SAR TEST REPORT

No.24T04Z102397-006

For

TCL Communication Ltd.

GSM/UMTS/LTE/NR Mobile phone

Model Name: T440W

with

Hardware Version: 04

Software Version: 7ASK

FCC ID: 2ACCJH185

Issued Date: 2024-12-08

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

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REPORT HISTORY

Report Number	Revision	Issue Date	Description
24T04Z102397-006	Rev.0	2024-12-08	Initial creation of test report

TABLE OF CONTENT

1 Test Laboratory

1.1. Introduction & Accreditation

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

1.2. Testing Location

Location 1: CTTL(huayuan North Road)

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

1.3. Testing Environment

Normal Temperature: 18-25℃

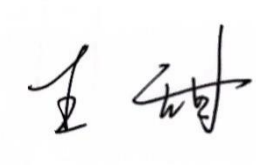
Relative Humidity: 30-70%

1.4. Project data

Testing Start Date: 2024-10-23

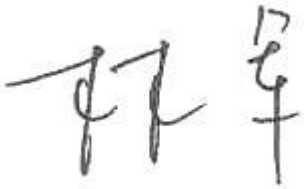
Testing End Date: 2024-12-06

1.5. Signature



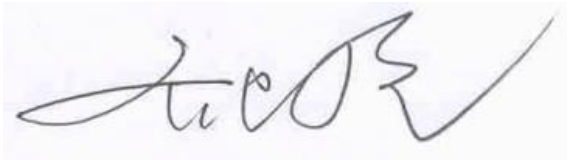
Wang Tian

(Prepared this test report)



Lin Jun

(Reviewed this test report)



Qi Dianyuan

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 TCL Communication Ltd. GSM/UMTS/LTE/NR Mobile phone T440W are as follows:

Table 2.1: Highest Reported SAR -Standalone(1g)

Mode		Antenna	Highest Reported SAR (1g)			Product Specific 10-g SAR 0mm
			1g SAR Head	1g SAR Body-worn 15mm	1g SAR Hotspot 10mm	
GSM	GSM 850	1	0.36	0.59	1.02	\
	PCS 1900	1	0.32	0.69	0.54	\
WCDMA	UMTS FDD 2	1	0.72	0.61	0.81	\
	UMTS FDD 4	1	0.32	0.66	0.90	\
	UMTS FDD 5	1	0.43	0.57	0.85	\
LTE	LTE Band5	1	0.51	0.60	0.91	\
	LTE Band12	1	0.64	0.30	0.43	\
	LTE Band25/2	1	0.66	0.50	0.72	\
	LTE Band26	1	0.46	0.53	0.79	\
	LTE Band41 PC2	1	0.12	0.65	0.89	\
	LTE Band41 PC3	1	0.07	0.47	0.88	\
	LTE Band66/4	1	0.29	0.55	1.03	1.70
	LTE Band71	1	0.35	0.30	0.40	\
NR	N25	1	0.94	0.48	0.66	\
	N41	1	0.15	0.88	1.09	2.58
	N66	1	0.40	0.65	0.89	\
	N71	1	0.44	0.25	0.35	\
WLAN 2.4G		2	0.79	0.21	0.28	\
WLAN 5G		2	0.25	0.77	1.10	\
BT		2	0.15	<0.01	0.23	\

Note: The device have similar frequency in some bands ： LTEB2/25, LTEB4/66 since the supported frequency spans for the smaller bands are completely cover by the larger bands and the channel bandwidth and other operating parameters for the smaller band be fully supported by the larger band, therefore, only larger bands were required to be tested for SAR

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 10 mm for hotspot and 15mm for body worn 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. A detailed description of the equipment under test can be found in chapter 4 of this test report. The highest reported SAR value is obtained at the case of (Table 2.1), and the values are:

Head: 0.94 W/kg(1g)

Body: 1.10 W/kg(1g)

Table 2.2: Highest Reported SAR -Simultaneous transmission

WWAN+WIFI	LTEB66 ANT1	WIFI5G ANT2	BT	LTE+WIFI5G+BT
Rear off 10mm	1.03	0.25	0.23	1.51

reported SAR 10g (W/kg)

WWAN+WIFI	N41 ANT1	WIFI2.4G ANT2	WWAN+WIFI2.4G
Bottom 0mm	2.58	0.02	2.60

Conclusion:

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

According to the above tables, the highest sum of reported SAR values is **1.51 W/kg (1g)**. The detail for simultaneous transmission consideration is described in chapter 15.

3 Client Information

3.1 Applicant Information

Company Name:	TCL Communication Ltd.
Address/Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact Person:	Ting Wang
Contact Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax	0086-755-36612000-81722

3.2 Manufacturer Information

Company Name:	TCL Communication Ltd.
Address/Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact Person:	Ting Wang
Contact Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax	0086-755-36612000-81722

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

4.1 About EUT

Description:	GSM/UMTS/LTE/NR Mobile phone	
Model name:	T440W	
Tested Band:	GSM850/1900, WCDMA B2/4/B5 LTE Band2/4/5/12/25/26/41/66/71 5G NR N25/41/66/71 BT, Wi-Fi(2.4G), Wi-Fi(5G)	
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)	
	824 – 849 MHz (LTE Band 5)	
	699 – 716 MHz (LTE Band 12)	
	1850 – 1915 MHz(LTE Band 25)	
	814 – 849 MHz (LTE Band 26)	
	2496 – 2690 MHz (LTE Band 41)	
	1710 – 1780 MHz (LTE Band 66)	
	663 – 698 MHz (LTE Band 71)	
	2412 – 2462 MHz (Wi-Fi 2.4G)	
	5180 – 5240 MHz	(Wi-Fi 5G)
	5260 – 5320 MHz	
	5500 – 5700 MHz	
	5745 – 5825 MHz	
	2400 – 2483.5 MHz (Bluetooth)	
	1850 – 1915 MHz(n25)	
	2496 – 2690 MHz (n41)	
	1710– 1780 MHz (n66)	
	663 – 698 MHz (n71)	
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	HW Version	SW Version
EUT1	016601000003738\016601000003746	04	7ASK
EUT2	016601000003316\016601000003324	04	7ASK
EUT3	016601000003753\016601000003761	04	7ASK
EUT4	016601000003654\ 016601000003662	04	7ASK
EUT5	016601000004074\016601000004082	04	7ASK
EUT6	016601000003910\016601000003928	04	7ASK
EUT7	016601000004496\016601000004504	04	7ASK

*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 EUT5~7.

4.3 Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer
AE1	Battery	TLp029M9	\	FENGHUA
AE2	Battery	TLp029M7	\	VEKEN

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

5 TEST METHODOLOGY

5.1 Applicable Limit Regulations

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

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

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

5.2 Applicable Measurement Standards

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

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

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

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

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

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

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

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

KDB865664 D02RF 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

The temperature of the tissue-equivalent medium used during measurement must also be within 18 ºC to 25 ºC and within ± 2 ºC of the temperature when the tissue parameters are characterized. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3 – 4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.

The dielectric constant (εr) and conductivity (σ) of typical tissue-equivalent media recipes are expected to be within ± 5% of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528-2013, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for εr and σ may be relaxed to ± 10%. This is limited to frequencies ≤ 3 GHz.

7.1 Targets for tissue simulating liquid

Table 7.1: Targets for tissue simulating liquid

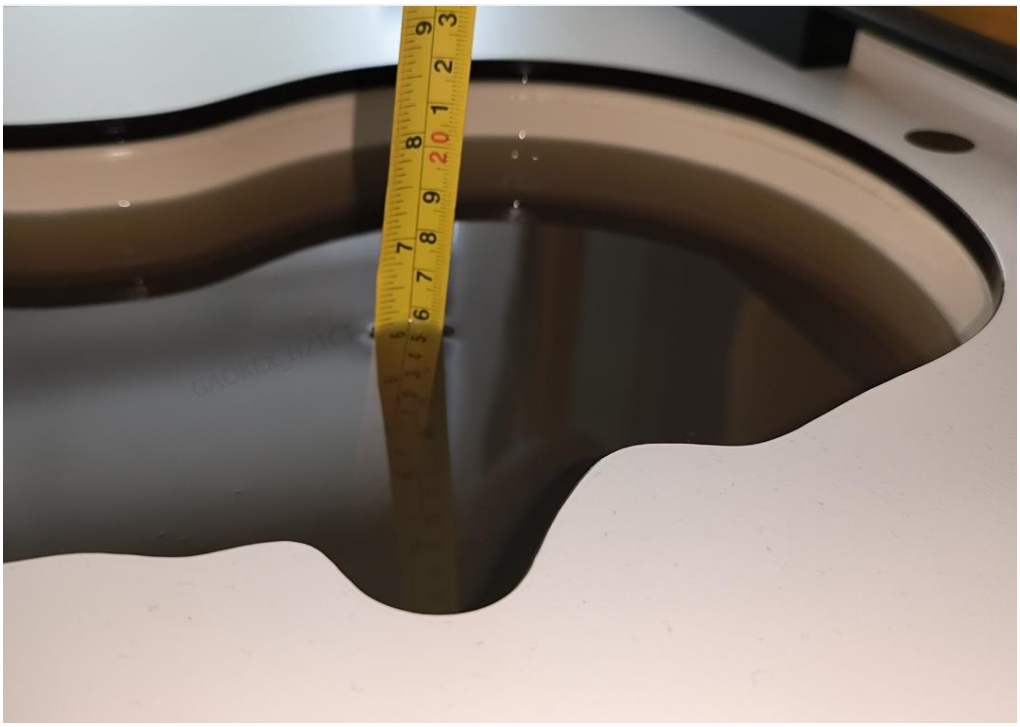
Frequency(MHz)	Liquid Type	Conductivity(σ)	±10% Range	Permittivity(ε)	± 10% Range
750	Head	0.89	0.80～0.98	41.94	37.75～46.13
835	Head	0.90	0.81～0.99	41.5	37.35～45.65
1750	Head	1.37	1.26～1.54	40.0	36～44
1900	Head	1.40	1.26～1.54	40.0	36～44
2450	Head	1.80	1.62～1.98	39.2	35.28～43.12
2600	Head	1.96	1.76～2.16	39.01	35.11～42.91
Frequency(MHz)	Liquid Type	Conductivity(σ)	±5% Range	Permittivity(ε)	± 5% Range
3500	Head	2.91	2.76～3.06	37.93	36.03～39.83
3700	Head	3.22	3.06～3.38	37.6	35.72～39.48
3900	Head	3.32	3.15～3.49	37.5	35.63～39.38
5250	Head	4.71	4.47～4.95	35.93	34.13～37.73
5600	Head	5.07	4.82～5.32	35.53	33.8～37.3
5750	Head	5.22	4.96～5.48	35.36	33.59～37.13

7.2 Dielectric Performance

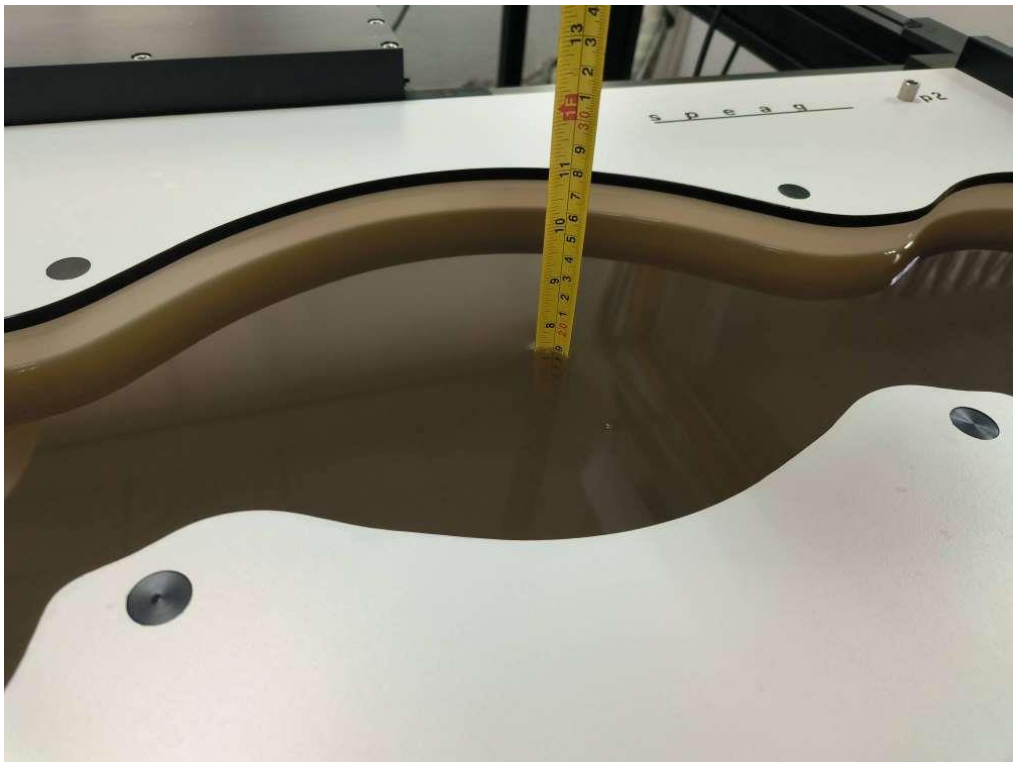
Table 7.2: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Type	Frequency	Permittivity ε	Drift (%)	Conductivity σ (S/m)	Drift (%)
2024/10/22	Head	750 MHz	44.15	5.27	0.8411	-5.49
2024/10/24	Head	835 MHz	43.81	5.57	0.8757	-2.70
2024/10/28	Head	1750 MHz	41.46	3.44	1.358	-0.88
2024/10/30	Head	1900 MHz	41.21	3.03	1.46	4.29
2024/12/2	Head	2450 MHz	40.18	2.50	1.851	2.83
2024/11/5	Head	2600 MHz	39.88	2.23	1.977	0.87
2024/12/2	Head	5250 MHz	34.82	-3.09	4.479	-4.90
2024/12/3	Head	5600 MHz	34.16	-3.86	4.857	-4.20
2024/12/3	Head	5750 MHz	33.93	-4.04	5.004	-4.14

Note: The liquid temperature is 22.0℃



Picture 7-1 Liquid depth in the Head Phantom

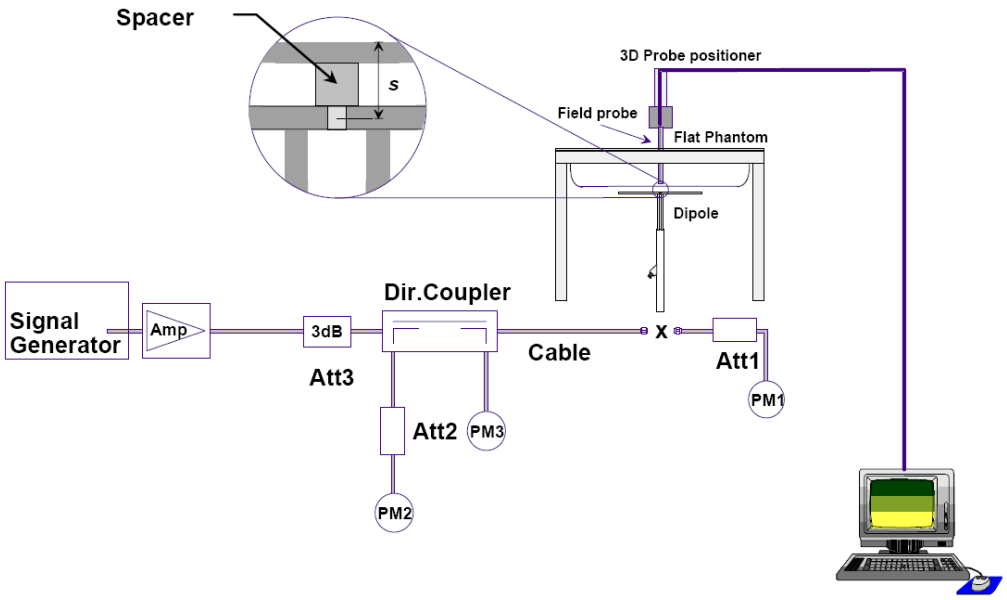


Picture 7-2 Liquid depth in the Head Phantom

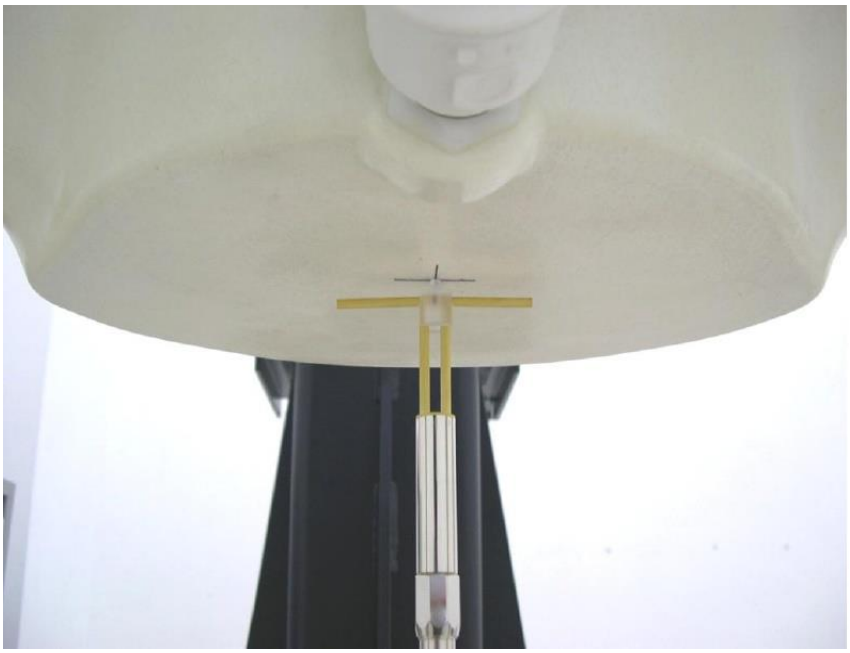
8 System verification

8.1 System Setup

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



Picture 8.1 System Setup for System Evaluation



Picture 8.2 Photo of Dipole Setup

8.2 System Verification

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

Table 8.1: System Verification of Head

Measurement Date (yyyy-mm-dd)	Frequency	Target value (W/kg)		Measured value(W/kg)		Deviation	
		10 g Average	1 g Average	10 g Average	1 g Average	10 g Average	1 g Average
2024/10/22	750 MHz	5.53	8.52	5.80	8.76	4.88%	2.82%
2024/10/24	835 MHz	6.09	9.47	6.40	9.92	5.09%	4.75%
2024/10/28	1750 MHz	19.8	37.2	19.4	36.8	-1.82%	-0.97%
2024/10/30	1900 MHz	20.6	39.1	20.2	38.9	-1.75%	-0.56%
2024/12/2	2450 MHz	24.5	52.2	25.0	54.4	2.04%	4.21%
2024/11/5	2600 MHz	24.8	54.9	25.2	56.0	1.61%	2.00%
2024/12/2	5250 MHz	22.4	78.3	23.2	81.0	3.57%	3.45%
2024/12/3	5600 MHz	23.2	81.7	23.8	82.7	2.59%	1.22%
2024/12/3	5750 MHz	22.8	79.9	23.5	80.8	3.07%	1.13%

9 General Measurement Procedure

9.1 *Power Reference Measurement*

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

9.2 *Area Scan*

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB0 is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.
Area scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	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.	

9.3 *Zoom Scan*

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10g of simulated tissue. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job’s label.

Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

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

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

9.4 *Power drift measurement*

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as 9.1.

10 Measurement Procedure for different technologies

10.1 GSM/GPRS Measurement Procedures for SAR

GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

10.2 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.7 Release 7 HSPA+ Data Devices

Table C.11.1.4: **β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM**

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	$\beta_{ed}1$: 30/15 $\beta_{ed}2$: 30/15	$\beta_{ed}3$: 24/15 $\beta_{ed}4$: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c .
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

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.

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table. Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

10.3 LTE Measurement Procedures for SAR

SAR tests for LTE are performed with a base station simulator, Rohde & Rchwarz CMW500 or . Anritsu MT8821C Closed loop power control was used so the UE transmits with maximum output power during SAR testing.

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 v02r05 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 v02r05. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211.

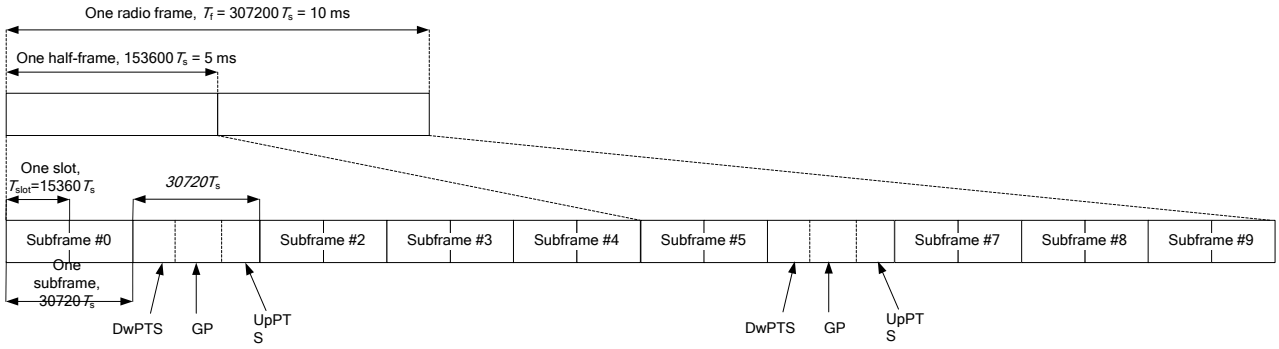


Figure 10.2: Frame structure type 2 (for 5 ms switch-point periodicity)

Table 10.1: 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 10.2: 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

According to the KDB 447498 D01, SAR should be evaluated at more than 3 frequencies for devices supporting transmit bands wider than 100MHz. Oct.2014 FCC-TCB conference notes (Dec. 2014 rev.) specifies the 5 test channels to use for 3GPP band 38/41 SAR evaluation.

10.4 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.

10.5 NR Measurement Procedures for SAR

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

11 Conducted Output Power

receiver on	Hotspot on +receiver off	Hotspot off +receiver off
DSI1	DSI2	DSI0

11.1 GSM Measurement result

GSM850 ANT1 DSI0/1/2

GSM850	Conducted Power (dBm)			tune up				
	Channel 251(848.8MHz)	Channel 190(836.6MHz)	Channel 128(824.2MHz)					
	33.02	32.92	33.04	33.30				
GSM 850	Burst Power (dBm)			tune up	calculation	Frame Power (dBm)		
GPRS (GMSK)	251	190	128		(dB)	251	190	128
1 Txslot	32.73	32.83	32.84	33.30	-9.03	23.70	23.80	23.81
2 Txslots	29.33	29.41	29.51	30.50	-6.02	23.31	23.39	23.49
3Txslots	**28.11**	**28.09**	**28.24**	28.50	-4.26	23.85	23.83	23.98
4 Txslots	26.45	26.61	26.50	27.50	-3.01	23.44	23.60	23.49
GSM 850	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (GMSK)	251	190	128		(dB)	251	190	128
1 Txslot	33.01	33.08	33.12	33.30	-9.03	23.98	24.05	24.09
2 Txslots	29.43	29.42	29.47	30.50	-6.02	23.41	23.40	23.45
3Txslots	28.09	28.13	28.15	28.50	-4.26	23.83	23.87	23.89
4 Txslots	26.53	26.52	26.51	27.50	-3.01	23.52	23.51	23.50
GSM 850	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (8PSK)	251	190	128		(dB)	251	190	128
1 Txslot	25.49	25.89	25.34	26.50	-9.03	16.46	16.86	16.31
2 Txslots	23.88	23.75	23.77	24.50	-6.02	17.86	17.73	17.75
3Txslots	22.16	22.09	21.91	23.00	-4.26	17.90	17.83	17.65
4 Txslots	20.25	20.30	20.16	21.00	-3.01	17.24	17.29	17.15

GSM1900 ANT1 DSI0

PCS1900	Conducted Power (dBm)			tune up				
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)					
	27.85	28.03	28.17	28.80				
PCS1900	Burst Power (dBm)			tune up	calculation	Frame Power (dBm)		
GPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	27.82	28.07	28.14	28.80	-9.03	18.79	19.04	19.11
2 Txslots	25.33	25.59	25.90	27.00	-6.02	19.31	19.57	19.88
3Txslots	**23.75**	**24.05**	**24.42**	25.00	-4.26	19.49	19.79	20.16
4 Txslots	22.45	22.73	22.98	23.00	-3.01	19.44	19.72	19.97
PCS1900	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	27.78	28.09	28.19	28.80	-9.03	18.75	19.06	19.16
2 Txslots	25.32	25.63	25.94	27.00	-6.02	19.30	19.61	19.92
3Txslots	23.77	24.08	24.40	25.00	-4.26	19.51	19.82	20.14
4 Txslots	22.36	22.66	22.96	23.00	-3.01	19.35	19.65	19.95
PCS1900	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (8PSK)	810	661	512		(dB)	810	661	512
1 Txslot	25.38	24.64	25.11	25.50	-9.03	16.35	15.61	16.08
2 Txslots	22.93	22.99	22.91	23.50	-6.02	16.91	16.97	16.89
3Txslots	21.48	21.75	21.97	22.50	-4.26	17.22	17.49	17.71
4 Txslots	19.81	20.12	20.20	21.00	-3.01	16.80	17.11	17.19

GSM1900 ANT1 DSI1

PCS1900	Conducted Power (dBm)			tune up				
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)					
	30.71	31.06	31.14	32.00				
PCS1900	Burst Power (dBm)			tune up	calculation	Frame Power (dBm)		
GPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	30.88	31.09	31.26	32.00	-9.03	21.85	22.06	22.23
2 Txslots	27.58	27.92	28.22	28.50	-6.02	21.56	21.90	22.20
3Txslots	26.79	26.54	26.86	27.50	-4.26	22.53	22.28	22.60
4 Txslots	**25.85**	**25.33**	**25.64**	26.00	-3.01	22.84	22.32	22.63
PCS1900	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	31.37	31.07	31.26	32.00	-9.03	22.34	22.04	22.23
2 Txslots	28.34	27.89	28.21	28.50	-6.02	22.32	21.87	22.19
3Txslots	26.89	26.51	26.84	27.50	-4.26	22.63	22.25	22.58
4 Txslots	25.89	25.30	25.62	26.00	-3.01	22.88	22.29	22.61
PCS1900	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (8PSK)	810	661	512		(dB)	810	661	512
1 Txslot	26.18	26.34	26.36	26.50	-9.03	17.15	17.31	17.33
2 Txslots	25.64	25.57	25.78	26.00	-6.02	19.62	19.55	19.76
3Txslots	24.60	24.73	24.77	25.00	-4.26	20.34	20.47	20.51
4 Txslots	22.87	22.98	22.85	23.00	-3.01	19.86	19.97	19.84

GSM1900 ANT1 DSI2

PCS1900	Conducted Power (dBm)			tune up
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)	
	25.82	25.75	25.99	27.30

PCS1900	Burst Power (dBm)			tune up	calculation (dB)	Frame Power (dBm)		
GPRS (GMSK)	810	661	512			810	661	512
1 Txslot	25.86	25.70	26.08	27.30	-9.03	16.83	16.67	17.05
2 Txslots	22.71	22.70	23.11	24.00	-6.02	16.69	16.68	17.09
3Txslots	21.60	21.58	21.56	23.50	-4.26	17.34	17.32	17.30
4 Txslots	20.90	21.10	21.42	22.00	-3.01	17.89	18.09	18.41
PCS1900	Burst Power (dBm)				calculation (dB)	Frame Power (dBm)		
EGPRS (GMSK)	810	661	512			810	661	512
1 Txslot	25.76	25.67	25.99	27.30	-9.03	16.73	16.64	16.96
2 Txslots	22.81	22.79	23.09	24.00	-6.02	16.79	16.77	17.07
3Txslots	21.56	21.58	21.60	23.50	-4.26	17.30	17.32	17.34
4 Txslots	20.91	21.20	21.51	22.00	-3.01	17.90	18.19	18.50
PCS1900	Burst Power (dBm)				calculation (dB)	Frame Power (dBm)		
EGPRS (8PSK)	810	661	512			810	661	512
1 Txslot	20.99	20.97	21.27	22.50	-9.03	11.96	11.94	12.24
2 Txslots	19.39	19.36	19.29	20.00	-6.02	13.37	13.34	13.27
3Txslots	18.11	18.26	18.43	19.00	-4.26	13.85	14.00	14.17
4 Txslots	16.38	16.46	16.64	17.00	-3.01	13.37	13.45	13.63

11.2 WCDMA Measurement result

WCDMA1900 ANT1 DSI0

WCDMA1900	FDDII result (dBm)			tune up
	9538/9938	9400/9800	9262/9662	
	(1907.6MHz)	(1880MHz)	(1852.4MHz)	
	21.44	21.39	21.45	21.50
HSUPA	20.74	20.79	20.70	21.00
	19.08	19.02	19.13	21.00
	19.94	19.86	19.89	21.50
	18.89	18.84	18.79	20.00
	20.87	20.92	20.95	21.00
HSPA+	20.31	20.34	20.30	22.00
DC-HSDPA	20.83	20.73	20.77	21.50
	19.98	19.96	19.94	21.50
	19.53	19.47	19.48	21.00
	19.49	19.51	19.46	21.00

WCDMA1900 ANT1 DSI1

WCDMA1900	FDDII result (dBm)			tune up
	9538/9938	9400/9800	9262/9662	
	(1907.6MHz)	(1880MHz)	(1852.4MHz)	
	24.28	24.21	24.37	24.50
HSUPA	22.96	22.89	22.83	23.00
	21.06	21.08	21.03	22.50
	22	22.08	22.07	23.50
	21.03	21.07	21.14	21.50
	23.14	23.04	23.13	23.50
HSPA+	22.07	22.13	22.13	23.50
DC-HSDPA	23.44	23.35	23.35	23.50
	23.39	23.33	23.47	23.50
	22.13	22.14	22.19	23.00
	22.12	22.02	22.07	23.00

WCDMA1900 ANT1 DSI2

WCDMA1900	FDDII result (dBm)			tune up
	9538/9938	9400/9800	9262/9662	
	(1907.6MHz)	(1880MHz)	(1852.4MHz)	
	20.86	20.81	20.93	21.00
HSUPA	19.43	19.39	19.48	19.50
	17.8	17.86	17.81	19.50
	18.72	18.77	18.80	20.50
	17.82	17.91	17.92	18.50
	19.9	19.85	19.78	20.00
HSPA+	19.55	19.59	19.53	20.50
DC-HSDPA	19.62	19.67	19.64	20.50
	18.92	19.03	18.96	20.50
	18.48	18.49	18.40	20.00
	18.47	18.39	18.37	20.00

WCDMA1700 ANT1 DSI0

WCDMA1700	FDDIV result (dBm)			tune up
	1513/1738	1412/1637	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	21.39	21.37	21.46	21.50
HSUPA	20.48	20.47	20.43	20.50
	18.76	18.72	18.66	20.50
	19.76	19.67	19.58	20.50
	18.77	18.72	18.65	19.50
	20.62	20.70	20.60	21.00
HSPA+	20.4	20.45	20.54	21.00
DC-HSDPA	20.16	20.26	20.23	20.50
	19.77	19.82	19.73	21.00
	19.29	19.33	19.27	20.50
	19.24	19.25	19.21	20.50

WCDMA1700 ANT1 DSI1

WCDMA1700	FDDIV result (dBm)			tune up
	1513/1738	1412/1637	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	24.18	24.03	24.22	24.50
HSUPA	23.01	22.92	22.89	23.50
	20.97	20.92	20.86	21.50
	21.8	21.90	21.85	22.50
	20.89	20.90	20.87	21.50
	22.79	22.86	22.78	22.50
HSPA+	22.05	22.05	22.07	23.50
DC-HSDPA	23.17	23.07	23.10	23.50
	23.07	22.97	22.98	23.50
	21.82	21.76	21.74	23.00
	21.81	21.90	21.73	22.00

WCDMA1700 ANT1 DSI2

WCDMA1700	FDDIV result (dBm)			tune up
	1513/1738	1412/1637	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	20.46	20.38	20.41	20.50
HSUPA	19.47	19.39	19.44	19.50
	17.75	17.65	17.74	19.00
	18.56	18.66	18.63	19.00
	17.65	17.71	17.69	19.00
	19.67	19.72	19.66	20.00
HSPA+	19.33	19.23	19.33	20.50
DC-HSDPA	19.49	19.52	19.48	20.00
	18.78	18.66	18.74	20.00
	18.21	18.26	18.16	20.00
	18.18	18.24	18.20	20.00

WCDMA850 ANT1 DSI0/1/2

WCDMA850	FDDV result (dBm)			tune up
	4233/4458	4183/4408	4132/4357	
	(846.6MHz)	(836.6MHz)	(826.4MHz)	
	23.52	23.36	23.47	24.50
HSUPA	22.4	22.44	22.37	23.00
	20.31	20.41	20.33	21.50
	21.36	21.35	21.36	22.50
	20.35	20.44	20.43	21.00
	22.34	22.44	22.42	23.00
HSPA+	21.56	21.64	21.55	22.50
DC-HSDPA	22.83	22.77	22.92	23.00
	22.56	22.54	22.48	23.00
	21.45	21.49	21.36	21.50
	21.33	21.37	21.31	21.50

11.3 LTE Measurement result

The maximum output power(Tune-up Limit)

TX ANT	Mode/Band	DSI0	DSI1	DSI2
ANT1	FDD Band 5	24+/-1	24+/-1	24+/-1
ANT1	FDD Band 12	24+/-1	24+/-1	24+/-1
ANT1	FDD Band 2/25	21+/-1	24+/-1	20+/-1
ANT1	FDD Band 26	24+/-1	24+/-1	24+/-1
ANT1	TDD Band 41(PC2)	22.5+/-1	25.5+/-1	22+/-1
ANT1	TDD Band 41(PC3)	20.5+/-1	23+/-1	19.5+/-1
ANT1	FDD Band 4/66	21+/-1	24+/-1	20+/-1
ANT1	FDD Band 71	23+/-1	23+/-1	23+/-1

LTE B5 ANT1 DSI0/1/2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (20643)	24.31	23.77	22.78	19.54
		836.5 (20525)	24.26	23.86	22.58	19.57
		824.7 (20407)	24.35	23.62	22.64	19.67
	1RB-Middle (3)	848.3 (20643)	24.19	23.86	22.54	19.50
		836.5 (20525)	24.44	23.80	22.42	19.46
		824.7 (20407)	24.46	23.62	22.50	19.54
	1RB-Low (0)	848.3 (20643)	24.49	23.75	22.58	19.50
		836.5 (20525)	24.31	23.92	22.54	19.51
		824.7 (20407)	24.32	23.73	22.39	19.61
	3RB-High (3)	848.3 (20643)	24.38	23.19	22.32	19.53
		836.5 (20525)	24.26	23.28	22.17	19.65
		824.7 (20407)	24.30	23.07	22.03	19.44
	3RB-Middle (1)	848.3 (20643)	24.27	23.29	22.30	19.47
		836.5 (20525)	24.42	23.17	22.40	19.57
		824.7 (20407)	24.11	23.23	22.24	19.58
	3RB-Low (0)	848.3 (20643)	24.33	23.39	22.12	19.56
		836.5 (20525)	24.30	23.41	22.20	19.53
		824.7 (20407)	24.26	23.05	22.02	19.63
	6RB (0)	848.3 (20643)	23.83	22.59	21.53	19.70
		836.5 (20525)	23.63	22.70	21.54	19.68
		824.7 (20407)	23.56	22.69	21.45	19.54
3MHz	1RB-High (14)	847.5 (20635)	24.23	23.66	22.76	19.58

		836.5 (20525)	24.47	23.45	22.76	19.57
		825.5 (20415)	24.42	23.50	22.56	19.44
	1RB-Middle (7)	847.5 (20635)	24.24	23.89	22.67	19.50
		836.5 (20525)	24.40	23.92	22.53	19.47
		825.5 (20415)	24.26	23.56	22.46	19.45
	1RB-Low (0)	847.5 (20635)	24.37	23.95	22.60	19.56
		836.5 (20525)	24.50	23.84	22.52	19.72
		825.5 (20415)	24.38	23.47	22.41	19.67
	8RB-High (7)	847.5 (20635)	23.51	22.65	21.65	19.52
		836.5 (20525)	23.63	22.65	21.52	19.66
		825.5 (20415)	23.61	22.49	21.49	19.45
	8RB-Middle (4)	847.5 (20635)	23.58	22.76	21.55	19.56
		836.5 (20525)	23.66	22.51	21.53	19.55
		825.5 (20415)	23.44	22.40	21.44	19.72
	8RB-Low (0)	847.5 (20635)	23.63	22.68	21.52	19.54
		836.5 (20525)	23.59	22.62	21.50	19.64
		825.5 (20415)	23.43	22.36	21.39	19.47
	15RB (0)	847.5 (20635)	23.73	22.66	21.65	19.57
		836.5 (20525)	23.47	22.45	21.55	19.63
		825.5 (20415)	23.58	22.54	21.49	19.71
5MHz	1RB-High (24)	846.5 (20625)	24.30	23.83	22.75	19.69
		836.5 (20525)	24.31	24.00	22.64	19.52
		826.5 (20425)	24.37	23.65	22.59	19.52
	1RB-Middle (12)	846.5 (20625)	24.24	23.87	22.57	19.44
		836.5 (20525)	24.47	23.77	22.50	19.71
		826.5 (20425)	24.37	23.72	22.54	19.68
	1RB-Low (0)	846.5 (20625)	24.52	23.79	22.55	19.52
		836.5 (20525)	24.34	23.85	22.59	19.48
		826.5 (20425)	24.37	23.66	22.36	19.46
	12RB-High (13)	846.5 (20625)	23.65	22.55	21.62	19.51
		836.5 (20525)	23.50	22.57	21.57	19.63
		826.5 (20425)	23.51	22.47	21.40	19.53
	12RB-Middle (6)	846.5 (20625)	23.60	22.63	21.60	19.46
		836.5 (20525)	23.70	22.51	21.65	19.67
		826.5 (20425)	23.43	22.53	21.45	19.64
	12RB-Low (0)	846.5 (20625)	23.53	22.64	21.40	19.62

		836.5 (20525)	23.51	22.65	21.56	19.55
		826.5 (20425)	23.56	22.40	21.28	19.49
	25RB (0)	846.5 (20625)	23.81	22.67	21.61	19.52
		836.5 (20525)	23.58	22.63	21.55	19.47
		826.5 (20425)	23.64	22.60	21.44	19.69
10MHz	1RB-High (49)	844 (20600)	24.28	23.91	22.78	19.47
		836.5 (20525)	24.38	23.95	22.68	19.48
		829 (20450)	24.38	23.55	22.59	19.46
	1RB-Middle (24)	844 (20600)	24.22	23.80	22.63	19.59
		836.5 (20525)	24.47	23.84	22.54	19.69
		829 (20450)	24.27	23.66	22.49	19.68
	1RB-Low (0)	844 (20600)	24.42	23.88	22.58	19.67
		836.5 (20525)	24.42	23.84	22.60	19.55
		829 (20450)	24.31	23.57	22.40	19.44
	25RB-High (25)	844 (20600)	23.59	22.62	21.57	19.57
		836.5 (20525)	23.58	22.55	21.56	19.53
		829 (20450)	23.56	22.52	21.42	19.47
	25RB-Middle (12)	844 (20600)	23.58	22.71	21.62	19.66
		836.5 (20525)	23.71	22.53	21.59	19.51
		829 (20450)	23.53	22.48	21.43	19.63
	25RB-Low (0)	844 (20600)	23.63	22.58	21.49	19.71
		836.5 (20525)	23.60	22.55	21.48	19.57
		829 (20450)	23.48	22.37	21.34	19.70
	50RB (0)	844 (20600)	23.57	22.64	21.71	19.68
		836.5 (20525)	23.76	22.53	21.58	19.71
		829 (20450)	23.56	22.52	21.51	19.65

LTE B12 ANT1 DSI0/1/2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	715.3 (23173)	24.28	23.74	22.12	19.50
		707.5 (23095)	24.25	23.85	22.44	19.59
		699.7 (23017)	24.29	23.73	22.46	19.72
	1RB-Middle (3)	715.3 (23173)	24.33	23.70	22.57	19.53
		707.5 (23095)	24.60	23.95	22.66	19.50
		699.7 (23017)	24.23	23.64	22.55	19.49

	1RB-Low (0)	715.3 (23173)	24.16	23.60	22.71	19.68
		707.5 (23095)	24.38	23.74	22.54	19.58
		699.7 (23017)	24.42	23.84	22.36	19.57
	3RB-High (3)	715.3 (23173)	24.22	22.97	22.36	19.42
		707.5 (23095)	24.19	23.08	22.25	19.72
		699.7 (23017)	24.27	23.04	22.24	19.38
	3RB-Middle (1)	715.3 (23173)	24.13	23.21	21.99	19.60
		707.5 (23095)	24.42	23.36	22.14	19.58
		699.7 (23017)	24.35	23.35	22.08	19.60
	3RB-Low (0)	715.3 (23173)	24.00	23.07	22.05	19.62
		707.5 (23095)	24.26	23.00	22.31	19.42
		699.7 (23017)	24.09	23.01	22.12	19.38
	6RB (0)	715.3 (23173)	23.39	22.62	21.44	19.51
		707.5 (23095)	23.61	22.49	21.59	19.57
		699.7 (23017)	23.68	22.41	21.49	19.40
3MHz	1RB-High (14)	714.5 (23165)	24.19	23.72	22.18	19.52
		707.5 (23095)	24.21	23.95	22.43	19.43
		700.5 (23025)	24.32	23.80	22.31	19.67
	1RB-Middle (7)	714.5 (23165)	24.38	23.57	22.44	19.50
		707.5 (23095)	24.50	23.87	22.54	19.50
		700.5 (23025)	24.22	23.75	22.67	19.55
	1RB-Low (0)	714.5 (23165)	24.34	23.62	22.64	19.70
		707.5 (23095)	24.32	23.83	22.57	19.33
		700.5 (23025)	24.50	23.92	22.46	19.56
	8RB-High (7)	714.5 (23165)	23.33	22.36	21.54	19.61
		707.5 (23095)	23.49	22.38	21.39	19.72
		700.5 (23025)	23.57	22.27	21.46	19.57
	8RB-Middle (4)	714.5 (23165)	23.49	22.46	21.36	19.49
		707.5 (23095)	23.58	22.56	21.59	19.37
		700.5 (23025)	23.51	22.48	21.54	19.58
	8RB-Low (0)	714.5 (23165)	23.50	22.50	21.40	19.37
		707.5 (23095)	23.42	22.49	21.42	19.61
		700.5 (23025)	23.52	22.46	21.32	19.62
	15RB (0)	714.5 (23165)	23.51	22.52	21.48	19.50
		707.5 (23095)	23.48	22.49	21.45	19.47
		700.5 (23025)	23.59	22.52	21.51	19.46

5MHz	1RB-High (24)	713.5 (23155)	24.28	23.71	22.11	19.72
		707.5 (23095)	24.21	23.83	22.46	19.39
		701.5 (23035)	24.19	23.77	22.45	19.38
	1RB-Middle (12)	713.5 (23155)	24.43	23.72	22.60	19.37
		707.5 (23095)	24.50	23.91	22.68	19.49
		701.5 (23035)	24.30	23.70	22.63	19.49
	1RB-Low (0)	713.5 (23155)	24.23	23.70	22.80	19.47
		707.5 (23095)	24.29	23.77	22.54	19.57
		701.5 (23035)	24.36	23.81	22.32	19.47
	12RB-High (13)	713.5 (23155)	23.51	22.27	21.62	19.62
		707.5 (23095)	23.46	22.43	21.46	19.57
		701.5 (23035)	23.57	22.33	21.45	19.54
	12RB-Middle (6)	713.5 (23155)	23.44	22.50	21.24	19.46
		707.5 (23095)	23.62	22.60	21.48	19.41
		701.5 (23035)	23.62	22.55	21.45	19.37
	12RB-Low (0)	713.5 (23155)	23.30	22.41	21.41	19.33
		707.5 (23095)	23.48	22.38	21.55	19.50
		701.5 (23035)	23.49	22.41	21.37	19.71
	25RB (0)	713.5 (23155)	23.49	22.62	21.51	19.39
		707.5 (23095)	23.56	22.59	21.57	19.38
		701.5 (23035)	23.58	22.43	21.46	19.44
10MHz	1RB-High (49)	711 (23130)	24.25	23.79	22.15	19.38
		707.5 (23095)	24.25	23.85	22.40	19.46
		704 (23060)	24.22	23.76	22.41	19.63
	1RB-Middle (24)	711 (23130)	24.44	23.65	22.52	19.55
		707.5 (23095)	24.48	23.92	22.61	19.42
		704 (23060)	24.26	23.72	22.66	19.53
	1RB-Low (0)	711 (23130)	24.31	23.68	22.70	19.42
		707.5 (23095)	24.26	23.80	22.53	19.34
		704 (23060)	24.41	23.89	22.41	19.48
	25RB-High (25)	711 (23130)	23.42	22.37	21.53	19.50
		707.5 (23095)	23.43	22.40	21.47	19.63
		704 (23060)	23.49	22.35	21.39	19.43
	25RB-Middle (12)	711 (23130)	23.43	22.50	21.33	19.49
		707.5 (23095)	23.56	22.51	21.51	19.66

		704 (23060)	23.53	22.49	21.50	19.61
	25RB-Low (0)	711 (23130)	23.40	22.42	21.41	19.60
		707.5 (23095)	23.38	22.43	21.48	19.51
		704 (23060)	23.44	22.39	21.39	19.36
	50RB (0)	711 (23130)	23.51	22.52	21.45	19.61
		707.5 (23095)	23.52	22.49	21.50	19.40
		704 (23060)	23.56	22.43	21.44	19.54

LTE B25 ANT1 DSI0

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	20.67	21.42	21.07	19.03
		1882.5 (26365)	20.93	21.33	21.05	19.19
		1850.7 (26047)	20.80	21.13	21.01	19.11
	1RB-Middle (3)	1914.3 (26683)	20.98	21.28	21.24	19.20
		1882.5 (26365)	20.95	21.18	21.24	18.92
		1850.7 (26047)	20.78	20.86	21.67	18.97
	1RB-Low (0)	1914.3 (26683)	21.03	21.41	21.24	19.01
		1882.5 (26365)	20.84	21.43	21.12	18.99
		1850.7 (26047)	20.87	21.41	20.91	18.93
	3RB-High (3)	1914.3 (26683)	20.86	21.16	21.23	18.94
		1882.5 (26365)	20.98	21.17	21.01	18.95
		1850.7 (26047)	20.72	20.96	21.02	19.10
	3RB-Middle (1)	1914.3 (26683)	21.12	21.11	21.03	19.08
		1882.5 (26365)	20.94	21.04	21.19	19.21
		1850.7 (26047)	21.06	20.94	20.87	19.01
	3RB-Low (0)	1914.3 (26683)	20.90	21.10	20.92	19.07
		1882.5 (26365)	20.97	21.11	20.96	19.10
		1850.7 (26047)	20.79	21.07	20.79	19.17
	6RB (0)	1914.3 (26683)	21.08	21.11	21.26	19.03
		1882.5 (26365)	21.14	20.96	20.79	19.16
		1850.7 (26047)	20.87	20.93	20.91	18.91
3MHz	1RB-High (14)	1913.5 (26675)	20.82	21.30	21.27	18.94
		1882.5 (26365)	20.90	21.18	21.03	19.20
		1851.5 (26055)	20.78	21.29	20.82	19.10
	1RB-Middle (7)	1913.5 (26675)	20.92	21.15	21.26	18.99

		1882.5 (26365)	20.98	21.25	21.09	19.01
		1851.5 (26055)	20.92	21.02	21.59	18.98
	1RB-Low (0)	1913.5 (26675)	20.78	21.31	21.17	19.06
		1882.5 (26365)	20.90	21.25	21.08	18.92
		1851.5 (26055)	20.82	21.23	21.00	19.16
	8RB-High (7)	1913.5 (26675)	20.90	21.22	21.17	19.10
		1882.5 (26365)	21.08	21.03	20.92	19.17
		1851.5 (26055)	20.87	21.02	20.91	18.94
	8RB-Middle (4)	1913.5 (26675)	21.10	21.08	21.13	18.97
		1882.5 (26365)	21.15	21.11	21.04	19.08
		1851.5 (26055)	20.91	21.07	21.04	19.17
	8RB-Low (0)	1913.5 (26675)	20.88	21.05	20.91	18.92
		1882.5 (26365)	20.92	20.94	20.83	19.04
		1851.5 (26055)	20.92	20.96	20.97	19.17
	15RB (0)	1913.5 (26675)	21.13	21.14	21.16	19.04
		1882.5 (26365)	20.94	20.88	20.95	19.00
		1851.5 (26055)	20.98	20.86	20.98	19.03
5MHz	1RB-High (24)	1912.5 (26665)	20.80	21.56	21.07	18.98
		1882.5 (26365)	20.92	21.18	21.04	19.19
		1852.5 (26065)	20.80	21.25	21.01	19.19
	1RB-Middle (12)	1912.5 (26665)	20.82	21.38	21.21	18.90
		1882.5 (26365)	20.85	21.27	21.14	19.16
		1852.5 (26065)	20.90	20.89	21.61	19.16
	1RB-Low (0)	1912.5 (26665)	20.91	21.45	21.21	19.07
		1882.5 (26365)	20.85	21.28	21.16	19.08
		1852.5 (26065)	20.84	21.39	20.98	19.19
	12RB-High (13)	1912.5 (26665)	20.95	21.15	21.14	19.11
		1882.5 (26365)	20.92	21.06	21.02	19.07
		1852.5 (26065)	20.80	21.06	20.94	18.94
	12RB-Middle (6)	1912.5 (26665)	21.04	21.19	21.11	19.11
		1882.5 (26365)	20.90	20.98	21.04	18.89
		1852.5 (26065)	20.98	20.98	20.88	18.91
	12RB-Low (0)	1912.5 (26665)	20.90	21.07	20.95	18.91
		1882.5 (26365)	21.06	21.09	20.88	19.10
		1852.5 (26065)	20.92	21.04	20.91	19.14
	25RB (0)	1912.5 (26665)	21.12	21.13	21.19	18.97

		1882.5 (26365)	20.98	20.91	20.88	19.11
		1852.5 (26065)	20.78	20.95	20.89	19.17
10MHz	1RB-High (49)	1910 (26640)	20.80	21.40	21.19	19.20
		1882.5 (26365)	20.81	21.12	21.06	19.19
		1855 (26090)	20.87	21.32	20.89	19.02
	1RB-Middle (24)	1910 (26640)	21.05	21.32	21.22	19.06
		1882.5 (26365)	20.95	21.24	21.05	19.02
		1855 (26090)	20.93	21.08	21.68	19.21
	1RB-Low (0)	1910 (26640)	20.90	21.25	21.22	19.18
		1882.5 (26365)	20.83	21.33	21.04	19.19
		1855 (26090)	20.84	21.24	21.00	19.15
	25RB-High (25)	1910 (26640)	20.99	21.29	21.11	18.95
		1882.5 (26365)	21.11	20.97	20.97	18.91
		1855 (26090)	20.74	21.03	21.01	18.94
	25RB-Middle (12)	1910 (26640)	21.10	21.07	21.09	19.00
		1882.5 (26365)	21.00	20.93	20.96	18.92
		1855 (26090)	20.97	20.97	21.05	18.97
	25RB-Low (0)	1910 (26640)	20.78	21.11	20.84	19.15
		1882.5 (26365)	20.82	21.08	20.98	19.20
		1855 (26090)	20.86	21.14	20.92	19.11
	50RB (0)	1910 (26640)	21.03	21.20	21.12	19.16
		1882.5 (26365)	20.94	21.00	20.95	19.17
		1855 (26090)	20.80	21.02	21.00	19.08
15MHz	1RB-High (74)	1907.5 (26615)	20.77	21.47	21.12	19.07
		1882.5 (26365)	20.85	21.23	21.02	18.91
		1857.5 (26115)	20.81	21.23	20.93	19.03
	1RB-Middle (37)	1907.5 (26615)	20.90	21.28	21.29	19.08
		1882.5 (26365)	20.89	21.26	21.14	18.91
		1857.5 (26115)	20.81	20.96	21.69	19.06
	1RB-Low (0)	1907.5 (26615)	20.95	21.35	21.25	19.03
		1882.5 (26365)	20.87	21.35	21.13	18.99
		1857.5 (26115)	20.88	21.31	20.95	19.10
	36RB-High (38)	1907.5 (26615)	20.91	21.13	21.14	18.92
		1882.5 (26365)	20.97	21.12	20.95	19.12
		1857.5 (26115)	20.82	20.99	20.96	18.92

	36RB-Middle (19)	1907.5 (26615)	21.06	21.15	21.05	18.93
		1882.5 (26365)	20.99	21.08	21.10	19.14
		1857.5 (26115)	21.00	20.95	20.92	19.03
	36RB-Low (0)	1907.5 (26615)	20.91	21.12	20.85	19.06
		1882.5 (26365)	20.96	21.10	20.87	19.05
		1857.5 (26115)	20.88	21.01	20.86	18.94
	75RB (0)	1907.5 (26615)	21.11	21.18	21.20	19.15
		1882.5 (26365)	21.07	20.96	20.85	19.03
		1857.5 (26115)	20.87	20.91	20.95	18.94
20MHz	1RB-High (99)	1905 (26590)	20.83	21.37	21.18	19.07
		1882.5 (26365)	20.81	21.21	21.03	18.94
		1860 (26140)	20.87	21.28	20.87	19.08
	1RB-Middle (50)	1905 (26590)	20.97	21.22	21.28	19.18
		1882.5 (26365)	20.98	21.24	21.04	19.07
		1860 (26140)	20.89	21.02	21.61	19.01
	1RB-Low (0)	1905 (26590)	20.86	21.30	21.21	18.97
		1882.5 (26365)	20.84	21.25	21.08	18.99
		1860 (26140)	20.84	21.24	20.94	19.16
	50RB-High (50)	1905 (26590)	20.94	21.20	21.20	19.19
		1882.5 (26365)	21.03	21.07	20.97	19.17
		1860 (26140)	20.84	21.01	20.92	18.92
	50RB-Middle (25)	1905 (26590)	21.04	21.13	21.10	19.16
		1882.5 (26365)	21.06	21.02	21.00	19.21
		1860 (26140)	20.96	21.04	21.02	18.92
	50RB-Low (0)	1905 (26590)	20.87	21.15	20.94	19.19
		1882.5 (26365)	20.87	21.03	20.93	18.97
		1860 (26140)	20.87	21.04	20.92	19.21
	100RB (0)	1905 (26590)	21.10	21.11	21.17	19.08
		1882.5 (26365)	20.98	20.95	20.95	18.98
		1860 (26140)	20.90	20.92	21.03	19.04

LTE B25 ANT1 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	23.96	23.49	22.19	19.21
		1882.5 (26365)	24.04	23.50	22.24	19.15

		1850.7 (26047)	23.90	23.39	22.22	19.11
	1RB-Middle (3)	1914.3 (26683)	24.09	23.35	22.45	19.31
		1882.5 (26365)	24.03	23.50	22.24	19.34
		1850.7 (26047)	23.95	23.40	22.08	19.33
	1RB-Low (0)	1914.3 (26683)	24.04	23.43	22.41	19.18
		1882.5 (26365)	24.13	23.50	22.39	19.44
		1850.7 (26047)	24.00	23.44	22.09	19.38
	3RB-High (3)	1914.3 (26683)	24.13	23.27	22.28	19.33
		1882.5 (26365)	24.10	23.26	22.21	19.35
		1850.7 (26047)	24.02	23.26	22.08	19.42
	3RB-Middle (1)	1914.3 (26683)	24.13	23.33	22.17	19.19
		1882.5 (26365)	24.07	23.38	22.26	19.35
		1850.7 (26047)	24.11	23.15	22.13	19.37
	3RB-Low (0)	1914.3 (26683)	24.10	23.31	22.16	19.24
		1882.5 (26365)	24.13	23.25	22.20	19.29
		1850.7 (26047)	24.09	23.29	22.15	19.42
	6RB (0)	1914.3 (26683)	23.14	22.15	21.17	19.29
		1882.5 (26365)	23.15	22.19	21.15	19.32
		1850.7 (26047)	23.09	22.04	21.12	19.31
3MHz	1RB-High (14)	1913.5 (26675)	24.04	23.42	22.19	19.28
		1882.5 (26365)	24.09	23.37	22.22	19.24
		1851.5 (26055)	23.97	23.42	22.22	19.27
	1RB-Middle (7)	1913.5 (26675)	24.06	23.49	22.27	19.12
		1882.5 (26365)	24.05	23.50	22.21	19.23
		1851.5 (26055)	24.13	23.33	22.16	19.44
	1RB-Low (0)	1913.5 (26675)	24.06	23.49	22.27	19.38
		1882.5 (26365)	24.06	23.36	22.07	19.29
		1851.5 (26055)	24.04	23.45	22.22	19.27
	8RB-High (7)	1913.5 (26675)	23.13	22.28	21.19	19.35
		1882.5 (26365)	23.15	22.28	21.17	19.42
		1851.5 (26055)	23.02	22.25	21.09	19.33
	8RB-Middle (4)	1913.5 (26675)	23.09	22.22	21.13	19.43
		1882.5 (26365)	23.17	22.16	21.21	19.38
		1851.5 (26055)	23.07	22.14	21.07	19.17
	8RB-Low (0)	1913.5 (26675)	23.18	22.17	21.06	19.21
		1882.5 (26365)	23.15	22.17	21.16	19.25

		1851.5 (26055)	23.07	22.19	21.14	19.12
	15RB (0)	1913.5 (26675)	23.12	22.12	21.12	19.31
		1882.5 (26365)	23.15	22.23	21.13	19.24
		1851.5 (26055)	23.07	22.14	21.15	19.28
5MHz	1RB-High (24)	1912.5 (26665)	24.09	23.47	22.18	19.44
		1882.5 (26365)	24.12	23.49	22.23	19.12
		1852.5 (26065)	23.95	23.23	22.01	19.19
	1RB-Middle (12)	1912.5 (26665)	24.16	23.41	22.21	19.33
		1882.5 (26365)	24.18	23.43	22.31	19.23
		1852.5 (26065)	24.10	23.33	22.36	19.36
	1RB-Low (0)	1912.5 (26665)	24.05	23.38	22.09	19.31
		1882.5 (26365)	24.12	23.32	22.33	19.25
		1852.5 (26065)	24.08	23.49	22.22	19.17
	12RB-High (13)	1912.5 (26665)	23.19	22.24	21.23	19.33
		1882.5 (26365)	23.12	22.21	21.16	19.43
		1852.5 (26065)	23.13	22.18	21.05	19.20
	12RB-Middle (6)	1912.5 (26665)	23.18	22.23	21.21	19.43
		1882.5 (26365)	23.03	22.23	21.19	19.29
		1852.5 (26065)	23.17	22.12	21.12	19.19
	12RB-Low (0)	1912.5 (26665)	23.06	22.20	21.18	19.16
		1882.5 (26365)	23.09	22.09	21.05	19.41
		1852.5 (26065)	23.12	22.15	21.15	19.44
	25RB (0)	1912.5 (26665)	23.23	22.23	21.21	19.22
		1882.5 (26365)	23.17	22.20	21.15	19.39
		1852.5 (26065)	23.20	22.22	21.12	19.33
10MHz	1RB-High (49)	1910 (26640)	24.06	23.56	22.22	19.42
		1882.5 (26365)	24.16	23.53	22.26	19.32
		1855 (26090)	23.97	23.49	22.18	19.17
	1RB-Middle (24)	1910 (26640)	24.13	23.57	22.25	19.17
		1882.5 (26365)	24.19	23.52	22.26	19.29
		1855 (26090)	24.02	23.55	22.16	19.16
	1RB-Low (0)	1910 (26640)	24.21	23.68	22.20	19.15
		1882.5 (26365)	24.11	23.47	22.14	19.41
		1855 (26090)	24.08	23.34	22.20	19.39
	25RB-High (25)	1910 (26640)	23.19	22.29	21.25	19.37

		1882.5 (26365)	23.19	22.27	21.24	19.30
		1855 (26090)	23.10	22.16	21.09	19.22
	25RB-Middle (12)	1910 (26640)	23.23	22.25	21.12	19.36
		1882.5 (26365)	23.14	22.15	21.17	19.13
		1855 (26090)	23.19	22.20	21.16	19.25
	25RB-Low (0)	1910 (26640)	23.14	22.16	21.24	19.20
		1882.5 (26365)	23.12	22.23	21.07	19.30
		1855 (26090)	23.07	22.11	21.14	19.15
	50RB (0)	1910 (26640)	23.26	22.18	21.19	19.36
		1882.5 (26365)	23.23	22.26	21.22	19.40
		1855 (26090)	23.18	22.24	21.18	19.31
15MHz	1RB-High (74)	1907.5 (26615)	23.92	23.06	21.97	19.19
		1882.5 (26365)	23.99	23.21	22.15	19.43
		1857.5 (26115)	23.78	22.82	22.08	19.30
	1RB-Middle (37)	1907.5 (26615)	24.03	23.10	22.13	19.42
		1882.5 (26365)	23.88	23.34	22.30	19.41
		1857.5 (26115)	23.83	23.03	22.30	19.23
	1RB-Low (0)	1907.5 (26615)	23.94	23.22	22.02	19.34
		1882.5 (26365)	23.88	23.09	22.26	19.33
		1857.5 (26115)	23.91	23.18	21.98	19.27
	36RB-High (38)	1907.5 (26615)	23.03	22.13	21.08	19.44
		1882.5 (26365)	23.03	22.08	21.07	19.39
		1857.5 (26115)	22.97	21.96	20.97	19.33
	36RB-Middle (19)	1907.5 (26615)	23.02	21.97	21.01	19.15
		1882.5 (26365)	22.93	21.90	20.98	19.37
		1857.5 (26115)	22.88	21.97	20.88	19.40
	36RB-Low (0)	1907.5 (26615)	22.95	22.05	20.97	19.31
		1882.5 (26365)	22.96	22.01	21.04	19.32
		1857.5 (26115)	22.85	21.96	20.87	19.42
	75RB (0)	1907.5 (26615)	23.03	22.04	20.97	19.12
		1882.5 (26365)	23.03	22.04	21.05	19.41
		1857.5 (26115)	22.95	22.02	20.97	19.31
20MHz	1RB-High (99)	1905 (26590)	23.85	22.82	21.14	19.11
		1882.5 (26365)	23.90	23.09	21.28	19.37
		1860 (26140)	23.87	22.98	21.27	19.19

	1RB-Middle (50)	1905 (26590)	24.04	23.19	21.15	19.35
		1882.5 (26365)	24.15	23.19	21.11	19.27
		1860 (26140)	23.83	23.13	21.21	19.26
	1RB-Low (0)	1905 (26590)	23.95	22.96	21.14	19.32
		1882.5 (26365)	23.78	22.95	21.05	19.35
		1860 (26140)	24.00	23.01	21.03	19.13
	50RB-High (50)	1905 (26590)	23.09	21.94	20.00	19.20
		1882.5 (26365)	23.05	21.98	20.01	19.31
		1860 (26140)	22.94	21.97	20.11	19.37
	50RB-Middle (25)	1905 (26590)	23.05	22.11	20.07	19.21
		1882.5 (26365)	23.12	22.03	20.06	19.11
		1860 (26140)	23.01	22.02	20.01	19.17
	50RB-Low (0)	1905 (26590)	22.92	21.97	20.03	19.18
		1882.5 (26365)	22.93	21.94	20.09	19.12
		1860 (26140)	22.89	21.88	20.12	19.30
	100RB (0)	1905 (26590)	23.01	22.05	20.05	19.33
		1882.5 (26365)	23.08	22.07	20.05	19.34
		1860 (26140)	23.02	22.04	20.08	19.32

LTE B25 ANT1 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	20.12	20.46	20.03	18.94
		1882.5 (26365)	20.00	20.21	20.53	19.10
		1850.7 (26047)	20.15	20.23	20.14	19.05
	1RB-Middle (3)	1914.3 (26683)	19.99	20.55	20.07	18.97
		1882.5 (26365)	20.20	20.68	20.27	19.12
		1850.7 (26047)	19.90	20.46	20.75	19.21
	1RB-Low (0)	1914.3 (26683)	20.30	20.32	19.93	19.20
		1882.5 (26365)	19.89	20.30	19.85	19.02
		1850.7 (26047)	19.83	20.36	20.10	19.18
	3RB-High (3)	1914.3 (26683)	20.29	20.14	20.03	18.90
		1882.5 (26365)	20.19	19.93	19.92	19.18
		1850.7 (26047)	20.07	19.75	20.03	19.10
	3RB-Middle (1)	1914.3 (26683)	20.32	20.38	20.44	19.07
		1882.5 (26365)	20.08	20.19	19.95	19.16
		1850.7 (26047)	20.10	20.01	20.05	18.92
	3RB-Low (0)	1914.3 (26683)	19.89	20.10	20.24	19.02
		1882.5 (26365)	20.16	19.99	20.06	19.05

		1850.7 (26047)	19.85	20.10	20.14	19.04
	6RB (0)	1914.3 (26683)	20.47	20.40	20.10	18.97
		1882.5 (26365)	20.18	20.17	20.00	19.13
		1850.7 (26047)	20.17	20.04	20.00	19.06
3MHz	1RB-High (14)	1913.5 (26675)	20.26	20.39	20.11	19.00
		1882.5 (26365)	20.13	19.96	20.33	18.98
		1851.5 (26055)	19.98	20.37	20.05	19.17
	1RB-Middle (7)	1913.5 (26675)	20.16	20.38	20.01	18.95
		1882.5 (26365)	20.15	20.62	20.18	18.90
		1851.5 (26055)	20.07	20.42	20.72	19.15
	1RB-Low (0)	1913.5 (26675)	20.02	20.34	20.08	19.01
		1882.5 (26365)	19.99	20.40	20.04	19.07
		1851.5 (26055)	20.04	20.34	19.95	19.17
	8RB-High (7)	1913.5 (26675)	20.27	20.21	20.30	19.18
		1882.5 (26365)	19.99	19.93	20.03	18.99
		1851.5 (26055)	19.92	19.93	20.11	19.15
	8RB-Middle (4)	1913.5 (26675)	20.22	20.29	20.33	18.99
		1882.5 (26365)	20.09	20.10	20.06	18.92
		1851.5 (26055)	20.02	19.98	20.04	19.04
	8RB-Low (0)	1913.5 (26675)	20.06	19.95	20.23	18.94
		1882.5 (26365)	20.07	20.12	20.15	19.14
		1851.5 (26055)	19.86	19.97	19.97	19.13
	15RB (0)	1913.5 (26675)	20.48	20.13	20.15	18.96
		1882.5 (26365)	19.84	20.06	20.04	18.97
		1851.5 (26055)	20.13	20.03	20.08	18.98
5MHz	1RB-High (24)	1912.5 (26665)	20.08	20.40	20.13	19.15
		1882.5 (26365)	20.07	20.11	20.45	19.13
		1852.5 (26065)	20.07	20.31	20.07	19.00
	1RB-Middle (12)	1912.5 (26665)	20.09	20.46	20.12	19.09
		1882.5 (26365)	20.11	20.61	20.19	19.06
		1852.5 (26065)	19.88	20.39	20.79	19.08
	1RB-Low (0)	1912.5 (26665)	20.20	20.29	19.98	19.08
		1882.5 (26365)	19.92	20.35	19.85	19.21
		1852.5 (26065)	19.79	20.35	20.06	19.10
	12RB-High (13)	1912.5 (26665)	20.19	20.23	20.13	19.10
		1882.5 (26365)	20.15	19.88	19.95	19.12
		1852.5 (26065)	20.01	19.85	20.04	18.91
	12RB-Middle (6)	1912.5 (26665)	20.23	20.31	20.42	19.18

		1882.5 (26365)	20.09	20.23	20.01	19.08
		1852.5 (26065)	20.07	19.99	19.96	19.16
	12RB-Low (0)	1912.5 (26665)	19.98	20.02	20.23	18.91
		1882.5 (26365)	20.09	20.00	20.10	18.99
		1852.5 (26065)	19.94	20.06	20.06	19.19
	25RB (0)	1912.5 (26665)	20.44	20.30	20.06	19.21
		1882.5 (26365)	20.09	20.08	19.94	18.91
		1852.5 (26065)	20.11	20.02	19.95	19.18
10MHz	1RB-High (49)	1910 (26640)	20.22	20.41	20.10	19.09
		1882.5 (26365)	20.03	20.05	20.26	19.10
		1855 (26090)	20.01	20.28	20.11	19.17
	1RB-Middle (24)	1910 (26640)	20.12	20.36	20.06	19.16
		1882.5 (26365)	20.10	20.52	20.27	19.16
		1855 (26090)	20.04	20.37	20.66	19.02
	1RB-Low (0)	1910 (26640)	20.07	20.35	20.05	19.17
		1882.5 (26365)	19.96	20.36	20.01	18.93
		1855 (26090)	20.03	20.31	19.99	18.93
	25RB-High (25)	1910 (26640)	20.29	20.16	20.23	19.17
		1882.5 (26365)	20.07	19.93	19.98	19.20
		1855 (26090)	20.01	19.99	20.13	19.01
	25RB-Middle (12)	1910 (26640)	20.17	20.27	20.24	19.03
		1882.5 (26365)	20.16	20.19	20.13	19.13
		1855 (26090)	20.01	20.08	20.00	19.09
	25RB-Low (0)	1910 (26640)	19.99	19.95	20.24	19.10
		1882.5 (26365)	19.98	20.16	20.24	19.15
		1855 (26090)	19.92	20.03	19.95	19.18
	50RB (0)	1910 (26640)	20.40	20.17	20.14	18.91
		1882.5 (26365)	19.94	20.09	20.09	19.15
		1855 (26090)	20.19	20.12	20.02	19.16
15MHz	1RB-High (74)	1907.5 (26615)	20.07	20.30	20.13	19.17
		1882.5 (26365)	20.13	20.12	20.37	19.00
		1857.5 (26115)	20.00	20.25	20.01	18.94
	1RB-Middle (37)	1907.5 (26615)	20.13	20.36	20.02	18.92
		1882.5 (26365)	20.14	20.58	20.21	19.06
		1857.5 (26115)	19.96	20.49	20.75	19.01
	1RB-Low (0)	1907.5 (26615)	20.12	20.30	19.96	19.09
		1882.5 (26365)	19.93	20.39	19.95	19.02
		1857.5 (26115)	19.88	20.25	20.07	19.15

	36RB-High (38)	1907.5 (26615)	20.09	20.29	20.14	18.96
		1882.5 (26365)	20.07	19.95	20.03	19.10
		1857.5 (26115)	19.94	19.86	20.11	19.05
	36RB-Middle (19)	1907.5 (26615)	20.21	20.25	20.33	19.06
		1882.5 (26365)	20.16	20.23	20.05	18.92
		1857.5 (26115)	20.14	20.09	19.99	19.06
	36RB-Low (0)	1907.5 (26615)	20.00	19.95	20.27	19.04
		1882.5 (26365)	20.08	20.02	20.09	19.11
		1857.5 (26115)	19.86	20.13	20.00	19.06
	75RB (0)	1907.5 (26615)	20.37	20.20	20.10	18.98
		1882.5 (26365)	20.08	20.13	19.99	18.92
		1857.5 (26115)	20.05	19.96	19.96	19.00
20MHz	1RB-High (99)	1905 (26590)	20.12	20.35	20.17	18.92
		1882.5 (26365)	20.03	20.13	20.28	18.90
		1860 (26140)	20.01	20.31	20.04	19.11
	1RB-Middle (50)	1905 (26590)	20.18	20.36	20.04	18.94
		1882.5 (26365)	20.19	20.56	20.26	19.06
		1860 (26140)	20.04	20.40	20.75	19.03
	1RB-Low (0)	1905 (26590)	20.14	20.29	20.06	19.20
		1882.5 (26365)	19.98	20.38	20.05	18.98
		1860 (26140)	19.95	20.21	20.05	18.99
	50RB-High (50)	1905 (26590)	20.19	20.20	20.20	19.17
		1882.5 (26365)	19.98	20.01	20.02	19.11
		1860 (26140)	19.95	19.93	20.12	19.05
	50RB-Middle (25)	1905 (26590)	20.22	20.21	20.28	19.08
		1882.5 (26365)	20.23	20.14	20.13	19.17
		1860 (26140)	20.08	20.13	20.03	18.94
	50RB-Low (0)	1905 (26590)	20.07	20.05	20.21	19.00
		1882.5 (26365)	20.06	20.07	20.15	19.09
		1860 (26140)	19.92	20.04	19.91	19.09
	100RB (0)	1905 (26590)	20.31	20.21	20.19	19.13
		1882.5 (26365)	19.99	20.08	20.01	19.20
		1860 (26140)	20.09	20.04	20.02	18.96

LTE B26 ANT1 DSI0/1/2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	24.05	23.30	22.41	19.45
		831.5 (26865)	24.22	23.58	22.47	19.41

		814.7 (26697)	23.99	23.59	22.40	19.37
	1RB-Middle (3)	848.3 (27033)	24.20	23.40	22.66	19.48
		831.5 (26865)	24.43	23.83	22.45	19.59
		814.7 (26697)	24.53	23.93	22.43	19.47
	1RB-Low (0)	848.3 (27033)	24.36	23.72	22.43	19.40
		831.5 (26865)	24.44	23.75	22.41	19.44
		814.7 (26697)	24.10	23.56	22.75	19.53
	3RB-High (3)	848.3 (27033)	24.11	23.36	21.95	19.56
		831.5 (26865)	24.17	23.02	22.09	19.60
		814.7 (26697)	24.39	22.99	21.93	19.37
	3RB-Middle (1)	848.3 (27033)	24.20	23.26	22.45	19.45
		831.5 (26865)	24.28	23.27	22.29	19.56
		814.7 (26697)	24.30	23.05	22.03	19.60
	3RB-Low (0)	848.3 (27033)	24.29	23.34	22.20	19.49
		831.5 (26865)	24.00	23.19	22.02	19.43
		814.7 (26697)	24.05	23.22	22.12	19.37
	6RB (0)	848.3 (27033)	23.54	22.56	21.19	19.55
		831.5 (26865)	23.25	22.39	21.27	19.48
		814.7 (26697)	23.26	22.43	21.48	19.53
3MHz	1RB-High (14)	847.5 (27025)	23.78	23.00	22.44	19.58
		831.5 (26865)	24.07	23.66	22.35	19.60
		815.5 (26705)	24.02	23.73	22.31	19.52
	1RB-Middle (7)	847.5 (27025)	24.27	23.29	22.67	19.37
		831.5 (26865)	24.58	23.60	22.32	19.61
		815.5 (26705)	24.41	23.70	22.58	19.39
	1RB-Low (0)	847.5 (27025)	24.45	23.81	22.38	19.39
		831.5 (26865)	24.42	23.67	22.34	19.47
		815.5 (26705)	24.14	23.41	22.62	19.38
	8RB-High (7)	847.5 (27025)	23.22	22.52	21.18	19.47
		831.5 (26865)	23.19	22.16	21.25	19.49
		815.5 (26705)	23.36	22.18	20.85	19.52
	8RB-Middle (4)	847.5 (27025)	23.38	22.19	21.48	19.42
		831.5 (26865)	23.37	22.56	21.46	19.57
		815.5 (26705)	23.27	22.34	21.40	19.40
	8RB-Low (0)	847.5 (27025)	23.32	22.17	21.21	19.52
		831.5 (26865)	23.22	22.49	21.46	19.53
		815.5 (26705)	23.24	22.15	21.08	19.51
	15RB (0)	847.5 (27025)	23.53	22.57	21.31	19.54
		831.5 (26865)	23.43	22.36	21.26	19.48

		815.5 (26705)	23.55	22.49	21.49	19.41
5MHz	1RB-High (24)	846.5 (27015)	23.93	23.11	22.52	19.47
		831.5 (26865)	24.39	23.64	22.28	19.52
		816.5 (26715)	24.12	23.74	22.45	19.56
	1RB-Middle (12)	846.5 (27015)	24.23	23.34	22.63	19.37
		831.5 (26865)	24.46	23.85	22.37	19.39
		816.5 (26715)	24.40	23.88	22.60	19.56
	1RB-Low (0)	846.5 (27015)	24.49	23.81	22.45	19.59
		831.5 (26865)	24.49	23.73	22.34	19.57
		816.5 (26715)	24.12	23.53	22.73	19.43
	12RB-High (13)	846.5 (27015)	23.35	22.46	21.07	19.42
		831.5 (26865)	23.21	22.17	21.28	19.38
		816.5 (26715)	23.43	22.22	20.97	19.43
	12RB-Middle (6)	846.5 (27015)	23.39	22.24	21.35	19.44
		831.5 (26865)	23.41	22.35	21.47	19.57
		816.5 (26715)	23.33	22.23	21.28	19.45
	12RB-Low (0)	846.5 (27015)	23.31	22.33	21.27	19.51
		831.5 (26865)	23.26	22.22	21.16	19.46
		816.5 (26715)	23.29	22.41	21.02	19.40
	25RB (0)	846.5 (27015)	23.48	22.41	21.26	19.46
		831.5 (26865)	23.35	22.29	21.17	19.47
		816.5 (26715)	23.19	22.52	21.46	19.58
10MHz	1RB-High (49)	844 (26990)	24.02	23.20	22.49	19.55
		831.5 (26865)	24.32	23.59	22.38	19.38
		820 (26750)	24.09	23.65	22.42	19.37
	1RB-Middle (24)	844 (26990)	24.31	23.27	22.66	19.61
		831.5 (26865)	24.39	23.80	22.40	19.41
		820 (26750)	24.41	23.79	22.57	19.58
	1RB-Low (0)	844 (26990)	24.41	23.73	22.40	19.48
		831.5 (26865)	24.41	23.68	22.36	19.57
		820 (26750)	24.15	23.45	22.80	19.36
	25RB-High (25)	844 (26990)	23.30	22.39	21.14	19.59
		831.5 (26865)	23.29	22.19	21.27	19.54
		820 (26750)	23.37	22.23	20.96	19.60
	25RB-Middle (12)	844 (26990)	23.30	22.22	21.45	19.38
		831.5 (26865)	23.42	22.39	21.44	19.58
		820 (26750)	23.40	22.20	21.24	19.43
	25RB-Low (0)	844 (26990)	23.33	22.29	21.29	19.60

		831.5 (26865)	23.24	22.29	21.24	19.57
		820 (26750)	23.20	22.35	21.09	19.39
	50RB (0)	844 (26990)	23.43	22.50	21.33	19.55
		831.5 (26865)	23.36	22.38	21.24	19.54
		820 (26750)	23.29	22.44	21.40	19.60
15MHz	1RB-High (74)	841.5 (26965)	23.93	23.13	22.43	19.41
		831.5 (26865)	24.22	23.58	22.32	19.53
		822.5 (26775)	24.02	23.68	22.34	19.42
	1RB-Middle (37)	841.5 (26965)	24.35	23.34	22.66	19.46
		831.5 (26865)	24.49	23.71	22.46	19.52
		822.5 (26775)	24.39	23.75	22.63	19.51
	1RB-Low (0)	841.5 (26965)	24.37	23.69	22.38	19.39
		831.5 (26865)	24.33	23.71	22.36	19.40
		822.5 (26775)	24.07	23.48	22.77	19.43
	36RB-High (38)	841.5 (26965)	23.25	22.46	21.16	19.60
		831.5 (26865)	23.20	22.09	21.24	19.48
		822.5 (26775)	23.31	22.28	20.95	19.53
	36RB-Middle (19)	841.5 (26965)	23.35	22.20	21.43	19.41
		831.5 (26865)	23.39	22.47	21.42	19.44
		822.5 (26775)	23.38	22.27	21.22	19.45
	36RB-Low (0)	841.5 (26965)	23.36	22.30	21.28	19.48
		831.5 (26865)	23.14	22.36	21.28	19.55
		822.5 (26775)	23.24	22.31	21.18	19.39
	75RB (0)	841.5 (26965)	23.39	22.48	21.34	19.43
		831.5 (26865)	23.44	22.35	21.31	19.53
		822.5 (26775)	23.38	22.35	21.48	19.48

LTE B41(PC2) ANT1 DSI0

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	22.91	23.31	23.33	21.73
		2640.3(41093)	22.80	23.37	23.08	21.56
		2593 (40620)	23.09	23.39	23.11	21.65
		2545.8(40148)	22.92	23.14	23.05	21.70
		2498.5 (39675)	22.89	23.31	22.90	21.51
	1RB-Middle (12)	2687.5 (41565)	22.85	23.39	23.08	21.61
		2640.3(41093)	22.99	23.21	23.05	21.57
		2593 (40620)	23.04	23.39	23.26	21.68
		2545.8(40148)	22.83	23.16	22.92	21.48

		2498.5 (39675)	23.08	23.34	23.21	21.48
	1RB-Low (0)	2687.5 (41565)	22.90	23.39	23.08	21.73
		2640.3(41093)	23.12	23.47	23.40	21.48
		2593 (40620)	22.98	23.33	23.29	21.59
		2545.8(40148)	22.87	23.19	22.93	21.50
		2498.5 (39675)	23.03	23.31	23.23	21.73
	12RB-High (13)	2687.5 (41565)	23.28	22.99	23.15	21.44
		2640.3(41093)	23.05	23.18	23.04	21.51
		2593 (40620)	23.01	23.21	23.17	21.51
		2545.8(40148)	22.89	22.93	23.14	21.64
		2498.5 (39675)	23.07	23.06	23.16	21.48
	12RB-Middle (6)	2687.5 (41565)	23.26	23.24	23.18	21.73
		2640.3(41093)	22.89	23.21	23.04	21.73
		2593 (40620)	23.01	23.12	23.25	21.56
		2545.8(40148)	22.76	22.97	22.93	21.54
		2498.5 (39675)	23.19	23.19	23.15	21.65
	12RB-Low (0)	2687.5 (41565)	23.15	23.04	23.00	21.54
		2640.3(41093)	22.92	23.21	23.13	21.44
		2593 (40620)	23.07	23.32	23.24	21.64
		2545.8(40148)	22.96	22.95	22.75	21.67
		2498.5 (39675)	23.02	23.19	23.05	21.51
	25RB (0)	2687.5 (41565)	23.31	23.35	23.24	21.71
		2640.3(41093)	22.91	23.20	23.07	21.46
		2593 (40620)	23.06	23.22	23.35	21.59
		2545.8(40148)	22.94	22.84	22.92	21.54
		2498.5 (39675)	22.92	23.03	22.99	21.64
10MHz	1RB-High (49)	2685 (41540)	22.96	23.39	23.42	21.56
		2639(41080)	22.74	23.34	23.04	21.69
		2593 (40620)	22.94	23.39	23.23	21.54
		2547(40160)	22.75	23.19	23.06	21.52
		2501 (39700)	22.87	23.35	22.95	21.48
	1RB-Middle (24)	2685 (41540)	22.93	23.45	23.21	21.61
		2639(41080)	22.98	23.24	23.14	21.51
		2593 (40620)	23.04	23.47	23.29	21.67
		2547(40160)	22.80	23.35	22.99	21.55
		2501 (39700)	22.94	23.35	23.18	21.57
	1RB-Low (0)	2685 (41540)	23.05	23.38	23.11	21.68
		2639(41080)	23.09	23.43	23.19	21.53
		2593 (40620)	23.05	23.43	23.34	21.58

		2547(40160)	22.73	23.26	22.80	21.57
		2501 (39700)	23.02	23.34	23.14	21.60
	25RB-High (25)	2685 (41540)	23.13	23.11	23.30	21.57
		2639(41080)	23.09	23.03	23.00	21.59
		2593 (40620)	23.07	23.24	23.26	21.58
		2547(40160)	23.02	22.96	22.99	21.70
		2501 (39700)	23.05	23.04	23.07	21.54
	25RB-Middle (12)	2685 (41540)	23.18	23.28	23.27	21.51
		2639(41080)	23.02	23.14	23.09	21.68
		2593 (40620)	23.28	23.25	23.29	21.62
		2547(40160)	22.97	23.11	23.03	21.44
		2501 (39700)	23.18	23.22	23.21	21.48
	25RB-Low (0)	2685 (41540)	23.05	23.13	23.17	21.62
		2639(41080)	22.99	23.02	23.13	21.73
		2593 (40620)	23.17	23.18	23.22	21.59
		2547(40160)	22.91	22.87	22.90	21.71
		2501 (39700)	23.02	23.08	23.05	21.59
	50RB (0)	2685 (41540)	23.24	23.22	23.20	21.57
		2639(41080)	23.06	23.09	23.22	21.50
		2593 (40620)	23.08	23.21	23.21	21.53
		2547(40160)	22.98	22.97	22.99	21.60
		2501 (39700)	23.11	23.20	23.03	21.63
15MHz	1RB-High (74)	2682.5 (41515)	22.99	23.32	23.31	21.65
		2637.8(41068)	22.81	23.31	23.17	21.48
		2593 (40620)	23.10	23.33	23.17	21.58
		2548.3(40173)	22.84	23.17	23.10	21.73
		2503.5 (39725)	22.87	23.43	22.98	21.65
	1RB-Middle (37)	2682.5 (41515)	22.94	23.31	23.12	21.53
		2637.8(41068)	22.98	23.21	23.04	21.56
		2593 (40620)	23.12	23.46	23.30	21.51
		2548.3(40173)	22.84	23.18	22.88	21.50
		2503.5 (39725)	23.02	23.38	23.22	21.62
	1RB-Low (0)	2682.5 (41515)	22.96	23.39	23.08	21.53
		2637.8(41068)	23.11	23.42	23.31	21.69
		2593 (40620)	23.04	23.44	23.38	21.63
		2548.3(40173)	22.90	23.27	22.97	21.58
		2503.5 (39725)	22.99	23.42	23.16	21.45
	36RB-High (38)	2682.5 (41515)	23.20	23.07	23.15	21.49
		2637.8(41068)	23.15	23.10	22.99	21.55

		2593 (40620)	23.07	23.26	23.26	21.62
		2548.3(40173)	22.92	22.99	23.06	21.53
		2503.5 (39725)	23.02	23.10	23.07	21.68
	36RB-Middle (19)	2682.5 (41515)	23.23	23.30	23.20	21.49
		2637.8(41068)	22.98	23.17	23.03	21.73
		2593 (40620)	23.11	23.16	23.30	21.49
		2548.3(40173)	22.86	22.95	22.92	21.47
		2503.5 (39725)	23.10	23.11	23.13	21.63
	36RB-Low (0)	2682.5 (41515)	23.08	23.11	23.10	21.70
		2637.8(41068)	22.98	23.19	23.15	21.45
		2593 (40620)	23.16	23.23	23.20	21.61
		2548.3(40173)	22.87	22.94	22.82	21.49
		2503.5 (39725)	23.09	23.18	23.08	21.59
	75RB (0)	2682.5 (41515)	23.21	23.27	23.24	21.72
		2637.8(41068)	22.98	23.15	23.04	21.48
		2593 (40620)	23.07	23.16	23.29	21.61
		2548.3(40173)	23.04	22.89	22.91	21.68
		2503.5 (39725)	22.99	23.06	23.06	21.57
20MHz	1RB-High (99)	2680 (41490)	22.93	23.33	23.35	21.45
		2636.5(41055)	22.84	23.32	23.09	21.45
		2593 (40620)	23.00	23.38	23.17	21.46
		2549.5(40185)	22.79	23.09	23.02	21.64
		2506 (39750)	22.92	23.34	23.05	21.49
	1RB-Middle (50)	2680 (41490)	23.03	23.47	23.13	21.55
		2636.5(41055)	22.98	23.22	23.13	21.71
		2593 (40620)	23.11	23.37	23.29	21.73
		2549.5(40185)	22.81	23.26	22.89	21.70
		2506 (39750)	23.02	23.29	23.20	21.45
	1RB-Low (0)	2680 (41490)	23.02	23.36	23.16	21.52
		2636.5(41055)	23.06	23.46	23.21	21.65
		2593 (40620)	23.07	23.44	23.31	21.66
		2549.5(40185)	22.82	23.20	22.88	21.69
		2506 (39750)	23.02	23.44	23.21	21.67
	50RB-High (50)	2680 (41490)	23.15	23.17	23.21	21.57
		2636.5(41055)	23.06	23.08	22.97	21.61
		2593 (40620)	23.12	23.22	23.16	21.45
		2549.5(40185)	22.97	22.99	22.97	21.54
		2506 (39750)	23.07	23.04	23.08	21.58
	50RB-Middle (25)	2680 (41490)	23.20	23.24	23.19	21.71

		2636.5(41055)	23.07	23.13	23.09	21.47
		2593 (40620)	23.21	23.25	23.28	21.66
		2549.5(40185)	22.95	23.02	23.00	21.62
		2506 (39750)	23.12	23.18	23.13	21.56
	50RB-Low (0)	2680 (41490)	23.12	23.11	23.16	21.68
		2636.5(41055)	23.02	23.10	23.05	21.65
		2593 (40620)	23.11	23.21	23.15	21.55
		2549.5(40185)	22.84	22.97	22.89	21.73
		2506 (39750)	23.04	23.09	23.04	21.56
	100RB (0)	2680 (41490)	23.21	23.19	23.19	21.62
		2636.5(41055)	23.08	23.07	23.12	21.46
		2593 (40620)	23.15	23.21	23.21	21.70
		2549.5(40185)	22.96	22.96	22.98	21.65
		2506 (39750)	23.09	23.12	23.11	21.67

LTE B41(PC2) ANT1 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	26.02	25.36	24.42	21.61
		2640.3(41093)	25.85	25.22	24.16	21.59
		2593 (40620)	25.96	25.28	24.28	21.54
		2545.8(40148)	25.76	25.13	24.05	21.58
		2498.5 (39675)	25.90	25.32	24.27	21.53
	1RB-Middle (12)	2687.5 (41565)	26.15	25.36	24.24	21.58
		2640.3(41093)	25.96	25.21	24.14	21.58
		2593 (40620)	26.11	25.34	24.33	21.56
		2545.8(40148)	25.84	25.17	24.26	21.46
		2498.5 (39675)	26.01	25.31	24.31	21.44
	1RB-Low (0)	2687.5 (41565)	25.99	25.39	24.25	21.55
		2640.3(41093)	25.85	25.21	24.14	21.57
		2593 (40620)	25.95	25.34	24.28	21.51
		2545.8(40148)	25.78	25.05	23.88	21.62
		2498.5 (39675)	26.00	25.12	24.20	21.56
	12RB-High (13)	2687.5 (41565)	25.46	24.35	23.45	21.48
		2640.3(41093)	25.21	24.24	23.29	21.62
		2593 (40620)	25.39	24.38	23.36	21.48
		2545.8(40148)	25.16	24.08	23.18	21.54
		2498.5 (39675)	25.31	24.29	23.36	21.46
	12RB-Middle (6)	2687.5 (41565)	25.44	24.35	23.43	21.45
		2640.3(41093)	25.27	24.23	23.27	21.60

		2593 (40620)	25.42	24.34	23.42	21.55
		2545.8(40148)	25.14	24.18	23.18	21.60
		2498.5 (39675)	25.39	24.26	23.39	21.49
	12RB-Low (0)	2687.5 (41565)	25.35	24.28	23.38	21.61
		2640.3(41093)	25.17	24.17	23.22	21.62
		2593 (40620)	25.38	24.32	23.35	21.57
		2545.8(40148)	25.15	24.15	23.17	21.58
		2498.5 (39675)	25.32	24.33	23.27	21.57
	25RB (0)	2687.5 (41565)	25.43	24.43	23.41	21.61
		2640.3(41093)	25.25	24.26	23.24	21.51
		2593 (40620)	25.45	24.41	23.41	21.48
		2545.8(40148)	25.20	24.17	23.19	21.60
		2498.5 (39675)	25.38	24.30	23.37	21.56
10MHz	1RB-High (49)	2685 (41540)	26.03	25.31	24.33	21.44
		2639(41080)	25.82	25.22	24.08	21.51
		2593 (40620)	26.01	25.50	24.33	21.53
		2547(40160)	25.80	25.11	23.93	21.61
		2501 (39700)	25.91	25.25	24.19	21.61
	1RB-Middle (24)	2685 (41540)	26.10	25.39	24.45	21.44
		2639(41080)	25.93	25.45	24.28	21.60
		2593 (40620)	26.07	25.48	24.46	21.47
		2547(40160)	25.78	25.07	24.02	21.54
		2501 (39700)	25.92	25.33	24.30	21.57
	1RB-Low (0)	2685 (41540)	25.99	25.41	24.22	21.46
		2639(41080)	25.85	25.45	24.09	21.49
		2593 (40620)	26.13	25.48	24.26	21.44
		2547(40160)	25.77	25.13	24.04	21.59
		2501 (39700)	26.02	25.50	24.24	21.46
	25RB-High (25)	2685 (41540)	25.47	24.49	23.43	21.60
		2639(41080)	25.24	24.27	23.21	21.57
		2593 (40620)	25.44	24.41	23.42	21.52
		2547(40160)	25.16	24.20	23.20	21.61
		2501 (39700)	25.34	24.33	23.33	21.45
	25RB-Middle (12)	2685 (41540)	25.49	24.22	23.44	21.47
		2639(41080)	25.23	24.26	23.28	21.45
		2593 (40620)	25.41	24.42	23.38	21.46
		2547(40160)	25.22	24.24	23.20	21.53
		2501 (39700)	25.42	24.37	23.40	21.46
	25RB-Low (0)	2685 (41540)	25.39	24.42	23.38	21.62

		2639(41080)	25.28	24.26	23.23	21.51
		2593 (40620)	25.39	24.41	23.39	21.45
		2547(40160)	25.21	24.22	23.18	21.63
		2501 (39700)	25.37	24.35	23.35	21.44
	50RB (0)	2685 (41540)	25.31	24.33	23.47	21.47
		2639(41080)	25.30	24.28	23.23	21.55
		2593 (40620)	25.41	24.47	23.38	21.48
		2547(40160)	25.25	24.25	23.22	21.62
		2501 (39700)	25.44	24.40	23.44	21.57
15MHz	1RB-High (74)	2682.5 (41515)	25.87	25.11	24.41	21.50
		2637.8(41068)	25.64	24.97	23.91	21.57
		2593 (40620)	25.78	25.01	24.32	21.47
		2548.3(40173)	25.51	25.08	23.89	21.48
		2503.5 (39725)	25.84	25.25	24.08	21.56
	1RB-Middle (37)	2682.5 (41515)	25.78	25.43	23.97	21.53
		2637.8(41068)	25.76	25.40	24.15	21.62
		2593 (40620)	25.89	25.30	24.20	21.62
		2548.3(40173)	25.74	25.05	23.86	21.44
		2503.5 (39725)	25.92	25.09	23.98	21.57
	1RB-Low (0)	2682.5 (41515)	25.73	25.28	23.81	21.54
		2637.8(41068)	25.77	25.13	23.93	21.55
		2593 (40620)	25.85	25.21	24.09	21.53
		2548.3(40173)	25.50	24.95	23.76	21.47
		2503.5 (39725)	25.68	25.21	23.92	21.45
	36RB-High (38)	2682.5 (41515)	25.23	24.23	23.25	21.63
		2637.8(41068)	25.08	24.06	23.18	21.46
		2593 (40620)	25.07	24.27	23.23	21.44
		2548.3(40173)	25.01	23.97	23.06	21.46
		2503.5 (39725)	25.09	24.12	23.16	21.53
	36RB-Middle (19)	2682.5 (41515)	25.26	24.30	23.34	21.52
		2637.8(41068)	25.14	24.14	23.12	21.60
		2593 (40620)	25.17	24.22	23.21	21.48
		2548.3(40173)	25.02	24.04	23.09	21.54
		2503.5 (39725)	25.15	24.12	23.22	21.59
	36RB-Low (0)	2682.5 (41515)	25.16	24.24	23.25	21.48
		2637.8(41068)	25.09	24.02	23.13	21.49
		2593 (40620)	25.17	24.20	23.22	21.54
		2548.3(40173)	24.92	23.90	22.96	21.60
		2503.5 (39725)	25.15	24.19	23.20	21.50

	75RB (0)	2682.5 (41515)	25.26	24.28	23.30	21.52
		2637.8(41068)	25.10	24.12	23.14	21.51
		2593 (40620)	25.24	24.28	23.28	21.62
		2548.3(40173)	25.00	24.06	23.01	21.58
		2503.5 (39725)	25.15	24.16	23.15	21.62
20MHz	1RB-High (99)	2680 (41490)	25.78	25.12	23.18	21.52
		2636.5(41055)	25.71	24.93	23.06	21.44
		2593 (40620)	25.87	25.05	23.22	21.55
		2549.5(40185)	25.56	24.86	22.78	21.60
		2506 (39750)	25.61	24.79	22.92	21.50
	1RB-Middle (50)	2680 (41490)	25.84	25.25	23.13	21.54
		2636.5(41055)	25.93	24.94	23.38	21.53
		2593 (40620)	26.08	25.05	23.19	21.44
		2549.5(40185)	25.58	24.95	22.71	21.53
		2506 (39750)	25.84	25.00	23.06	21.56
	1RB-Low (0)	2680 (41490)	25.85	25.30	23.12	21.51
		2636.5(41055)	25.82	25.11	23.29	21.55
		2593 (40620)	26.06	25.18	23.13	21.48
		2549.5(40185)	25.59	24.88	22.95	21.48
		2506 (39750)	25.94	25.17	23.08	21.51
	50RB-High (50)	2680 (41490)	25.22	24.22	22.24	21.47
		2636.5(41055)	25.09	24.07	22.09	21.44
		2593 (40620)	25.24	24.26	22.24	21.44
		2549.5(40185)	24.99	23.99	22.01	21.59
		2506 (39750)	25.09	24.08	22.12	21.51
	50RB-Middle (25)	2680 (41490)	25.26	24.31	22.33	21.50
		2636.5(41055)	25.08	24.10	22.06	21.47
		2593 (40620)	25.28	24.25	22.22	21.46
		2549.5(40185)	25.01	24.03	22.02	21.50
		2506 (39750)	25.15	24.15	22.18	21.62
	50RB-Low (0)	2680 (41490)	25.16	24.21	22.23	21.52
		2636.5(41055)	25.08	24.14	22.11	21.62
		2593 (40620)	25.21	24.22	22.22	21.55
		2549.5(40185)	24.95	23.94	21.93	21.53
		2506 (39750)	25.08	24.13	22.08	21.53
	100RB (0)	2680 (41490)	25.26	24.32	22.26	21.47
		2636.5(41055)	25.06	24.08	22.04	21.52
		2593 (40620)	25.20	24.21	22.19	21.47
		2549.5(40185)	25.01	24.06	22.02	21.58

		2506 (39750)	25.14	24.16	22.14	21.57

LTE B41(PC2) ANT1 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	22.09	22.30	22.36	21.67
		2640.3(41093)	21.97	22.27	22.13	21.81
		2593 (40620)	21.92	22.44	22.15	21.78
		2545.8(40148)	21.79	22.20	21.93	21.75
		2498.5 (39675)	22.07	22.09	22.27	21.80
	1RB-Middle (12)	2687.5 (41565)	22.07	22.25	22.49	21.67
		2640.3(41093)	22.05	22.26	22.21	21.73
		2593 (40620)	22.19	22.11	22.45	21.66
		2545.8(40148)	21.80	22.25	21.81	21.70
		2498.5 (39675)	22.06	22.35	21.99	21.78
	1RB-Low (0)	2687.5 (41565)	22.15	22.36	22.25	21.67
		2640.3(41093)	22.20	22.30	22.13	21.78
		2593 (40620)	22.18	22.41	22.28	21.82
		2545.8(40148)	21.99	22.22	22.09	21.82
		2498.5 (39675)	22.03	22.26	22.37	21.72
	12RB-High (13)	2687.5 (41565)	22.04	22.41	22.12	21.75
		2640.3(41093)	21.93	21.98	22.00	21.71
		2593 (40620)	22.11	22.28	22.13	21.74
		2545.8(40148)	21.95	21.98	21.99	21.70
		2498.5 (39675)	21.99	22.11	21.92	21.72
	12RB-Middle (6)	2687.5 (41565)	22.28	22.31	22.24	21.81
		2640.3(41093)	22.05	22.00	22.11	21.69
		2593 (40620)	22.07	22.16	22.26	21.79
		2545.8(40148)	21.93	21.87	21.89	21.74
		2498.5 (39675)	22.18	22.09	22.17	21.77
	12RB-Low (0)	2687.5 (41565)	22.01	22.08	22.14	21.79
		2640.3(41093)	22.03	21.99	22.14	21.78
		2593 (40620)	22.03	22.21	22.22	21.79
		2545.8(40148)	21.81	21.84	21.89	21.78
		2498.5 (39675)	21.99	22.08	21.95	21.78
	25RB (0)	2687.5 (41565)	22.27	22.25	22.26	21.74
		2640.3(41093)	22.22	22.12	22.06	21.68
		2593 (40620)	22.19	22.34	22.27	21.74
		2545.8(40148)	21.91	21.94	21.91	21.70
		2498.5 (39675)	21.97	22.08	22.16	21.79

10MHz	1RB-High (49)	2685 (41540)	22.12	22.47	22.36	21.81
		2639(41080)	21.81	22.31	22.20	21.81
		2593 (40620)	22.10	22.39	22.20	21.70
		2547(40160)	21.91	22.09	22.07	21.76
		2501 (39700)	21.89	22.26	22.22	21.70
	1RB-Middle (24)	2685 (41540)	22.17	22.44	22.41	21.82
		2639(41080)	22.06	22.33	22.06	21.73
		2593 (40620)	22.13	22.33	22.20	21.72
		2547(40160)	21.77	22.18	21.99	21.67
		2501 (39700)	22.04	22.35	22.10	21.78
	1RB-Low (0)	2685 (41540)	22.12	22.43	22.23	21.82
		2639(41080)	22.03	22.35	22.32	21.67
		2593 (40620)	22.11	22.38	22.22	21.67
		2547(40160)	21.83	22.29	22.16	21.72
		2501 (39700)	22.09	22.37	22.25	21.75
	25RB-High (25)	2685 (41540)	22.10	22.16	22.14	21.80
		2639(41080)	22.13	22.13	22.02	21.78
		2593 (40620)	22.19	22.12	22.26	21.77
		2547(40160)	21.89	22.01	22.08	21.82
		2501 (39700)	22.16	22.00	22.20	21.70
	25RB-Middle (12)	2685 (41540)	22.34	22.30	22.20	21.80
		2639(41080)	22.03	22.07	22.16	21.74
		2593 (40620)	22.27	22.26	22.20	21.69
		2547(40160)	22.04	22.06	22.01	21.70
		2501 (39700)	22.23	22.20	22.06	21.68
	25RB-Low (0)	2685 (41540)	22.05	22.17	22.21	21.81
		2639(41080)	22.14	22.08	22.05	21.82
		2593 (40620)	22.06	22.11	22.18	21.73
		2547(40160)	21.88	21.88	21.95	21.72
		2501 (39700)	21.96	22.07	22.11	21.68
	50RB (0)	2685 (41540)	22.27	22.19	22.13	21.70
		2639(41080)	22.08	22.04	22.20	21.66
		2593 (40620)	22.16	22.26	22.22	21.70
		2547(40160)	21.90	22.01	22.07	21.67
		2501 (39700)	22.01	22.07	22.05	21.75
15MHz	1RB-High (74)	2682.5 (41515)	22.04	22.33	22.28	21.66
		2637.8(41068)	21.90	22.29	22.14	21.73
		2593 (40620)	21.98	22.50	22.13	21.82

		2548.3(40173)	21.84	22.15	21.98	21.70
		2503.5 (39725)	22.00	22.15	22.32	21.75
	1RB-Middle (37)	2682.5 (41515)	22.06	22.29	22.39	21.82
		2637.8(41068)	22.00	22.28	22.18	21.81
		2593 (40620)	22.16	22.20	22.35	21.72
		2548.3(40173)	21.82	22.18	21.86	21.68
		2503.5 (39725)	21.96	22.38	22.09	21.76
	1RB-Low (0)	2682.5 (41515)	22.12	22.36	22.34	21.81
		2637.8(41068)	22.22	22.32	22.20	21.77
		2593 (40620)	22.11	22.50	22.38	21.74
		2548.3(40173)	21.89	22.18	22.08	21.73
		2503.5 (39725)	22.01	22.33	22.28	21.70
	36RB-High (38)	2682.5 (41515)	22.10	22.34	22.20	21.69
		2637.8(41068)	22.00	22.05	21.94	21.76
		2593 (40620)	22.21	22.24	22.20	21.80
		2548.3(40173)	21.94	21.89	22.07	21.81
		2503.5 (39725)	21.99	22.09	22.02	21.66
	36RB-Middle (19)	2682.5 (41515)	22.20	22.24	22.20	21.66
		2637.8(41068)	22.12	22.09	22.06	21.78
		2593 (40620)	22.16	22.22	22.17	21.77
		2548.3(40173)	21.89	21.95	21.94	21.76
		2503.5 (39725)	22.10	22.18	22.16	21.68
	36RB-Low (0)	2682.5 (41515)	22.03	22.06	22.04	21.68
		2637.8(41068)	21.99	22.08	22.16	21.68
		2593 (40620)	22.02	22.21	22.23	21.79
		2548.3(40173)	21.86	21.90	21.88	21.70
		2503.5 (39725)	22.09	22.04	21.98	21.75
	75RB (0)	2682.5 (41515)	22.17	22.20	22.28	21.72
		2637.8(41068)	22.12	22.18	22.07	21.72
		2593 (40620)	22.23	22.33	22.20	21.75
		2548.3(40173)	21.95	21.90	21.96	21.71
		2503.5 (39725)	22.06	22.06	22.08	21.76
20MHz	1RB-High (99)	2680 (41490)	22.05	22.38	22.28	21.73
		2636.5(41055)	21.84	22.29	22.13	21.67
		2593 (40620)	22.00	22.41	22.21	21.75
		2549.5(40185)	21.85	22.18	22.03	21.74
		2506 (39750)	21.91	22.21	22.26	21.72
	1RB-Middle (50)	2680 (41490)	22.08	22.36	22.35	21.77
		2636.5(41055)	22.01	22.32	22.14	21.74

		2593 (40620)	22.18	22.28	22.29	21.66
		2549.5(40185)	21.85	22.18	21.96	21.77
		2506 (39750)	21.98	22.45	22.02	21.74
	1RB-Low (0)	2680 (41490)	22.10	22.45	22.29	21.72
		2636.5(41055)	22.12	22.34	22.29	21.76
		2593 (40620)	22.12	22.50	22.30	21.73
		2549.5(40185)	21.88	22.20	22.06	21.73
		2506 (39750)	22.01	22.31	22.23	21.79
	50RB-High (50)	2680 (41490)	22.15	22.24	22.21	21.78
		2636.5(41055)	22.03	22.10	22.04	21.72
		2593 (40620)	22.12	22.16	22.17	21.75
		2549.5(40185)	21.98	21.97	21.98	21.66
		2506 (39750)	22.08	22.08	22.10	21.68
	50RB-Middle (25)	2680 (41490)	22.24	22.31	22.26	21.78
		2636.5(41055)	22.10	22.16	22.14	21.78
		2593 (40620)	22.26	22.21	22.26	21.73
		2549.5(40185)	21.99	22.01	21.96	21.77
		2506 (39750)	22.15	22.13	22.11	21.67
	50RB-Low (0)	2680 (41490)	22.12	22.14	22.13	21.74
		2636.5(41055)	22.04	22.08	22.08	21.79
		2593 (40620)	22.12	22.20	22.19	21.68
		2549.5(40185)	21.90	21.93	21.89	21.77
		2506 (39750)	22.05	22.08	22.03	21.76
	100RB (0)	2680 (41490)	22.19	22.22	22.23	21.73
		2636.5(41055)	22.08	22.14	22.14	21.70
		2593 (40620)	22.23	22.23	22.24	21.69
		2549.5(40185)	21.96	21.96	21.98	21.80
		2506 (39750)	22.09	22.11	22.12	21.68

LTE B41(PC3) ANT1 DSI0

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	21.05	21.14	21.13	18.36
		2640.3(41093)	21.07	20.94	21.08	18.45
		2593 (40620)	21.12	21.28	21.12	18.60
		2545.8(40148)	20.99	21.20	20.89	18.64
		2498.5 (39675)	21.02	21.05	20.96	18.53
	1RB-Middle (12)	2687.5 (41565)	21.26	21.21	21.32	18.59
		2640.3(41093)	21.09	21.11	20.83	18.59
		2593 (40620)	21.12	21.26	21.05	18.37

		2545.8(40148)	21.08	21.10	21.06	18.49
		2498.5 (39675)	21.19	21.16	21.18	18.60
	1RB-Low (0)	2687.5 (41565)	21.24	21.02	21.34	18.66
		2640.3(41093)	20.99	21.10	20.83	18.58
		2593 (40620)	21.05	21.18	21.17	18.48
		2545.8(40148)	20.86	20.98	20.99	18.69
		2498.5 (39675)	21.20	21.27	21.16	18.39
	12RB-High (13)	2687.5 (41565)	21.28	21.07	21.08	18.33
		2640.3(41093)	21.13	21.01	20.10	18.60
		2593 (40620)	21.31	21.25	20.15	18.54
		2545.8(40148)	20.89	20.88	19.97	18.55
		2498.5 (39675)	21.12	21.15	20.09	18.65
	12RB-Middle (6)	2687.5 (41565)	21.36	21.32	21.33	18.36
		2640.3(41093)	21.19	21.12	20.15	18.33
		2593 (40620)	21.40	21.19	20.30	18.33
		2545.8(40148)	21.00	20.93	20.01	18.67
		2498.5 (39675)	21.32	21.25	20.32	18.40
	12RB-Low (0)	2687.5 (41565)	21.20	21.16	21.30	18.69
		2640.3(41093)	21.29	21.11	20.07	18.46
		2593 (40620)	21.16	21.13	20.07	18.47
		2545.8(40148)	20.99	20.98	19.95	18.57
		2498.5 (39675)	21.26	21.19	20.06	18.67
	25RB (0)	2687.5 (41565)	21.37	21.28	21.10	18.43
		2640.3(41093)	21.24	20.98	20.22	18.48
		2593 (40620)	21.38	21.16	20.31	18.58
		2545.8(40148)	21.08	20.97	20.03	18.63
		2498.5 (39675)	21.05	21.22	20.16	18.61
10MHz	1RB-High (49)	2685 (41540)	21.21	21.26	21.04	18.38
		2639(41080)	20.93	20.96	21.06	18.61
		2593 (40620)	21.23	21.15	21.09	18.61
		2547(40160)	20.96	21.03	20.91	18.33
		2501 (39700)	21.10	21.10	21.00	18.49
	1RB-Middle (24)	2685 (41540)	21.15	21.27	21.29	18.64
		2639(41080)	21.09	21.17	21.07	18.67
		2593 (40620)	21.28	21.36	20.95	18.39
		2547(40160)	21.00	21.15	21.06	18.63
		2501 (39700)	21.19	21.03	21.25	18.38
	1RB-Low (0)	2685 (41540)	21.30	21.03	21.28	18.60
		2639(41080)	21.11	21.03	21.03	18.47

		2593 (40620)	21.12	21.19	21.36	18.44
		2547(40160)	20.96	20.97	20.97	18.37
		2501 (39700)	21.23	21.32	21.06	18.69
	25RB-High (25)	2685 (41540)	21.25	21.33	21.14	18.63
		2639(41080)	21.16	21.10	20.01	18.38
		2593 (40620)	21.23	21.15	20.30	18.34
		2547(40160)	20.99	20.92	20.07	18.40
		2501 (39700)	21.13	21.21	20.12	18.42
	25RB-Middle (12)	2685 (41540)	21.27	21.22	21.41	18.34
		2639(41080)	21.29	21.13	20.18	18.53
		2593 (40620)	21.25	21.36	20.36	18.43
		2547(40160)	21.14	20.98	20.09	18.65
		2501 (39700)	21.14	21.33	20.09	18.40
	25RB-Low (0)	2685 (41540)	21.08	21.12	21.22	18.56
		2639(41080)	21.10	21.22	20.14	18.59
		2593 (40620)	21.26	21.25	20.29	18.55
		2547(40160)	20.87	21.07	19.95	18.41
		2501 (39700)	21.19	21.07	20.12	18.36
	50RB (0)	2685 (41540)	21.26	21.32	21.15	18.58
		2639(41080)	21.12	21.10	20.16	18.49
		2593 (40620)	21.33	21.29	20.23	18.53
		2547(40160)	21.13	21.03	20.14	18.55
		2501 (39700)	21.15	21.23	20.10	18.42
15MHz	1RB-High (74)	2682.5 (41515)	21.15	21.19	21.13	18.44
		2637.8(41068)	20.98	21.04	21.08	18.58
		2593 (40620)	21.11	21.20	21.09	18.60
		2548.3(40173)	20.96	21.14	20.93	18.47
		2503.5 (39725)	21.10	21.07	21.01	18.52
	1RB-Middle (37)	2682.5 (41515)	21.33	21.21	21.30	18.62
		2637.8(41068)	21.19	21.07	20.89	18.61
		2593 (40620)	21.19	21.34	21.00	18.44
		2548.3(40173)	20.98	21.16	21.05	18.54
		2503.5 (39725)	21.18	21.09	21.17	18.47
	1RB-Low (0)	2682.5 (41515)	21.26	21.08	21.33	18.44
		2637.8(41068)	21.07	21.12	20.92	18.66
		2593 (40620)	21.11	21.17	21.23	18.67
		2548.3(40173)	20.90	20.91	20.95	18.54
		2503.5 (39725)	21.10	21.33	21.15	18.68
	36RB-High (38)	2682.5 (41515)	21.32	21.16	21.13	18.41

		2637.8(41068)	21.05	20.96	20.18	18.68
		2593 (40620)	21.29	21.23	20.12	18.41
		2548.3(40173)	20.91	20.93	19.94	18.38
		2503.5 (39725)	21.17	21.15	20.04	18.41
	36RB-Middle (19)	2682.5 (41515)	21.36	21.24	21.35	18.51
		2637.8(41068)	21.19	21.22	20.19	18.64
		2593 (40620)	21.37	21.29	20.32	18.62
		2548.3(40173)	20.97	20.98	20.04	18.35
		2503.5 (39725)	21.26	21.16	20.25	18.63
	36RB-Low (0)	2682.5 (41515)	21.25	21.21	21.28	18.37
		2637.8(41068)	21.23	21.21	20.14	18.64
		2593 (40620)	21.07	21.13	20.12	18.63
		2548.3(40173)	21.00	21.03	20.03	18.57
		2503.5 (39725)	21.17	21.18	20.06	18.33
	75RB (0)	2682.5 (41515)	21.37	21.22	21.19	18.66
		2637.8(41068)	21.21	21.07	20.20	18.33
		2593 (40620)	21.36	21.26	20.26	18.42
		2548.3(40173)	21.04	20.95	20.12	18.43
		2503.5 (39725)	21.14	21.15	20.16	18.40
20MHz	1RB-High (99)	2680 (41490)	21.21	21.20	21.09	18.61
		2636.5(41055)	20.94	20.94	20.99	18.64
		2593 (40620)	21.20	21.19	21.13	18.59
		2549.5(40185)	20.95	21.05	20.83	18.41
		2506 (39750)	21.04	21.07	20.91	18.41
	1RB-Middle (50)	2680 (41490)	21.13	21.27	21.35	18.58
		2636.5(41055)	21.15	21.07	20.97	18.62
		2593 (40620)	21.23	21.30	21.02	18.66
		2549.5(40185)	20.94	21.08	21.03	18.46
		2506 (39750)	21.16	21.04	21.27	18.49
	1RB-Low (0)	2680 (41490)	21.20	21.07	21.24	18.59
		2636.5(41055)	21.13	21.09	21.01	18.66
		2593 (40620)	21.21	21.16	21.26	18.35
		2549.5(40185)	20.96	20.93	21.00	18.39
		2506 (39750)	21.14	21.24	21.05	18.35
	50RB-High (50)	2680 (41490)	21.24	21.24	21.23	18.42
		2636.5(41055)	21.07	21.06	20.09	18.41
		2593 (40620)	21.25	21.22	20.22	18.61
		2549.5(40185)	20.98	21.00	20.03	18.70
		2506 (39750)	21.12	21.11	20.10	18.66

	50RB-Middle (25)	2680 (41490)	21.30	21.32	21.33	18.61
		2636.5(41055)	21.19	21.21	20.15	18.53
		2593 (40620)	21.38	21.35	20.33	18.64
		2549.5(40185)	21.05	21.08	20.07	18.70
		2506 (39750)	21.18	21.24	20.19	18.67
	50RB-Low (0)	2680 (41490)	21.15	21.21	21.18	18.48
		2636.5(41055)	21.13	21.17	20.16	18.33
		2593 (40620)	21.17	21.17	20.21	18.61
		2549.5(40185)	20.95	20.98	19.94	18.44
		2506 (39750)	21.11	21.16	20.14	18.65
	100RB (0)	2680 (41490)	21.31	21.24	21.23	18.59
		2636.5(41055)	21.15	21.14	20.15	18.61
		2593 (40620)	21.28	21.28	20.27	18.52
		2549.5(40185)	21.03	20.99	20.05	18.42
		2506 (39750)	21.14	21.21	20.18	18.71

LTE B41(PC3) ANT1 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	22.99	22.22	21.15	18.39
		2640.3(41093)	22.84	21.89	20.85	18.47
		2593 (40620)	22.91	21.99	21.09	18.35
		2545.8(40148)	22.85	21.97	20.80	18.44
		2498.5 (39675)	22.88	22.13	20.91	18.32
	1RB-Middle (12)	2687.5 (41565)	23.04	22.12	21.13	18.31
		2640.3(41093)	22.83	22.04	20.79	18.56
		2593 (40620)	23.12	21.75	20.98	18.39
		2545.8(40148)	23.10	22.04	20.84	18.34
		2498.5 (39675)	23.28	22.12	21.04	18.41
	1RB-Low (0)	2687.5 (41565)	23.03	22.07	20.73	18.40
		2640.3(41093)	22.92	21.81	20.88	18.29
		2593 (40620)	23.11	22.11	21.11	18.54
		2545.8(40148)	22.89	21.93	20.61	18.42
		2498.5 (39675)	22.97	22.10	20.91	18.51
	12RB-High (13)	2687.5 (41565)	22.02	20.95	19.82	18.43
		2640.3(41093)	21.74	20.77	19.65	18.40
		2593 (40620)	21.94	20.96	19.92	18.51
		2545.8(40148)	21.76	20.69	19.68	18.56
		2498.5 (39675)	21.94	20.74	19.75	18.39
	12RB-Middle (6)	2687.5 (41565)	22.05	21.22	20.22	18.30

		2640.3(41093)	21.98	21.04	19.96	18.35
		2593 (40620)	22.21	21.19	20.30	18.33
		2545.8(40148)	21.95	21.04	19.99	18.41
		2498.5 (39675)	22.15	21.09	20.07	18.47
	12RB-Low (0)	2687.5 (41565)	21.79	20.65	19.88	18.39
		2640.3(41093)	21.63	20.94	19.70	18.48
		2593 (40620)	21.80	20.66	19.92	18.40
		2545.8(40148)	21.62	20.49	19.63	18.46
		2498.5 (39675)	21.83	20.86	19.79	18.52
	25RB (0)	2687.5 (41565)	22.31	21.11	20.14	18.47
		2640.3(41093)	22.00	20.97	20.03	18.30
		2593 (40620)	22.26	21.19	20.20	18.49
		2545.8(40148)	22.01	21.08	20.01	18.39
		2498.5 (39675)	22.09	21.26	20.23	18.31
10MHz	1RB-High (49)	2685 (41540)	22.97	22.18	21.05	18.52
		2639(41080)	22.68	21.77	20.91	18.32
		2593 (40620)	22.89	21.97	20.96	18.50
		2547(40160)	22.77	21.93	20.70	18.30
		2501 (39700)	22.99	22.00	20.94	18.57
	1RB-Middle (24)	2685 (41540)	23.01	22.04	21.04	18.46
		2639(41080)	22.98	21.99	20.74	18.38
		2593 (40620)	23.15	22.03	20.99	18.31
		2547(40160)	22.91	22.00	20.77	18.34
		2501 (39700)	23.01	22.27	20.96	18.56
	1RB-Low (0)	2685 (41540)	23.21	22.05	20.96	18.30
		2639(41080)	23.01	21.94	21.07	18.56
		2593 (40620)	23.04	22.04	20.97	18.41
		2547(40160)	22.93	21.93	20.84	18.36
		2501 (39700)	23.08	22.19	20.96	18.37
	25RB-High (25)	2685 (41540)	22.04	20.96	19.76	18.35
		2639(41080)	21.68	20.75	19.88	18.41
		2593 (40620)	21.90	20.89	19.84	18.35
		2547(40160)	21.74	20.84	19.64	18.40
		2501 (39700)	21.95	20.83	19.77	18.37
	25RB-Middle (12)	2685 (41540)	22.24	21.12	20.15	18.48
		2639(41080)	21.89	21.00	20.01	18.51
		2593 (40620)	22.12	21.25	20.26	18.43
		2547(40160)	22.13	20.91	20.02	18.33
		2501 (39700)	22.11	21.07	20.21	18.50

	25RB-Low (0)	2685 (41540)	21.91	20.85	19.78	18.40
		2639(41080)	21.75	20.83	19.90	18.51
		2593 (40620)	21.94	20.74	19.80	18.44
		2547(40160)	21.75	20.72	19.68	18.35
		2501 (39700)	21.91	20.81	19.79	18.50
	50RB (0)	2685 (41540)	22.05	21.23	20.24	18.37
		2639(41080)	22.01	20.93	20.10	18.32
		2593 (40620)	22.25	21.30	20.21	18.56
		2547(40160)	22.06	21.09	19.96	18.51
		2501 (39700)	22.15	21.17	20.19	18.57
15MHz	1RB-High (74)	2682.5 (41515)	23.03	22.20	21.12	18.47
		2637.8(41068)	22.85	21.93	20.85	18.57
		2593 (40620)	22.97	21.96	21.10	18.32
		2548.3(40173)	22.92	21.90	20.71	18.46
		2503.5 (39725)	22.90	22.03	20.83	18.43
	1RB-Middle (37)	2682.5 (41515)	23.01	22.05	21.07	18.29
		2637.8(41068)	22.84	21.97	20.85	18.53
		2593 (40620)	23.19	21.85	20.92	18.30
		2548.3(40173)	23.00	22.02	20.81	18.40
		2503.5 (39725)	23.18	22.14	21.11	18.48
	1RB-Low (0)	2682.5 (41515)	23.06	22.00	20.81	18.56
		2637.8(41068)	23.01	21.84	20.97	18.49
		2593 (40620)	23.10	22.16	21.04	18.51
		2548.3(40173)	22.91	21.93	20.70	18.34
		2503.5 (39725)	23.06	22.08	21.01	18.29
	36RB-High (38)	2682.5 (41515)	22.05	20.85	19.86	18.49
		2637.8(41068)	21.68	20.86	19.71	18.55
		2593 (40620)	21.99	20.99	19.95	18.53
		2548.3(40173)	21.68	20.68	19.67	18.47
		2503.5 (39725)	21.86	20.76	19.81	18.47
	36RB-Middle (19)	2682.5 (41515)	22.05	21.20	20.26	18.32
		2637.8(41068)	21.98	21.04	20.03	18.45
		2593 (40620)	22.28	21.26	20.31	18.48
		2548.3(40173)	22.03	21.06	20.03	18.51
		2503.5 (39725)	22.21	21.15	20.07	18.35
	36RB-Low (0)	2682.5 (41515)	21.77	20.75	19.89	18.29
		2637.8(41068)	21.65	20.84	19.78	18.49
		2593 (40620)	21.90	20.70	19.82	18.32
		2548.3(40173)	21.68	20.58	19.71	18.48

		2503.5 (39725)	21.79	20.95	19.84	18.56
	75RB (0)	2682.5 (41515)	22.22	21.16	20.10	18.43
		2637.8(41068)	21.93	20.89	19.94	18.43
		2593 (40620)	22.20	21.11	20.19	18.46
		2548.3(40173)	22.07	21.03	20.08	18.50
		2503.5 (39725)	22.08	21.22	20.15	18.55
20MHz	1RB-High (99)	2680 (41490)	23.07	22.12	21.07	18.30
		2636.5(41055)	22.77	21.83	20.86	18.39
		2593 (40620)	22.95	22.04	21.03	18.53
		2549.5(40185)	22.84	21.88	20.77	18.43
		2506 (39750)	22.95	21.96	20.90	18.42
	1RB-Middle (50)	2680 (41490)	23.07	22.01	21.01	18.56
		2636.5(41055)	22.94	21.96	20.79	18.32
		2593 (40620)	23.15	21.93	20.99	18.57
		2549.5(40185)	22.90	22.07	20.85	18.47
		2506 (39750)	23.08	22.24	21.03	18.54
	1RB-Low (0)	2680 (41490)	23.14	22.07	20.88	18.38
		2636.5(41055)	22.95	21.92	20.98	18.31
		2593 (40620)	23.06	22.09	21.07	18.54
		2549.5(40185)	22.88	21.95	20.76	18.54
		2506 (39750)	23.07	22.12	20.91	18.42
	50RB-High (50)	2680 (41490)	21.99	20.92	19.86	18.53
		2636.5(41055)	21.76	20.82	19.81	18.41
		2593 (40620)	21.94	20.90	19.93	18.42
		2549.5(40185)	21.72	20.75	19.69	18.57
		2506 (39750)	21.92	20.82	19.83	18.52
	50RB-Middle (25)	2680 (41490)	22.15	21.20	20.18	18.39
		2636.5(41055)	21.98	21.03	20.03	18.46
		2593 (40620)	22.20	21.22	20.22	18.56
		2549.5(40185)	22.03	21.01	20.04	18.57
		2506 (39750)	22.16	21.17	20.15	18.39
	50RB-Low (0)	2680 (41490)	21.81	20.83	19.80	18.46
		2636.5(41055)	21.72	20.82	19.83	18.37
		2593 (40620)	21.88	20.78	19.87	18.47
		2549.5(40185)	21.67	20.66	19.73	18.54
		2506 (39750)	21.85	20.86	19.85	18.34
	100RB (0)	2680 (41490)	22.14	21.16	20.17	18.44
		2636.5(41055)	22.00	20.99	20.00	18.43
		2593 (40620)	22.16	21.21	20.18	18.37

		2549.5(40185)	21.99	21.01	20.04	18.53
		2506 (39750)	22.15	21.14	20.12	18.31

LTE B41(PC3) ANT1 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	266QAM
5MHz	1RB-High (24)	2687.5 (41565)	20.04	20.25	20.08	18.56
		2640.3(41093)	20.15	20.04	19.84	18.56
		2593 (40620)	20.13	20.09	20.24	18.50
		2545.8(40148)	19.89	19.89	19.85	18.63
		2498.5 (39675)	19.88	20.16	19.93	18.50
	1RB-Middle (12)	2687.5 (41565)	20.04	20.22	20.02	18.64
		2640.3(41093)	20.15	20.01	20.14	18.58
		2593 (40620)	20.17	20.27	20.03	18.56
		2545.8(40148)	19.81	20.01	19.86	18.60
		2498.5 (39675)	20.01	19.91	20.00	18.66
	1RB-Low (0)	2687.5 (41565)	20.05	20.28	19.92	18.33
		2640.3(41093)	20.08	19.89	20.13	18.68
		2593 (40620)	20.26	20.22	19.95	18.37
		2545.8(40148)	20.15	20.07	19.82	18.33
		2498.5 (39675)	20.04	19.99	19.87	18.69
	12RB-High (13)	2687.5 (41565)	20.23	20.33	20.32	18.57
		2640.3(41093)	20.02	20.02	20.15	18.38
		2593 (40620)	20.26	20.36	20.23	18.44
		2545.8(40148)	19.90	19.96	20.11	18.46
		2498.5 (39675)	20.18	20.06	20.24	18.57
	12RB-Middle (6)	2687.5 (41565)	20.40	20.34	20.16	18.69
		2640.3(41093)	20.24	20.12	20.16	18.61
		2593 (40620)	20.32	20.29	20.41	18.64
		2545.8(40148)	20.09	19.86	19.92	18.63
		2498.5 (39675)	20.14	20.15	20.17	18.40
	12RB-Low (0)	2687.5 (41565)	20.12	20.13	20.09	18.68
		2640.3(41093)	20.21	20.00	20.02	18.35
		2593 (40620)	20.22	20.20	20.36	18.45
		2545.8(40148)	19.79	20.05	19.93	18.43
		2498.5 (39675)	20.02	19.99	20.20	18.33
	25RB (0)	2687.5 (41565)	20.10	20.28	20.42	18.34
		2640.3(41093)	20.28	20.25	20.08	18.37
		2593 (40620)	20.19	20.33	20.43	18.42
		2545.8(40148)	20.02	20.03	19.96	18.54

		2498.5 (39675)	19.97	20.08	20.27	18.37
10MHz	1RB-High (49)	2685 (41540)	19.94	20.26	20.15	18.66
		2639(41080)	19.97	20.01	20.00	18.59
		2593 (40620)	20.02	20.24	20.28	18.42
		2547(40160)	20.01	20.10	19.79	18.49
		2501 (39700)	20.09	20.12	20.10	18.69
	1RB-Middle (24)	2685 (41540)	20.03	20.21	20.22	18.42
		2639(41080)	20.13	20.10	20.25	18.43
		2593 (40620)	20.29	20.30	20.01	18.37
		2547(40160)	19.98	20.00	19.73	18.48
		2501 (39700)	20.16	19.95	20.04	18.44
	1RB-Low (0)	2685 (41540)	20.21	20.20	19.89	18.44
		2639(41080)	20.20	20.00	20.04	18.45
		2593 (40620)	20.15	20.23	20.03	18.51
		2547(40160)	20.04	19.95	19.80	18.37
		2501 (39700)	20.12	19.84	20.04	18.34
	25RB-High (25)	2685 (41540)	20.26	20.15	20.32	18.56
		2639(41080)	20.04	20.08	20.11	18.41
		2593 (40620)	20.26	20.19	20.32	18.49
		2547(40160)	19.91	20.06	20.08	18.50
		2501 (39700)	20.10	20.04	20.02	18.53
	25RB-Middle (12)	2685 (41540)	20.17	20.28	20.21	18.47
		2639(41080)	20.22	20.15	20.22	18.51
		2593 (40620)	20.30	20.25	20.32	18.67
		2547(40160)	19.96	19.99	19.92	18.59
		2501 (39700)	20.25	20.23	20.24	18.61
	25RB-Low (0)	2685 (41540)	20.16	20.23	20.26	18.54
		2639(41080)	20.09	20.17	20.03	18.57
		2593 (40620)	20.06	20.30	20.14	18.65
		2547(40160)	19.98	19.88	19.88	18.58
		2501 (39700)	20.01	20.02	20.14	18.56
	50RB (0)	2685 (41540)	20.21	20.21	20.31	18.69
		2639(41080)	20.21	20.18	20.05	18.39
		2593 (40620)	20.20	20.28	20.21	18.43
		2547(40160)	19.93	19.94	20.04	18.38
		2501 (39700)	20.04	20.12	20.24	18.52
15MHz	1RB-High (74)	2682.5 (41515)	20.02	20.17	20.17	18.46
		2637.8(41068)	20.05	20.14	19.93	18.67

		2593 (40620)	20.21	20.10	20.22	18.53
		2548.3(40173)	19.97	19.97	19.85	18.60
		2503.5 (39725)	19.97	20.08	19.91	18.51
	1RB-Middle (37)	2682.5 (41515)	20.03	20.17	20.03	18.54
		2637.8(41068)	20.07	19.96	20.10	18.47
		2593 (40620)	20.17	20.31	20.02	18.36
		2548.3(40173)	19.80	20.04	19.87	18.52
		2503.5 (39725)	20.08	19.98	20.04	18.55
	1RB-Low (0)	2682.5 (41515)	20.14	20.26	19.92	18.57
		2637.8(41068)	20.10	19.99	20.06	18.59
		2593 (40620)	20.17	20.14	20.05	18.65
		2548.3(40173)	20.05	19.97	19.89	18.49
		2503.5 (39725)	20.07	20.03	19.95	18.65
	36RB-High (38)	2682.5 (41515)	20.23	20.27	20.33	18.46
		2637.8(41068)	20.04	20.02	20.14	18.47
		2593 (40620)	20.28	20.30	20.17	18.44
		2548.3(40173)	19.88	20.02	20.02	18.53
		2503.5 (39725)	20.09	19.99	20.17	18.52
	36RB-Middle (19)	2682.5 (41515)	20.33	20.25	20.19	18.69
		2637.8(41068)	20.19	20.21	20.11	18.69
		2593 (40620)	20.34	20.34	20.31	18.66
		2548.3(40173)	20.03	19.95	19.93	18.48
		2503.5 (39725)	20.07	20.16	20.13	18.51
	36RB-Low (0)	2682.5 (41515)	20.07	20.12	20.18	18.46
		2637.8(41068)	20.14	20.04	20.06	18.54
		2593 (40620)	20.23	20.18	20.26	18.59
		2548.3(40173)	19.82	19.99	19.87	18.45
		2503.5 (39725)	20.05	20.01	20.10	18.33
	75RB (0)	2682.5 (41515)	20.15	20.30	20.34	18.57
		2637.8(41068)	20.23	20.18	20.12	18.61
		2593 (40620)	20.21	20.24	20.35	18.57
		2548.3(40173)	20.02	19.96	20.04	18.56
		2503.5 (39725)	20.04	20.15	20.24	18.40
20MHz	1RB-High (99)	2680 (41490)	20.02	20.20	20.22	18.64
		2636.5(41055)	19.96	20.09	19.99	18.57
		2593 (40620)	20.11	20.18	20.19	18.33
		2549.5(40185)	19.91	20.00	19.89	18.35
		2506 (39750)	20.04	20.08	20.00	18.69
	1RB-Middle (50)	2680 (41490)	20.10	20.18	20.12	18.58

		2636.5(41055)	20.07	20.04	20.20	18.64
		2593 (40620)	20.19	20.29	20.10	18.60
		2549.5(40185)	19.90	20.08	19.82	18.57
		2506 (39750)	20.09	20.00	19.96	18.50
	1RB-Low (0)	2680 (41490)	20.16	20.19	19.92	18.42
		2636.5(41055)	20.12	20.08	20.03	18.50
		2593 (40620)	20.09	20.17	20.13	18.42
		2549.5(40185)	19.99	19.88	19.90	18.57
		2506 (39750)	20.06	19.94	20.03	18.40
	50RB-High (50)	2680 (41490)	20.17	20.21	20.23	18.41
		2636.5(41055)	20.07	20.11	20.12	18.34
		2593 (40620)	20.18	20.26	20.22	18.57
		2549.5(40185)	19.95	20.01	19.98	18.41
		2506 (39750)	20.04	20.09	20.10	18.39
	50RB-Middle (25)	2680 (41490)	20.23	20.29	20.29	18.33
		2636.5(41055)	20.17	20.17	20.18	18.35
		2593 (40620)	20.27	20.31	20.26	18.61
		2549.5(40185)	20.02	20.04	20.02	18.62
		2506 (39750)	20.15	20.13	20.16	18.35
	50RB-Low (0)	2680 (41490)	20.14	20.18	20.23	18.68
		2636.5(41055)	20.09	20.08	20.10	18.48
		2593 (40620)	20.14	20.21	20.22	18.68
		2549.5(40185)	19.89	19.95	19.94	18.68
		2506 (39750)	20.05	20.07	20.09	18.58
	100RB (0)	2680 (41490)	20.22	20.22	20.25	18.37
		2636.5(41055)	20.14	20.14	20.13	18.67
		2593 (40620)	20.22	20.27	20.28	18.46
		2549.5(40185)	19.98	20.03	20.00	18.63
		2506 (39750)	20.13	20.14	20.16	18.47

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	21.27	21.35	21.25	18.83
		1745 (132322)	21.22	21.42	21.31	19.01
		1710.7 (131979)	21.20	21.59	21.51	18.98
	1RB-Middle (3)	1779.3 (132665)	21.29	21.46	21.39	19.15
		1745 (132322)	21.57	21.42	21.27	19.00
		1710.7 (131979)	21.44	21.45	21.37	18.94
	1RB-Low (0)	1779.3 (132665)	21.24	21.31	21.46	19.10

		1745 (132322)	21.30	21.54	21.09	19.09
		1710.7 (131979)	21.25	21.59	21.25	19.01
	3RB-High (3)	1779.3 (132665)	21.35	21.25	21.32	19.01
		1745 (132322)	21.30	21.00	21.11	19.03
		1710.7 (131979)	21.39	21.16	21.25	18.87
	3RB-Middle (1)	1779.3 (132665)	21.30	21.28	21.20	18.81
		1745 (132322)	21.37	21.27	21.12	19.20
		1710.7 (131979)	21.39	21.32	21.40	19.18
	3RB-Low (0)	1779.3 (132665)	21.17	21.11	21.10	18.96
		1745 (132322)	21.14	21.03	21.36	19.17
		1710.7 (131979)	21.24	21.25	21.10	18.99
	6RB (0)	1779.3 (132665)	21.00	21.30	21.18	19.19
		1745 (132322)	21.51	21.30	21.16	19.21
		1710.7 (131979)	21.26	21.45	21.37	19.04
3MHz	1RB-High (14)	1778.5 (132657)	21.39	21.62	21.28	19.11
		1745 (132322)	21.27	21.54	21.26	19.01
		1711.5 (131987)	21.26	21.41	21.51	19.08
	1RB-Middle (7)	1778.5 (132657)	21.37	21.56	21.38	19.11
		1745 (132322)	21.56	21.58	21.26	18.90
		1711.5 (131987)	21.54	21.29	21.33	18.98
	1RB-Low (0)	1778.5 (132657)	21.11	21.57	21.38	19.10
		1745 (132322)	21.10	21.35	20.90	19.18
		1711.5 (131987)	21.31	21.53	21.53	18.91
	8RB-High (7)	1778.5 (132657)	21.28	21.26	21.36	18.99
		1745 (132322)	21.09	21.16	21.29	19.15
		1711.5 (131987)	21.35	21.12	21.44	19.11
	8RB-Middle (4)	1778.5 (132657)	21.47	21.34	21.38	19.03
		1745 (132322)	21.40	21.39	21.24	19.10
		1711.5 (131987)	21.22	21.30	21.28	19.04
	8RB-Low (0)	1778.5 (132657)	21.35	21.25	21.07	19.18
		1745 (132322)	21.13	21.10	21.12	18.84
		1711.5 (131987)	21.11	21.26	21.22	18.98
	15RB (0)	1778.5 (132657)	21.24	21.08	21.32	18.87
		1745 (132322)	21.27	21.26	21.08	18.88
		1711.5 (131987)	21.40	21.27	21.13	19.15
5MHz	1RB-High (24)	1777.5 (132647)	21.39	21.50	21.32	18.85
		1745 (132322)	21.14	21.39	21.40	19.20
		1712.5 (131997)	21.21	21.61	21.39	19.02

	1RB-Middle (12)	1777.5 (132647)	21.38	21.54	21.34	19.05
		1745 (132322)	21.59	21.46	21.25	18.82
		1712.5 (131997)	21.46	21.44	21.31	18.81
	1RB-Low (0)	1777.5 (132647)	21.10	21.43	21.33	18.93
		1745 (132322)	21.29	21.44	21.02	19.16
		1712.5 (131997)	21.26	21.59	21.47	18.98
	12RB-High (13)	1777.5 (132647)	21.19	21.20	21.36	18.84
		1745 (132322)	21.12	21.21	21.19	18.85
		1712.5 (131997)	21.41	21.23	21.24	19.14
	12RB-Middle (6)	1777.5 (132647)	21.23	21.30	21.30	19.21
		1745 (132322)	21.26	21.21	21.35	19.12
		1712.5 (131997)	21.45	21.28	21.34	19.21
	12RB-Low (0)	1777.5 (132647)	21.31	21.26	21.06	19.02
		1745 (132322)	21.18	21.12	21.23	19.11
		1712.5 (131997)	21.22	21.19	21.18	18.82
	25RB (0)	1777.5 (132647)	21.18	21.29	21.18	19.11
		1745 (132322)	21.36	21.12	21.30	19.12
		1712.5 (131997)	21.11	21.45	21.33	18.92
10MHz	1RB-High (49)	1775 (132622)	21.33	21.57	21.38	19.09
		1745 (132322)	21.21	21.46	21.24	18.93
		1715 (132022)	21.30	21.43	21.59	19.09
	1RB-Middle (24)	1775 (132622)	21.40	21.54	21.46	18.81
		1745 (132322)	21.53	21.54	21.34	18.79
		1715 (132022)	21.44	21.39	21.23	18.93
	1RB-Low (0)	1775 (132622)	21.19	21.52	21.41	18.82
		1745 (132322)	21.07	21.44	20.95	18.92
		1715 (132022)	21.27	21.55	21.50	18.83
	25RB-High (25)	1775 (132622)	21.28	21.22	21.45	18.89
		1745 (132322)	21.17	21.25	21.30	19.10
		1715 (132022)	21.39	21.14	21.34	18.86
	25RB-Middle (12)	1775 (132622)	21.45	21.42	21.33	18.83
		1745 (132322)	21.33	21.36	21.23	18.92
		1715 (132022)	21.32	21.25	21.28	19.06
	25RB-Low (0)	1775 (132622)	21.32	21.33	21.12	19.17
		1745 (132322)	21.14	21.17	21.21	18.96
		1715 (132022)	21.15	21.34	21.12	19.18
	50RB (0)	1775 (132622)	21.23	21.16	21.25	18.80
		1745 (132322)	21.25	21.35	21.15	18.79
		1715 (132022)	21.34	21.33	21.23	19.03

15MHz	1RB-High (74)	1772.5 (132597)	21.29	21.47	21.32	18.82
		1745 (132322)	21.15	21.38	21.33	19.17
		1717.5 (132047)	21.17	21.60	21.44	19.02
	1RB-Middle (37)	1772.5 (132597)	21.29	21.47	21.38	18.81
		1745 (132322)	21.52	21.37	21.30	19.11
		1717.5 (132047)	21.50	21.52	21.34	18.92
	1RB-Low (0)	1772.5 (132597)	21.18	21.39	21.37	18.87
		1745 (132322)	21.21	21.48	21.10	18.86
		1717.5 (132047)	21.25	21.53	21.43	19.08
	36RB-High (38)	1772.5 (132597)	21.28	21.29	21.40	19.19
		1745 (132322)	21.22	21.15	21.22	18.85
		1717.5 (132047)	21.36	21.22	21.18	19.09
	36RB-Middle (19)	1772.5 (132597)	21.30	21.40	21.29	19.17
		1745 (132322)	21.31	21.31	21.29	19.15
		1717.5 (132047)	21.41	21.29	21.37	19.09
	36RB-Low (0)	1772.5 (132597)	21.33	21.20	21.12	18.86
		1745 (132322)	21.22	21.04	21.28	19.07
		1717.5 (132047)	21.30	21.28	21.12	18.80
	75RB (0)	1772.5 (132597)	21.11	21.20	21.15	19.06
		1745 (132322)	21.41	21.22	21.22	18.92
		1717.5 (132047)	21.19	21.39	21.31	18.88
20MHz	1RB-High (99)	1770 (132572)	21.24	21.50	21.41	18.83
		1745 (132322)	21.17	21.44	21.33	19.07
		1720 (132072)	21.20	21.52	21.49	19.03
	1RB-Middle (50)	1770 (132572)	21.33	21.48	21.44	18.98
		1745 (132322)	21.46	21.44	21.37	18.79
		1720 (132072)	21.41	21.49	21.24	18.86
	1RB-Low (0)	1770 (132572)	21.16	21.49	21.40	18.95
		1745 (132322)	21.16	21.48	21.04	19.11
		1720 (132072)	21.20	21.55	21.45	18.97
	50RB-High (50)	1770 (132572)	21.26	21.26	21.36	18.94
		1745 (132322)	21.22	21.18	21.27	19.07
		1720 (132072)	21.30	21.22	21.27	19.11
	50RB-Middle (25)	1770 (132572)	21.35	21.38	21.39	19.21
		1745 (132322)	21.38	21.29	21.32	19.03
		1720 (132072)	21.37	21.31	21.33	18.94
	50RB-Low (0)	1770 (132572)	21.24	21.25	21.11	19.02
		1745 (132322)	21.20	21.14	21.27	19.19

		1720 (132072)	21.23	21.27	21.20	19.11
	100RB (0)	1770 (132572)	21.21	21.22	21.25	18.85
		1745 (132322)	21.32	21.26	21.25	18.94
		1720 (132072)	21.28	21.29	21.31	19.08

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	24.06	23.64	22.30	18.90
		1745 (132322)	24.10	23.46	22.35	19.10
		1710.7 (131979)	24.21	23.62	22.25	18.92
	1RB-Middle (3)	1779.3 (132665)	24.14	23.67	22.24	19.09
		1745 (132322)	24.30	23.44	22.27	18.96
		1710.7 (131979)	24.28	23.55	22.33	19.20
	1RB-Low (0)	1779.3 (132665)	24.13	23.50	22.27	19.02
		1745 (132322)	24.15	23.36	22.33	19.22
		1710.7 (131979)	24.46	23.39	22.38	18.96
	3RB-High (3)	1779.3 (132665)	24.17	23.31	22.25	18.87
		1745 (132322)	24.12	23.28	22.25	19.06
		1710.7 (131979)	24.16	23.24	22.23	18.98
	3RB-Middle (1)	1779.3 (132665)	24.15	23.28	22.23	18.86
		1745 (132322)	24.14	23.32	22.09	19.10
		1710.7 (131979)	24.21	23.33	22.33	18.89
	3RB-Low (0)	1779.3 (132665)	24.13	23.23	22.07	19.06
		1745 (132322)	24.15	23.30	22.15	19.20
		1710.7 (131979)	24.19	23.35	22.35	19.13
	6RB (0)	1779.3 (132665)	23.18	22.23	21.23	19.13
		1745 (132322)	23.18	22.32	21.25	19.11
		1710.7 (131979)	23.23	22.22	21.30	18.94
3MHz	1RB-High (14)	1778.5 (132657)	24.09	23.33	22.39	19.17
		1745 (132322)	24.06	23.37	22.31	18.90
		1711.5 (131987)	24.19	23.50	22.21	19.03
	1RB-Middle (7)	1778.5 (132657)	24.17	23.57	22.36	18.92
		1745 (132322)	24.14	23.66	22.28	18.93
		1711.5 (131987)	24.25	23.38	22.41	18.90
	1RB-Low (0)	1778.5 (132657)	24.16	23.27	22.09	19.05
		1745 (132322)	24.16	23.33	22.15	18.95
		1711.5 (131987)	24.21	23.56	22.29	19.11
	8RB-High (7)	1778.5 (132657)	23.18	22.16	21.22	19.13

		1745 (132322)	23.25	22.24	21.30	18.91
		1711.5 (131987)	23.31	22.35	21.25	18.93
	8RB-Middle (4)	1778.5 (132657)	23.19	22.27	21.27	18.94
		1745 (132322)	23.25	22.36	21.26	19.15
		1711.5 (131987)	23.30	22.36	21.32	19.21
	8RB-Low (0)	1778.5 (132657)	23.16	22.17	21.19	19.18
		1745 (132322)	23.15	22.27	21.26	18.94
		1711.5 (131987)	23.26	22.40	21.34	18.95
	15RB (0)	1778.5 (132657)	23.15	22.17	21.13	18.88
		1745 (132322)	23.16	22.16	21.18	19.08
		1711.5 (131987)	23.29	22.31	21.32	18.91
5MHz	1RB-High (24)	1777.5 (132647)	24.10	23.53	22.29	19.03
		1745 (132322)	24.11	23.53	22.29	19.02
		1712.5 (131997)	24.19	23.45	22.30	19.06
	1RB-Middle (12)	1777.5 (132647)	24.08	23.49	22.48	19.20
		1745 (132322)	24.13	23.55	22.49	19.15
		1712.5 (131997)	24.19	23.59	22.44	19.17
	1RB-Low (0)	1777.5 (132647)	24.04	23.42	22.17	19.07
		1745 (132322)	24.10	23.36	22.31	19.02
		1712.5 (131997)	24.08	23.47	22.09	19.15
	12RB-High (13)	1777.5 (132647)	23.22	22.26	21.23	19.11
		1745 (132322)	23.29	22.32	21.22	18.97
		1712.5 (131997)	23.26	22.34	21.30	19.09
	12RB-Middle (6)	1777.5 (132647)	23.19	22.26	21.21	19.22
		1745 (132322)	23.14	22.22	21.14	19.10
		1712.5 (131997)	23.30	22.28	21.34	18.97
	12RB-Low (0)	1777.5 (132647)	23.09	22.17	21.16	19.07
		1745 (132322)	23.09	22.18	21.24	19.04
		1712.5 (131997)	23.33	22.36	21.27	18.97
	25RB (0)	1777.5 (132647)	23.21	22.22	21.26	18.95
		1745 (132322)	23.18	22.20	21.13	19.13
		1712.5 (131997)	23.30	22.29	21.32	19.09
10MHz	1RB-High (49)	1775 (132622)	24.10	23.58	22.20	19.13
		1745 (132322)	24.15	23.95	22.14	18.92
		1715 (132022)	24.12	23.40	22.41	19.05
	1RB-Middle (24)	1775 (132622)	24.11	23.40	22.35	18.87
		1745 (132322)	24.19	23.40	22.30	18.99
		1715 (132022)	24.18	23.62	22.22	18.88

	1RB-Low (0)	1775 (132622)	24.19	23.45	22.16	19.16
		1745 (132322)	24.11	23.57	22.21	18.96
		1715 (132022)	24.14	23.56	22.17	18.95
	25RB-High (25)	1775 (132622)	23.25	22.27	21.29	18.86
		1745 (132322)	23.21	22.23	21.25	19.07
		1715 (132022)	23.29	22.30	21.28	18.92
	25RB-Middle (12)	1775 (132622)	23.23	22.27	21.30	18.97
		1745 (132322)	23.26	22.22	21.15	19.12
		1715 (132022)	23.37	22.34	21.33	19.05
	25RB-Low (0)	1775 (132622)	23.17	22.17	21.21	18.92
		1745 (132322)	23.15	22.28	21.26	19.09
		1715 (132022)	23.26	22.24	21.26	19.06
	50RB (0)	1775 (132622)	23.27	22.37	21.28	19.00
		1745 (132322)	23.16	22.30	21.19	19.11
		1715 (132022)	23.34	22.35	21.36	18.87
15MHz	1RB-High (74)	1772.5 (132597)	23.95	23.22	22.00	19.18
		1745 (132322)	23.81	23.46	21.97	18.88
		1717.5 (132047)	23.97	23.51	22.08	19.20
	1RB-Middle (37)	1772.5 (132597)	23.84	23.07	22.08	19.20
		1745 (132322)	23.94	23.48	22.11	19.07
		1717.5 (132047)	23.87	23.47	22.11	19.11
	1RB-Low (0)	1772.5 (132597)	23.88	23.28	22.01	19.03
		1745 (132322)	23.89	23.28	21.86	19.19
		1717.5 (132047)	24.09	23.43	22.16	19.07
	36RB-High (38)	1772.5 (132597)	23.03	22.13	21.09	19.20
		1745 (132322)	23.10	22.10	21.06	19.19
		1717.5 (132047)	22.94	22.06	21.07	18.87
	36RB-Middle (19)	1772.5 (132597)	23.06	21.99	21.16	19.03
		1745 (132322)	23.06	21.93	20.94	19.16
		1717.5 (132047)	23.12	22.07	21.16	19.13
	36RB-Low (0)	1772.5 (132597)	23.04	22.08	20.85	19.04
		1745 (132322)	22.93	21.96	21.03	19.19
		1717.5 (132047)	23.04	22.07	21.03	18.99
	75RB (0)	1772.5 (132597)	23.13	22.09	21.08	18.89
		1745 (132322)	23.01	21.95	20.97	18.87
		1717.5 (132047)	23.09	22.12	21.13	18.93
20MHz	1RB-High (99)	1770 (132572)	24.06	23.39	22.07	18.87
		1745 (132322)	23.92	23.29	21.86	19.19

		1720 (132072)	23.87	23.08	22.04	18.87
	1RB-Middle (50)	1770 (132572)	23.88	23.90	22.05	19.22
		1745 (132322)	24.28	23.23	22.82	18.89
		1720 (132072)	23.96	23.60	22.95	19.15
	1RB-Low (0)	1770 (132572)	24.01	23.39	22.07	18.93
		1745 (132322)	24.27	23.31	22.17	19.02
		1720 (132072)	23.93	23.30	21.92	19.14
	50RB-High (50)	1770 (132572)	23.13	22.17	21.05	18.92
		1745 (132322)	23.03	22.07	21.00	18.98
		1720 (132072)	23.02	22.12	21.03	19.10
	50RB-Middle (25)	1770 (132572)	23.12	22.13	21.09	18.87
		1745 (132322)	23.16	21.99	21.09	18.91
		1720 (132072)	23.15	22.17	21.16	18.86
	50RB-Low (0)	1770 (132572)	22.92	21.95	21.08	19.10
		1745 (132322)	23.07	21.95	20.88	19.13
		1720 (132072)	23.10	21.99	21.09	19.10
	100RB (0)	1770 (132572)	23.09	22.09	21.08	18.98
		1745 (132322)	23.01	22.00	21.03	19.14
		1720 (132072)	23.11	22.18	21.12	19.11

LTE B66 ANT1 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	20.36	20.79	20.51	19.18
		1745 (132322)	20.28	20.63	20.44	18.95
		1710.7 (131979)	20.27	20.60	20.28	18.88
	1RB-Middle (3)	1779.3 (132665)	20.22	20.65	20.70	19.02
		1745 (132322)	20.35	20.37	20.35	18.87
		1710.7 (131979)	20.17	20.16	20.55	18.88
	1RB-Low (0)	1779.3 (132665)	20.23	20.31	20.37	19.21
		1745 (132322)	20.30	20.43	20.46	18.89
		1710.7 (131979)	20.23	20.66	20.50	19.15
	3RB-High (3)	1779.3 (132665)	20.37	20.17	20.47	19.17
		1745 (132322)	20.23	20.35	20.41	18.97
		1710.7 (131979)	20.22	20.09	20.11	19.20
	3RB-Middle (1)	1779.3 (132665)	20.31	20.39	20.45	18.95
		1745 (132322)	20.32	20.30	20.54	19.12
		1710.7 (131979)	20.43	20.33	20.29	18.92
	3RB-Low (0)	1779.3 (132665)	20.25	20.40	20.37	19.03
		1745 (132322)	20.12	20.13	20.29	18.92

		1710.7 (131979)	20.17	20.32	20.34	19.21
	6RB (0)	1779.3 (132665)	20.19	20.29	20.16	19.16
		1745 (132322)	20.49	20.28	20.27	19.07
		1710.7 (131979)	20.39	20.24	20.39	19.19
3MHz	1RB-High (14)	1778.5 (132657)	20.23	20.82	20.66	19.12
		1745 (132322)	20.05	20.42	20.47	19.16
		1711.5 (131987)	20.04	20.57	20.42	18.94
	1RB-Middle (7)	1778.5 (132657)	20.41	20.44	20.54	19.12
		1745 (132322)	20.32	20.59	20.10	19.08
		1711.5 (131987)	20.09	20.10	20.43	18.86
	1RB-Low (0)	1778.5 (132657)	20.16	20.43	20.32	18.93
		1745 (132322)	20.34	20.42	20.32	18.97
		1711.5 (131987)	20.12	20.71	20.38	19.06
	8RB-High (7)	1778.5 (132657)	20.38	20.33	20.36	18.94
		1745 (132322)	20.40	20.34	20.26	19.14
		1711.5 (131987)	20.13	20.06	20.25	19.20
	8RB-Middle (4)	1778.5 (132657)	20.43	20.17	20.43	19.14
		1745 (132322)	20.23	20.34	20.29	19.05
		1711.5 (131987)	20.28	20.42	20.42	19.19
	8RB-Low (0)	1778.5 (132657)	20.25	20.38	20.21	19.16
		1745 (132322)	20.09	20.18	20.27	19.01
		1711.5 (131987)	20.21	20.46	20.30	19.05
	15RB (0)	1778.5 (132657)	20.35	20.18	20.15	18.86
		1745 (132322)	20.42	20.27	20.20	19.20
		1711.5 (131987)	20.33	20.29	20.28	19.19
5MHz	1RB-High (24)	1777.5 (132647)	20.14	20.86	20.47	18.87
		1745 (132322)	20.33	20.49	20.30	19.00
		1712.5 (131997)	20.13	20.63	20.45	18.89
	1RB-Middle (12)	1777.5 (132647)	20.14	20.50	20.64	18.92
		1745 (132322)	20.19	20.52	20.29	19.14
		1712.5 (131997)	20.20	20.25	20.48	18.91
	1RB-Low (0)	1777.5 (132647)	20.31	20.35	20.29	18.92
		1745 (132322)	20.22	20.59	20.46	19.02
		1712.5 (131997)	20.06	20.78	20.63	19.14
	12RB-High (13)	1777.5 (132647)	20.55	20.26	20.53	19.14
		1745 (132322)	20.47	20.34	20.27	19.09
		1712.5 (131997)	20.28	20.06	20.19	19.07
	12RB-Middle (6)	1777.5 (132647)	20.37	20.36	20.57	19.06

		1745 (132322)	20.26	20.51	20.28	19.04
		1712.5 (131997)	20.31	20.31	20.19	18.99
	12RB-Low (0)	1777.5 (132647)	20.27	20.28	20.39	19.04
		1745 (132322)	19.96	20.27	20.37	18.93
		1712.5 (131997)	20.20	20.28	20.27	18.96
	25RB (0)	1777.5 (132647)	20.11	20.29	20.13	19.13
		1745 (132322)	20.40	20.24	20.35	18.95
		1712.5 (131997)	20.49	20.23	20.28	19.05
10MHz	1RB-High (49)	1775 (132622)	20.32	20.85	20.50	19.20
		1745 (132322)	20.10	20.49	20.46	19.06
		1715 (132022)	20.15	20.58	20.43	18.98
	1RB-Middle (24)	1775 (132622)	20.26	20.59	20.47	18.96
		1745 (132322)	20.19	20.62	20.31	18.98
		1715 (132022)	20.21	20.20	20.68	19.05
	1RB-Low (0)	1775 (132622)	20.29	20.37	20.24	19.07
		1745 (132322)	20.24	20.46	20.42	19.20
		1715 (132022)	20.12	20.78	20.54	19.10
	25RB-High (25)	1775 (132622)	20.48	20.26	20.34	19.07
		1745 (132322)	20.36	20.32	20.23	19.18
		1715 (132022)	20.08	20.08	20.10	19.08
	25RB-Middle (12)	1775 (132622)	20.30	20.41	20.40	18.95
		1745 (132322)	20.38	20.34	20.39	19.07
		1715 (132022)	20.28	20.42	20.26	18.94
	25RB-Low (0)	1775 (132622)	20.22	20.23	20.29	19.19
		1745 (132322)	20.07	20.15	20.26	19.08
		1715 (132022)	20.19	20.39	20.33	19.14
	50RB (0)	1775 (132622)	20.29	20.19	20.21	18.95
		1745 (132322)	20.26	20.28	20.36	18.94
		1715 (132022)	20.31	20.26	20.45	18.98
15MHz	1RB-High (74)	1772.5 (132597)	20.20	20.83	20.56	19.14
		1745 (132322)	20.29	20.46	20.38	19.15
		1717.5 (132047)	20.14	20.64	20.41	18.91
	1RB-Middle (37)	1772.5 (132597)	20.17	20.57	20.56	19.20
		1745 (132322)	20.26	20.49	20.24	18.87
		1717.5 (132047)	20.11	20.27	20.58	18.93
	1RB-Low (0)	1772.5 (132597)	20.30	20.42	20.31	19.00
		1745 (132322)	20.22	20.49	20.42	18.98
		1717.5 (132047)	20.13	20.80	20.53	18.96

	36RB-High (38)	1772.5 (132597)	20.48	20.31	20.47	18.98
		1745 (132322)	20.38	20.27	20.25	18.91
		1717.5 (132047)	20.25	20.04	20.09	18.91
	36RB-Middle (19)	1772.5 (132597)	20.30	20.34	20.49	19.02
		1745 (132322)	20.33	20.44	20.36	18.94
		1717.5 (132047)	20.32	20.33	20.25	19.14
	36RB-Low (0)	1772.5 (132597)	20.24	20.27	20.29	19.08
		1745 (132322)	20.04	20.28	20.27	18.93
		1717.5 (132047)	20.22	20.35	20.35	19.12
	75RB (0)	1772.5 (132597)	20.17	20.34	20.18	18.88
		1745 (132322)	20.41	20.28	20.30	19.15
		1717.5 (132047)	20.44	20.22	20.35	18.93
20MHz	1RB-High (99)	1770 (132572)	20.23	20.78	20.57	19.02
		1745 (132322)	20.19	20.55	20.47	19.04
		1720 (132072)	20.17	20.68	20.44	18.97
	1RB-Middle (50)	1770 (132572)	20.27	20.55	20.57	19.14
		1745 (132322)	20.28	20.59	20.21	19.12
		1720 (132072)	20.19	20.28	20.58	19.05
	1RB-Low (0)	1770 (132572)	20.20	20.38	20.32	18.89
		1745 (132322)	20.27	20.41	20.43	18.88
		1720 (132072)	20.21	20.72	20.44	18.92
	50RB-High (50)	1770 (132572)	20.40	20.32	20.37	19.04
		1745 (132322)	20.30	20.27	20.30	19.10
		1720 (132072)	20.16	20.08	20.11	18.94
	50RB-Middle (25)	1770 (132572)	20.39	20.34	20.43	18.90
		1745 (132322)	20.42	20.35	20.36	19.11
		1720 (132072)	20.33	20.34	20.35	19.16
	50RB-Low (0)	1770 (132572)	20.27	20.25	20.21	19.05
		1745 (132322)	20.08	20.23	20.29	19.08
		1720 (132072)	20.22	20.29	20.33	19.04
	100RB (0)	1770 (132572)	20.27	20.28	20.28	18.89
		1745 (132322)	20.34	20.32	20.33	18.94
		1720 (132072)	20.31	20.29	20.40	19.17

LTE B71 ANT1 DSI0/1/2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	695.5 (133447)	23.40	22.34	21.38	18.81
		680.5 (133297)	23.12	22.50	21.27	18.69

		665.5 (133147)	23.06	22.36	21.38	18.79
	1RB-Middle (12)	695.5 (133447)	23.23	22.55	21.69	18.78
		680.5 (133297)	23.62	22.75	21.38	18.80
		665.5 (133147)	23.11	22.39	21.35	18.77
	1RB-Low (0)	695.5 (133447)	23.29	22.75	21.47	18.78
		680.5 (133297)	23.45	22.48	21.46	18.71
		665.5 (133147)	23.19	22.51	21.41	18.76
	12RB-High (13)	695.5 (133447)	21.78	20.83	19.74	18.74
		680.5 (133297)	22.33	21.46	20.14	18.70
		665.5 (133147)	21.81	21.37	19.69	18.73
	12RB-Middle (6)	695.5 (133447)	22.47	21.37	20.43	18.67
		680.5 (133297)	22.38	21.38	20.43	18.78
		665.5 (133147)	22.31	21.23	20.19	18.74
	12RB-Low (0)	695.5 (133447)	22.12	20.98	19.60	18.81
		680.5 (133297)	22.39	20.85	19.92	18.71
		665.5 (133147)	22.32	20.49	19.91	18.76
	25RB (0)	695.5 (133447)	22.47	21.34	20.33	18.76
		680.5 (133297)	22.23	21.36	20.41	18.76
		665.5 (133147)	22.34	21.52	20.43	18.68
10MHz	1RB-High (49)	693 (133422)	23.39	22.40	21.47	18.66
		680.5 (133297)	23.14	22.41	21.36	18.81
		668 (133172)	23.00	22.29	21.31	18.79
	1RB-Middle (24)	693 (133422)	23.23	22.72	21.73	18.72
		680.5 (133297)	23.66	22.79	21.25	18.75
		668 (133172)	23.15	22.54	21.21	18.74
	1RB-Low (0)	693 (133422)	23.20	22.71	21.66	18.80
		680.5 (133297)	23.41	22.37	21.31	18.76
		668 (133172)	23.19	22.54	21.55	18.70
	25RB-High (25)	693 (133422)	21.88	20.80	19.70	18.70
		680.5 (133297)	22.35	21.39	20.14	18.77
		668 (133172)	21.85	21.29	19.92	18.76
	25RB-Middle (12)	693 (133422)	22.52	21.37	20.50	18.80
		680.5 (133297)	22.45	21.44	20.40	18.77
		668 (133172)	22.31	21.24	20.30	18.71
	25RB-Low (0)	693 (133422)	22.27	21.05	19.61	18.70
		680.5 (133297)	22.25	20.91	19.96	18.67
		668 (133172)	22.38	20.57	19.91	18.70
	50RB (0)	693 (133422)	22.46	21.19	20.33	18.82
		680.5 (133297)	22.23	21.34	20.46	18.75

		668 (133172)	22.22	21.30	20.43	18.74
15MHz	1RB-High (74)	690.5 (133397)	23.37	22.30	21.42	18.75
		680.5 (133297)	23.16	22.44	21.35	18.81
		670.5 (133197)	23.00	22.43	21.44	18.81
	1RB-Middle (37)	690.5 (133397)	23.24	22.65	21.66	18.81
		680.5 (133297)	23.68	22.84	21.35	18.78
		670.5 (133197)	23.10	22.43	21.29	18.66
	1RB-Low (0)	690.5 (133397)	23.22	22.81	21.54	18.75
		680.5 (133297)	23.35	22.44	21.45	18.69
		670.5 (133197)	23.24	22.47	21.39	18.68
	36RB-High (38)	690.5 (133397)	21.86	20.78	19.81	18.72
		680.5 (133297)	22.23	21.43	20.16	18.80
		670.5 (133197)	21.84	21.34	19.79	18.71
	36RB-Middle (19)	690.5 (133397)	22.46	21.46	20.44	18.78
		680.5 (133297)	22.35	21.29	20.42	18.73
		670.5 (133197)	22.26	21.26	20.28	18.76
	36RB-Low (0)	690.5 (133397)	22.15	21.01	19.63	18.81
		680.5 (133297)	22.33	20.80	20.02	18.68
		670.5 (133197)	22.39	20.54	19.87	18.79
	75RB (0)	690.5 (133397)	22.44	21.37	20.30	18.76
		680.5 (133297)	22.27	21.30	20.42	18.68
		670.5 (133197)	22.37	21.47	20.40	18.77
20MHz	1RB-High (99)	688 (133372)	23.33	22.37	21.41	18.77
		683 (133322)	23.15	22.34	21.44	18.66
		673 (133222)	23.07	22.38	21.35	18.78
	1RB-Middle (50)	688 (133372)	23.27	22.65	21.66	18.82
		683 (133322)	23.71	22.80	21.33	18.68
		673 (133222)	23.15	22.44	21.29	18.77
	1RB-Low (0)	688 (133372)	23.26	22.72	21.56	18.77
		683 (133322)	23.36	22.38	21.39	18.73
		673 (133222)	23.21	22.47	21.47	18.81
	50RB-High (50)	688 (133372)	21.95	20.84	19.74	18.76
		683 (133322)	22.29	21.44	20.22	18.66
		673 (133222)	21.82	21.33	19.89	18.67
	50RB-Middle (25)	688 (133372)	22.44	21.43	20.51	18.81
		683 (133322)	22.45	21.37	20.35	18.77
		673 (133222)	22.35	21.31	20.33	18.67
	50RB-Low (0)	688 (133372)	22.19	21.09	19.70	18.77

		683 (133322)	22.23	20.86	20.03	18.80
		673 (133222)	22.34	20.62	19.86	18.75
	100RB (0)	688 (133372)	22.37	21.28	20.38	18.76
		683 (133322)	22.28	21.36	20.41	18.77
		673 (133222)	22.32	21.37	20.42	18.80

11.4 NR Measurement result

NR N25 ANT1 DSI0

No.	Test Freq Description	5G-n25							Tune up	Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n25
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1912.5	382500	22.00	21.12
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1882.5	376500	22.00	21.34
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	22.00	21.22
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1895	379000	22.00	21.05
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1882.5	376500	22.00	21.26
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1870	374000	22.00	20.98

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

No.	Test Freq Description	5G-n25							Tune up	Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n25
1	Middle	15	40	DFT-s-OFDM PI/2 BPSK1	Inner_Full	108_54	1882.5	376500	22.00	20.89
2	Middle	15	40	DFT-s-OFDM 16QAM	Inner_Full	108_54	1882.5	376500	22.00	21.01
3	Middle	15	40	DFT-s-OFDM 64QAM	Inner_Full	108_54	1882.5	376500	22.00	20.94
4	Middle	15	40	DFT-s-OFDM 256QAM	Inner_Full	108_54	1882.5	376500	21.00	19.16
5	Middle	15	40	CP-OFDM QPSK	Inner_Full	108_54	1882.5	376500	22.00	21.15
6	Middle	15	40	CP-OFDM 16QAM	Inner_Full	108_54	1882.5	376500	22.00	21.09
7	Middle	15	40	CP-OFDM 64QAM	Inner_Full	108_54	1882.5	376500	22.00	20.20
8	Middle	15	40	CP-OFDM 256QAM	Inner_Full	108_54	1882.5	376500	19.00	17.17
9	Middle	15	40	DFT-s-OFDM QPSK	Edge_Full_Right	2_214	1882.5	376500	22.00	20.94
10	Middle	15	40	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1882.5	376500	22.00	20.88
14	Middle	15	40	DFT-s-OFDM QPSK	Edge_1RB_Right	1_215	1882.5	376500	22.00	20.95
15	Middle	15	40	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1882.5	376500	22.00	21.01
11	Middle	15	40	DFT-s-OFDM QPSK	Inner_1RB_Right	1_214	1882.5	376500	22.00	21.05
12	Middle	15	40	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1882.5	376500	22.00	21.03
13	Middle	15	40	DFT-s-OFDM QPSK	Outer_Full	216_0	1882.5	376500	22.00	20.91
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1882.5	376500	22.00	21.11
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1882.5	376500	22.00	20.85
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1882.5	376500	22.00	20.88
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64_32	1882.5	376500	22.00	20.91
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1882.5	376500	22.00	20.87

NR N25 ANT1 DSI1

No.	Test Freq Description	5G-n25							Tune up	Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n25
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1912.5	382500	25.00	23.61
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1882.5	376500	25.00	23.88
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	25.00	23.81
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1895	379000	25.00	23.56
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1882.5	376500	25.00	23.87
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1870	374000	25.00	23.50

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

No.	Test Freq Description	5G-n25							Tune up	Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n25
1	Middle	15	40	DFT-s-OFDM PI/2 BPSK1	Inner_Full	108_54	1882.5	376500	25.00	23.38
2	Middle	15	40	DFT-s-OFDM 16QAM	Inner_Full	108_54	1882.5	376500	24.00	22.46
3	Middle	15	40	DFT-s-OFDM 64QAM	Inner_Full	108_54	1882.5	376500	22.50	20.94
4	Middle	15	40	DFT-s-OFDM 256QAM	Inner_Full	108_54	1882.5	376500	20.50	19.16
5	Middle	15	40	CP-OFDM QPSK	Inner_Full	108_54	1882.5	376500	23.50	22.02
6	Middle	15	40	CP-OFDM 16QAM	Inner_Full	108_54	1882.5	376500	23.00	21.55
7	Middle	15	40	CP-OFDM 64QAM	Inner_Full	108_54	1882.5	376500	21.50	20.22
8	Middle	15	40	CP-OFDM 256QAM	Inner_Full	108_54	1882.5	376500	18.50	17.12
9	Middle	15	40	DFT-s-OFDM QPSK	Edge_Full_Right	2_214	1882.5	376500	24.00	22.47
10	Middle	15	40	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1882.5	376500	24.00	22.46
14	Middle	15	40	DFT-s-OFDM QPSK	Edge_1RB_Right	1_215	1882.5	376500	23.00	22.50
15	Middle	15	40	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1882.5	376500	24.00	22.55
11	Middle	15	40	DFT-s-OFDM QPSK	Inner_1RB_Right	1_214	1882.5	376500	25.00	23.49
12	Middle	15	40	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1882.5	376500	25.00	23.56
13	Middle	15	40	DFT-s-OFDM QPSK	Outer_Full	216_0	1882.5	376500	25.00	23.43
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1882.5	376500	25.00	23.69
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1882.5	376500	25.00	23.43
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1882.5	376500	25.00	23.44
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64_32	1882.5	376500	25.00	23.41
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1882.5	376500	25.00	23.46

NR N25 ANT1 DSI2

No.	Test Freq Description	5G-n25							Tune up	Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n25
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1912.5	382500	21.00	20.08
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1882.5	376500	21.00	20.37
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	21.00	20.34
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1895	379000	21.00	20.10
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1882.5	376500	21.00	20.35
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1870	374000	21.00	20.15

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

No.	Test Freq Description	5G-n25							Tune up	Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n25
1	Middle	15	40	DFT-s-OFDM PI/2 BPSK1	Inner_Full	108_54	1882.5	376500	21.00	20.01
2	Middle	15	40	DFT-s-OFDM 16QAM	Inner_Full	108_54	1882.5	376500	21.00	20.11
3	Middle	15	40	DFT-s-OFDM 64QAM	Inner_Full	108_54	1882.5	376500	21.00	20.11
4	Middle	15	40	DFT-s-OFDM 256QAM	Inner_Full	108_54	1882.5	376500	21.00	19.09
5	Middle	15	40	CP-OFDM QPSK	Inner_Full	108_54	1882.5	376500	21.00	20.23
6	Middle	15	40	CP-OFDM 16QAM	Inner_Full	108_54	1882.5	376500	21.00	20.14
7	Middle	15	40	CP-OFDM 64QAM	Inner_Full	108_54	1882.5	376500	21.00	20.18
8	Middle	15	40	CP-OFDM 256QAM	Inner_Full	108_54	1882.5	376500	18.00	17.12
9	Middle	15	40	DFT-s-OFDM QPSK	Edge_Full_Right	2_214	1882.5	376500	21.00	20.00
10	Middle	15	40	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1882.5	376500	21.00	20.04
14	Middle	15	40	DFT-s-OFDM QPSK	Edge_1RB_Right	1_215	1882.5	376500	21.00	20.12
15	Middle	15	40	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1882.5	376500	21.00	20.08
11	Middle	15	40	DFT-s-OFDM QPSK	Inner_1RB_Right	1_214	1882.5	376500	21.00	20.10
12	Middle	15	40	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1882.5	376500	21.00	20.16
13	Middle	15	40	DFT-s-OFDM QPSK	Outer_Full	216_0	1882.5	376500	21.00	20.08
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1882.5	376500	21.00	20.29
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1882.5	376500	21.00	20.06
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1882.5	376500	21.00	20.09
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64_32	1882.5	376500	21.00	20.12
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1882.5	376500	21.00	20.11

NR N41 ANT1 DSI0

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	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2685	537000	23.00	21.35
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2639	527799	23.00	21.53
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2592.99	518598	23.00	22.12
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2555.02	509406	23.00	21.98
5	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2501.01	500205	23.00	22.07
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	23.00	21.62
7	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	23.00	21.79
8	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	23.00	21.93

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 (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n41
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2592.99	518598	23.00	21.75
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	23.00	21.69
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	23.00	21.87
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	23.00	21.33
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	2592.99	518598	23.00	21.91
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	23.00	22.07
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	23.00	22.01
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	20.00	19.23
9	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	2592.99	518598	23.00	21.81
10	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	23.00	21.76
11	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	2592.99	518598	23.00	21.73
12	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	23.00	21.78
13	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	2592.99	518598	23.00	21.79
14	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	23.00	21.86
15	Middle	30	10	DFT-s-OFDM QPSK	Outer_Full	24_0	2592.99	518598	23.00	21.92
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	2592.99	518598	23.00	21.62
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	23.00	21.58
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	23.00	21.66
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2618.67	523734	23.00	21.51
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	23.00	22.03
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	23.00	22.01
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2654.97	530994	23.00	21.85
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2649.99	529998	23.00	21.82
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2644.98	528996	23.00	21.88

NR N41 ANT1 DSI1

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	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2685	537000	27.00	25.58
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2639	527799	27.00	25.62
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2592.99	518598	27.00	26.18
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2555.02	509406	27.00	26.12
5	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2501.01	500205	27.00	26.14
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	27.00	25.70
7	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	27.00	25.81
8	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	27.00	26.02

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 (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n41
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2592.99	518598	27.00	25.89
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	26.00	25.40
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	24.50	23.95
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	22.50	21.86
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	2592.99	518598	25.50	25.03
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	25.00	24.73
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	23.50	23.02
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	20.50	19.82
9	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	2592.99	518598	23.50	22.85
10	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	23.50	22.81
11	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	2592.99	518598	23.50	22.80
12	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	23.50	22.84
13	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	2592.99	518598	27.00	25.89
14	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	27.00	25.98
15	Middle	30	10	DFT-s-OFDM QPSK	Outer_Full	24_0	2592.99	518598	27.00	25.56
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	2592.99	518598	27.00	25.70
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	27.00	25.73
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	27.00	25.68
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2618.67	523734	27.00	25.63
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	27.00	25.82
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	27.00	25.86
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2654.97	530994	27.00	25.64
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2649.99	529998	27.00	25.72
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2644.98	528996	27.00	25.78

NR N41 ANT1 DSI2

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	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2685	537000	19.00	18.32
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2639	527799	19.00	18.42
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2592.99	518598	19.00	18.41
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2555.02	509406	19.00	17.77
5	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2501.01	500205	19.00	17.87
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	19.00	17.82
7	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	19.00	18.16
8	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	19.00	18.04

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 (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n41
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2592.99	518598	19.00	17.89
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	19.00	17.59
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	19.00	17.84
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	19.00	17.75
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	2592.99	518598	19.00	17.86
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	19.00	17.82
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	19.00	17.84
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	19.00	17.17
9	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	2592.99	518598	19.00	17.57
10	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	19.00	17.86
11	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	2592.99	518598	19.00	17.61
12	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	19.00	17.57
13	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	2592.99	518598	19.00	17.71
14	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	19.00	17.66
15	Middle	30	10	DFT-s-OFDM QPSK	Outer_Full	24_0	2592.99	518598	19.00	17.96
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	2592.99	518598	19.00	17.67
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	19.00	17.44
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	19.00	17.63
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2618.67	523734	19.00	17.53
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	19.00	18.03
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	19.00	17.80
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2654.97	530994	19.00	18.17
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2649.99	529998	19.00	17.99
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2644.98	528996	19.00	17.91

NR N66 ANT1 DSI0

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	22.00	21.16
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	22.00	21.52
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	22.00	21.17
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	22.00	21.06
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	22.00	21.02
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	22.00	20.94

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	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	22.00	21.16
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.00	21.25
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.00	21.43
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	20.00	19.40
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	22.00	21.36
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.00	21.45
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.00	20.49
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	19.00	17.40
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	22.00	21.19
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	22.00	21.17
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	22.00	21.20
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	22.00	21.26
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	22.00	21.20
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	22.00	21.25
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	22.00	21.21
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	22.00	21.20
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	22.00	21.01
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	22.00	21.03
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	22.00	21.02
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	22.00	21.02

NR N66 ANT1 DSI1

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	25.00	23.71
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	25.00	23.78
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	25.00	23.77
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	25.00	23.66
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	25.00	23.59
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	25.00	23.52

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	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	25.00	23.76
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	24.00	22.83
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.50	21.36
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	20.50	19.41
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	23.50	22.42
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	23.00	22.04
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.50	20.48
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.50	17.37
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	24.00	22.75
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	24.00	22.78
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	24.00	22.81
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	24.00	22.85
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	25.00	23.61
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	25.00	23.64
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	24.00	22.78
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	25.00	23.75
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	25.00	23.51
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	25.00	23.57
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	25.00	23.60
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	25.00	23.62

NR N66 ANT1 DSI2

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	21.00	20.23
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	21.00	20.46
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	21.00	20.21
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	21.00	20.20
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	21.00	20.21
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	21.00	20.16

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	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	21.00	20.34
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	21.00	20.38
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.00	20.43
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	21.00	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	21.00	20.43
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	21.00	20.35
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.00	20.44
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.00	17.41
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	21.00	20.24
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	21.00	20.30
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	21.00	20.34
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	21.00	20.36
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	21.00	20.31
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	21.00	20.30
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	21.00	20.36
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	21.00	20.33
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	21.00	20.09
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	21.00	20.11
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	21.00	20.15
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	21.00	20.13

NR N71 ANT1 DSI0/1/2

No.	Test Freq Description	5G-n71								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n71
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	695.5	139100	24.00	23.24
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	680.5	136100	24.00	23.37
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	665.5	133100	24.00	23.28
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	688	137600	24.00	23.28
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	680.5	136100	24.00	23.24
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	673	134600	24.00	23.12

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

No.	Test Freq Description	5G-n71								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n71
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	680.5	136100	24.00	23.23
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	680.5	136100	23.00	22.24
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	680.5	136100	21.50	20.86
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	680.5	136100	19.50	18.61
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	680.5	136100	22.50	21.86
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	680.5	136100	22.00	21.45
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	680.5	136100	20.50	19.60
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	680.5	136100	17.50	16.57
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	680.5	136100	23.00	22.42
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	680.5	136100	23.00	22.30
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	680.5	136100	23.00	22.46
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	680.5	136100	23.00	22.32
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	680.5	136100	24.00	23.31
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	680.5	136100	24.00	23.36
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	680.5	136100	23.00	22.30
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	680.5	136100	24.00	23.28
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	680.5	136100	24.00	22.98

11.5 Wi-Fi and BT Measurement result

The maximum output power of BT antenna is 10.05dBm.
The maximum tune up of BT antenna is 12dBm.

WIFI2.4G-standalone

FCC			tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	20.17	21.00
	6(2437(MHz)	20.19	21.00
	1(2412MHz)	20.18	21.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	19.66	20.00
	6(2437(MHz)	19.34	20.00
	1(2412MHz)	19.33	20.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	19.50	20.00
	6(2437(MHz)	19.18	20.00
	1(2412MHz)	19.17	20.00
802.11n-40MHz	Channel\data	MCS0	
WLAN2450	9(2452MHz)	16.40	18.00
	6(2437MHz)	16.19	18.00
	3(2422MHz)	16.54	18.00

WIFI2.4G-WWAN+WIFI

FCC			tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	14.62	16.00
	6(2437(MHz)	14.67	16.00
	1(2412MHz)	14.15	16.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	14.50	15.00
	6(2437(MHz)	14.11	15.00
	1(2412MHz)	14.25	15.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	14.34	15.00
	6(2437(MHz)	13.93	15.00
	1(2412MHz)	14.06	15.00
802.11n-40MHz	Channel\data	MCS0	
WLAN2450	9(2452MHz)	12.90	13.00
	6(2437MHz)	12.67	13.00
	3(2422MHz)	11.52	13.00

WIFI5G-standalone

802.11a(dBm)		
Channel\data rate	6Mbps	tune up
36(5180 MHz)	18.46	20.00
40(5200 MHz)	18.63	20.00
44(5220 MHz)	18.78	20.00
48(5240 MHz)	18.72	20.00
52(5260 MHz)	18.79	20.00
56(5280 MHz)	18.84	20.00
60(5300 MHz)	18.90	20.00
64(5320 MHz)	18.82	20.00
100(5500 MHz)	18.73	20.00
104(5520 MHz)	18.67	20.00
108(5540 MHz)	18.51	20.00
112(5560 MHz)	18.46	20.00
116(5580 MHz)	18.33	20.00
120(5600 MHz)	18.55	20.00
124(5620 MHz)	18.52	20.00
128(5640 MHz)	18.71	20.00
132(5660 MHz)	18.72	20.00
136(5680 MHz)	18.65	20.00
140(5700 MHz)	18.38	20.00
144(5720 MHz)	18.33	20.00
149(5745 MHz)	18.18	20.00
153(5765 MHz)	18.62	20.00
157(5785 MHz)	18.59	20.00
161(5805 MHz)	18.45	20.00
165(5825 MHz)	18.22	20.00

WIFI5G- WWAN+WIFI

802.11a(dBm)		
Channel\data rate	6Mbps	tune up
36(5180 MHz)	14.36	15.00
40(5200 MHz)	14.53	15.00
44(5220 MHz)	14.64	15.00
48(5240 MHz)	14.63	15.00
52(5260 MHz)	14.77	15.00
56(5280 MHz)	14.85	15.00
60(5300 MHz)	14.90	15.00
64(5320 MHz)	14.83	15.00
100(5500 MHz)	14.95	15.00
104(5520 MHz)	14.94	15.00
108(5540 MHz)	14.78	15.00
112(5560 MHz)	14.75	15.00
116(5580 MHz)	14.58	15.00
120(5600 MHz)	14.47	15.00
124(5620 MHz)	14.43	15.00
128(5640 MHz)	14.56	15.00
132(5660 MHz)	14.58	15.00
136(5680 MHz)	14.51	15.00
140(5700 MHz)	14.24	15.00
144(5720 MHz)	14.22	15.00
149(5745 MHz)	14.04	15.00
153(5765 MHz)	14.51	15.00
157(5785 MHz)	14.52	15.00
161(5805 MHz)	14.34	15.00
165(5825 MHz)	14.11	15.00

12 Antenna Location

12.1 Transmit Antenna Separation Distances

The detail for transmit antenna separation distances is described in the additional document:
Appendix to test report No. 24T04Z102397-006
The photos of SAR test

13 SAR Test Result

Note:

KDB 447498 D01 General RF Exposure Guidance:

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

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

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

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

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

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

KDB 648474 D04 Handset SAR:

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

KDB 941225 D01 SAR test for 3G devices:

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel.

When the reported SAR is > 0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel.

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

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

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

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

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

KDB 248227 D01 SAR meas for 802.11:

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

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

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

When the reported SAR for the initial test position is:

≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.

> 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions are tested.

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

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

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

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

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

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

Duty Cycle

Mode	Duty Cycle
Speech for GSM	1:8.3
GPRS&EGPRS 1 Slot	1:8.3
GPRS&EGPRS 2 Slot	1:4
GPRS&EGPRS 3 Slot	1:2.67
GPRS&EGPRS 4 Slot	1:2
WCDMA&LTE FDD	1:1
LTE TDD PC3	1:1.58
LTE TDD PC2	1:2.309

Ambient Temperature: 21.5-23.5 ℃ Liquid Temperature: 21.5-23.5 ℃

13.1 SAR results for Cellular

B2=Battery2(TLp029M7)

2/3/4G

DSI	SAR Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
1	0	Head	GSM850	190	836.6	VOIP(3TX)	Cheek Left	0mm	\	28.09	28.50	0.257	0.28	0.124	0.14	0.01
1	0	Head	GSM850	190	836.6	VOIP(3TX)	Tilt Left	0mm	\	28.09	28.50	0.169	0.19	0.134	0.15	0.03
1	0	Head	GSM850	251	848.8	VOIP(3TX)	Cheek Right	0mm	\	28.11	28.50	0.242	0.26	0.140	0.15	-0.08
1	0	Head	GSM850	190	836.6	VOIP(3TX)	Cheek Right	0mm	\	28.09	28.50	0.295	0.32	0.203	0.22	-0.08
1	0	Head	GSM850	128	824.2	VOIP(3TX)	Cheek Right	0mm	F.1	28.24	28.50	0.342	0.36	0.246	0.26	0.07
1	0	Head	GSM850	190	836.6	VOIP(3TX)	Tilt Right	0mm	\	28.09	28.50	0.175	0.19	0.141	0.16	0.10
1	0	Head	GSM850	128	824.2	EGPRS(3TX)	Cheek Right	0mm	\	28.15	28.50	0.342	0.37	0.246	0.27	0.07
2	0	Hotspot	GSM850	190	836.6	GPRS(3TX)	Front	10mm	\	28.09	28.50	0.188	0.21	0.126	0.14	-0.18
2	0	Hotspot	GSM850	251	848.8	GPRS(3TX)	Rear Off	10mm	F.2	28.11	28.50	0.931	1.02	0.567	0.62	-0.03
2	0	Hotspot	GSM850	190	836.6	GPRS(3TX)	Rear Off	10mm	\	28.09	28.50	0.766	0.84	0.466	0.51	0.10
2	0	Hotspot	GSM850	128	824.2	GPRS(3TX)	Rear Off	10mm	\	28.24	28.50	0.649	0.69	0.385	0.41	0.12
2	0	Hotspot	GSM850	251	848.8	GPRS(3TX)	Rear On	10mm	\	28.11	28.50	0.812	0.89	0.435	0.48	0.09
2	0	Hotspot	GSM850	190	836.6	GPRS(3TX)	Rear On	10mm	\	28.09	28.50	0.854	0.94	0.458	0.50	0.08
2	0	Hotspot	GSM850	128	824.2	GPRS(3TX)	Rear On	10mm	\	28.24	28.50	0.807	0.86	0.431	0.46	-0.11
2	0	Hotspot	GSM850	190	836.6	GPRS(3TX)	Left	10mm	\	28.09	28.50	0.189	0.21	0.116	0.13	-0.17
2	0	Hotspot	GSM850	190	836.6	GPRS(3TX)	Right	10mm	\	28.09	28.50	0.470	0.52	0.305	0.34	-0.03
2	0	Hotspot	GSM850	190	836.6	GPRS(3TX)	Top	10mm	\	28.09	28.50	0.051	0.06	0.030	0.03	0.14
2	0	Hotspot	GSM850	190	836.6	GPRS(3TX)	Bottom	10mm	\	28.09	28.50	0.259	0.28	0.139	0.15	0.11
2	0	Hotspot	GSM850	128	824.2	EGPRS(3TX)	Rear Off	10mm	\	28.15	28.50	0.810	0.88	0.523	0.57	-0.05
0	0	Body	GSM850	190	836.6	GPRS(3TX)	Front	15mm	\	28.09	28.50	0.122	0.13	0.064	0.07	0.18
0	0	Body	GSM850	251	848.8	GPRS(3TX)	Rear Off	15mm	\	28.11	28.50	0.543	0.59	0.269	0.29	-0.10
0	0	Body	GSM850	190	836.6	GPRS(3TX)	Rear Off	15mm	\	28.09	28.50	0.413	0.45	0.205	0.23	0.14
0	0	Body	GSM850	128	824.2	GPRS(3TX)	Rear Off	15mm	\	28.24	28.50	0.356	0.38	0.183	0.19	-0.17
0	0	Body	GSM850	190	836.6	GPRS(3TX)	Rear On	15mm	\	28.09	28.50	0.308	0.34	0.132	0.15	0.17
0	0	Body	GSM850	251	848.8	EGPRS(3TX)	Rear Off	15mm	\	28.09	28.50	0.437	0.48	0.216	0.24	-0.12
1	0	Head	GSM1900	810	1909.8	VOIP(4TX)	Cheek Left	0mm	\	25.85	26.00	0.260	0.27	0.152	0.16	-0.05
1	0	Head	GSM1900	661	1880	VOIP(4TX)	Cheek Left	0mm	F.3	25.33	26.00	0.277	0.32	0.170	0.20	0.08
1	0	Head	GSM1900	512	1850	VOIP(4TX)	Cheek Left	0mm	\	25.64	26.00	0.264	0.29	0.151	0.16	0.01
1	0	Head	GSM1900	661	1880	VOIP(4TX)	Tilt Left	0mm	\	25.33	26.00	0.072	0.08	0.050	0.06	0.10
1	0	Head	GSM1900	661	1880	VOIP(4TX)	Cheek Right	0mm	\	25.33	26.00	0.274	0.32	0.136	0.16	-0.17
1	0	Head	GSM1900	661	1880	VOIP(4TX)	Tilt Right	0mm	\	25.33	26.00	0.039	0.05	0.025	0.03	0.04
1	0	Head	GSM1900	661	1880	EGPRS(4TX)	Cheek Left	0mm	\	25.30	26.00	0.219	0.26	0.143	0.17	0.05
2	4	Hotspot	GSM1900	661	1880	GPRS(4TX)	Front	10mm	\	21.10	22.00	0.091	0.11	0.052	0.06	-0.01
2	4	Hotspot	GSM1900	810	1909.8	GPRS(4TX)	Rear Off	10mm	\	20.90	22.00	0.292	0.38	0.173	0.22	-0.08
2	4	Hotspot	GSM1900	661	1880	GPRS(4TX)	Rear Off	10mm	\	21.10	22.00	0.299	0.37	0.179	0.22	0.05
2	4	Hotspot	GSM1900	512	1850	GPRS(4TX)	Rear Off	10mm	\	21.42	22.00	0.470	0.54	0.282	0.32	-0.18
2	4	Hotspot	GSM1900	661	1880	GPRS(4TX)	Rear On	10mm	\	21.10	22.00	0.160	0.20	0.101	0.12	0.06
2	4	Hotspot	GSM1900	661	1880	GPRS(4TX)	Left	10mm	\	21.10	22.00	0.086	0.11	0.051	0.06	-0.09
2	4	Hotspot	GSM1900	661	1880	GPRS(4TX)	Right	10mm	\	21.10	22.00	0.043	0.05	0.026	0.03	-0.08
2	4	Hotspot	GSM1900	661	1880	GPRS(4TX)	Top	10mm	\	21.10	22.00	<0.01	<0.01	<0.01	<0.01	\
2	4	Hotspot	GSM1900	661	1880	GPRS(4TX)	Bottom	10mm	\	21.10	22.00	0.257	0.32	0.141	0.17	0.13
2	4	Hotspot	GSM1900	512	1850	EGPRS(4TX)	Rear Off	10mm	\	21.51	22.00	0.456	0.51	0.272	0.30	0.12
0	3	Body	GSM1900	661	1880	GPRS(3TX)	Front	15mm	\	24.05	25.00	0.185	0.23	0.114	0.14	0.03
0	3	Body	GSM1900	810	1909.8	GPRS(3TX)	Rear Off	15mm	\	23.75	25.00	0.438	0.58	0.275	0.37	0.18
0	3	Body	GSM1900	661	1880	GPRS(3TX)	Rear Off	15mm	\	24.05	25.00	0.411	0.51	0.269	0.33	0.16
0	3	Body	GSM1900	512	1850	GPRS(3TX)	Rear Off	15mm	F.4	24.05	25.00	0.557	0.69	0.343	0.43	-0.08
0	3	Body	GSM1900	661	1880	GPRS(3TX)	Rear On	15mm	\	24.05	25.00	0.314	0.39	0.204	0.25	-0.10
0	3	Body	GSM1900	512	1850	EGPRS(3TX)	Rear Off	15mm	\	24.40	25.00	0.506	0.58	0.317	0.36	-0.15
1	0	Head	WCDMA 850	4233	846.6	RMC	Cheek Left	0mm	\	23.52	24.50	0.236	0.30	0.139	0.17	0.07
1	0	Head	WCDMA 850	4183	836.6	RMC	Cheek Left	0mm	\	23.36	24.50	0.235	0.31	0.141	0.18	0.18
1	0	Head	WCDMA 850	4132	826.4	RMC	Cheek Left	0mm	F.5	23.47	24.50	0.337	0.43	0.219	0.28	0.18
1	0	Head	WCDMA 850	4183	836.6	RMC	Tilt Left	0mm	\	23.36	24.50	0.148	0.19	0.099	0.13	-0.10
1	0	Head	WCDMA 850	4183	836.6	RMC	Cheek Right	0mm	\	23.36	24.50	0.215	0.28	0.128	0.17	0.01
1	0	Head	WCDMA 850	4183	836.6	RMC	Tilt Right	0mm	\	23.36	24.50	0.185	0.24	0.123	0.16	-0.15
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Front	10mm	\	23.36	24.50	0.201	0.26	0.156	0.20	0.19
2	0	Hotspot	WCDMA 850	4233	846.6	RMC	Rear Off	10mm	F.6	23.52	24.50	0.679	0.85	0.462	0.58	-0.01
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Rear Off	10mm	\	23.36	24.50	0.648	0.84	0.441	0.57	0.07
2	0	Hotspot	WCDMA 850	4132	826.4	RMC	Rear Off	10mm	\	23.47	24.50	0.668	0.85	0.452	0.57	-0.18
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Rear On	10mm	\	23.52	24.50	0.608	0.76	0.412	0.52	0.07
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Rear On	10mm	\	23.36	24.50	0.644	0.84	0.437	0.57	0.03
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Rear On	10mm	\	23.47	24.50	0.611	0.77	0.416	0.53	-0.09
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Left	10mm	\	23.36	24.50	0.189	0.25	0.134	0.17	-0.15
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Right	10mm	\	23.36	24.50	0.419	0.54	0.298	0.39	-0.15
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Top	10mm	\	23.36	24.50	<0.01	<0.01	<0.01	<0.01	\
2	0	Hotspot	WCDMA 850	4183	836.6	RMC	Bottom	10mm	\	23.36	24.50	0.236	0.31	0.148	0.19	0.11
0	0	Body	WCDMA 850	4183	836.6	RMC	Front	15mm	\	23.36	24.50	0.155	0.20	0.112	0.15	-0.08
0	0	Body	WCDMA 850	4233	846.6	RMC	Rear Off	15mm	\	23.52	24.50	0.457	0.57	0.314	0.39	0.05
0	0	Body	WCDMA 850	4183	836.6	RMC	Rear Off	15mm	\	23.36	24.50	0.430	0.56	0.297	0.39	-0.17
0	0	Body	WCDMA 850	4132	826.4	RMC	Rear Off	15mm	\	23.47	24.50	0.422	0.53	0.297	0.38	-0.08
0	0	Body	WCDMA 850	4183	836.6	RMC	Rear On	15mm	\	23.36	24.50	0.422	0.55	0.258	0.34	-0.04
1	0	Head	WCDMA1700	1513	1752.6	RMC	Cheek Left	0mm	F.7	24.18	24.50	0.297	0.32	0.196	0.21	0.17
1	0	Head	WCDMA1700	1412	1732.6	RMC	Cheek Left	0mm	\	24.03	24.50	0.247	0.28	0.160	0.18	-0.08
1	0	Head	WCDMA1700	1312	1712.4	RMC	Cheek Left	0mm	\	24.22	24.50	0.240	0.26	0.158	0.17	0.17
1	0	Head	WCDMA1700	1412	1732.6	RMC	Tilt Left	0mm	\	24.03	24.50	0.160	0.18	0.106	0.12	0.18
1	0	Head	WCDMA1700	1412	1732.6	RMC	Cheek Right	0mm	\	24.03	24.50	0.177	0.20	0.130	0.14	-0.04
1	0	Head	WCDMA1700	1412	1732.6	RMC	Tilt Right	0mm	\	24.03	24.50	0.128	0.14	0.101	0.11	-0.08
2	4	Hotspot	WCDMA1700	1412	1732.6	RMC	Front	10mm	\	20.38	20.50	0.175	0.18	0.108	0.11	-0.13
2	4	Hotspot	WCDMA1700	1513	1752.6	RMC	Rear Off	10mm	F.8	20.46	20.50	0.892	0.90	0.526	0.53	-0.14
2	4	Hotspot	WCDMA1700	1412	1732.6	RMC	Rear Off	10mm	\	20.38	20.50	0.788	0.81	0.467	0.48	-0.13
2	4	Hotspot	WCDMA1700	1312	1712.4	RMC	Rear Off	10mm	\	20.41	20.50	0.804	0.82	0.468	0.48	0.06
2	4	Hotspot	WCDMA1700	1412	1732.6	RMC	Rear On	10mm	\	20.38	20.50	0.602	0.62	0.374	0.38	-0.03
2	4	Hotspot	WCDMA1700	1412	1732.6	RMC	Left	10mm	\	20.38	20.50	0.195	0.20	0.117	0.12	-0.03
2	4	Hotspot	WCDMA1700	1412	1732.6	RMC	Right	10mm	\	20.38	20.50	0.074	0.08	0.045	0.05	0.08
2	4	Hotspot	WCDMA1700	1412	1732.6	RMC	Top	10mm	\	20.38	20.50	0.072	0.07	0.042	0.04	-0.07
2	4	Hotspot	WCDMA1700	1412	1732.6	RMC	Bottom	10mm	\	20.38	20.50	0.556	0.57	0.306	0.31	0.05

0	**3**	Body	WCDMA1700	1412	1732.6	RMC	Front	15mm	\	21.37	21.50	0.204	0.21	0.126	0.13	-0.11
0	**3**	Body	WCDMA1700	1513	1752.6	RMC	Rear Off	15mm	\	21.39	21.50	0.644	0.66	0.388	0.40	-0.10
0	**3**	Body	WCDMA1700	1412	1732.6	RMC	Rear Off	15mm	\	21.37	21.50	0.585	0.60	0.353	0.36	-0.12
0	**3**	Body	WCDMA1700	1312	1712.4	RMC	Rear Off	15mm	\	21.46	21.50	0.561	0.57	0.337	0.34	0.03
0	**3**	Body	WCDMA1700	1412	1732.6	RMC	Rear On	15mm	\	21.37	21.50	0.393	0.40	0.251	0.26	-0.16
1	**0**	Head	WCDMA1900	9538	1907.6	RMC	Cheek Left	0mm	F.9	24.28	24.50	0.689	0.72	0.415	0.44	0.05
1	**0**	Head	WCDMA1900	9400	1880	RMC	Cheek Left	0mm	\	24.21	24.50	0.608	0.65	0.365	0.39	-0.02
1	**0**	Head	WCDMA1900	9262	1852.4	RMC	Cheek Left	0mm	\	24.37	24.50	0.633	0.65	0.391	0.40	0.15
1	**0**	Head	WCDMA1900	9400	1880	RMC	Tilt Left	0mm	\	24.21	24.50	0.277	0.30	0.171	0.18	-0.09
1	**0**	Head	WCDMA1900	9400	1880	RMC	Cheek Right	0mm	\	24.21	24.50	0.465	0.50	0.277	0.30	0.11
1	**0**	Head	WCDMA1900	9400	1880	RMC	Tilt Right	0mm	\	24.21	24.50	0.258	0.28	0.162	0.17	-0.05
2	**4**	Hotspot	WCDMA1900	9400	1880	RMC	Front	10mm	\	20.81	21.00	0.268	0.28	0.160	0.17	-0.08
2	**4**	Hotspot	WCDMA1900	9538	1907.6	RMC	Rear Off	10mm	\	20.86	21.00	0.546	0.56	0.339	0.35	0.16
2	**4**	Hotspot	WCDMA1900	9400	1880	RMC	Rear Off	10mm	\	20.81	21.00	0.741	0.77	0.458	0.48	0.05
2	**4**	Hotspot	WCDMA1900	9262	1852.4	RMC	Rear Off	10mm	F.10	20.93	21.00	0.798	0.81	0.485	0.49	-0.10
2	**4**	Hotspot	WCDMA1900	9400	1880	RMC	Rear On	10mm	\	20.81	21.00	0.600	0.63	0.366	0.38	0.05
2	**4**	Hotspot	WCDMA1900	9400	1880	RMC	Left	10mm	\	20.81	21.00	0.242	0.25	0.140	0.15	-0.03
2	**4**	Hotspot	WCDMA1900	9400	1880	RMC	Right	10mm	\	20.81	21.00	0.129	0.13	0.080	0.08	-0.15
2	**4**	Hotspot	WCDMA1900	9400	1880	RMC	Top	10mm	\	20.81	21.00	0.063	0.07	0.038	0.04	0.02
2	**4**	Hotspot	WCDMA1900	9400	1880	RMC	Bottom	10mm	\	20.81	21.00	0.413	0.43	0.211	0.22	0.07
0	**3**	Body	WCDMA1900	9400	1880	RMC	Front	15mm	\	21.39	21.50	0.224	0.23	0.134	0.14	0.16
0	**3**	Body	WCDMA1900	9538	1907.6	RMC	Rear Off	15mm	\	21.44	21.50	0.406	0.41	0.258	0.26	0.13
0	**3**	Body	WCDMA1900	9400	1880	RMC	Rear Off	15mm	\	21.39	21.50	0.527	0.54	0.333	0.34	-0.18
0	**3**	Body	WCDMA1900	9262	1852.4	RMC	Rear Off	15mm	\	21.45	21.50	0.606	0.61	0.377	0.38	-0.03
0	**3**	Body	WCDMA1900	9400	1880	RMC	Rear On	15mm	\	21.39	21.50	0.371	0.38	0.240	0.25	0.02
1	**0**	Head	LTE Band5	20525	836.5	1RB-Mid	Cheek Left	0mm	\	24.47	25.00	0.161	0.18	0.164	0.19	0.16
1	**0**	Head	LTE Band5	20525	836.5	1RB-Mid	Tilt Left	0mm	\	24.47	25.00	0.134	0.15	0.143	0.16	-0.03
1	**0**	Head	LTE Band5	20600	844	1RB-Mid	Cheek Right	0mm	\	24.22	25.00	0.416	0.50	0.278	0.33	0.06
1	**0**	Head	LTE Band5	20525	836.5	1RB-Mid	Cheek Right	0mm	F.11	24.47	25.00	0.454	0.51	0.305	0.34	-0.04
1	**0**	Head	LTE Band5	20450	829	1RB-Mid	Cheek Right	0mm	\	24.27	25.00	0.401	0.47	0.271	0.32	0.12
1	**0**	Head	LTE Band5	20525	836.5	1RB-Mid	Tilt Right	0mm	\	24.47	25.00	0.175	0.20	0.184	0.21	0.07
1	**0**	Head	LTE Band5	20525	836.5	25RB-Mid	Cheek Left	0mm	\	23.71	24.00	0.110	0.12	0.106	0.11	0.00
1	**0**	Head	LTE Band5	20525	836.5	25RB-Mid	Tilt Left	0mm	\	23.71	24.00	0.084	0.09	0.089	0.10	0.01
1	**0**	Head	LTE Band5	20525	836.5	25RB-Mid	Cheek Right	0mm	\	23.71	24.00	0.149	0.16	0.142	0.15	-0.01
1	**0**	Head	LTE Band5	20525	836.5	25RB-Mid	Tilt Right	0mm	\	23.71	24.00	0.118	0.13	0.125	0.13	-0.06
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Front	10mm	\	24.47	25.00	0.286	0.32	0.212	0.24	-0.04
2	**0**	Hotspot	LTE Band5	20600	844	1RB-Mid	Rear Off	10mm	\	24.22	25.00	0.733	0.88	0.514	0.62	-0.09
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Rear Off	10mm	F.12	24.47	25.00	0.805	0.91	0.563	0.64	-0.16
2	**0**	Hotspot	LTE Band5	20450	829	1RB-Mid	Rear Off	10mm	\	24.27	25.00	0.741	0.88	0.523	0.62	-0.17
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Rear On	10mm	\	24.22	25.00	0.701	0.84	0.412	0.49	-0.16
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Rear On	10mm	\	24.47	25.00	0.719	0.81	0.421	0.48	-0.10
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Rear On	10mm	\	24.27	25.00	0.668	0.79	0.405	0.48	0.08
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Left	10mm	\	24.47	25.00	0.305	0.34	0.208	0.23	0.18
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Right	10mm	\	24.47	25.00	0.521	0.59	0.353	0.40	-0.17
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Top	10mm	\	24.47	25.00	<0.01	<0.01	<0.01	<0.01	\
2	**0**	Hotspot	LTE Band5	20525	836.5	1RB-Mid	Bottom	10mm	\	24.47	25.00	0.252	0.28	0.148	0.17	-0.04
2	**0**	Hotspot	LTE Band5	20525	836.5	25RB-Mid	Front	10mm	\	23.71	24.00	0.208	0.22	0.153	0.16	-0.05
2	**0**	Hotspot	LTE Band5	20525	836.5	25RB-Mid	Rear Off	10mm	\	23.71	24.00	0.634	0.68	0.435	0.47	0.00
2	**0**	Hotspot	LTE Band5	20525	836.5	25RB-Mid	Rear On	10mm	\	23.71	24.00	0.515	0.55	0.307	0.33	-0.13
2	**0**	Hotspot	LTE Band5	20525	836.5	25RB-Mid	Left	10mm	\	23.71	24.00	0.250	0.27	0.167	0.18	-0.01
2	**0**	Hotspot	LTE Band5	20525	836.5	25RB-Mid	Right	10mm	\	23.71	24.00	0.407	0.44	0.272	0.29	-0.09
2	**0**	Hotspot	LTE Band5	20525	836.5	25RB-Mid	Top	10mm	\	23.71	24.00	<0.01	<0.01	<0.01	<0.01	\
2	**0**	Hotspot	LTE Band5	20525	836.5	25RB-Mid	Bottom	10mm	\	23.71	24.00	0.181	0.19	0.108	0.12	0.05
2	**0**	Hotspot	LTE Band5	20525	836.5	50RB-Mid	Rear Off	10mm	\	23.76	24.00	0.745	0.79	0.527	0.56	0.02
0	**0**	Body	LTE Band5	20525	836.5	1RB-Mid	Front	15mm	\	24.47	25.00	0.183	0.21	0.136	0.15	-0.13
0	**0**	Body	LTE Band5	20525	836.5	1RB-Mid	Rear Off	15mm	\	24.47	25.00	0.530	0.60	0.375	0.42	-0.03
0	**0**	Body	LTE Band5	20525	836.5	1RB-Mid	Rear On	15mm	\	24.47	25.00	0.337	0.38	0.214	0.24	0.17
0	**0**	Body	LTE Band5	20525	836.5	25RB-Mid	Front	15mm	\	23.71	24.00	0.154	0.16	0.115	0.12	0.06
0	**0**	Body	LTE Band5	20525	836.5	25RB-Mid	Rear Off	15mm	\	23.71	24.00	0.425	0.45	0.302	0.32	0.00
0	**0**	Body	LTE Band5	20525	836.5	25RB-Mid	Rear On	15mm	\	23.71	24.00	0.299	0.32	0.188	0.20	-0.04
1	**0**	Head	LTE Band12	23095	707.5	1RB-Mid	Cheek Left	0mm	\	24.48	25.00	0.562	0.63	0.357	0.40	-0.15
1	**0**	Head	LTE Band12	23095	707.5	1RB-Mid	Tilt Left	0mm	\	24.48	25.00	0.342	0.39	0.226	0.25	0.11
1	**0**	Head	LTE Band12	23095	707.5	1RB-Mid	Cheek Right	0mm	F.13	24.48	25.00	0.564	0.64	0.360	0.41	0.07
1	**0**	Head	LTE Band12	23095	707.5	1RB-Mid	Tilt Right	0mm	\	24.48	25.00	0.397	0.45	0.259	0.29	-0.02
1	**0**	Head	LTE Band12	23095	707.5	25RB-Mid	Cheek Left	0mm	\	23.56	24.00	0.423	0.47	0.270	0.30	0.10
1	**0**	Head	LTE Band12	23095	707.5	25RB-Mid	Tilt Left	0mm	\	23.56	24.00	0.255	0.28	0.172	0.19	0.04
1	**0**	Head	LTE Band12	23095	707.5	25RB-Mid	Cheek Right	0mm	\	23.56	24.00	0.445	0.49	0.285	0.32	0.13
1	**0**	Head	LTE Band12	23095	707.5	25RB-Mid	Tilt Right	0mm	\	23.56	24.00	0.300	0.33	0.196	0.22	-0.18
2	**0**	Hotspot	LTE Band12	23095	707.5	1RB-Mid	Front	10mm	\	24.48	25.00	0.104	0.12	0.075	0.08	-0.11
2	**0**	Hotspot	LTE Band12	23095	707.5	1RB-Mid	Rear Off	10mm	F.14	24.48	25.00	0.382	0.43	0.259	0.29	0.15
2	**0**	Hotspot	LTE Band12	23095	707.5	1RB-Mid	Rear On	10mm	\	24.48	25.00	0.325	0.37	0.237	0.27	-0.16
2	**0**	Hotspot	LTE Band12	23095	707.5	1RB-Mid	Left	10mm	\	24.48	25.00	0.074	0.08	0.053	0.06	-0.15
2	**0**	Hotspot	LTE Band12	23095	707.5	1RB-Mid	Right	10mm	\	24.48	25.00	0.196	0.22	0.144	0.16	-0.06
2	**0**	Hotspot	LTE Band12	23095	707.5	1RB-Mid	Top	10mm	\	24.48	25.00	0.042	0.05	0.029	0.03	-0.14
2	**0**	Hotspot	LTE Band12	23095	707.5	1RB-Mid	Bottom	10mm	\	24.48	25.00	0.147	0.17	0.092	0.10	-0.19
2	**0**	Hotspot	LTE Band12	23095	707.5	25RB-Mid	Front	10mm	\	23.56	24.00	0.061	0.07	0.049	0.05	0.01
2	**0**	Hotspot	LTE Band12	23095	707.5	25RB-Mid	Rear Off	10mm	\	23.56	24.00	0.265	0.29	0.182	0.20	0.06
2	**0**	Hotspot	LTE Band12	23095	707.5	25RB-Mid	Rear On	10mm	\	23.56	24.00	0.220	0.24	0.137	0.15	0.02
2	**0**	Hotspot	LTE Band12	23095	707.5	25RB-Mid	Left	10mm	\	23.56	24.00	0.063	0.07	0.043	0.05	0.12
2	**0**	Hotspot	LTE Band12	23095	707.5	25RB-Mid	Right	10mm	\	23.56	24.00	0.119	0.13	0.090	0.10	-0.16
2	**0**	Hotspot	LTE Band12	23095	707.5	25RB-Mid	Top	10mm	\	23.56	24.00	<0.01	<0.01	<0.01	<0.01	\
2	**0**	Hotspot	LTE Band12	23095	707.5	25RB-Mid	Bottom	10mm	\	23.56	24.00	0.099	0.11	0.066	0.07	-0.12
0	**0**	Body	LTE Band12	23095	707.5	1RB-Mid	Front	15mm	\	24.48	25.00	0.081	0.09	0.063	0.07	0.07
0	**0**	Body	LTE Band12	23095	707.5	1RB-Mid	Rear Off	15mm	\	24.48	25.00	0.265	0.30	0.189	0.21	-0.07
0	**0**	Body	LTE Band12	23095	707.5	1RB-Mid	Rear On	15mm	\	24.48	25.00	0.251	0.28	0.188	0.21	-0.02
0	**0**	Body	LTE Band12	23095	707.5	25RB-Mid	Front	15mm	\	23.56	24.00	0.059	0.07	0.047	0.05	-0.05
0	**0**	Body	LTE Band12	23095	707.5	25RB-Mid	Rear Off	15mm	\	23.56	24.00	0.192	0.21	0.137	0.15	-0.13
0	**0**	Body	LTE Band12	23095	707.5	25RB-Mid	Rear On	15mm	\	23.56	24.00	0.233	0.26	0.174	0.19	0.08
1	**0**	Head	LTE Band25	26365	1882.5	1RB-Mid	Cheek Left	0mm	\	24.15	25.00	0.459	0.56	0.297	0.36	0.16
1	**0**	Head	LTE Band25	26365	1882.5	1RB-Mid	Tilt Left	0mm	\	24.15	25.00	0.195	0.24	0.118	0.14	0.01
1	**0**	Head	LTE Band25	26365	1882.5	1RB-Mid	Cheek Right	0mm	\	24.15	25.00	0.280	0.34	0.168	0.20	-0.16
1	**0**	Head	LTE Band25	26365	1882.5	1RB-Mid	Tilt Right	0mm	\	24.15	25.00	0.181	0.22	0.119	0.14	0.10
1	**0**	Head	LTE Band25	26590	1905	50RB-Mid	Cheek Left	0mm	\	23.05	24.00	0.500	0.62	0.298	0.37	-0.04
1	**0**	Head	LTE Band25	26365	1882.5	50RB-Mid	Cheek Left	0mm	F.15	23.12	24.00	0.535	0.66	0.330	0.40	-0.05
1	**0**	Head	LTE Band25	26140	1860	50RB-Mid	Cheek Left	0mm	\	23.01	24.00	0.514	0.65	0.306	0.38	-0.01
1	**0**	Head	LTE Band25	26365	1882.5	50RB-Mid	Tilt Left	0mm	\	23.12	24.00	0.156	0.19	0.096	0.12	0.00
1	**0**	Head	LTE Band25	26365	1882.5	50RB-Mid	Cheek Right	0mm	\	23.12	24.00	0.228	0.28	0.148	0.18	-0.11
1	**0**	Head	LTE Band25	26365	1882.5	50RB-Mid	Tilt Right	0mm	\	23.12	24.00	0.148	0.18	0.098	0.12	-0.06

2	**4**	Hotspot	LTE Band25	26365	1882.5	1RB-Mid	Front	10mm	\	20.19	21.00	0.215	0.26	0.129	0.16	-0.15
2	**4**	Hotspot	LTE Band25	26590	1905	1RB-Mid	Rear Off	10mm	\	20.18	21.00	0.472	0.57	0.292	0.35	0.03
2	**4**	Hotspot	LTE Band25	26365	1882.5	1RB-Mid	Rear Off	10mm	F.16	20.19	21.00	0.598	0.72	0.369	0.44	-0.10
2	**4**	Hotspot	LTE Band25	26140	1860	1RB-Mid	Rear Off	10mm	\	20.04	21.00	0.577	0.72	0.354	0.44	-0.13
2	**4**	Hotspot	LTE Band25	26365	1882.5	1RB-Mid	Rear On	10mm	\	20.19	21.00	0.361	0.44	0.218	0.26	0.16
2	**4**	Hotspot	LTE Band25	26365	1882.5	1RB-Mid	Left	10mm	\	20.19	21.00	0.178	0.21	0.105	0.13	-0.15
2	**4**	Hotspot	LTE Band25	26365	1882.5	1RB-Mid	Right	10mm	\	20.19	21.00	0.077	0.09	0.046	0.06	-0.02
2	**4**	Hotspot	LTE Band25	26365	1882.5	1RB-Mid	Top	10mm	\	20.19	21.00	<0.01	<0.01	<0.01	<0.01	\
2	**4**	Hotspot	LTE Band25	26365	1882.5	1RB-Mid	Bottom	10mm	\	20.19	21.00	0.178	0.21	0.101	0.12	-0.09
2	**4**	Hotspot	LTE Band25	26365	1882.5	50RB-Mid	Front	10mm	\	20.23	21.00	0.217	0.26	0.127	0.15	0.14
2	**4**	Hotspot	LTE Band25	26365	1882.5	50RB-Mid	Rear Off	10mm	\	20.23	21.00	0.555	0.66	0.340	0.41	0.10
2	**4**	Hotspot	LTE Band25	26365	1882.5	50RB-Mid	Rear On	10mm	\	20.23	21.00	0.285	0.34	0.182	0.22	-0.09
2	**4**	Hotspot	LTE Band25	26365	1882.5	50RB-Mid	Left	10mm	\	20.23	21.00	0.157	0.19	0.093	0.11	0.07
2	**4**	Hotspot	LTE Band25	26365	1882.5	50RB-Mid	Right	10mm	\	20.23	21.00	0.061	0.07	0.038	0.05	-0.09
2	**4**	Hotspot	LTE Band25	26365	1882.5	50RB-Mid	Top	10mm	\	20.23	21.00	<0.01	<0.01	<0.01	<0.01	\
2	**4**	Hotspot	LTE Band25	26365	1882.5	50RB-Mid	Bottom	10mm	\	20.23	21.00	0.244	0.29	0.133	0.16	-0.16
0	**3**	Body	LTE Band25	26365	1882.5	1RB-Mid	Front	15mm	\	20.98	22.00	0.168	0.21	0.101	0.13	-0.18
0	**3**	Body	LTE Band25	26365	1882.5	1RB-Mid	Rear Off	15mm	\	20.98	22.00	0.395	0.50	0.250	0.32	0.15
0	**3**	Body	LTE Band25	26365	1882.5	1RB-Mid	Rear On	15mm	\	20.98	22.00	0.251	0.32	0.159	0.20	-0.07
0	**3**	Body	LTE Band25	26365	1882.5	50RB-Mid	Front	15mm	\	21.06	22.00	0.280	0.35	0.179	0.22	0.11
0	**3**	Body	LTE Band25	26365	1882.5	50RB-Mid	Rear Off	15mm	\	21.06	22.00	0.352	0.44	0.222	0.28	-0.08
0	**3**	Body	LTE Band25	26365	1882.5	50RB-Mid	Rear On	15mm	\	21.06	22.00	0.137	0.17	0.085	0.11	-0.10
1	**0**	Head	LTE Band26	26865	831.5	1RB-Mid	Cheek Left	0mm	\	24.49	25.00	0.373	0.42	0.244	0.27	-0.01
1	**0**	Head	LTE Band26	26865	831.5	1RB-Mid	Tilt Left	0mm	\	24.49	25.00	0.297	0.33	0.210	0.24	-0.09
1	**0**	Head	LTE Band26	26865	831.5	1RB-Mid	Cheek Right	0mm	F.17	24.49	25.00	0.405	0.46	0.272	0.31	0.06
1	**0**	Head	LTE Band26	26865	831.5	1RB-Mid	Tilt Right	0mm	\	24.49	25.00	0.360	0.40	0.252	0.28	-0.06
1	**0**	Head	LTE Band26	26865	831.5	36RB-Mid	Cheek Left	0mm	\	23.39	24.00	0.258	0.30	0.169	0.19	-0.17
1	**0**	Head	LTE Band26	26865	831.5	36RB-Mid	Tilt Left	0mm	\	23.39	24.00	0.193	0.22	0.139	0.16	-0.01
1	**0**	Head	LTE Band26	26865	831.5	36RB-Mid	Cheek Right	0mm	\	23.39	24.00	0.266	0.31	0.178	0.20	-0.11
1	**0**	Head	LTE Band26	26865	831.5	36RB-Mid	Tilt Right	0mm	\	23.39	24.00	0.255	0.29	0.176	0.20	0.14
2	**0**	Hotspot	LTE Band26	26865	831.5	1RB-Mid	Front	10mm	\	24.49	25.00	0.240	0.27	0.175	0.20	0.03
2	**0**	Hotspot	LTE Band26	26965	841.5	1RB-Mid	Rear Off	10mm	\	24.35	25.00	0.678	0.79	0.464	0.54	0.10
2	**0**	Hotspot	LTE Band26	26865	831.5	1RB-Mid	Rear Off	10mm	F.18	24.49	25.00	0.704	0.79	0.486	0.55	0.17
2	**0**	Hotspot	LTE Band26	26775	822.5	1RB-Mid	Rear Off	10mm	\	24.39	25.00	0.676	0.78	0.470	0.54	0.16
2	**0**	Hotspot	LTE Band26	26865	831.5	1RB-Mid	Rear On	10mm	\	24.49	25.00	0.582	0.65	0.355	0.40	-0.06
2	**0**	Hotspot	LTE Band26	26865	831.5	1RB-Mid	Left	10mm	\	24.49	25.00	0.264	0.30	0.177	0.20	0.02
2	**0**	Hotspot	LTE Band26	26865	831.5	1RB-Mid	Right	10mm	\	24.49	25.00	0.403	0.45	0.274	0.31	-0.16
2	**0**	Hotspot	LTE Band26	26865	831.5	1RB-Mid	Top	10mm	\	24.49	25.00	<0.01	<0.01	<0.01	<0.01	\
2	**0**	Hotspot	LTE Band26	26865	831.5	1RB-Mid	Bottom	10mm	\	24.49	25.00	0.207	0.23	0.119	0.13	0.05
2	**0**	Hotspot	LTE Band26	26865	831.5	36RB-Mid	Front	10mm	\	23.39	24.00	0.165	0.19	0.120	0.14	-0.03
2	**0**	Hotspot	LTE Band26	26865	831.5	36RB-Mid	Rear Off	10mm	\	23.39	24.00	0.449	0.52	0.312	0.36	0.17
2	**0**	Hotspot	LTE Band26	26865	831.5	36RB-Mid	Rear On	10mm	\	23.39	24.00	0.411	0.47	0.246	0.28	-0.15
2	**0**	Hotspot	LTE Band26	26865	831.5	36RB-Mid	Left	10mm	\	23.39	24.00	0.178	0.20	0.119	0.14	0.16
2	**0**	Hotspot	LTE Band26	26865	831.5	36RB-Mid	Right	10mm	\	23.39	24.00	0.274	0.32	0.187	0.22	0.05
2	**0**	Hotspot	LTE Band26	26865	831.5	36RB-Mid	Top	10mm	\	23.39	24.00	<0.01	<0.01	<0.01	<0.01	\
2	**0**	Hotspot	LTE Band26	26865	831.5	36RB-Mid	Bottom	10mm	\	23.39	24.00	0.114	0.13	0.066	0.08	-0.06
2	**0**	Hotspot	LTE Band26	26865	831.5	100RB-Mid	Rear Off	10mm	\	23.44	24.00	0.682	0.78	0.473	0.54	0.07
0	**0**	Body	LTE Band26	26865	831.5	1RB-Mid	Front	15mm	\	24.49	25.00	0.166	0.19	0.123	0.14	-0.13
0	**0**	Body	LTE Band26	26865	831.5	1RB-Mid	Rear Off	15mm	\	24.49	25.00	0.468	0.53	0.328	0.37	0.11
0	**0**	Body	LTE Band26	26865	831.5	1RB-Mid	Rear On	15mm	\	24.49	25.00	0.269	0.30	0.185	0.21	-0.01
0	**0**	Body	LTE Band26	26865	831.5	36RB-Mid	Front	15mm	\	23.39	24.00	0.133	0.15	0.100	0.12	-0.11
0	**0**	Body	LTE Band26	26865	831.5	36RB-Mid	Rear Off	15mm	\	23.39	24.00	0.368	0.42	0.259	0.30	0.19
0	**0**	Body	LTE Band26	26865	831.5	36RB-Mid	Rear On	15mm	\	23.39	24.00	0.214	0.25	0.139	0.16	-0.14
1	**0**	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Left	0mm	\	26.08	26.50	0.094	0.10	0.034	0.04	-0.18
1	**0**	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Left	0mm	\	26.08	26.50	0.068	0.07	0.030	0.03	-0.06
1	**0**	Head	LTE Band41 PC2	41490	2680	1RB-Mid	Cheek Right	0mm	\	25.84	26.50	0.095	0.11	0.045	0.05	0.14
1	**0**	Head	LTE Band41 PC2	41055	2636.5	1RB-Mid	Cheek Right	0mm	\	25.93	26.50	0.086	0.10	0.040	0.05	0.08
1	**0**	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Right	0mm	F.19	26.08	26.50	0.111	0.12	0.052	0.06	0.00
1	**0**	Head	LTE Band41 PC2	40185	2549.5	1RB-Mid	Cheek Right	0mm	\	25.58	26.50	0.088	0.11	0.042	0.05	-0.13
1	**0**	Head	LTE Band41 PC2	39750	2506	1RB-Mid	Cheek Right	0mm	\	25.84	26.50	0.093	0.11	0.044	0.05	0.07
1	**0**	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Right	0mm	\	26.08	26.50	0.055	0.06	0.025	0.03	0.02
1	**0**	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Left	0mm	\	25.28	25.50	0.068	0.07	0.026	0.03	0.16
1	**0**	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Left	0mm	\	25.28	25.50	0.055	0.06	0.024	0.03	0.01
1	**0**	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Right	0mm	\	25.28	25.50	0.087	0.09	0.041	0.04	-0.04
1	**0**	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Right	0mm	\	25.28	25.50	0.048	0.05	0.023	0.02	0.13
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Front	10mm	\	22.18	23.00	0.099	0.12	0.050	0.06	0.12
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Rear Off	10mm	\	22.18	23.00	0.545	0.66	0.227	0.27	0.07
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Rear On	10mm	\	22.18	23.00	0.652	0.79	0.280	0.34	0.08
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Left	10mm	\	22.18	23.00	0.118	0.14	0.061	0.07	0.19
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Right	10mm	\	22.18	23.00	0.072	0.09	0.038	0.05	-0.06
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Top	10mm	\	22.18	23.00	<0.01	<0.01	<0.01	<0.01	\
2	**4**	Hotspot	LTE Band41 PC2	41490	2680	1RB-Mid	Bottom	10mm	\	22.08	23.00	0.717	0.89	0.310	0.38	0.00
2	**4**	Hotspot	LTE Band41 PC2	41055	2636.5	1RB-Mid	Bottom	10mm	\	22.01	23.00	0.697	0.88	0.304	0.38	-0.03
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Bottom	10mm	F.20	22.18	23.00	0.738	0.89	0.321	0.39	0.13
2	**4**	Hotspot	LTE Band41 PC2	40185	2549.5	1RB-Mid	Bottom	10mm	\	21.85	23.00	0.679	0.88	0.287	0.37	0.07
2	**4**	Hotspot	LTE Band41 PC2	39750	2506	1RB-Mid	Bottom	10mm	\	21.98	23.00	0.696	0.88	0.304	0.38	-0.12
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Front	10mm	\	22.26	23.00	0.120	0.14	0.061	0.07	-0.03
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Rear Off	10mm	\	22.26	23.00	0.554	0.66	0.240	0.28	0.02
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Rear On	10mm	\	22.26	23.00	0.562	0.67	0.237	0.28	0.12
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Left	10mm	\	22.26	23.00	0.112	0.13	0.058	0.07	0.02
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Right	10mm	\	22.26	23.00	0.058	0.07	0.031	0.04	-0.03
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Top	10mm	\	22.26	23.00	<0.01	<0.01	<0.01	<0.01	\
2	**4**	Hotspot	LTE Band41 PC2	41490	2680	50RB-Mid	Bottom	10mm	\	22.24	23.00	0.716	0.85	0.309	0.37	-0.17
2	**4**	Hotspot	LTE Band41 PC2	41055	2636.5	50RB-Mid	Bottom	10mm	\	22.10	23.00	0.723	0.89	0.313	0.39	0.12
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Bottom	10mm	\	22.26	23.00	0.729	0.86	0.316	0.37	0.00
2	**4**	Hotspot	LTE Band41 PC2	40185	2549.5	50RB-Mid	Bottom	10mm	\	21.99	23.00	0.706	0.89	0.307	0.39	-0.08
2	**4**	Hotspot	LTE Band41 PC2	39750	2506	50RB-Mid	Bottom	10mm	\	22.15	23.00	0.711	0.86	0.312	0.38	0.05
2	**4**	Hotspot	LTE Band41 PC2	40620	2593	100RB-Mid	Bottom	10mm	\	22.23	23.00	0.705	0.84	0.307	0.37	0.09
0	**3**	Body	LTE Band41 PC2	40620	2593	1RB-Mid	Front	15mm	\	23.11	23.50	0.090	0.10	0.037	0.04	-0.10
0	**3**	Body	LTE Band41 PC2	40620	2593	1RB-Mid	Rear Off	15mm	\	23.11	23.50	0.588	0.64	0.270	0.30	0.05
0	**3**	Body	LTE Band41 PC2	40620	2593	1RB-Mid	Rear On	15mm	\	23.11	23.50	0.584	0.64	0.278	0.30	0.00
0	**3**	Body	LTE Band41 PC2	40620	2593	50RB-Mid	Front	15mm	\	23.21	23.50	0.175	0.19	0.089	0.10	0.07
0	**3**	Body	LTE Band41 PC2	40620	2593	50RB-Mid	Rear Off	15mm	\	23.21	23.50	0.610	0.65	0.285	0.30	0.04
0	**3**	Body	LTE Band41 PC2	40620	2593	50RB-Mid	Rear On	15mm	\	23.21	23.50	0.562	0.60	0.268	0.29	0.15

1	0	Head	LTE Band41 PC3	40620	2593	1RB-Mid	Cheek Left	0mm	\	23.15	24.00	0.048	0.06	0.019	0.02	-0.05
1	0	Head	LTE Band41 PC3	40620	2593	1RB-Mid	Tilt Left	0mm	\	23.15	24.00	0.045	0.05	0.019	0.02	-0.08
1	0	Head	LTE Band41 PC3	41490	2680	1RB-Mid	Cheek Right	0mm	\	23.07	24.00	0.048	0.06	0.0200	0.02	0.06
1	0	Head	LTE Band41 PC3	41055	2636.5	1RB-Mid	Cheek Right	0mm	\	22.94	24.00	0.051	0.07	0.0250	0.03	-0.17
1	0	Head	LTE Band41 PC3	40620	2593	1RB-Mid	Cheek Right	0mm	F.21	23.15	24.00	0.059	0.07	0.0270	0.03	0.00
1	0	Head	LTE Band41 PC3	40185	2549.5	1RB-Mid	Cheek Right	0mm	\	22.90	24.00	0.043	0.06	0.0190	0.02	-0.13
1	0	Head	LTE Band41 PC3	39750	2506	1RB-Mid	Cheek Right	0mm	\	23.08	24.00	0.052	0.06	0.0260	0.03	0.11
1	0	Head	LTE Band41 PC3	40620	2593	1RB-Mid	Tilt Right	0mm	\	23.15	24.00	0.031	0.04	0.015	0.02	-0.08
1	0	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Left	0mm	\	22.20	23.00	0.037	0.04	0.014	0.02	-0.13
1	0	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Left	0mm	\	22.20	23.00	0.026	0.03	0.011	0.01	0.01
1	0	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Right	0mm	\	22.20	23.00	0.047	0.06	0.022	0.03	-0.11
1	0	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	\	22.20	23.00	0.026	0.03	0.012	0.01	0.03
2	4	Hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Front	10mm	\	20.19	20.50	0.100	0.11	0.051	0.05	-0.05
2	4	Hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Rear Off	10mm	\	20.19	20.50	0.515	0.55	0.224	0.24	0.14
2	4	Hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Rear On	10mm	\	20.19	20.50	0.500	0.54	0.218	0.23	-0.01
2	4	Hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Left	10mm	\	20.19	20.50	0.096	0.10	0.048	0.05	-0.12
2	4	Hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Right	10mm	\	20.19	20.50	0.045	0.05	0.025	0.03	0.07
2	4	Hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Top	10mm	\	20.19	20.50	<0.01	<0.01	<0.01	<0.01	\
2	4	Hotspot	LTE Band41 PC3	41490	2680	1RB-Mid	Bottom	10mm	\	20.10	20.50	0.674	0.74	0.324	0.36	0.09
2	4	Hotspot	LTE Band41 PC3	41055	2636.5	1RB-Mid	Bottom	10mm	\	20.07	20.50	0.705	0.78	0.329	0.36	0.04
2	4	Hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Bottom	10mm	F.22	20.19	20.50	0.819	0.88	0.363	0.39	0.17
2	4	Hotspot	LTE Band41 PC3	40185	2549.5	1RB-Mid	Bottom	10mm	\	19.90	20.50	0.716	0.82	0.321	0.37	0.11
2	4	Hotspot	LTE Band41 PC3	39750	2506	1RB-Mid	Bottom	10mm	\	20.09	20.50	0.696	0.76	0.326	0.36	-0.13
2	4	Hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Front	10mm	\	20.27	20.50	0.108	0.11	0.056	0.06	0.12
2	4	Hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Rear Off	10mm	\	20.27	20.50	0.506	0.53	0.212	0.22	-0.11
2	4	Hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Rear On	10mm	\	20.27	20.50	0.413	0.44	0.176	0.19	0.17
2	4	Hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Left	10mm	\	20.27	20.50	0.091	0.10	0.046	0.05	-0.16
2	4	Hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Right	10mm	\	20.27	20.50	0.065	0.07	0.035	0.04	-0.17
2	4	Hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Top	10mm	\	20.27	20.50	<0.01	<0.01	<0.01	<0.01	\
2	4	Hotspot	LTE Band41 PC3	41490	2680	50RB-Mid	Bottom	10mm	\	20.23	20.50	0.681	0.72	0.326	0.35	0.17
2	4	Hotspot	LTE Band41 PC3	41055	2636.5	50RB-Mid	Bottom	10mm	\	20.17	20.50	0.704	0.76	0.329	0.35	-0.05
2	4	Hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Bottom	10mm	\	20.27	20.50	0.786	0.83	0.338	0.36	0.11
2	4	Hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Bottom	10mm	\	20.02	20.50	0.764	0.85	0.329	0.37	0.08
2	4	Hotspot	LTE Band41 PC3	39750	2506	50RB-Mid	Bottom	10mm	\	20.15	20.50	0.718	0.78	0.322	0.35	-0.16
2	4	Hotspot	LTE Band41 PC3	40620	2593	100RB-Mid	Bottom	10mm	\	20.22	20.50	0.763	0.81	0.312	0.33	0.04
0	3	Body	LTE Band41 PC3	40620	2593	1RB-Mid	Front	15mm	\	21.23	21.50	0.085	0.09	0.046	0.05	-0.05
0	3	Body	LTE Band41 PC3	40620	2593	1RB-Mid	Rear Off	15mm	\	21.23	21.50	0.356	0.38	0.170	0.18	-0.01
0	3	Body	LTE Band41 PC3	40620	2593	1RB-Mid	Rear On	15mm	\	21.23	21.50	0.354	0.38	0.173	0.18	-0.14
0	3	Body	LTE Band41 PC3	40620	2593	50RB-Mid	Front	15mm	\	21.38	21.50	0.104	0.11	0.055	0.06	-0.15
0	3	Body	LTE Band41 PC3	40620	2593	50RB-Mid	Rear Off	15mm	\	21.38	21.50	0.370	0.38	0.176	0.18	-0.12
0	3	Body	LTE Band41 PC3	40620	2593	50RB-Mid	Rear On	15mm	\	21.38	21.50	0.453	0.47	0.213	0.22	0.14
1	0	Head	LTE Band66	132572	1770	1RB-Mid	Cheek Left	0mm	\	23.88	25.00	0.207	0.27	0.144	0.19	0.09
1	0	Head	LTE Band66	132322	1745	1RB-Mid	Cheek Left	0mm	F.23	24.28	25.00	0.248	0.29	0.164	0.19	0.05
1	0	Head	LTE Band66	132072	1720	1RB-Mid	Cheek Left	0mm	\	23.96	25.00	0.231	0.29	0.159	0.20	-0.14
1	0	Head	LTE Band66	132322	1745	1RB-Mid	Tilt Left	0mm	\	24.28	25.00	0.161	0.19	0.125	0.15	-0.17
1	0	Head	LTE Band66	132322	1745	1RB-Mid	Cheek Right	0mm	\	24.28	25.00	0.211	0.25	0.157	0.19	0.08
1	0	Head	LTE Band66	132322	1745	1RB-Mid	Tilt Right	0mm	\	24.28	25.00	0.155	0.18	0.124	0.15	0.01
1	0	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Left	0mm	\	23.16	24.00	0.207	0.25	0.139	0.17	0.02
1	0	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Left	0mm	\	23.16	24.00	0.102	0.12	0.084	0.10	-0.11
1	0	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Right	0mm	\	23.16	24.00	0.149	0.18	0.110	0.13	-0.01
1	0	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Right	0mm	\	23.16	24.00	0.108	0.13	0.085	0.10	0.09
2	4	Hotspot	LTE Band66	132322	1745	1RB-Mid	Front	10mm	\	20.28	21.00	0.236	0.28	0.143	0.17	0.10
2	4	Hotspot	LTE Band66	132572	1770	1RB-Mid	Rear Off	10mm	\	20.27	21.00	0.841	0.99	0.494	0.58	-0.04
2	4	Hotspot	LTE Band66	132322	1745	1RB-Mid	Rear Off	10mm	F.24	20.28	21.00	0.872	1.03	0.506	0.60	-0.01
2	4	Hotspot	LTE Band66	132072	1720	1RB-Mid	Rear Off	10mm	\	20.19	21.00	0.763	0.92	0.441	0.53	0.15
2	4	Hotspot	LTE Band66	132322	1745	1RB-Mid	Rear On	10mm	\	20.28	21.00	0.540	0.64	0.330	0.39	0.09
2	4	Hotspot	LTE Band66	132322	1745	1RB-Mid	Left	10mm	\	20.28	21.00	0.208	0.25	0.124	0.15	-0.16
2	4	Hotspot	LTE Band66	132322	1745	1RB-Mid	Right	10mm	\	20.28	21.00	0.081	0.10	0.050	0.06	0.05
2	4	Hotspot	LTE Band66	132322	1745	1RB-Mid	Top	10mm	\	20.28	21.00	0.044	0.05	0.027	0.03	0.08
2	4	Hotspot	LTE Band66	132322	1745	1RB-Mid	Bottom	10mm	\	20.28	21.00	0.342	0.40	0.197	0.23	-0.18
2	4	Hotspot	LTE Band66	132322	1745	50RB-Mid	Front	10mm	\	20.42	21.00	0.231	0.26	0.142	0.16	-0.03
2	4	Hotspot	LTE Band66	132572	1770	50RB-Mid	Rear Off	10mm	\	20.39	21.00	0.837	0.96	0.485	0.56	-0.09
2	4	Hotspot	LTE Band66	132322	1745	50RB-Mid	Rear Off	10mm	\	20.42	21.00	0.859	0.98	0.499	0.57	-0.04
2	4	Hotspot	LTE Band66	132072	1720	50RB-Mid	Rear Off	10mm	\	20.33	21.00	0.834	0.97	0.481	0.56	0.13
2	4	Hotspot	LTE Band66	132322	1745	50RB-Mid	Rear On	10mm	\	20.42	21.00	0.551	0.63	0.339	0.39	-0.09
2	4	Hotspot	LTE Band66	132322	1745	50RB-Mid	Left	10mm	\	20.42	21.00	0.204	0.23	0.121	0.14	0.18
2	4	Hotspot	LTE Band66	132322	1745	50RB-Mid	Right	10mm	\	20.42	21.00	0.087	0.10	0.053	0.06	0.11
2	4	Hotspot	LTE Band66	132322	1745	50RB-Mid	Top	10mm	\	20.42	21.00	0.044	0.05	0.026	0.03	0.07
2	4	Hotspot	LTE Band66	132322	1745	50RB-Mid	Bottom	10mm	\	20.42	21.00	0.557	0.64	0.303	0.35	-0.03
2	4	Hotspot	LTE Band66	132322	1745	100RB	Rear Off	10mm	\	20.34	21.00	0.836	0.97	0.484	0.56	0.09
0	3	Body	LTE Band66	132322	1745	1RB-Mid	Front	15mm	\	21.46	22.00	0.170	0.19	0.106	0.12	-0.08
0	3	Body	LTE Band66	132322	1745	1RB-Mid	Rear Off	15mm	\	21.46	22.00	0.490	0.55	0.290	0.33	-0.06
0	3	Body	LTE Band66	132322	1745	1RB-Mid	Rear On	15mm	\	21.46	22.00	0.251	0.28	0.156	0.18	-0.05
0	3	Body	LTE Band66	132322	1745	50RB-Mid	Front	15mm	\	21.38	22.00	0.158	0.18	0.098	0.11	-0.03
0	3	Body	LTE Band66	132322	1745	50RB-Mid	Rear Off	15mm	\	21.38	22.00	0.456	0.53	0.271	0.31	0.17
0	3	Body	LTE Band66	132322	1745	50RB-Mid	Rear On	15mm	\	21.38	22.00	0.249	0.29	0.157	0.18	-0.14
1	0	Head	LTE Band71	133322	683	1RB-Mid	Cheek Left	0mm	\	23.71	24.00	0.295	0.32	0.185	0.20	0.06
1	0	Head	LTE Band71	133322	683	1RB-Mid	Tilt Left	0mm	\	23.71	24.00	0.145	0.16	0.095	0.10	-0.06
1	0	Head	LTE Band71	133322	683	1RB-Mid	Cheek Right	0mm	F.25	23.71	24.00	0.332	0.35	0.206	0.22	0.05
1	0	Head	LTE Band71	133322	683	1RB-Mid	Tilt Right	0mm	\	23.71	24.00	0.175	0.19	0.111	0.12	-0.15
1	0	Head	LTE Band71	133322	683	50RB-Mid	Cheek Left	0mm	\	22.45	23.00	0.247	0.28	0.154	0.17	-0.12
1	0	Head	LTE Band71	133322	683	50RB-Mid	Tilt Left	0mm	\	22.45	23.00	0.120	0.14	0.078	0.09	-0.16
1	0	Head	LTE Band71	133322	683	50RB-Mid	Cheek Right	0mm	\	22.45	23.00	0.274	0.31	0.171	0.19	-0.03
1	0	Head	LTE Band71	133322	683	50RB-Mid	Tilt Right	0mm	\	22.45	23.00	0.129	0.15	0.082	0.09	0.17
2	0	Hotspot	LTE Band71	133322	683	1RB-Mid	Front	10mm	\	23.71	24.00	0.062	0.07	0.036	0.04	0.02
2	0	Hotspot	LTE Band71	133322	683	1RB-Mid	Rear Off	10mm	F.26	23.71	24.00	0.372	0.40	0.212	0.23	-0.05
2	0	Hotspot	LTE Band71	133322	683	1RB-Mid	Rear On	10mm	\	23.71	24.00	0.199	0.21	0.113	0.12	0.00
2	0	Hotspot	LTE Band71	133322	683	1RB-Mid	Left	10mm	\	23.71	24.00	0.115	0.12	0.061	0.07	0.18
2	0	Hotspot	LTE Band71	133322	683	1RB-Mid	Right	10mm	\	23.71	24.00	0.168	0.18	0.087	0.09	-0.11
2	0	Hotspot	LTE Band71	133322	683	1RB-Mid	Top	10mm	\	23.71	24.00	<0.01	<0.01	<0.01	<0.01	\
2	0	Hotspot	LTE Band71	133322	683	1RB-Mid	Bottom	10mm	\	23.71	24.00	0.073	0.08	0.034	0.04	-0.05
2	0	Hotspot	LTE Band71	133322	683	50RB-Mid	Front	10mm	\	22.45	23.00	0.047	0.05	0.024	0.03	-0.04
2	0	Hotspot	LTE Band71	133322	683	50RB-Mid	Rear Off	10mm	\	22.45	23.00	0.310	0.35	0.176	0.20	-0.08
2	0	Hotspot	LTE Band71	133322	683	50RB-Mid	Rear On	10mm	\	22.45	23.00	0.166	0.19	0.094	0.11	0.00
2	0	Hotspot	LTE Band71	133322	683	50RB-Mid	Left	10mm	\	22.45	23.00	0.090	0.10	0.048	0.05	-0.14
2	0	Hotspot	LTE Band71	133322	683	50RB-Mid	Right	10mm	\	22.45	23.00	0.142	0.16	0.074	0.08	0.01
2	0	Hotspot	LTE Band71	133322	683	50RB-Mid	Top	10mm	\	22.45	23.00	<0.01	<0.01	<0.01	<0.01	\
2	0	Hotspot	LTE Band71	133322	683	50RB-Mid	Bottom	10mm	\	22.45	23.00	0.059	0.07	0.028	0.03	0.18
0	0	Body	LTE Band71	133322	683	1RB-Mid	Front	15mm	\	23.71	24.00	<0.01	<0.01	<0.01	<0.01	\
0	0	Body	LTE Band71	133322	683	1RB-Mid	Rear Off	15mm	\	23.71	24.00	0.278	0.30	0.158	0.17	-0.19
0	0	Body	LTE Band71	133322	683	1RB-Mid	Rear On	15mm	\	23.71	24.00	0.142	0.15	0.081	0.09	0.02
0	0	Body	LTE Band71	133322	683	50RB-Mid	Front	15mm	\	22.45	23.00	<0.01	<0.01	<0.01	<0.01	\
0	0	Body	LTE Band71	133322	683	50RB-Mid	Rear Off	15mm	\	22.45	23.00	0.227	0.26	0.129	0.15	0.16
0	0	Body	LTE Band71	133322	683	50RB-Mid	Rear On	15mm	\	22.45	23.00	0.131	0.15	0.076	0.09	0.06

5G NR

DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
1	Head	N25	382500	1912.5	15K 5M 12_6	Cheek Left	0mm	\	23.61	25.00	0.674	0.93	0.403	0.56	-0.02
1	Head	N25	376500	1882.5	15K 5M 12_6	Cheek Left	0mm	F.27	23.87	25.00	0.723	0.94	0.429	0.56	0.02
1	Head	N25	370500	1852.5	15K 5M 12_6	Cheek Left	0mm	\	23.81	25.00	0.702	0.92	0.411	0.54	0.07
1	Head	N25	376500	1882.5	15K 5M 12_6	Tilt Left	0mm	\	23.87	25.00	0.203	0.26	0.129	0.17	-0.17
1	Head	N25	376500	1882.5	15K 5M 12_6	Cheek Right	0mm	\	23.87	25.00	0.332	0.43	0.152	0.20	0.10
1	Head	N25	376500	1882.5	15K 5M 12_6	Tilt Right	0mm	\	23.87	25.00	0.129	0.17	0.082	0.11	0.08
1	Head	N25	376500	1882.5	15K 5M 12_6	Cheek Left	0mm	B2	23.87	25.00	0.704	0.91	0.411	0.53	0.08
2	Hotspot	N25	376500	1882.5	15K 5M 12_6	Front	10mm	\	20.35	21.00	0.152	0.18	0.093	0.11	0.00
2	Hotspot	N25	376500	1882.5	15K 5M 12_6	Rear Off	10mm	F.28	20.35	21.00	0.570	0.66	0.351	0.41	-0.05
2	Hotspot	N25	376500	1882.5	15K 5M 12_6	Rear On	10mm	\	20.35	21.00	0.566	0.66	0.338	0.39	-0.13
2	Hotspot	N25	376500	1882.5	15K 5M 12_6	Left	10mm	\	20.35	21.00	0.188	0.22	0.110	0.13	-0.10
2	Hotspot	N25	376500	1882.5	15K 5M 12_6	Right	10mm	\	20.35	21.00	0.050	0.06	0.032	0.04	-0.07
2	Hotspot	N25	376500	1882.5	15K 5M 12_6	Top	10mm	\	20.35	21.00	<0.01	<0.01	<0.01	<0.01	\
2	Hotspot	N25	376500	1882.5	15K 5M 12_6	Bottom	10mm	\	20.35	21.00	0.238	0.28	0.133	0.15	0.11
0	Body	N25	376500	1882.5	15K 5M 12_6	Front	15mm	\	21.26	22.00	0.120	0.14	0.074	0.09	-0.17
0	Body	N25	376500	1882.5	15K 5M 12_6	Rear Off	15mm	\	21.26	22.00	0.404	0.48	0.252	0.30	-0.03
0	Body	N25	376500	1882.5	15K 5M 12_6	Rear On	15mm	\	21.26	22.00	0.330	0.39	0.205	0.24	0.01
1	Head	N41	518598	2592.99	30K 10M 12_6	Cheek Left	0mm	\	26.18	27.00	0.093	0.11	0.058	0.07	0.10
1	Head	N41	518598	2592.99	30K 10M 12_6	Tilt Left	0mm	\	26.18	27.00	0.099	0.12	0.047	0.06	0.11
1	Head	N41	537000	2685	30K 10M 12_6	Cheek Right	0mm	\	25.58	27.00	0.101	0.14	0.048	0.07	-0.13
1	Head	N41	527799	2639	30K 10M 12_6	Cheek Right	0mm	\	25.62	27.00	0.121	0.17	0.068	0.09	-0.14
1	Head	N41	518598	2592.99	30K 10M 12_6	Cheek Right	0mm	F.29	26.18	27.00	0.122	0.15	0.069	0.08	-0.04
1	Head	N41	509406	2555.02	30K 10M 12_6	Cheek Right	0mm	\	26.12	27.00	0.095	0.12	0.059	0.07	0.08
1	Head	N41	500205	2501.01	30K 10M 12_6	Cheek Right	0mm	\	26.14	27.00	0.122	0.15	0.069	0.08	-0.07
1	Head	N41	518598	2592.99	30K 10M 12_6	Tilt Right	0mm	\	26.18	27.00	0.120	0.14	0.063	0.08	-0.07
2	Hotspot	N41	518598	2592.99	30K 10M 12_6	Front	10mm	\	18.42	19.00	0.098	0.11	0.054	0.06	-0.15
2	Hotspot	N41	518598	2592.99	30K 10M 12_6	Rear Off	10mm	\	18.42	19.00	0.633	0.72	0.298	0.34	-0.14
2	Hotspot	N41	518598	2592.99	30K 10M 12_6	Rear On	10mm	\	18.42	19.00	0.621	0.71	0.298	0.34	-0.11
2	Hotspot	N41	518598	2592.99	30K 10M 12_6	Left	10mm	\	18.42	19.00	0.193	0.22	0.101	0.12	-0.18
2	Hotspot	N41	518598	2592.99	30K 10M 12_6	Right	10mm	\	18.42	19.00	0.038	0.04	0.022	0.03	-0.02
2	Hotspot	N41	518598	2592.99	30K 10M 12_6	Top	10mm	\	18.42	19.00	<0.01	<0.01	<0.01	<0.01	\
2	Hotspot	N41	537000	2685	30K 10M 12_6	Bottom	10mm	\	18.32	19.00	0.686	0.80	0.331	0.39	0.13
2	Hotspot	N41	527799	2639	30K 10M 12_6	Bottom	10mm	\	18.42	19.00	0.728	0.83	0.358	0.41	-0.06
2	Hotspot	N41	518598	2592.99	30K 10M 12_6	Bottom	10mm	\	18.41	19.00	0.816	0.93	0.383	0.44	-0.18
2	Hotspot	N41	509406	2555.02	30K 10M 12_6	Bottom	10mm	\	17.77	19.00	0.692	0.92	0.332	0.44	-0.08
2	Hotspot	N41	500205	2501.01	30K 10M 12_6	Bottom	10mm	F.30	17.87	19.00	0.840	1.09	0.384	0.50	-0.13
0	Body	N41	518598	2592.99	30K 10M 12_6	Front	15mm	\	22.12	23.00	0.140	0.17	0.076	0.09	0.07
0	Body	N41	518598	2592.99	30K 10M 12_6	Rear Off	15mm	\	22.12	23.00	0.638	0.78	0.314	0.38	-0.04
0	Body	N41	537000	2685	30K 10M 12_6	Rear On	15mm	\	21.35	23.00	0.597	0.87	0.284	0.42	-0.18
0	Body	N41	527799	2639	30K 10M 12_6	Rear On	15mm	\	21.53	23.00	0.611	0.86	0.296	0.42	0.01
0	Body	N41	518598	2592.99	30K 10M 12_6	Rear On	15mm	\	22.12	23.00	0.721	0.88	0.353	0.43	-0.13
0	Body	N41	509406	2555.02	30K 10M 12_6	Rear On	15mm	\	21.98	23.00	0.688	0.87	0.334	0.42	0.06
0	Body	N41	500205	2501.01	30K 10M 12_6	Rear On	15mm	\	22.07	23.00	0.678	0.84	0.328	0.41	0.00
1	Head	N66	355500	1777.5	15K 5M 12_6	Cheek Left	0mm	\	23.71	25.00	0.247	0.33	0.147	0.20	0.17
1	Head	N66	349000	1745	15K 5M 12_6	Cheek Left	0mm	F.31	23.78	25.00	0.303	0.40	0.202	0.27	0.08
1	Head	N66	342500	1712.5	15K 5M 12_6	Cheek Left	0mm	\	23.77	25.00	0.286	0.38	0.183	0.24	-0.19
1	Head	N66	349000	1745	15K 5M 12_6	Tilt Left	0mm	\	23.78	25.00	0.114	0.15	0.084	0.11	-0.04
1	Head	N66	349000	1745	15K 5M 12_6	Cheek Right	0mm	\	23.78	25.00	0.106	0.14	0.059	0.08	-0.15
1	Head	N66	349000	1745	15K 5M 12_6	Tilt Right	0mm	\	23.78	25.00	0.131	0.17	0.101	0.13	-0.09
2	Hotspot	N66	349000	1745	15K 5M 12_6	Front	10mm	\	20.46	21.00	0.214	0.24	0.134	0.15	0.05
2	Hotspot	N66	355500	1777.5	15K 5M 12_6	Rear Off	10mm	\	20.23	21.00	0.735	0.88	0.431	0.51	0.13
2	Hotspot	N66	349000	1745	15K 5M 12_6	Rear Off	10mm	F.32	20.46	21.00	0.786	0.89	0.464	0.52	-0.10
2	Hotspot	N66	342500	1712.5	15K 5M 12_6	Rear Off	10mm	\	20.21	21.00	0.732	0.88	0.427	0.51	0.00
2	Hotspot	N66	349000	1745	15K 5M 12_6	Rear On	10mm	\	20.46	21.00	0.363	0.41	0.228	0.26	-0.12
2	Hotspot	N66	349000	1745	15K 5M 12_6	Left	10mm	\	20.46	21.00	0.218	0.25	0.134	0.15	0.15
2	Hotspot	N66	349000	1745	15K 5M 12_6	Right	10mm	\	20.46	21.00	0.068	0.08	0.041	0.05	-0.05
2	Hotspot	N66	349000	1745	15K 5M 12_6	Top	10mm	\	20.46	21.00	<0.01	<0.01	<0.01	<0.01	\
2	Hotspot	N66	349000	1745	15K 5M 12_6	Bottom	10mm	\	20.46	21.00	0.552	0.62	0.312	0.35	-0.07
0	Body	N66	349000	1745	15K 5M 12_6	Front	15mm	\	21.52	22.00	0.187	0.21	0.119	0.13	0.10
0	Body	N66	349000	1745	15K 5M 12_6	Rear Off	15mm	\	21.52	22.00	0.585	0.65	0.353	0.39	-0.11
0	Body	N66	349000	1745	15K 5M 12_6	Rear On	15mm	\	21.52	22.00	0.217	0.24	0.141	0.16	-0.11
1	Head	N71	136100	680.5	15K 5M 12_6	Cheek Left	0mm	\	23.37	24.00	0.237	0.27	0.146	0.17	-0.02
1	Head	N71	136100	680.5	15K 5M 12_6	Tilt Left	0mm	\	23.37	24.00	0.151	0.17	0.097	0.11	-0.10
1	Head	N71	136100	680.5	15K 5M 12_6	Cheek Right	0mm	F.33	23.37	24.00	0.380	0.44	0.238	0.28	0.09
1	Head	N71	136100	680.5	15K 5M 12_6	Tilt Right	0mm	\	23.37	24.00	0.237	0.27	0.154	0.18	0.14
2	Hotspot	N71	136100	680.5	15K 5M 12_6	Front	10mm	\	23.37	24.00	<0.01	<0.01	<0.01	<0.01	\
2	Hotspot	N71	136100	680.5	15K 5M 12_6	Rear Off	10mm	F.34	23.37	24.00	0.304	0.35	0.224	0.26	-0.09
2	Hotspot	N71	136100	680.5	15K 5M 12_6	Rear On	10mm	\	23.37	24.00	0.237	0.27	0.162	0.19	0.04
2	Hotspot	N71	136100	680.5	15K 5M 12_6	Left	10mm	\	23.37	24.00	0.060	0.07	0.049	0.06	-0.05
2	Hotspot	N71	136100	680.5	15K 5M 12_6	Right	10mm	\	23.37	24.00	0.085	0.10	0.052	0.06	-0.04
2	Hotspot	N71	136100	680.5	15K 5M 12_6	Top	10mm	\	23.37	24.00	<0.01	<0.01	<0.01	<0.01	\
2	Hotspot	N71	136100	680.5	15K 5M 12_6	Bottom	10mm	\	23.37	24.00	0.072	0.08	0.052	0.06	0.14
0	Body	N71	136100	680.5	15K 5M 12_6	Front	15mm	\	23.37	24.00	<0.01	<0.01	<0.01	<0.01	\
0	Body	N71	136100	680.5	15K 5M 12_6	Rear Off	15mm	\	23.37	24.00	0.214	0.25	0.157	0.18	0.07
0	Body	N71	136100	680.5	15K 5M 12_6	Rear On	15mm	\	23.37	24.00	0.161	0.19	0.121	0.14	0.03

13.2 SAR results for WLAN/BT

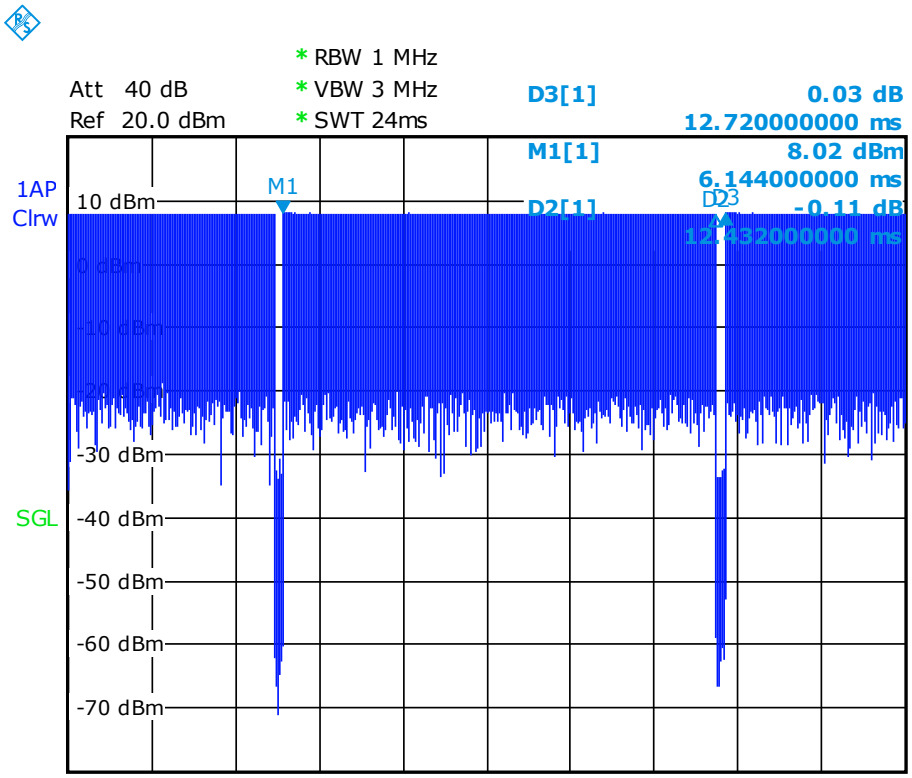
The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default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

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

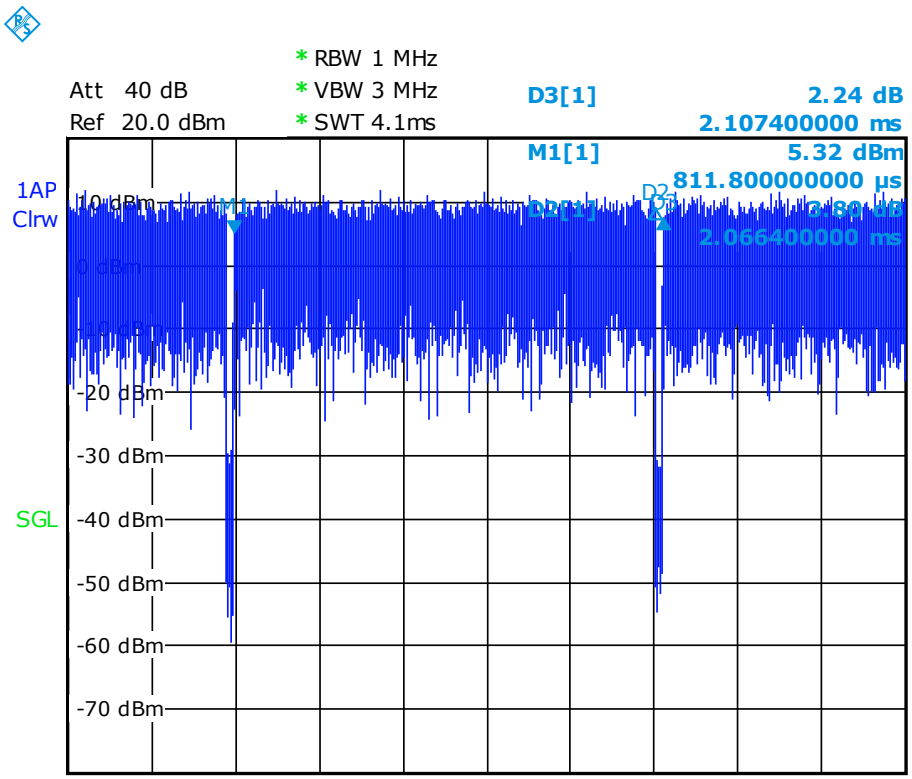
SAR Test reduction was applied from KDB 248227 guidance, when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest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

Duty factor plot

WIFI2.4G



WIFI5G



WLAN 2.4G

DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty cycle
1	Head	WIFI2.4G	6	2437	11b 1M	Cheek Left	0mm	\	20.19	21.00	0.233	0.29	0.094	0.12	0.17	97.7%
1	Head	WIFI2.4G	6	2437	11b 1M	Tilt Left	0mm	\	20.19	21.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
1	Head	WIFI2.4G	11	2462	11b 1M	Cheek Right	0mm	\	20.17	21.00	0.412	0.51	0.183	0.23	-0.10	97.7%
1	Head	WIFI2.4G	6	2437	11b 1M	Cheek Right	0mm	\	20.19	21.00	0.307	0.38	0.139	0.17	0.17	97.7%
1	Head	WIFI2.4G	1	2412	11b 1M	Cheek Right	0mm	F.35	20.18	21.00	0.638	0.79	0.294	0.36	0.12	97.7%
1	Head	WIFI2.4G	6	2437	11b 1M	Tilt Right	0mm	\	20.19	21.00	0.052	0.06	0.020	0.02	-0.15	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Front	10mm	\	20.19	21.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear Off	10mm	\	20.19	21.00	0.141	0.17	0.078	0.10	-0.07	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear On	10mm	\	20.19	21.00	0.179	0.22	0.110	0.14	-0.16	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Left	10mm	\	20.19	21.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
0	Body	WIFI2.4G	11	2462	11b 1M	Right	10mm	\	20.17	21.00	0.159	0.20	0.081	0.10	0.18	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Right	10mm	\	20.19	21.00	0.218	0.27	0.107	0.13	-0.19	97.7%
0	Body	WIFI2.4G	1	2412	11b 1M	Right	10mm	F.36	20.18	21.00	0.229	0.28	0.119	0.15	0.15	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Top	10mm	\	20.19	21.00	0.078	0.10	0.043	0.05	-0.04	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Bottom	10mm	\	20.19	21.00	0.069	0.09	0.038	0.05	-0.08	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Front	15mm	\	20.19	21.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear Off	15mm	\	20.19	21.00	0.084	0.10	0.045	0.06	-0.04	97.7%
0	Body	WIFI2.4G	11	2462	11b 1M	Rear On	15mm	\	20.17	21.00	0.117	0.14	0.065	0.08	0.07	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear On	15mm	\	20.19	21.00	0.108	0.13	0.060	0.07	-0.10	97.7%
0	Body	WIFI2.4G	1	2412	11b 1M	Rear On	15mm	\	20.18	21.00	0.172	0.21	0.097	0.12	0.11	97.7%
1	Head	WIFI2.4G	6	2437	11b 1M	Cheek Left	0mm	\	14.67	16.00	0.136	0.19	0.052	0.07	0.10	97.7%
1	Head	WIFI2.4G	6	2437	11b 1M	Tilt Left	0mm	\	14.67	16.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
1	Head	WIFI2.4G	11	2462	11b 1M	Cheek Right	0mm	\	14.62	16.00	0.240	0.34	0.101	0.14	-0.10	97.7%
1	Head	WIFI2.4G	6	2437	11b 1M	Cheek Right	0mm	\	14.67	16.00	0.179	0.25	0.077	0.11	-0.05	97.7%
1	Head	WIFI2.4G	1	2412	11b 1M	Cheek Right	0mm	\	14.15	16.00	0.372	0.58	0.163	0.26	-0.14	97.7%
1	Head	WIFI2.4G	6	2437	11b 1M	Tilt Right	0mm	\	14.67	16.00	0.030	0.04	0.011	0.02	-0.04	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Front	10mm	\	14.67	16.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear Off	10mm	\	14.67	16.00	0.027	0.04	0.014	0.02	0.01	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear On	10mm	\	14.67	16.00	0.029	0.04	0.013	0.02	-0.09	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Left	10mm	\	14.67	16.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
0	Body	WIFI2.4G	11	2462	11b 1M	Right	10mm	\	14.62	16.00	0.031	0.04	0.014	0.02	0.03	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Right	10mm	\	14.67	16.00	0.028	0.04	0.012	0.02	-0.11	97.7%
0	Body	WIFI2.4G	1	2412	11b 1M	Right	10mm	\	14.15	16.00	0.044	0.07	0.021	0.03	0.04	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Top	10mm	\	14.67	16.00	0.015	0.02	0.008	0.01	-0.16	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Bottom	10mm	\	14.67	16.00	0.013	0.02	0.007	0.01	0.15	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Front	15mm	\	14.67	16.00	<0.01	<0.01	<0.01	<0.01	\	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear Off	15mm	\	14.67	16.00	0.012	0.02	0.006	0.01	-0.15	97.7%
0	Body	WIFI2.4G	11	2462	11b 1M	Rear On	15mm	\	14.62	16.00	0.017	0.02	0.009	0.01	0.06	97.7%
0	Body	WIFI2.4G	6	2437	11b 1M	Rear On	15mm	\	14.67	16.00	0.015	0.02	0.008	0.01	0.15	97.7%
0	Body	WIFI2.4G	1	2412	11b 1M	Rear On	15mm	\	14.15	16.00	0.0247	0.04	0.013	0.02	0.17	97.7%

WLAN 5G

DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty cycle
1	Head	WIFI5G	44	5220	11a 6M	Cheek Left	0mm	\	18.78	20.00	0.118	0.16	0.035	0.05	-0.10	98.0%
1	Head	WIFI5G	44	5220	11a 6M	Tilt Left	0mm	\	18.78	20.00	0.058	0.08	0.009	0.01	0.17	98.0%
1	Head	WIFI5G	44	5220	11a 6M	Cheek Right	0mm	F.37	18.78	20.00	0.186	0.25	0.060	0.08	0.19	98.0%
1	Head	WIFI5G	44	5220	11a 6M	Tilt Right	0mm	\	18.78	20.00	0.064	0.09	0.017	0.02	0.13	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Cheek Left	0mm	\	18.90	20.00	0.128	0.17	0.038	0.05	-0.02	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Tilt Left	0mm	\	18.90	20.00	0.049	0.06	0.012	0.02	0.00	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Cheek Right	0mm	\	18.90	20.00	0.146	0.19	0.052	0.07	0.10	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Tilt Right	0mm	\	18.90	20.00	0.070	0.09	0.015	0.02	0.13	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Cheek Left	0mm	\	18.73	20.00	0.068	0.09	0.017	0.02	-0.04	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Tilt Left	0mm	\	18.73	20.00	0.036	0.05	0.007	0.01	-0.12	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Cheek Right	0mm	\	18.73	20.00	0.086	0.12	0.025	0.03	-0.07	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Tilt Right	0mm	\	18.73	20.00	0.047	0.06	0.009	0.01	-0.03	98.0%
1	Head	WIFI5G	153	5765	11a 6M	Cheek Left	0mm	\	18.62	20.00	0.086	0.12	0.019	0.03	-0.13	98.0%
1	Head	WIFI5G	153	5765	11a 6M	Tilt Left	0mm	\	18.62	20.00	0.049	0.07	0.009	0.01	0.05	98.0%
1	Head	WIFI5G	153	5765	11a 6M	Cheek Right	0mm	\	18.62	20.00	0.085	0.12	0.027	0.04	-0.15	98.0%
1	Head	WIFI5G	153	5765	11a 6M	Tilt Right	0mm	\	18.62	20.00	0.063	0.09	0.014	0.02	-0.11	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Front	10mm	\	18.78	20.00	0.083	0.11	0.046	0.06	0.07	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear Off	10mm	\	18.78	20.00	0.605	0.82	0.353	0.48	0.00	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear On	10mm	\	18.78	20.00	0.669	0.90	0.376	0.51	-0.12	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Left	10mm	\	18.78	20.00	0.051	0.07	0.032	0.04	0.19	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Right	10mm	\	18.78	20.00	0.514	0.69	0.299	0.40	-0.01	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Top	10mm	\	18.78	20.00	0.171	0.23	0.099	0.13	-0.19	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Bottom	10mm	\	18.78	20.00	0.033	0.04	0.014	0.02	-0.03	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Front	10mm	\	18.90	20.00	0.074	0.10	0.045	0.06	-0.08	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear Off	10mm	\	18.90	20.00	0.540	0.71	0.333	0.44	0.10	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear On	10mm	F.38	18.90	20.00	0.839	1.10	0.326	0.43	0.16	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Left	10mm	\	18.90	20.00	0.063	0.08	0.037	0.05	0.15	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Right	10mm	\	18.90	20.00	0.450	0.59	0.261	0.34	0.12	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Top	10mm	\	18.90	20.00	0.349	0.46	0.201	0.26	-0.12	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Bottom	10mm	\	18.90	20.00	0.071	0.09	0.047	0.06	-0.15	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Front	10mm	\	18.73	20.00	0.056	0.08	0.033	0.05	-0.19	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear Off	10mm	\	18.73	20.00	0.317	0.43	0.188	0.26	-0.13	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear On	10mm	\	18.73	20.00	0.322	0.44	0.193	0.26	-0.05	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Left	10mm	\	18.73	20.00	0.036	0.05	0.022	0.03	-0.12	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Right	10mm	\	18.73	20.00	0.325	0.44	0.184	0.25	0.18	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Top	10mm	\	18.73	20.00	0.161	0.22	0.093	0.13	0.14	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Bottom	10mm	\	18.73	20.00	0.040	0.05	0.024	0.03	0.03	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Front	10mm	\	18.62	20.00	0.050	0.07	0.027	0.04	0.09	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Rear Off	10mm	\	18.62	20.00	0.317	0.44	0.192	0.27	-0.13	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Rear On	10mm	\	18.62	20.00	0.344	0.48	0.204	0.29	-0.09	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Left	10mm	\	18.62	20.00	0.048	0.07	0.026	0.04	-0.18	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Right	10mm	\	18.62	20.00	0.329	0.46	0.178	0.25	0.12	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Top	10mm	\	18.62	20.00	0.125	0.18	0.075	0.11	0.11	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Bottom	10mm	\	18.62	20.00	0.046	0.06	0.017	0.02	0.11	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear On	10mm	B2	18.90	20.00	0.811	1.07	0.314	0.41	0.07	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Front	15mm	\	18.78	20.00	0.062	0.08	0.026	0.04	-0.06	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear Off	15mm	\	18.78	20.00	0.400	0.54	0.176	0.24	-0.02	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear On	15mm	\	18.78	20.00	0.571	0.77	0.234	0.32	0.00	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Front	15mm	\	18.90	20.00	0.057	0.07	0.025	0.03	0.02	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear Off	15mm	\	18.90	20.00	0.421	0.55	0.180	0.24	0.12	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear On	15mm	\	18.90	20.00	0.440	0.58	0.191	0.25	0.02	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Front	15mm	\	18.73	20.00	0.042	0.06	0.016	0.02	-0.11	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear Off	15mm	\	18.73	20.00	0.180	0.25	0.080	0.11	-0.11	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear On	15mm	\	18.73	20.00	0.181	0.25	0.083	0.11	-0.05	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Front	15mm	\	18.62	20.00	0.037	0.05	0.011	0.02	0.03	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Rear Off	15mm	\	18.62	20.00	0.183	0.26	0.073	0.10	-0.06	98.0%
0	Body	WIFI5G	153	5765	11a 6M	Rear On	15mm	\	18.62	20.00	0.252	0.35	0.106	0.15	0.01	98.0%

1	Head	WIFI5G	44	5220	11a 6M	Cheek Left	0mm	\	14.64	15.00	0.109	0.12	0.033	0.04	-0.03	98.0%
1	Head	WIFI5G	44	5220	11a 6M	Tilt Left	0mm	\	14.64	15.00	0.054	0.06	0.008	0.01	0.03	98.0%
1	Head	WIFI5G	44	5220	11a 6M	Cheek Right	0mm	\	14.64	15.00	0.159	0.18	0.055	0.06	0.13	98.0%
1	Head	WIFI5G	44	5220	11a 6M	Tilt Right	0mm	\	14.64	15.00	0.059	0.07	0.016	0.02	-0.17	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Cheek Left	0mm	\	14.90	15.00	0.118	0.12	0.036	0.04	0.02	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Tilt Left	0mm	\	14.90	15.00	0.045	0.05	0.012	0.01	-0.11	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Cheek Right	0mm	\	14.90	15.00	0.135	0.14	0.049	0.05	0.18	98.0%
1	Head	WIFI5G	60	5300	11a 6M	Tilt Right	0mm	\	14.90	15.00	0.065	0.07	0.014	0.01	0.16	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Cheek Left	0mm	\	14.95	15.00	0.063	0.07	0.016	0.02	0.19	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Tilt Left	0mm	\	14.95	15.00	0.033	0.03	0.007	0.01	0.13	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Cheek Right	0mm	\	14.95	15.00	0.079	0.08	0.024	0.02	-0.03	98.0%
1	Head	WIFI5G	100	5500	11a 6M	Tilt Right	0mm	\	14.95	15.00	0.043	0.04	0.008	0.01	0.12	98.0%
1	Head	WIFI5G	157	5785	11a 6M	Cheek Left	0mm	\	14.52	15.00	0.079	0.09	0.018	0.02	0.19	98.0%
1	Head	WIFI5G	157	5785	11a 6M	Tilt Left	0mm	\	14.52	15.00	0.045	0.05	0.008	0.01	-0.09	98.0%
1	Head	WIFI5G	157	5785	11a 6M	Cheek Right	0mm	\	14.52	15.00	0.078	0.09	0.026	0.03	-0.12	98.0%
1	Head	WIFI5G	157	5785	11a 6M	Tilt Right	0mm	\	14.52	15.00	0.058	0.07	0.013	0.01	0.07	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Front	10mm	\	14.64	15.00	0.030	0.03	0.012	0.01	-0.18	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear Off	10mm	\	14.64	15.00	0.223	0.25	0.094	0.10	-0.06	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear On	10mm	\	14.64	15.00	0.236	0.26	0.092	0.10	0.07	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Left	10mm	\	14.64	15.00	0.019	0.02	0.009	0.01	-0.15	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Right	10mm	\	14.64	15.00	0.189	0.21	0.079	0.09	-0.15	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Top	10mm	\	14.64	15.00	0.063	0.07	0.026	0.03	-0.08	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Bottom	10mm	\	14.64	15.00	0.012	0.01	0.004	0.00	-0.04	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Front	10mm	\	14.90	15.00	0.027	0.03	0.012	0.01	0.02	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear Off	10mm	\	14.90	15.00	0.199	0.21	0.088	0.09	-0.07	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear On	10mm	\	14.90	15.00	0.259	0.27	0.105	0.11	0.18	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Left	10mm	\	14.90	15.00	0.023	0.02	0.010	0.01	-0.08	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Right	10mm	\	14.90	15.00	0.166	0.17	0.069	0.07	0.12	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Top	10mm	\	14.90	15.00	0.128	0.13	0.053	0.06	-0.07	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Bottom	10mm	\	14.90	15.00	0.026	0.03	0.013	0.01	-0.05	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Front	10mm	\	14.95	15.00	0.021	0.02	0.009	0.01	-0.04	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear Off	10mm	\	14.95	15.00	0.117	0.12	0.050	0.05	0.13	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear On	10mm	\	14.95	15.00	0.119	0.12	0.051	0.05	-0.03	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Left	10mm	\	14.95	15.00	0.013	0.01	0.006	0.01	0.09	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Right	10mm	\	14.95	15.00	0.119	0.12	0.049	0.05	0.06	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Top	10mm	\	14.95	15.00	0.059	0.06	0.025	0.03	-0.04	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Bottom	10mm	\	14.95	15.00	0.015	0.02	0.006	0.01	0.17	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Front	10mm	\	14.52	15.00	0.018	0.02	0.007	0.01	0.06	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Rear Off	10mm	\	14.52	15.00	0.117	0.13	0.051	0.06	0.01	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Rear On	10mm	\	14.52	15.00	0.127	0.14	0.054	0.06	-0.11	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Left	10mm	\	14.52	15.00	0.018	0.02	0.007	0.01	0.03	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Right	10mm	\	14.52	15.00	0.121	0.14	0.047	0.05	0.09	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Top	10mm	\	14.52	15.00	0.046	0.05	0.020	0.02	-0.02	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Bottom	10mm	\	14.52	15.00	0.017	0.02	0.005	0.01	0.15	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Front	15mm	\	14.64	15.00	0.022	0.02	0.009	0.01	-0.08	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear Off	15mm	\	14.64	15.00	0.143	0.16	0.062	0.07	0.06	98.0%
0	Body	WIFI5G	44	5220	11a 6M	Rear On	15mm	\	14.64	15.00	0.176	0.20	0.0745	0.08	0.13	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Front	15mm	\	14.90	15.00	0.020	0.02	0.009	0.01	0.15	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear Off	15mm	\	14.90	15.00	0.151	0.16	0.063	0.07	-0.08	98.0%
0	Body	WIFI5G	60	5300	11a 6M	Rear On	15mm	\	14.90	15.00	0.158	0.16	0.067	0.07	-0.05	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Front	15mm	\	14.95	15.00	0.015	0.02	0.006	0.01	-0.18	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear Off	15mm	\	14.95	15.00	0.065	0.07	0.028	0.03	-0.08	98.0%
0	Body	WIFI5G	100	5500	11a 6M	Rear On	15mm	\	14.95	15.00	0.065	0.07	0.029	0.03	0.18	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Front	15mm	\	14.52	15.00	0.013	0.01	0.004	0.00	0.10	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Rear Off	15mm	\	14.52	15.00	0.066	0.08	0.026	0.03	0.03	98.0%
0	Body	WIFI5G	157	5785	11a 6M	Rear On	15mm	\	14.52	15.00	0.090	0.10	0.037	0.04	0.04	98.0%

BT

DSI	SAR Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
1	**0**	Head	BT	39	2441	DH5	Cheek Left	0mm	\	10.05	12.00	0.064	0.10	0.026	0.04	-0.09
1	**0**	Head	BT	39	2441	DH5	Tilt Left	0mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\
1	**0**	Head	BT	39	2441	DH5	Cheek Right	0mm	F.39	10.05	12.00	0.0980	0.15	0.045	0.07	0.00
1	**0**	Head	BT	39	2441	DH5	Tilt Right	0mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\
0	**3**	Body	BT	39	2441	DH5	Front	10mm	\	10.05	12.00	0.034	0.05	0.017	0.03	0.00
0	**3**	Body	BT	39	2441	DH5	Rear Off	10mm	F.40	10.05	12.00	0.146	0.23	0.062	0.10	0.01
0	**3**	Body	BT	39	2441	DH5	Rear On	10mm	\	10.05	12.00	0.100	0.16	0.052	0.08	0.11
0	**3**	Body	BT	39	2441	DH5	Left	10mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\
0	**3**	Body	BT	39	2441	DH5	Right	10mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\
0	**3**	Body	BT	39	2441	DH5	Top	10mm	\	10.05	12.00	0.044	0.07	0.024	0.04	0.14
0	**3**	Body	BT	39	2441	DH5	Bottom	10mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\
0	**3**	Body	BT	39	2441	DH5	Front	15mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\
0	**3**	Body	BT	39	2441	DH5	Rear Off	15mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\
0	**3**	Body	BT	39	2441	DH5	Rear On	15mm	\	10.05	12.00	<0.01	<0.01	<0.01	<0.01	\

13.3 SAR Evaluation for Phablet

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

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB Publication 865664 D01 to address interactive hand use exposure conditions. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold. The normal tablet procedures in KDB Publication 616217 are required when the overall diagonal dimension of the device is > 20.0 cm. Hotspot mode SAR is not required when normal tablet procedures are applied. Extremity 10-g SAR is also not required for the front (top) surface of larger form factor full size tablets. The more conservative normal tablet SAR results can be used to support phablet mode 10-g extremity SAR.
3. The simultaneous transmission operating configurations applicable to voice and data transmissions for both phone and mini-tablet modes must be taken into consideration separately for 1-g and 10-g SAR to determine the simultaneous transmission SAR test exclusion and measurement requirements for the relevant wireless modes and exposure conditions

DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty cycle
0	Body	LTE Band66	132322	1745	1RB-Mid	Rear Off	0mm	21.46	22.00	2.900	**3.28**	1.500	**1.70**	0.03	
2	Hotspot	N41	500205	2501.01	30K 10M 12_6	Bottom	0mm	20.94	22.00	5.690	**7.26**	2.020	**2.58**	-0.16	
0	Body	WIFI2.4G	6	2437	11b 1M	Rear Off	0mm	14.67	16.00	0.363	**0.50**	0.171	**0.24**	0.13	97.70%
0	Body	WIFI2.4G	6	2437	11b 1M	Bottom	0mm	14.67	16.00	0.058	**0.08**	0.017	**0.02**	-0.13	97.70%
0	Body	WIFI5G	60	5300	11a 6M	Bottom	0mm	14.90	15.00	0.034	**0.04**	0.009	**0.01**	0.09	98.00%
0	Body	WIFI5G	60	5300	11a 6M	Rear Off	0mm	14.90	15.00	0.405	**0.42**	0.137	**0.14**	-0.19	98.00%
0	Body	BT	39	2441	DH5	Rear Off	0mm	10.05	12.00	0.082	0.13	0.031	0.05	0.10	
0	Body	BT	39	2441	DH5	Bottom	0mm	10.05	12.00	0.000	0.00	0.000	0.00	\	

14 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.

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Original SAR 1g (W/kg)	First Repeated SAR 1g (W/kg)	The Ratio	second Repeated SAR 1g (W/kg)
1	Body	GSM850	251	848.8	GPRS(3TX)	Rear Off	10mm	0.931	0.870	1.07	/
1	Body	GSM850	251	848.8	GPRS(3TX)	Rear On	10mm	0.812	0.796	1.02	/
1	Body	GSM850	190	836.6	GPRS(3TX)	Rear On	10mm	0.854	0.813	1.05	/
1	Body	GSM850	128	824.2	GPRS(3TX)	Rear On	10mm	0.807	0.783	1.03	/
1	Body	WCDMA1700	1513	1752.6	RMC	Rear Off	10mm	0.892	0.804	1.11	/
1	Body	WCDMA1700	1312	1712.4	RMC	Rear Off	10mm	0.804	0.796	1.01	/
1	Body	LTE Band5	20525	836.5	1RB-Mid	Rear Off	10mm	0.805	0.725	1.11	/
1	Body	LTE Band41 PC3	40620	2593	1RB-Mid	Bottom	10mm	0.819	0.751	1.09	/
1	Body	LTE Band66	132572	1770	1RB-Mid	Rear Off	10mm	0.841	0.817	1.03	/
1	Body	LTE Band66	132322	1745	1RB-Mid	Rear Off	10mm	0.872	0.830	1.05	/
1	Body	LTE Band66	132572	1770	50RB-Mid	Rear Off	10mm	0.837	0.728	1.15	/
1	Body	LTE Band66	132322	1745	50RB-Mid	Rear Off	10mm	0.859	0.842	1.02	/
1	Body	LTE Band66	132072	1720	50RB-Mid	Rear Off	10mm	0.834	0.765	1.09	/
1	Body	LTE Band66	132322	1745	100RB	Rear Off	10mm	0.836	0.796	1.05	/
1	Body	N41	518598	2592.99	30K 10M 12_6	Bottom	10mm	0.816	0.716	1.14	/
1	Body	N41	500205	2501.01	30K 10M 12_6	Bottom	10mm	0.840	0.757	1.11	/
2	Body	WIFI5G	60	5300	11a 6M	Rear On	10mm	0.839	0.831	1.01	/
2	Body	WIFI5G	60	5300	11a 6M	Rear On	10mm	0.811	0.705	1.15	/

15 Evaluation of Simultaneous

15.1 Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as WLAN and Bluetooth devices which may simultaneously transmit with the licensed transmitter. KDB 447498 D01 provides two procedures for determining simultaneous transmission SAR test exclusion: Sum of SAR and SAR to Peak Location Ratio (SPLSR)

15.1.1 Sum of SAR

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

15.1.2 SAR to Peak Location Ratio (SPLSR)

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

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

Where:

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

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

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

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

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

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

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

15.2 Simultaneous Transmission Capabilities

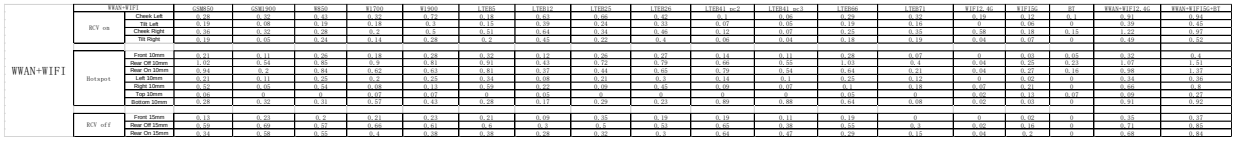
The simultaneous transmission possibilities for this device are listed as below:

Capable Transmit Conf igurations	Head	Body	Product Specific 10-g (0mm)
WWAN + BT	Yes	Yes	Yes
WWAN + Wi-Fi 2.4G	Yes	Yes	Yes
WWAN + Wi-Fi 5G	Yes	Yes	Yes
WWAN + Wi-Fi 5G+BT	Yes	Yes	Yes

Note:

1. Wi-Fi 2.4GHz & Bluetooth can not transmit simultaneously.
2. The reported SAR summation is calculated based on the same configuration and test position.
3. For the devices edges with antennas more than 2.5 cm from edge are not required to be evaluated for SAR, we determined the SAR of this edges were less than 0.01. For the convenience of simultaneous transmission calculation, all SAR values less than 0.01 are uniformly written as 0.00
4. Yellow highlight： SAR result at 10mm is used for conservative evaluation.

15.3 SAR Simultaneous Transmission Analysis



NR+WIFI			N25	N41	N66	N71	WIFI2.4G	WIFI5G	BT	NR+WIFI2.4G	NR+WIFI5G+BT
NR+WIFI	RCV ON	Cheek Left	0.94	0.11	0.4	0.27	0.19	0.12	0.1	1.13	1.16
		Tilt Left	0.26	0.12	0.15	0.17	0	0.06	0	0.26	0.32
		Cheek Right	0.43	0.15	0.14	0.44	0.58	0.18	0.15	1.02	0.77
		Tilt Right	0.17	0.14	0.17	0.27	0.04	0.07	0	0.31	0.34
	Hotspot	Front 10mm	0.18	0.11	0.24	0	0	0.03	0.05	0.24	0.32
		Rear Off 10mm	0.66	0.72	0.89	0.35	0.04	0.25	0.23	0.93	1.37
		Rear On 10mm	0.66	0.71	0.41	0.27	0.04	0.27	0.16	0.75	1.14
		Left 10mm	0.22	0.22	0.25	0.07	0	0.02	0	0.25	0.27
		Right 10mm	0.06	0.04	0.08	0.1	0.07	0.21	0	0.17	0.31
		Top 10mm	0	0	0	0	0.02	0.13	0.07	0.02	0.2
		Bottom 10mm	0.28	1.09	0.62	0.08	0.02	0.03	0	1.11	1.12
	RCV off	Front 15mm	0.14	0.17	0.21	0	0	0.02	0	0.21	0.23
		Rear Off 15mm	0.48	0.78	0.65	0.25	0.02	0.16	0	0.8	0.94
		Rear On 15mm	0.39	0.88	0.24	0.19	0.04	0.2	0	0.92	1.08

15.4 Conclusion

According to the above tables, he highest simultaneous transmission reported SAR values is **1.51W/kg (1g).** The sum of reported SAR values is<1.6W/kg. So the simultaneous transmission SAR with volume scans is not required.

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	√3	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	√3	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	√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	√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	0.4	R	√3	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	√3	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	√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	√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	$u_c^{'} = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$					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	B	5.0	R	√3	0.6	0.49	1.7	1.4	∞

	(target)									
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	

17 MAIN TEST INSTRUMENTS

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	N5239A	MY55491241	May 21, 2024	One year
02	Power sensor	NRP50S	101488	June 5, 2024	One year
03	Power sensor	NRP50S	101489		
04	Signal Generator	MG3700A	6201052605	June 12 2024	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	149646	November 21, 2023	One year
07	BTS	CMW500	159889	January 11, 2024	One year
08	DAE	SPEAG DAE4	1331	September 14,2024	One year
09	E-field Probe	SPEAG EX3DV4	7673	July 29,,2024	One year
10	Dipole Validation Kit	SPEAG D750V3	1017	July 9,2024	One year
11	Dipole Validation Kit	SPEAG D835V2	4d069	July 9,2024	One year
12	Dipole Validation Kit	SPEAG D1750V2	1003	July 11,2024	One year
13	Dipole Validation Kit	SPEAG D1900V2	5d101	July 8,2024	One year
14	Dipole Validation Kit	SPEAG D2450V2	853	July 10,2024	One year
15	Dipole Validation Kit	SPEAG D2600V2	1012	July 10,2024	One year
16	Dipole Validation Kit	SPEAG D5GHzV2	1060	June 12,2024	One year

END OF REPORT BODY

Appendixes

Refer to separated files for the following appendixes

ANNEX A Graph Results

ANNEX B System Verification Results

ANNEX C SAR Measurement Setup

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

ANNEX E Equivalent Media Recipes

ANNEX F System Validation

ANNEX G Probe Calibration Certificate

ANNEX H Dipole Calibration Certificate

ANNEX I Accreditation Certificate