SAR TEST REPORT

No. 25T04Z100757-013

For

TCL Communication Ltd.

GSM/UMTS/LTE/NR Mobile phone

Model Name: T951P

with

Hardware Version: 05

Software Version: 9ESH

FCC ID: 2ACCJH188

Issued Date: 2025-07-04

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.

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REPORT HISTORY

Report Number	Revision	Issue Date	Description
25T04Z100757-013	Rev.0	2025-06-27	Initial creation of test report
25T04Z100757-013	Rev.1	2025-07-04	1. Add photos of Power Density test setup in the file: <The Photos of SAR test - 25T04Z100757-013>. 2. Revise the results of Power Density testing on page142. 3. Add limits for Power Density on page12.

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1 Test Laboratory

1.1. Introduction & Accreditation

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

1.2. Testing Location

Location 1: CTTL(huayuan North Road)

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

1.3. Testing Environment

Normal Temperature:	18-25℃
Relative Humidity:	30-70%

1.4. Project data

Testing Start Date:	2025-05-13
Testing End Date:	2025-07-02

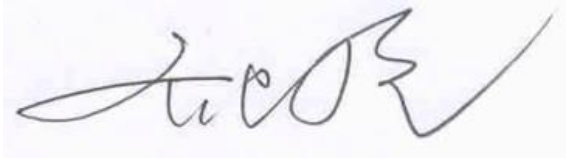
1.5. Signature

Yao Juming

(Prepared this test report)

Lin Jun

(Reviewed this test report)



Qi Dianyuan

Deputy Director of the laboratory

(Approved this test report)

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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 T951P are as follows:

Table 2.1: Highest Reported SAR (1g)

Band	Antenna	Highest Reported SAR (1g)			
		1g SAR Head	1g SAR Hotspot	1g SAR Body-worn	10g SAR Phablet
GSM 850	ANT1	0.05	0.19	0.13	\
PCS 1900	ANT2	1.01	0.84	0.29	\
WCDMA1900	ANT2	0.34	0.63	0.27	\
WCDMA1700	ANT2	0.59	1.18	0.36	\
WCDMA850	ANT1	0.08	0.27	0.15	\
LTE Band 2	ANT3	0.03	0.30	0.14	
LTE Band 7	ANT4	0.39	0.58	0.34	\
LTE Band 7	ANT3	0.02	0.14	0.07	
LTE Band 12/17	ANT1	0.07	0.16	0.08	\
LTE Band 13	ANT1	0.05	0.16	0.08	\
LTE Band 14	ANT1	0.05	0.16	0.08	\
LTE Band 25/2	ANT0	0.62	0.55	0.23	\
LTE Band 26/5	ANT1	0.06	0.23	0.07	\
LTE Band 30	ANT4	0.49	0.54	0.39	\
LTE Band 41/38	ANT4	0.12	0.14	0.04	\
LTE Band 48	ANT7	0.58	0.44	0.17	\
LTE Band 66/4	ANT2	0.79	0.78	0.34	\
LTE Band 66	ANT3	0.02	0.15	0.06	\
LTE Band 71	ANT1	0.20	0.23	0.11	\
n2	ANT2	0.64	0.59	0.29	\
n2	ANT3	0.02	0.28	0.14	\
n5	ANT1	0.06	0.21	0.12	\
n7	ANT4	0.38	0.49	0.26	\
n7	ANT3	0.01	0.15	0.09	\
n12	ANT1	0.04	0.08	0.15	\
n41(n38)	ANT4	0.75	0.62	0.28	\
n48	ANT7	0.94	0.52	0.29	\
n66	ANT2	0.59	0.63	0.28	\
n71	ANT1	0.13	0.17	0.08	\
n78L	ANT7	0.72	0.26	0.14	\
n78L	ANT2	0.06	0.01	<0.01	\
WLAN 2.4 GHz	ANT8	0.53	0.31	0.10	\
WLAN 2.4 GHz	ANT9	0.09	0.03	<0.01	\
WLAN 2.4 GHz	MIMO	0.67	0.36	0.16	\
WLAN 5 GHz	ANT6	0.37	0.20	0.10	\
WLAN 5 GHz	ANT9	0.54	0.20	0.12	\
WLAN 5 GHz	MIMO	0.39	0.37	0.22	\
WLAN 6GHz	ANT6	0.62	0.32	0.13	\

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WLAN 6GHz	ANT9	0.39	0.28	0.15	\
WLAN 6GHz	MIMO	0.03	0.08	0.08	\
BT	ANT7	0.02	0.02	0.01	\

Note1: This DUT has NFC operations. The NFC antenna is integrated into the device for this model. According to KDB 447498 D01v06 and KDB 648474 D04 v01r03 chapter 8, all SAR tests were performed and evaluated with the device which already incorporates the NFC antenna.

Note2: This device supports both (LTE B2/B4/B5/B17/B38,5G NR n38) and (LTE B25/B66/B26/B12/B41, 5G NR n41). Since the supported frequency span for (LTE B2/B4/B5/B17/B38,5G NR n38) falls completely within the supports frequency span for (LTE B25/B66/B26/B12/B41, 5G NR n41), both bands have the same target power, and both bands share the same transmission path; therefore, SAR was only assessed for (LTE B25/B66/B26/B12/B41, 5G NR n41).

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 between this device and the body of the user. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.
The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power output.
The measurement together with the test system set-up is described in annex C of this test report. A detailed description of the equipment under test can be found in chapter 4 of this test report. The highest reported SAR value is obtained at the case of **(Table 2.1),** and the values are**:**
Head: 1.01 W/kg(1g)
Hotspot: 1.18 W/kg(1g)
Body-worn: 0.39 W/kg(1g)

Table 2.2: Simultaneous Transmission-Head

	Position	Main antenna	WiFi	WiFi	BT	Sum
Highest SAR value for Head	Left head, Cheek	1.01 (GSM1900 ANT2)	0.19 (WiFi2.4G ANT8)	0.37 (WiFi5G ANT6)	0.02	**1.59**

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

Table 2.3: Simultaneous Transmission-Body

	Position	Main antenna	WiFi	BT	Sum
Highest SAR value for Body	Right 10mm	1.18 (WCDMA1700 ANT2)	0.22 (WiFi5G MIMO)	<0.01	**1.40**

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

According to the above tables, the highest sum of reported SAR values is **1.59 W/kg (1g)**. The detail for simultaneous transmission consideration is described in chapter 14.
Conclusion:
According to the above tables, the sum of reported SAR values is<1.6W/kg for 1g SAR. So the simultaneous transmission SAR with volume scans is not required.

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Table 2.4: Evaluation of Total exposure ratio for WWAN+WIFI6E PD+BT

	Position	Main antenna	PD (WiFi 6E MIMO)	BT	Total exposure ratio
Highest SAR value for Head	Left Cheek	1.01 (GSM1900 ANT2)	2.69 (WiFi6E ANT9)	0.02	**0.91**
Highest SAR value for Body	Rear 2mm	0.89 (WCDMA1700 ANT2)	0.13 (WiFi6E ANT6)	0.02	**0.58**
Highest SAR value for Body	Right 2mm	1.18 (WCDMA1700 ANT2)	<0.01 (WiFi6E ANT6)	<0.01	**0.74**

Conclusion:

Total exposure ratio calculated by taking ratio of reported SAR divided by SAR limit and adding it to measured power density divided by power density limit. Numerical sum of the two ratios is less than 1.

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3 Client Information

3.1 Applicant Information

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3.2 Manufacturer Information

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

4.1 About EUT

Description:	GSM/UMTS/LTE/NR Mobile phone
Model name:	T951P
Tested Band:	GSM850/1900, WCDMA B2/4/5 LTE Band FDD:2/4/5/7/12/13/14/17/25/26/30/66/71 LTE Band TDD:38/41/48 5G NR n2/n5/n7/n12/n38/n41/n48/n66/n71/n78 BT, Wi-Fi(2.4G), Wi-Fi(5G), Wi-Fi(6E)
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)
	2500 – 2570 MHz(LTE Band 7)
	699 – 716 MHz (LTE Band 12)
	777 –787 MHz (LTE Band 13)
	788 –798 MHz (LTE Band 14)
	704 –716 MHz (LTE Band 17)
	1850 – 1915 MHz (LTE Band 25)
	814 – 849 MHz (LTE Band 26)
	2305 – 2315 MHz (LTE Band 30)
	2570 – 2620 MHz (LTE Band 38)
	2496 – 2690 MHz (LTE Band 41)
	3550 – 3700 MHz (LTE Band 48)
	1710 – 1780 MHz (LTE Band 66)
	663 – 698 MHz (LTE Band 71)
	2412 – 2462 MHz (Wi-Fi 2.4G)
	5180 – 5240 MHz (UNII-1)
	5260 – 5320 MHz (UNII-2A)
	5500 – 5700 MHz (UNII-2C)
	5745 – 5825 MHz (UNII-3)
	5925 – 6425 MHz (UNII-5)
	6425 – 6525 MHz (UNII-6)
	6525 – 6875 MHz (UNII-7)
	6875 – 7125 MHz (UNII-8)
	2400 – 2483.5 MHz (Bluetooth)
	1850 – 1910 MHz(n2)
	824 – 849 MHz(n5)
	2500 – 2570 MHz (n7)
	2570 – 2620 MHz (n38)
	2496 – 2690 MHz (n41)
	3550 – 3700 MHz (n48)
	1710– 1780 MHz (n66)

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	665.5 – 695.5 MHz (n71)
	3450 – 3550 MHz (n78L)
	13.56 MHz (NFC)
GPRS/EGPRS Multislot Class:	33
Test device production information:	Production unit
Device type:	Portable device
Antenna type:	Integrated antenna

4.2 Internal Identification of EUT used during the test

EUT ID*	IMEI/SN	HW Version	SW Version
EUT1	356448870204402/356448870204519	05	9ESH
EUT2	356448870204410/356448870204527	05	9ESH
EUT3	356448870204626/356448870204642	05	9ESH
EUT4	356448870204329/356448870204386	05	9ESH

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

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

4.3 Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer
AE1	Battery	TLp050D7	\	VEKEN

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

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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.

RF Exposure limit for above 6GHz:

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm^2 per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes. Power Density is expressed in units of W/m^2 or mW/cm^2

Human Exposure to Radiofrequency(RF) Radiation Limits		
Frequency Range (MHz)	Power Density (mW/cm2)	Average Time (Minutes)
(A) Limits For Occupational/Controlled Environments		
1,500-100,000	5.0	6
(B) Limits For General Population/Uncontrolled Environments		
1,500-100,000	1.0	30

Note:1.0mW/cm^2 is 10 W/m^2

5.2 Applicable Measurement Standards

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

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

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5.3 KDB and Workshop Procedures

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

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

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

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

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

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

KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04: SAR Measurement Requirements for 100 MHz to 6 GHz.

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

TCB Workshop April 27, 2022: RF Exposure Procedures

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

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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.

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7 Tissue Simulating Liquids

7.1 Targets for tissue simulating liquid

Table 7.1: Targets for tissue simulating liquid(frequency <3GHz)

Frequency(MHz)	Liquid Type	Conductivity(σ)	±5% Range	Permittivity(ε)	± 5% Range
750	Head	0.89	0.85～0.93	41.94	39.8～44.0
835	Head	0.90	0.86～0.95	41.5	39.4～43.6
1750	Head	1.37	1.30～1.44	40.08	38.1～42.1
1900	Head	1.40	1.33～1.47	40.0	38.0～42.0
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
3500	Head	2.91	2.76～3.06	37.93	36.03～39.83
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
6500	Head	6.07	5.77～6.37	34.50	32.78～36.23

7.2 Dielectric Performance

Table 7.3: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Type	Frequency	Permittivity ε	Drift (%)	Conductivity σ (S/m)	Drift (%)
2025/5/25	Head	750 MHz	41.53	-0.98%	0.874	-1.80%
2025/5/13	Head	835 MHz	40.856	-1.55%	0.893	-0.78%
2025/5/16	Head	1800 MHz	40.48	1.20%	1.357	-3.07%
2025/5/18	Head	1800 MHz	40.467	1.17%	1.387	-0.93%
2025/5/21	Head	1900 MHz	39.145	-2.14%	1.37	-2.14%
2025/5/23	Head	1900 MHz	38.97	-2.58%	1.39	-0.71%
2025/5/27	Head	2300 MHz	39.547	0.20%	1.654	-0.96%
2025/6/3	Head	2450 MHz	39.746	1.39%	1.757	-2.39%
2025/5/30	Head	2600 MHz	39.73	1.85%	1.921	-1.99%
2025/6/1	Head	2600 MHz	39.235	0.58%	1.969	0.46%
2025/6/6	Head	3500 MHz	37.34	-1.56%	2.93	0.69%
2025/6/7	Head	3700 MHz	37.365	-0.89%	3.145	0.80%
2025/6/10	Head	5250 MHz	36.747	2.27%	4.78	1.49%
2025/6/11	Head	5600 MHz	36.421	2.51%	4.946	-2.45%
2025/6/12	Head	5750 MHz	36.25	2.52%	5.08	-2.68%
2025/6/15	Head	6500 MHz	35.543	3.02%	5.914	-2.57%
2025/6/18	Head	6500 MHz	35.483	2.85%	5.94	-2.14%

Note: The liquid temperature is 22.0°C

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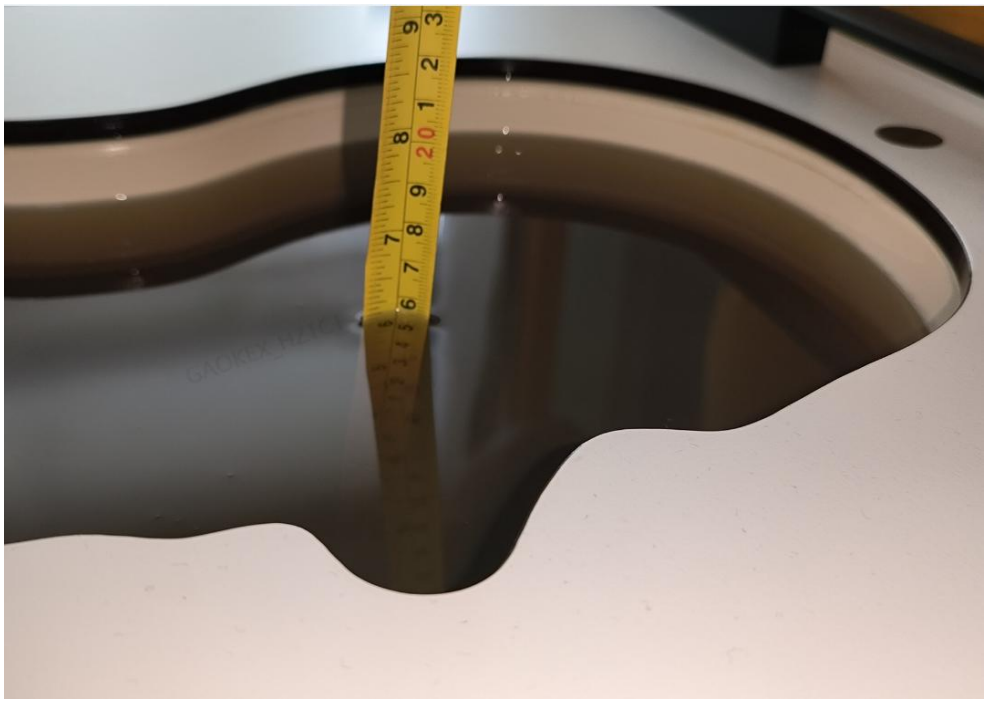
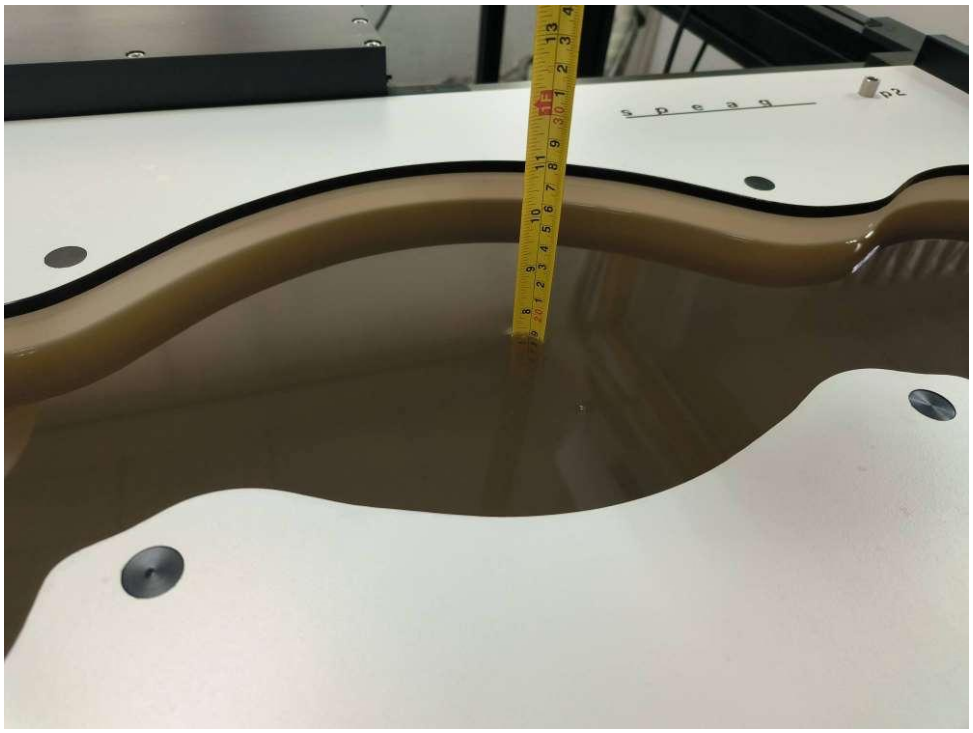


Picture 1 Liquid depth in the Head Phantom



Picture 2 Liquid depth in the Flat Phantom

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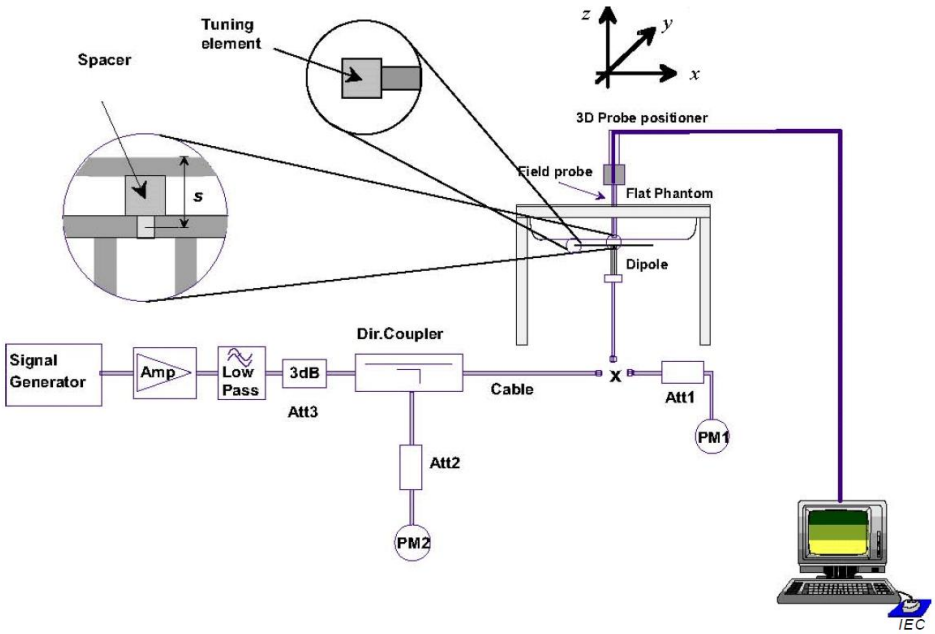
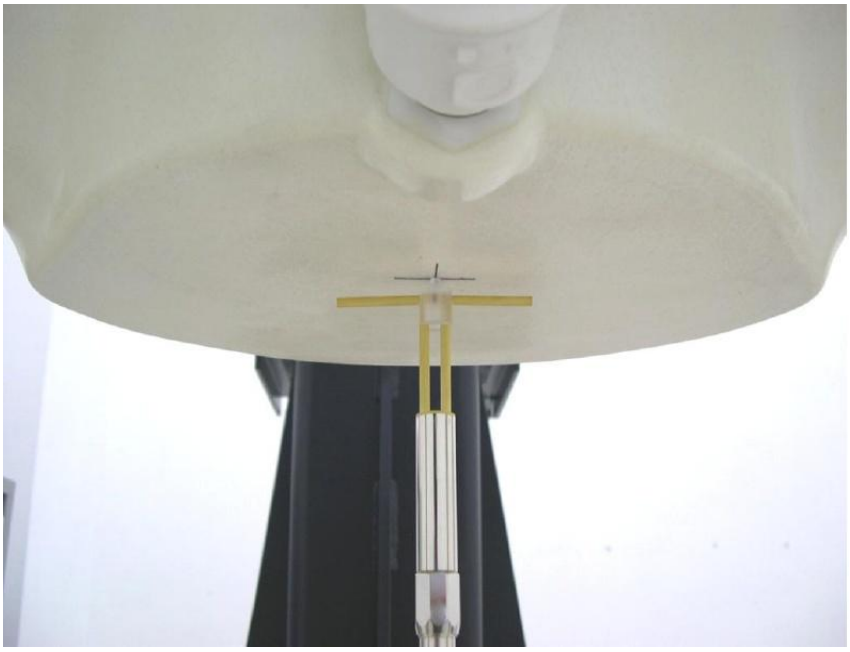
8 System verification

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 3 System Setup for System Evaluation



Picture 4 Photo of Dipole Setup

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8.2 System Verification

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

Table 8.1: System Verification of Head

Measurement Date (yyyy-mm-dd)	Frequency	Target value (W/kg)		Measured value(W/kg)		Deviation	
		10 g Average	1 g Average	10 g Average	1 g Average	10 g Average	1 g Average
2025/5/25	750 MHz	5.53	8.52	5.68	8.72	2.71%	2.35%
2025/5/13	835 MHz	6.09	9.47	5.88	9.16	-3.45%	-3.27%
2025/5/16	1800 MHz	20.6	39.1	19.88	37.64	-3.50%	-3.73%
2025/5/18	1800 MHz	20.6	39.1	20.08	37.96	-2.52%	-2.92%
2025/5/21	1900 MHz	20.6	39.1	20.32	38.6	-1.36%	-1.28%
2025/5/23	1900 MHz	20.6	39.1	20.44	38.68	-0.78%	-1.07%
2025/5/27	2300 MHz	23.3	48.2	23.92	49.36	2.66%	2.41%
2025/6/3	2450 MHz	24.5	52.2	24.88	52.88	1.55%	1.30%
2025/5/30	2600 MHz	24.8	54.9	24.4	54.08	-1.61%	-1.49%
2025/6/1	2600 MHz	24.8	54.9	24.52	54.28	-1.13%	-1.13%
2025/6/6	3500 MHz	25.7	68	25.1	66.7	-2.33%	-1.91%
2025/6/7	3700 MHz	24.9	68.7	24.4	67.4	-2.01%	-1.89%
2025/6/10	5250 MHz	22.4	78.3	22.1	77.4	-1.34%	-1.15%
2025/6/11	5600 MHz	23.2	81.7	23.3	82.3	0.43%	0.73%
2025/6/12	5750 MHz	22.8	79.9	23.1	80.9	1.32%	1.25%
2025/6/15	6500 MHz	55	301	53.5	293	-2.73%	-2.66%
2025/6/18	6500 MHz	55	301	53.1	291	-3.45%	-3.32%

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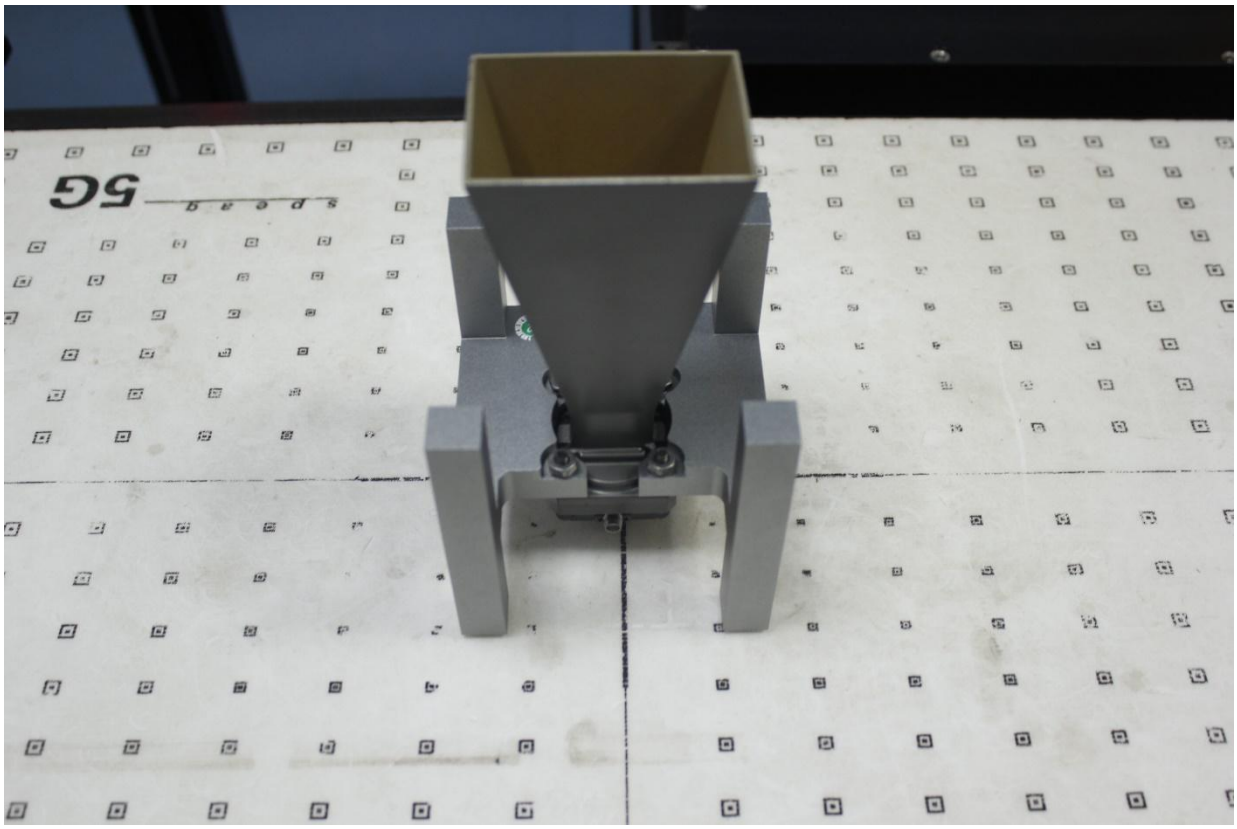
8.3 PD System Performance Check Results

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

Date	Frequency (GHz)	5G Verification Source	Probe S/N	Distance (mm)	Measured 4cm^2 (W/m^2)	Targeted 4cm^2 (W/m^2)	Deviation (dB)
2025/6/13	10	10GHz_1005	9492	10	55.2	54.8	0.03
2025/7/2	10	10GHz_1005	9492	10	53.1	54.8	-0.13



Picture 8.3 System Setup for System Evaluation

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9 Measurement Procedures

9.1 Tests to be performed

In order to determine the highest value of the peak spatial-average SAR of a handset, all device positions, configurations and operational modes shall be tested for each frequency band according to steps 1 to 3 below. A flowchart of the test process is shown in picture 5.

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

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

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

Step 2: For the condition providing highest peak spatial-average SAR determined in Step 1,perform all tests described in 10.2 at all other test frequencies, i.e., lowest and highest frequencies. In addition, for all other conditions (device position, configuration and operational mode) where the peak spatial-average SAR value determined in Step 1 is within3 dB of the applicable SAR limit, it is recommended that all other test frequencies shall be tested as well.

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

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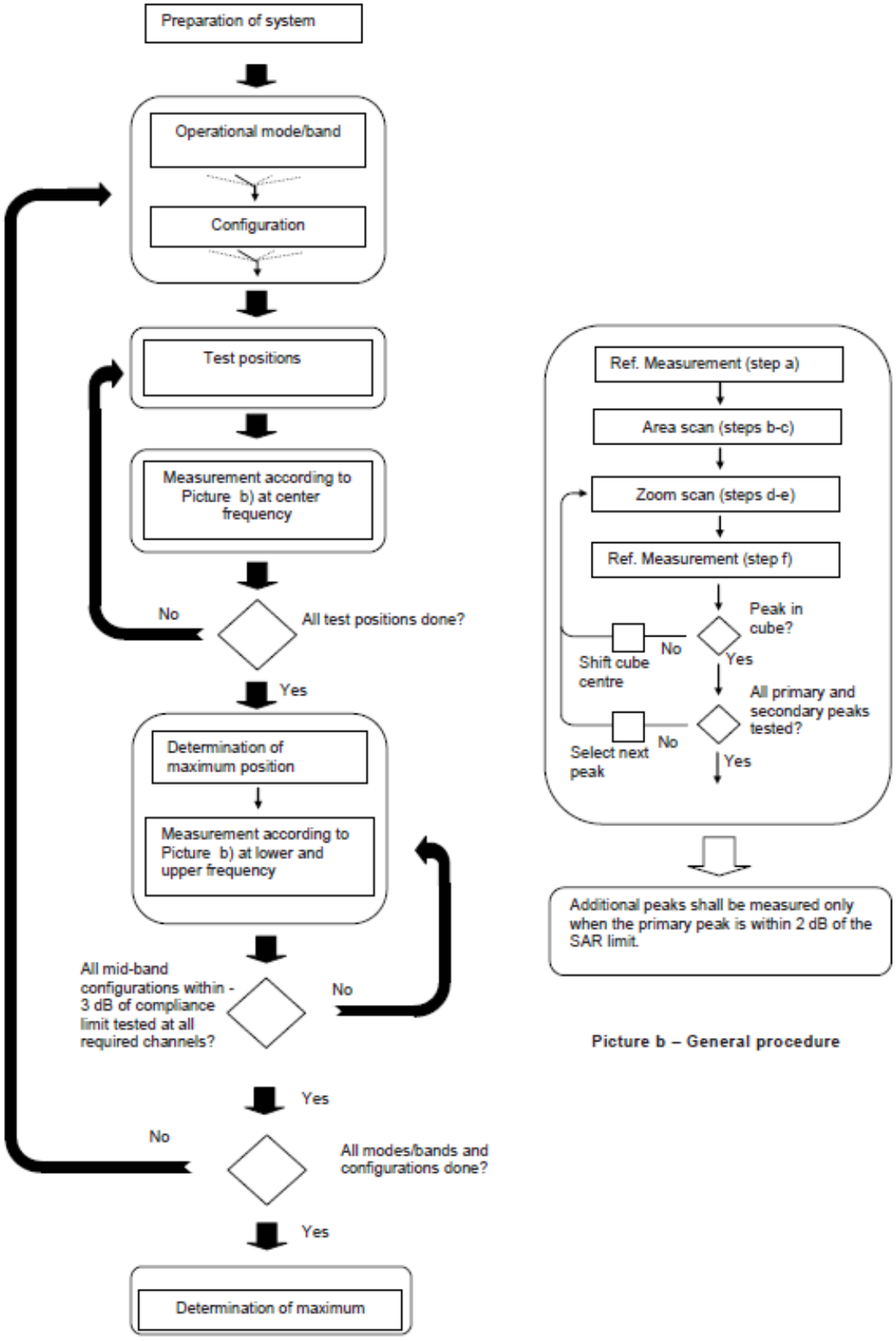

Picture a – Tests to be performed

Picture b – General procedure

Picture 5 Block diagram of the tests to be performed

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9.2 General Measurement Procedure

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

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

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9.3 WCDMA Measurement Procedures for SAR

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

For Release 5 HSDPA Data Devices:

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

For Release 6 HSPA Data Devices

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

Rel.8 DC-HSDPA (Cat 24)

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

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9.4 SAR Measurement for LTE

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

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

TDD test:

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

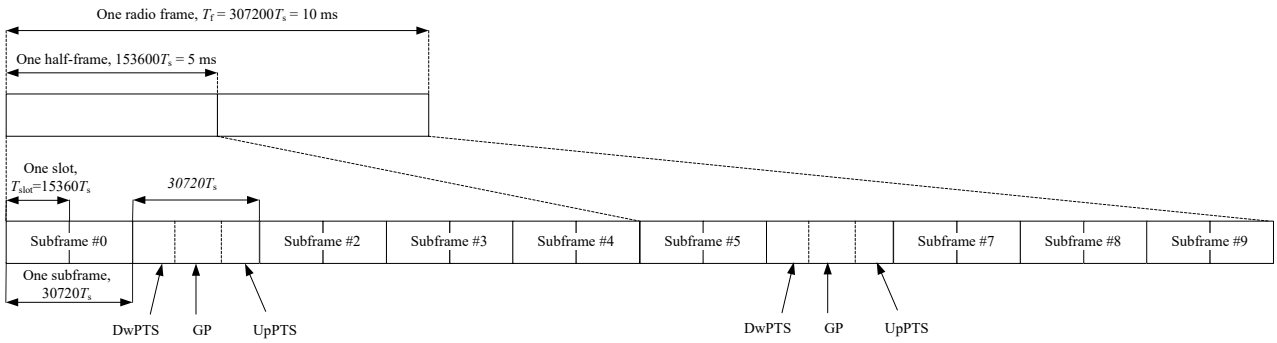

Figure 6: Frame structure type 2 (for 5 ms switch-point periodicity)

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

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

Table 9.2: Uplink-downlink configurations

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

Duty factor is calculated by:

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

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

= 0.633

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9.5 Bluetooth & Wi-Fi Measurement Procedures for SAR

Normal network operating configurations are not suitable for measuring the SAR of 802.11 transmitters in general. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure that the results are consistent and reliable.
Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in a test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurement, according to a fixed modulation and data rate. The same data pattern should be used for all measurements.

9.6 NR Measurement Procedures for SAR

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

9.7 WIFI6E Measurement Procedures for PD

The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.

Per equipment manufacturer guidance, power density was measured at d =2mm using the same grid size and grid step size for some frequencies and surfaces. The integrated Power Density (iPD) was calculated based on these measurements. Since iPD ratio between the two distances is ≥-1dB, the grid step was sufficient for determining compliance at d =2mm.

9.8 Power Drift

To control the output power stability during the SAR test, DASY5/DASY8 system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. These drift values can be found in section14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

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10 Conducted Output Power

G-sensor detects mobile as moving state		
Hotspot off/on +Receiver on	**Hotspot off +Receiver off**	**Hotspot on +Receiver off**
DSI0	**DSI1**	**DSI2**

10.1 GSM Measurement result

GSM850(ANT1 DSI 0/1/2)

GSM 850 Speech (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	32.45	32.04	32.08	33.00	/	/	/	/
GSM 850 GPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	32.34	32.20	32.37	33.00	-9.03	23.31	23.17	23.34
2 Txslots	31.84	31.68	31.98	32.50	-6.02	25.82	25.66	25.96
3 Txslots	30.44	30.41	30.49	31.00	-4.26	26.18	26.15	26.23
4 Txslots	29.25	29.34	29.27	30.00	-3.01	26.24	26.33	26.26
GSM 850 EGPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	32.51	32.02	32.01	33.00	-9.03	23.48	22.99	22.98
2 Txslots	31.97	31.44	31.47	32.50	-6.02	25.95	25.42	25.45
3 Txslots	30.56	29.82	30.07	31.00	-4.26	26.30	25.56	25.81
4 Txslots	29.35	29.32	28.85	30.00	-3.01	26.34	26.31	25.84
GSM 850 EGPRS (8PSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	28.90	28.84	29.45	30.00	-9.03	19.87	19.81	20.42
2 Txslots	28.03	28.10	28.10	29.00	-6.02	22.01	22.08	22.08
3 Txslots	26.45	26.69	26.54	28.00	-4.26	22.19	22.43	22.28
4 Txslots	25.90	25.51	26.42	27.00	-3.01	22.89	22.50	23.41

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GSM1900(ANT2 DSI 0)

GSM 1900 Speech (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	28.42	28.15	28.02	29.00	/	/	/	/
GSM 1900 GPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	28.40	28.33	28.23	29.00	-9.03	19.37	19.30	19.20
2 Txslots	27.82	27.67	27.52	28.50	-6.02	21.80	21.65	21.50
3 Txslots	26.15	25.88	25.74	26.50	-4.26	21.89	21.62	21.48
4 Txslots	24.94	24.72	24.91	25.50	-3.01	21.93	21.71	21.90
GSM 1900 EGPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	28.52	28.32	28.24	29.00	-9.03	19.49	19.29	19.21
2 Txslots	27.94	27.73	27.60	28.50	-6.02	21.92	21.71	21.58
3 Txslots	26.26	25.94	25.82	26.50	-4.26	22.00	21.68	21.56
4 Txslots	25.05	24.78	24.89	25.50	-3.01	22.04	21.77	21.88
GSM 1900 EGPRS (8PSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	25.91	25.85	25.77	26.80	-9.03	16.88	16.82	16.74
2 Txslots	25.46	24.97	24.89	26.00	-6.02	19.44	18.95	18.87
3 Txslots	23.17	23.10	22.99	24.00	-4.26	18.91	18.84	18.73
4 Txslots	22.23	22.13	21.94	23.00	-3.01	19.22	19.12	18.93

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GSM1900(ANT2 DSI 1/2)

GSM 1900 Speech (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	29.22	29.18	29.12	30.00	/	/	/	/
GSM 1900 GPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	29.12	29.06	28.97	30.00	-9.03	20.09	20.03	19.94
2 Txslots	28.61	28.48	28.36	29.50	-6.02	22.59	22.46	22.34
3 Txslots	27.12	26.82	26.64	27.50	-4.26	22.86	22.56	22.38
4 Txslots	25.89	25.62	25.44	26.50	-3.01	22.88	22.61	22.43
GSM 1900 EGPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	29.19	29.26	29.23	30.00	-9.03	20.16	20.23	20.20
2 Txslots	28.67	28.55	28.77	29.50	-6.02	22.65	22.53	22.75
3 Txslots	27.17	27.18	27.07	27.50	-4.26	22.91	22.92	22.81
4 Txslots	25.93	25.98	25.86	26.50	-3.01	22.92	22.97	22.85
GSM 1900 EGPRS (8PSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	26.19	26.08	26.19	26.80	-9.03	17.16	17.05	17.16
2 Txslots	25.47	25.39	25.43	26.00	-6.02	19.45	19.37	19.41
3 Txslots	23.25	23.34	23.25	24.00	-4.26	18.99	19.08	18.99
4 Txslots	22.08	22.32	22.15	23.00	-3.01	19.07	19.31	19.14

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10.2 WCDMA Measurement result

WCDMA1900(ANT2 DSI 0)

Item	band	FDDII result			
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)	Tune up
WCDMA	\	20.51	20.68	20.37	22.00
HSUPA	1	19.60	19.72	19.68	20.50
	2	19.47	19.64	19.75	20.50
	3	19.08	19.21	18.76	20.00
	4	19.45	19.72	19.66	20.00
	5	18.56	18.67	18.62	19.00
HSPA+	\	19.53	19.72	19.74	20.00
DC-HSDPA	1	19.49	19.68	19.76	21.00
	2	19.44	19.64	19.68	21.00
	3	19.07	19.16	19.22	20.50
	4	18.96	19.20	19.17	20.50

WCDMA1900(ANT2 DSI 1/2)

Item	band	FDDII result			
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)	Tune up
WCDMA	\	22.84	23.04	22.95	24.00
HSUPA	1	21.29	21.51	21.02	22.50
	2	21.14	21.36	21.24	22.50
	3	20.67	20.92	21.04	22.00
	4	21.09	21.31	21.46	22.00
	5	20.12	20.34	20.42	21.00
HSPA+	\	21.33	21.51	21.45	22.00
DC-HSDPA	1	21.40	21.57	21.63	23.00
	2	21.32	21.49	21.58	23.00
	3	20.86	21.06	21.04	22.50
	4	20.90	20.97	21.02	22.50

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WCDMA1700(ANT2 DSI 0)

Item	band	FDDIV result			
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)	Tune up
WCDMA	\	20.25	20.33	20.36	22.00
HSUPA	1	19.23	19.08	18.91	20.50
	2	19.27	19.10	18.84	20.00
	3	18.83	18.67	18.38	19.50
	4	19.27	19.12	18.87	20.00
	5	18.25	18.12	17.89	19.00
HSPA+	\	19.29	19.06	18.84	20.00
DC-HSDPA	1	19.22	19.15	19.05	21.00
	2	19.34	19.12	19.05	21.00
	3	18.91	18.63	18.54	20.50
	4	18.79	18.59	18.54	20.50

WCDMA1700(ANT2 DSI 1/2)

Item	band	FDDIV result			
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)	Tune up
WCDMA	\	22.42	22.48	22.52	24.00
HSUPA	1	20.96	20.72	20.61	22.50
	2	20.98	20.81	20.72	22.00
	3	20.14	20.38	20.25	21.50
	4	21.12	20.84	20.66	22.00
	5	20.02	19.85	19.67	21.00
HSPA+	\	20.86	20.65	20.48	22.00
DC-HSDPA	1	21.25	21.09	21.02	23.00
	2	20.91	20.69	20.48	21.50
	3	20.65	20.33	20.14	21.50
	4	20.48	20.24	20.06	21.50

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WCDMA850(ANT1 Power DSI 0/1/2)

Item	band	FDDV result			
	ARFCN	4233 (846.6MHz)	4183 (836.6MHz)	4132 (826.4MHz)	Tune up
WCDMA	\	22.72	22.67	22.58	24.50
HSUPA	1	21.16	21.13	20.74	21.50
	2	21.06	21.05	21.22	21.50
	3	20.77	20.85	20.46	21.50
	4	21.17	21.24	21.29	22.00
	5	20.19	20.37	20.29	21.00
HSPA+	\	21.12	21.20	21.24	22.00
DC-HSDPA	1	21.14	21.22	21.27	23.00
	2	21.12	21.03	21.16	22.50
	3	20.71	20.63	20.75	22.00
	4	20.61	20.63	20.69	22.00

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10.3 LTE Measurement result

Table 10.1: The maximum output power (Tune-up Limit)

G-sensor detects mobile as moving state							
Band	ANT	LTE transmit standalone			ENDC/ULCA		
		Hotspot off/on +Receiver on	Hotspot off +Receiver off	Hotspot on +Receiver off	Hotspot off/on +Receiver on	Hotspot off +Receiver off	Hotspot on +Receiver off
		DSI 0	DSI 1	DSI 2	DSI 3	DSI 4	DSI 5
LTE B2	3	\	\	\	24	24	24
LTE B7	4	21	23	22	21	23	22
LTE B7	3	\	\	\	24	23	22
LTE B12	1	24.5	24.5	24.5	24.5	24.5	24.5
LTE B13	1	24	24	24	24	24	24
LTE B14	1	24	24	24	24	24	24
LTE B25	2	20	24	24	\	\	\
LTE B26	1	24.5	24.5	24.5	\	\	\
LTE B30	4	24	24	24	24	24	24
LTE B41	4	24	24	24	\	\	\
LTE B48	7	22	24	24	22	24	24
LTE B66	2	20.5	22	22	20.5	22	22
LTE B66	3	\	\	\	24.5	24.5	24.5
LTE B71	0	24.5	24.5	24.5	\	\	\

Table 10.2: Maximum Power Reduction (MPR) for LTE

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

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LTE Band2(ANT3 DSI 3/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	21.57	21.72	21.78	18.46
		1880 (18900)	21.44	21.86	21.88	18.44
		1850.7 (18607)	21.54	21.70	21.70	18.51
	1RB-Middle (3)	1909.3 (19193)	21.59	21.86	21.72	18.23
		1880 (18900)	21.56	21.82	21.88	18.48
		1850.7 (18607)	21.63	21.76	21.95	18.36
	1RB-Low (0)	1909.3 (19193)	21.52	21.89	21.81	18.47
		1880 (18900)	21.57	21.72	21.71	18.43
		1850.7 (18607)	21.68	21.83	21.69	18.39
	3RB-High (3)	1909.3 (19193)	21.54	21.74	21.78	18.57
		1880 (18900)	21.51	21.90	21.77	18.48
		1850.7 (18607)	21.34	21.66	21.73	18.36
	3RB-Middle (1)	1909.3 (19193)	21.43	21.84	21.63	18.39
		1880 (18900)	21.44	21.75	21.78	18.35
		1850.7 (18607)	21.61	21.71	21.83	18.31
	3RB-Low (0)	1909.3 (19193)	21.65	21.93	21.80	18.46
		1880 (18900)	21.61	21.79	21.69	18.39
		1850.7 (18607)	21.66	21.67	21.75	18.45
	6RB (0)	1909.3 (19193)	21.43	21.79	20.66	18.35
		1880 (18900)	21.45	21.79	20.64	18.30
		1850.7 (18607)	21.39	21.72	20.68	18.54
3MHz	1RB-High (14)	1908.5 (19185)	21.46	21.89	21.90	18.53
		1880 (18900)	21.40	21.90	21.87	18.55
		1851.5 (18615)	21.40	21.71	21.81	18.34
	1RB-Middle (7)	1908.5 (19185)	21.51	21.76	21.68	18.37
		1880 (18900)	21.52	21.88	21.80	18.37
		1851.5 (18615)	21.47	21.71	21.82	18.40
	1RB-Low (0)	1908.5 (19185)	21.52	21.80	21.82	18.46
		1880 (18900)	21.67	21.71	21.81	18.45
		1851.5 (18615)	21.70	21.73	21.82	18.45
	8RB-High (7)	1908.5 (19185)	21.39	21.81	20.48	18.47
		1880 (18900)	21.43	21.79	20.64	18.58
		1851.5 (18615)	21.44	21.85	20.77	18.40
	8RB-Middle (4)	1908.5 (19185)	21.47	21.87	20.50	18.45
		1880 (18900)	21.53	21.72	20.70	18.46
		1851.5 (18615)	21.40	21.75	20.58	18.37
	8RB-Low (0)	1908.5 (19185)	21.36	21.82	20.68	18.59
		1880 (18900)	21.49	21.77	20.59	18.45

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		1851.5 (18615)	21.49	21.78	20.48	18.33
	15RB (0)	1908.5 (19185)	21.47	21.63	20.70	18.50
		1880 (18900)	21.43	21.62	20.63	18.36
		1851.5 (18615)	21.36	21.67	20.73	18.43
5MHz	1RB-High (24)	1907.5 (19175)	21.43	21.87	21.79	18.38
		1880 (18900)	21.55	21.74	21.75	18.58
		1852.5 (18625)	21.37	21.83	21.69	18.43
	1RB-Middle (12)	1907.5 (19175)	21.51	21.79	21.63	18.38
		1880 (18900)	21.48	21.71	21.90	18.40
		1852.5 (18625)	21.44	21.72	21.89	18.38
	1RB-Low (0)	1907.5 (19175)	21.45	21.92	21.81	18.41
		1880 (18900)	21.62	21.74	21.71	18.30
		1852.5 (18625)	21.66	21.78	21.74	18.45
	12RB-High (13)	1907.5 (19175)	21.50	21.84	20.66	18.57
		1880 (18900)	21.35	21.92	20.73	18.54
		1852.5 (18625)	21.52	21.82	20.79	18.46
	12RB-Middle (6)	1907.5 (19175)	21.52	21.86	20.65	18.57
		1880 (18900)	21.35	21.78	20.72	18.39
		1852.5 (18625)	21.50	21.76	20.61	18.42
	12RB-Low (0)	1907.5 (19175)	21.49	21.85	20.66	18.54
		1880 (18900)	21.44	21.87	20.57	18.31
		1852.5 (18625)	21.50	21.75	20.55	18.49
	25RB (0)	1907.5 (19175)	21.39	21.69	20.55	18.52
		1880 (18900)	21.43	21.77	20.71	18.44
		1852.5 (18625)	21.43	21.69	20.74	18.41
10MHz	1RB-High (49)	1905 (19150)	21.57	21.89	21.86	18.49
		1880 (18900)	21.52	21.88	21.86	18.54
		1855 (18650)	21.46	21.73	21.82	18.48
	1RB-Middle (24)	1905 (19150)	21.51	21.70	21.77	18.41
		1880 (18900)	21.56	21.69	21.89	18.32
		1855 (18650)	21.52	21.89	21.83	18.43
	1RB-Low (0)	1905 (19150)	21.45	21.92	21.92	18.34
		1880 (18900)	21.60	21.88	21.68	18.36
		1855 (18650)	21.57	21.69	21.80	18.46
	25RB-High (25)	1905 (19150)	21.37	21.87	20.53	18.47
		1880 (18900)	21.35	21.79	20.63	18.46
		1855 (18650)	21.51	21.79	20.70	18.47
	25RB-Middle (12)	1905 (19150)	21.37	21.74	20.61	18.57
		1880 (18900)	21.52	21.81	20.76	18.39
		1855 (18650)	21.39	21.77	20.52	18.38
	25RB-Low (0)	1905 (19150)	21.50	21.90	20.73	18.45

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		1880 (18900)	21.57	21.82	20.49	18.48
		1855 (18650)	21.54	21.65	20.48	18.52
	50RB (0)	1905 (19150)	21.45	21.81	20.61	18.52
		1880 (18900)	21.38	21.73	20.66	18.26
		1855 (18650)	21.54	21.69	20.72	18.44
15MHz	1RB-High (74)	1902.5 (19125)	21.43	21.76	21.90	18.41
		1880 (18900)	21.54	21.87	21.81	18.55
		1857.5 (18675)	21.34	21.72	21.66	18.35
	1RB-Middle (37)	1902.5 (19125)	21.49	21.74	21.63	18.39
		1880 (18900)	21.56	21.76	21.77	18.32
		1857.5 (18675)	21.52	21.79	21.98	18.43
	1RB-Low (0)	1902.5 (19125)	21.65	21.90	21.86	18.50
		1880 (18900)	21.58	21.71	21.83	18.44
		1857.5 (18675)	21.58	21.77	21.68	18.43
	36RB-High (38)	1902.5 (19125)	21.50	21.92	20.52	18.37
		1880 (18900)	21.54	21.88	20.66	18.54
		1857.5 (18675)	21.39	21.79	20.65	18.47
	36RB-Middle (19)	1902.5 (19125)	21.45	21.90	20.55	18.49
		1880 (18900)	21.46	21.72	20.70	18.30
		1857.5 (18675)	21.54	21.84	20.46	18.44
	36RB-Low (0)	1902.5 (19125)	21.40	21.71	20.60	18.52
		1880 (18900)	21.39	21.79	20.58	18.34
		1857.5 (18675)	21.53	21.77	20.56	18.38
	75RB (0)	1902.5 (19125)	21.39	21.75	20.70	18.39
		1880 (18900)	21.43	21.72	20.53	18.30
		1857.5 (18675)	21.44	21.69	20.73	18.45
20MHz	1RB-High (99)	1900 (19100)	21.51	21.81	21.83	18.48
		1880 (18900)	21.48	21.80	21.79	18.50
		1860 (18700)	21.44	21.73	21.75	18.43
	1RB-Middle (50)	1900 (19100)	21.52	21.76	21.72	18.33
		1880 (18900)	21.46	21.79	21.81	18.38
		1860 (18700)	21.53	21.80	21.88	18.40
	1RB-Low (0)	1900 (19100)	21.55	21.89	21.82	18.43
		1880 (18900)	21.57	21.80	21.76	18.35
		1860 (18700)	21.62	21.73	21.78	18.42
	50RB-High (50)	1900 (19100)	21.43	21.89	20.57	18.47
		1880 (18900)	21.45	21.87	20.66	18.49
		1860 (18700)	21.42	21.80	20.73	18.37
	50RB-Middle (25)	1900 (19100)	21.46	21.84	20.56	18.50
		1880 (18900)	21.44	21.75	20.69	18.36
		1860 (18700)	21.47	21.85	20.56	18.40

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	50RB-Low (0)	1900 (19100)	21.45	21.81	20.66	18.49
		1880 (18900)	21.47	21.77	20.57	18.40
		1860 (18700)	21.49	21.75	20.58	18.42
	100RB (0)	1900 (19100)	21.43	21.73	20.65	18.42
		1880 (18900)	21.45	21.71	20.62	18.34
		1860 (18700)	21.46	21.77	20.65	18.50

LTE Band7(ANT4 DSI 0/3)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	19.85	20.14	20.16	17.87
		2535 (21100)	19.92	20.33	19.99	17.73
		2502.5 (20775)	19.85	20.11	19.96	17.84
	1RB-Middle (12)	2567.5 (21425)	19.95	20.16	20.04	17.65
		2535 (21100)	20.12	20.17	20.28	17.64
		2502.5 (20775)	19.69	20.13	19.92	17.77
	1RB-Low (0)	2567.5 (21425)	19.84	20.11	20.01	18.05
		2535 (21100)	19.95	20.41	20.21	17.8
		2502.5 (20775)	19.69	19.84	19.89	17.77
	12RB-High (13)	2567.5 (21425)	19.79	19.99	19.94	17.6
		2535 (21100)	20.12	20.02	20.08	17.85
		2502.5 (20775)	19.77	19.78	19.72	17.74
	12RB-Middle (6)	2567.5 (21425)	20.02	19.9	20	17.86
		2535 (21100)	19.92	20.11	19.99	17.59
		2502.5 (20775)	19.74	19.68	19.66	17.65
	12RB-Low (0)	2567.5 (21425)	19.89	19.86	19.9	17.96
		2535 (21100)	19.99	19.9	19.93	17.93
		2502.5 (20775)	19.76	19.63	19.67	18.06
	25RB (0)	2567.5 (21425)	19.97	19.92	19.95	17.83
		2535 (21100)	20.01	20.01	19.92	17.93
		2502.5 (20775)	19.66	19.76	19.71	17.76
10MHz	1RB-High (49)	2565 (21400)	19.97	20	20.13	17.92
		2535 (21100)	19.93	20.35	20.05	17.54
		2505 (20800)	19.74	20.23	20.02	17.83
	1RB-Middle (24)	2565 (21400)	19.92	20.25	19.97	17.69
		2535 (21100)	20.17	20.18	20.15	17.66
		2505 (20800)	19.91	20.2	19.79	17.78
	1RB-Low (0)	2565 (21400)	19.83	20.01	19.95	17.91
		2535 (21100)	20.08	20.24	20.22	17.81
		2505 (20800)	19.57	19.93	19.67	17.83
	25RB-High (25)	2565 (21400)	19.83	19.85	19.84	17.6

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		2535 (21100)	20.02	19.87	19.98	18.06
		2505 (20800)	19.77	19.68	19.86	17.65
	25RB-Middle (12)	2565 (21400)	19.87	20.03	19.79	18.08
		2535 (21100)	20.09	19.93	20.02	17.73
		2505 (20800)	19.9	19.91	19.84	17.76
	25RB-Low (0)	2565 (21400)	19.9	19.83	19.79	17.84
		2535 (21100)	19.94	20.15	20.12	17.86
		2505 (20800)	19.65	19.6	19.61	17.98
	50RB (0)	2565 (21400)	19.85	19.77	19.95	17.9
		2535 (21100)	20.04	19.94	19.92	18.01
		2505 (20800)	19.74	19.8	19.81	17.68
15MHz	1RB-High (74)	2562.5 (21375)	19.83	20.17	20.17	17.94
		2535 (21100)	19.94	20.26	20.15	17.57
		2507.5 (20825)	19.9	20.1	20.13	17.8
	1RB-Middle (37)	2562.5 (21375)	19.74	20.07	20.17	17.68
		2535 (21100)	20.04	20.04	20.28	17.79
		2507.5 (20825)	19.77	20.15	19.92	17.91
	1RB-Low (0)	2562.5 (21375)	19.93	20.01	19.98	17.81
		2535 (21100)	19.95	20.33	20.16	17.73
		2507.5 (20825)	19.51	19.74	19.71	17.87
	36RB-High (38)	2562.5 (21375)	19.75	19.92	19.87	17.71
		2535 (21100)	19.98	20.09	20.02	17.98
		2507.5 (20825)	19.78	19.69	19.84	17.66
	36RB-Middle (19)	2562.5 (21375)	19.83	20	19.92	18.03
		2535 (21100)	19.92	19.97	19.88	17.59
		2507.5 (20825)	19.9	19.82	19.65	17.76
	36RB-Low (0)	2562.5 (21375)	19.89	19.77	19.92	17.89
		2535 (21100)	20.06	20.05	20	17.85
		2507.5 (20825)	19.62	19.75	19.78	18.06
	75RB (0)	2562.5 (21375)	19.93	20.01	19.95	18.02
		2535 (21100)	19.93	19.9	20.05	17.96
		2507.5 (20825)	19.73	19.8	19.65	17.6
20MHz	1RB-High (99)	2560 (21350)	19.98	20.08	20.16	17.89
		2535 (21100)	19.98	20.27	20.08	17.68
		2510 (20850)	19.89	20.16	20.05	17.82
	1RB-Middle (50)	2560 (21350)	19.88	20.18	20.1	17.79
		2535 (21100)	20.08	20.12	20.2	17.71
		2510 (20850)	19.83	20.11	19.93	17.82
	1RB-Low (0)	2560 (21350)	19.92	20.14	20.08	17.95
		2535 (21100)	20	20.31	20.21	17.73
		2510 (20850)	19.65	19.83	19.79	17.88

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	50RB-High (50)	2560 (21350)	19.88	19.91	19.9	17.68
		2535 (21100)	20.05	20.02	20.05	17.99
		2510 (20850)	19.83	19.83	19.82	17.79
	50RB-Middle (25)	2560 (21350)	19.94	19.96	19.93	17.99
		2535 (21100)	20.06	20.04	20.03	17.68
		2510 (20850)	19.8	19.83	19.79	17.74
	50RB-Low (0)	2560 (21350)	19.94	19.92	19.91	17.92
		2535 (21100)	20.05	20.05	20.03	17.88
		2510 (20850)	19.74	19.71	19.72	17.97
	100RB (0)	2560 (21350)	19.9	19.92	19.92	17.96
		2535 (21100)	20.04	20.04	20.04	17.97
		2510 (20850)	19.76	19.76	19.75	17.71

LTE Band7(ANT4 DSI 1/4)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	21.76	21.71	21.14	18.06
		2535 (21100)	22.02	22.12	21.06	17.98
		2502.5 (20775)	21.76	22.16	21.02	17.84
	1RB-Middle (12)	2567.5 (21425)	21.92	21.93	20.9	18.16
		2535 (21100)	22.09	22.3	21.22	18.01
		2502.5 (20775)	21.53	21.8	21.07	18.04
	1RB-Low (0)	2567.5 (21425)	22.11	22.19	21.02	17.94
		2535 (21100)	21.83	22.22	21.13	18.22
		2502.5 (20775)	21.49	21.48	20.63	17.98
	12RB-High (13)	2567.5 (21425)	21.7	20.8	19.79	18.04
		2535 (21100)	22.31	20.96	20.11	17.99
		2502.5 (20775)	21.55	20.84	19.94	17.93
	12RB-Middle (6)	2567.5 (21425)	21.86	20.86	19.98	17.9
		2535 (21100)	22.11	21.11	19.94	18.05
		2502.5 (20775)	21.58	20.68	19.78	17.77
	12RB-Low (0)	2567.5 (21425)	21.95	20.86	19.86	17.92
		2535 (21100)	22.18	21.17	20.01	17.97
		2502.5 (20775)	21.6	20.66	19.61	18.22
	25RB (0)	2567.5 (21425)	21.91	20.89	19.85	18.03
		2535 (21100)	22.21	20.92	19.9	18.07
		2502.5 (20775)	21.5	20.82	19.85	18.08
10MHz	1RB-High (49)	2565 (21400)	21.61	21.87	21.14	18.11
		2535 (21100)	22.06	21.96	20.94	17.81
		2505 (20800)	21.94	22.15	21	17.96
	1RB-Middle (24)	2565 (21400)	21.72	21.89	20.9	18.07

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		2535 (21100)	22.03	22.17	21.23	17.98
		2505 (20800)	21.4	21.76	21.1	18
	1RB-Low (0)	2565 (21400)	22.11	22.11	20.96	17.81
		2535 (21100)	21.95	22.3	21.2	18.02
		2505 (20800)	21.32	21.6	20.66	17.95
	25RB-High (25)	2565 (21400)	21.8	20.78	19.92	17.89
		2535 (21100)	22.16	21.01	19.97	18.13
		2505 (20800)	21.47	20.94	19.94	18.06
	25RB-Middle (12)	2565 (21400)	21.92	20.85	19.96	17.92
		2535 (21100)	22.07	21.02	19.96	18.1
		2505 (20800)	21.45	20.88	19.83	17.91
	25RB-Low (0)	2565 (21400)	22.01	21.04	19.83	17.79
		2535 (21100)	22.08	21.08	20.13	18.03
		2505 (20800)	21.57	20.66	19.75	18.24
	50RB (0)	2565 (21400)	21.92	20.95	19.99	17.89
		2535 (21100)	22.07	21.07	20.08	18.1
		2505 (20800)	21.45	20.7	19.75	18.22
15MHz	1RB-High (74)	2562.5 (21375)	21.65	21.91	21.18	18.06
		2535 (21100)	22	21.98	21.05	18.01
		2507.5 (20825)	21.95	22.12	21.02	17.89
	1RB-Middle (37)	2562.5 (21375)	21.86	22.03	21.12	18.07
		2535 (21100)	22.24	22.34	21.29	18.04
		2507.5 (20825)	21.56	21.72	20.95	18.11
	1RB-Low (0)	2562.5 (21375)	21.94	22.09	21.02	18.03
		2535 (21100)	21.85	22.13	21.13	18.09
		2507.5 (20825)	21.39	21.57	20.62	17.9
	36RB-High (38)	2562.5 (21375)	21.6	21.02	19.93	17.88
		2535 (21100)	22.23	21.14	19.9	17.94
		2507.5 (20825)	21.52	20.97	19.73	18.01
	36RB-Middle (19)	2562.5 (21375)	21.73	20.91	19.96	17.82
		2535 (21100)	22.16	21.06	19.96	18.05
		2507.5 (20825)	21.64	20.78	19.77	17.98
	36RB-Low (0)	2562.5 (21375)	21.9	20.98	19.89	17.94
		2535 (21100)	22.17	20.96	20.12	18.07
		2507.5 (20825)	21.42	20.67	19.8	18.05
	75RB (0)	2562.5 (21375)	21.78	20.83	19.99	18
		2535 (21100)	22.21	20.9	20.05	18.15
		2507.5 (20825)	21.53	20.7	19.71	18.05
20MHz	1RB-High (99)	2560 (21350)	21.66	21.85	21.09	18.17
		2535 (21100)	22.11	22.05	21.09	17.94
		2510 (20850)	21.85	22.09	21.1	17.99

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	1RB-Middle (50)	2560 (21350)	21.83	21.99	21.04	18.15
		2535 (21100)	22.17	22.32	21.23	18.02
		2510 (20850)	21.54	21.78	21.01	18.01
	1RB-Low (0)	2560 (21350)	22.03	22.23	21.06	17.95
		2535 (21100)	21.97	22.24	21.22	18.16
		2510 (20850)	21.43	21.54	20.73	18.05
	50RB-High (50)	2560 (21350)	21.7	20.92	19.89	17.99
		2535 (21100)	22.22	21.09	20.05	18.05
		2510 (20850)	21.62	20.88	19.88	18.02
	50RB-Middle (25)	2560 (21350)	21.83	20.98	19.95	17.94
		2535 (21100)	22.17	21.09	20.04	18.11
		2510 (20850)	21.58	20.83	19.85	17.91
	50RB-Low (0)	2560 (21350)	21.97	20.95	19.93	17.9
		2535 (21100)	22.12	21.09	20.05	18.06
		2510 (20850)	21.51	20.77	19.75	18.14
	100RB (0)	2560 (21350)	21.86	20.92	19.92	17.99
		2535 (21100)	22.17	21.04	20.04	18.08
		2510 (20850)	21.55	20.79	19.75	18.13

LTE Band7(ANT4 DSI 2/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	21	21.15	21.12	17.92
		2535 (21100)	20.92	21.12	20.89	17.84
		2502.5 (20775)	20.85	21.14	21.01	17.6
	1RB-Middle (12)	2567.5 (21425)	20.83	21.14	21.11	17.69
		2535 (21100)	21.04	21.22	21.25	17.78
		2502.5 (20775)	20.87	21.17	20.92	17.96
	1RB-Low (0)	2567.5 (21425)	20.87	21.17	21.11	17.74
		2535 (21100)	20.89	21.45	21.02	17.74
		2502.5 (20775)	20.71	20.91	20.79	17.92
	12RB-High (13)	2567.5 (21425)	21.02	20.76	19.93	17.9
		2535 (21100)	21.05	21.15	20.02	17.53
		2502.5 (20775)	20.92	20.73	19.75	17.81
	12RB-Middle (6)	2567.5 (21425)	20.92	20.88	20.07	17.51
		2535 (21100)	21.17	20.91	20.04	17.69
		2502.5 (20775)	20.7	20.85	19.95	17.82
	12RB-Low (0)	2567.5 (21425)	20.87	20.85	19.97	17.79
		2535 (21100)	21.08	21.09	20.03	17.93
		2502.5 (20775)	20.77	20.7	19.68	17.5
	25RB (0)	2567.5 (21425)	20.81	20.97	19.86	17.57

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		2535 (21100)	21.1	20.96	19.98	17.99
		2502.5 (20775)	20.79	20.65	19.76	17.73
10MHz	1RB-High (49)	2565 (21400)	20.84	21.21	21.18	17.77
		2535 (21100)	21.13	21.24	21.07	17.94
		2505 (20800)	20.9	21.13	21.15	17.78
	1RB-Middle (24)	2565 (21400)	20.96	21.14	21.02	17.72
		2535 (21100)	21.25	21.26	21.21	17.79
		2505 (20800)	20.88	21.05	20.96	18.05
	1RB-Low (0)	2565 (21400)	21.03	21.06	21.09	17.69
		2535 (21100)	20.96	21.28	21.21	17.9
		2505 (20800)	20.67	20.85	20.92	17.9
	25RB-High (25)	2565 (21400)	20.88	20.91	19.98	18.03
		2535 (21100)	21.05	20.91	20.09	17.6
		2505 (20800)	20.75	20.9	19.69	17.83
	25RB-Middle (12)	2565 (21400)	20.86	20.92	19.85	17.48
		2535 (21100)	21.07	21.07	20.12	17.82
		2505 (20800)	20.69	20.77	19.96	17.61
	25RB-Low (0)	2565 (21400)	20.91	20.98	19.91	17.97
		2535 (21100)	20.96	20.92	20.15	17.95
		2505 (20800)	20.77	20.68	19.64	17.62
	50RB (0)	2565 (21400)	20.95	20.93	19.92	17.79
		2535 (21100)	21.09	21.17	20.11	17.87
		2505 (20800)	20.74	20.66	19.85	17.89
15MHz	1RB-High (74)	2562.5 (21375)	20.86	21.27	21.04	17.76
		2535 (21100)	20.91	21.22	20.99	17.84
		2507.5 (20825)	20.8	21.19	20.97	17.79
	1RB-Middle (37)	2562.5 (21375)	20.83	21.12	21.05	17.76
		2535 (21100)	21.17	21.16	21.2	17.97
		2507.5 (20825)	20.92	21.19	20.83	17.91
	1RB-Low (0)	2562.5 (21375)	20.99	21.08	20.91	17.65
		2535 (21100)	21	21.44	21.08	17.74
		2507.5 (20825)	20.75	20.91	20.83	17.72
	36RB-High (38)	2562.5 (21375)	20.87	20.86	19.98	18.04
		2535 (21100)	21.06	21.05	20	17.5
		2507.5 (20825)	20.91	20.81	19.92	17.8
	36RB-Middle (19)	2562.5 (21375)	21.01	21.05	19.87	17.68
		2535 (21100)	21	21.1	19.95	17.77
		2507.5 (20825)	20.74	20.93	19.81	17.63
	36RB-Low (0)	2562.5 (21375)	20.89	20.85	19.79	17.98
		2535 (21100)	21.11	21.17	19.92	17.98
		2507.5 (20825)	20.77	20.74	19.69	17.56

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	75RB (0)	2562.5 (21375)	20.78	20.9	19.88	17.61
		2535 (21100)	21	21.16	20.03	17.83
		2507.5 (20825)	20.74	20.63	19.7	17.89
20MHz	1RB-High (99)	2560 (21350)	20.93	21.26	21.14	17.87
		2535 (21100)	21.03	21.16	21.03	17.91
		2510 (20850)	20.94	21.24	21.11	17.75
	1RB-Middle (50)	2560 (21350)	20.94	21.12	21.11	17.82
		2535 (21100)	21.18	21.29	21.19	17.9
		2510 (20850)	20.91	21.2	20.93	17.96
	1RB-Low (0)	2560 (21350)	21.02	21.1	21.04	17.8
		2535 (21100)	21.02	21.38	21.14	17.85
		2510 (20850)	20.68	20.86	20.83	17.82
	50RB-High (50)	2560 (21350)	20.92	20.91	19.9	17.94
		2535 (21100)	21.07	21.06	20.04	17.62
		2510 (20850)	20.84	20.88	19.83	17.93
	50RB-Middle (25)	2560 (21350)	20.97	20.98	19.97	17.61
		2535 (21100)	21.1	21.05	20.06	17.83
		2510 (20850)	20.84	20.83	19.87	17.73
	50RB-Low (0)	2560 (21350)	20.97	20.95	19.94	17.93
		2535 (21100)	21.06	21.07	20.06	17.98
		2510 (20850)	20.78	20.73	19.73	17.62
	100RB (0)	2560 (21350)	20.92	20.92	19.89	17.7
		2535 (21100)	21.08	21.07	20.05	17.97
		2510 (20850)	20.8	20.78	19.78	17.86

LTE Band7(ANT3 DSI 3)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	23.62	22.92	21.6	18.79
		2535 (21100)	23.81	22.98	21.77	18.76
		2502.5 (20775)	23.72	22.7	21.57	18.83
	1RB-Middle (12)	2567.5 (21425)	23.8	22.97	22	18.7
		2535 (21100)	23.84	22.91	21.7	18.71
		2502.5 (20775)	23.66	22.77	21.64	18.73
	1RB-Low (0)	2567.5 (21425)	23.87	22.92	21.93	18.79
		2535 (21100)	23.85	22.92	21.84	18.76
		2502.5 (20775)	23.41	22.58	21.51	18.82
	12RB-High (13)	2567.5 (21425)	22.63	21.84	20.62	18.72
		2535 (21100)	22.78	22.03	20.84	18.8
		2502.5 (20775)	22.6	21.74	20.73	18.75
	12RB-Middle (6)	2567.5 (21425)	22.76	21.97	20.82	18.69

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		2535 (21100)	22.81	21.85	20.91	18.74
		2502.5 (20775)	22.68	21.72	20.55	18.76
	12RB-Low (0)	2567.5 (21425)	22.75	21.84	20.99	18.75
		2535 (21100)	22.77	21.88	20.77	18.78
		2502.5 (20775)	22.64	21.71	20.61	18.84
	25RB (0)	2567.5 (21425)	22.78	21.75	20.74	18.77
		2535 (21100)	22.68	21.75	20.95	18.83
		2502.5 (20775)	22.62	21.8	20.79	18.8
10MHz	1RB-High (49)	2565 (21400)	23.62	22.78	21.73	18.91
		2535 (21100)	23.74	22.87	21.83	18.65
		2505 (20800)	23.65	22.7	21.62	18.68
	1RB-Middle (24)	2565 (21400)	23.8	22.89	21.96	18.68
		2535 (21100)	23.81	22.87	21.98	18.65
		2505 (20800)	23.67	22.87	21.67	18.71
	1RB-Low (0)	2565 (21400)	23.82	22.94	21.88	18.69
		2535 (21100)	23.81	22.58	21.85	18.66
		2505 (20800)	23.36	22.53	21.65	18.94
	25RB-High (25)	2565 (21400)	22.65	21.83	20.63	18.72
		2535 (21100)	22.71	21.88	20.87	18.69
		2505 (20800)	22.61	21.73	20.64	18.67
	25RB-Middle (12)	2565 (21400)	22.77	21.99	20.81	18.68
		2535 (21100)	22.78	21.94	20.94	18.81
		2505 (20800)	22.71	21.75	20.72	18.72
	25RB-Low (0)	2565 (21400)	22.67	21.93	20.8	18.69
		2535 (21100)	22.79	21.85	20.9	18.8
		2505 (20800)	22.51	21.84	20.53	18.9
	50RB (0)	2565 (21400)	22.67	21.74	20.67	18.74
		2535 (21100)	22.77	21.87	20.91	18.83
		2505 (20800)	22.61	21.76	20.73	18.69
15MHz	1RB-High (74)	2562.5 (21375)	23.62	22.92	21.74	18.88
		2535 (21100)	23.73	22.91	21.77	18.75
		2507.5 (20825)	23.57	22.85	21.51	18.67
	1RB-Middle (37)	2562.5 (21375)	23.87	22.88	21.95	18.83
		2535 (21100)	23.76	22.91	21.87	18.7
		2507.5 (20825)	23.75	22.71	21.49	18.74
	1RB-Low (0)	2562.5 (21375)	23.85	22.82	21.78	18.73
		2535 (21100)	23.83	22.78	21.99	18.65
		2507.5 (20825)	23.46	22.6	21.59	18.86
	36RB-High (38)	2562.5 (21375)	22.81	21.91	20.61	18.7
		2535 (21100)	22.71	21.95	20.77	18.8
		2507.5 (20825)	22.55	21.73	20.66	18.67

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	36RB-Middle (19)	2562.5 (21375)	22.71	21.98	20.9	18.74
		2535 (21100)	22.78	21.97	20.84	18.72
		2507.5 (20825)	22.52	21.81	20.71	18.67
	36RB-Low (0)	2562.5 (21375)	22.78	21.96	20.92	18.69
		2535 (21100)	22.78	21.93	20.81	18.93
		2507.5 (20825)	22.58	21.71	20.66	18.77
	75RB (0)	2562.5 (21375)	22.76	21.87	20.75	18.76
		2535 (21100)	22.82	21.95	20.99	18.75
		2507.5 (20825)	22.61	21.65	20.65	18.68
20MHz	1RB-High (99)	2560 (21350)	23.53	22.82	21.67	18.84
		2535 (21100)	23.77	22.9	21.82	18.69
		2510 (20850)	23.63	22.76	21.59	18.75
	1RB-Middle (50)	2560 (21350)	23.81	22.98	21.92	18.78
		2535 (21100)	23.86	23	21.96	18.66
		2510 (20850)	23.66	22.77	21.59	18.7
	1RB-Low (0)	2560 (21350)	23.78	22.9	21.87	18.71
		2535 (21100)	23.82	22.98	21.97	18.66
		2510 (20850)	23.44	22.59	21.57	18.85
	50RB-High (50)	2560 (21350)	22.71	21.84	20.7	18.73
		2535 (21100)	22.77	21.94	20.78	18.72
		2510 (20850)	22.65	21.81	20.7	18.72
	50RB-Middle (25)	2560 (21350)	22.76	21.93	20.81	18.69
		2535 (21100)	22.83	21.94	20.94	18.74
		2510 (20850)	22.61	21.76	20.65	18.68
	50RB-Low (0)	2560 (21350)	22.75	21.92	20.9	18.7
		2535 (21100)	22.81	21.95	20.84	18.83
		2510 (20850)	22.56	21.75	20.61	18.82
	100RB (0)	2560 (21350)	22.68	21.8	20.67	18.77
		2535 (21100)	22.78	21.93	20.89	18.81
		2510 (20850)	22.62	21.75	20.73	18.76

LTE Band7(ANT3 DSI 4)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	22.58	22.98	21.78	18.78
		2535 (21100)	22.49	22.91	21.73	18.65
		2502.5 (20775)	22.61	22.8	21.82	18.65
	1RB-Middle (12)	2567.5 (21425)	22.5	22.95	21.81	18.67
		2535 (21100)	22.66	22.85	21.82	18.6
		2502.5 (20775)	22.65	23	21.83	18.77
	1RB-Low (0)	2567.5 (21425)	22.62	22.83	21.82	18.59

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		2535 (21100)	22.66	22.85	21.82	18.63
		2502.5 (20775)	22.55	22.83	21.73	18.63
	12RB-High (13)	2567.5 (21425)	22.62	22.91	21.83	18.48
		2535 (21100)	22.62	21.88	21.74	18.53
		2502.5 (20775)	22.63	21.78	21.68	18.7
	12RB-Middle (6)	2567.5 (21425)	22.64	21.83	21.87	18.66
		2535 (21100)	22.75	21.72	21.73	18.72
		2502.5 (20775)	22.61	21.95	21.66	18.69
	12RB-Low (0)	2567.5 (21425)	22.59	21.93	21.83	18.49
		2535 (21100)	22.7	21.8	21.65	18.75
		2502.5 (20775)	22.72	21.96	21.87	18.69
	25RB (0)	2567.5 (21425)	22.56	21.8	21.7	18.66
		2535 (21100)	22.62	21.83	21.74	18.54
		2502.5 (20775)	22.7	21.73	21.86	18.64
10MHz	1RB-High (49)	2565 (21400)	22.59	22.88	21.64	18.77
		2535 (21100)	22.51	22.79	21.73	18.64
		2505 (20800)	22.64	22.82	21.8	18.64
	1RB-Middle (24)	2565 (21400)	22.68	22.82	21.62	18.82
		2535 (21100)	22.67	22.88	21.82	18.63
		2505 (20800)	22.58	22.83	21.77	18.8
	1RB-Low (0)	2565 (21400)	22.62	22.94	21.85	18.7
		2535 (21100)	22.58	22.94	21.75	18.63
		2505 (20800)	22.57	22.82	21.67	18.53
	25RB-High (25)	2565 (21400)	22.71	22.85	21.78	18.56
		2535 (21100)	22.63	21.77	21.75	18.65
		2505 (20800)	22.67	21.77	21.75	18.74
	25RB-Middle (12)	2565 (21400)	22.68	21.79	21.8	18.63
		2535 (21100)	22.66	21.71	21.65	18.66
		2505 (20800)	22.57	21.9	21.68	18.57
	25RB-Low (0)	2565 (21400)	22.62	21.75	21.67	18.49
		2535 (21100)	22.59	21.99	21.79	18.71
		2505 (20800)	22.69	21.86	21.85	18.55
	50RB (0)	2565 (21400)	22.5	21.9	21.67	18.83
		2535 (21100)	22.65	21.75	21.74	18.6
		2505 (20800)	22.62	21.86	21.79	18.79
15MHz	1RB-High (74)	2562.5 (21375)	22.59	22.97	21.8	18.76
		2535 (21100)	22.49	22.96	21.71	18.68
		2507.5 (20825)	22.52	22.83	21.65	18.51
	1RB-Middle (37)	2562.5 (21375)	22.56	22.88	21.74	18.78
		2535 (21100)	22.72	22.71	21.81	18.59
		2507.5 (20825)	22.59	22.96	21.88	18.73

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	1RB-Low (0)	2562.5 (21375)	22.72	22.81	21.68	18.58
		2535 (21100)	22.68	22.85	21.78	18.67
		2507.5 (20825)	22.64	22.83	21.76	18.49
	36RB-High (38)	2562.5 (21375)	22.64	22.81	21.69	18.63
		2535 (21100)	22.54	21.86	21.83	18.69
		2507.5 (20825)	22.63	21.75	21.71	18.61
	36RB-Middle (19)	2562.5 (21375)	22.62	21.82	21.79	18.69
		2535 (21100)	22.73	21.75	21.83	18.78
		2507.5 (20825)	22.57	21.97	21.7	18.72
	36RB-Low (0)	2562.5 (21375)	22.59	21.75	21.82	18.49
		2535 (21100)	22.76	21.82	21.66	18.72
		2507.5 (20825)	22.61	21.79	21.75	18.75
	75RB (0)	2562.5 (21375)	22.67	21.97	21.83	18.78
		2535 (21100)	22.64	21.75	21.75	18.59
		2507.5 (20825)	22.54	21.76	21.79	18.69
20MHz	1RB-High (99)	2560 (21350)	22.62	22.89	21.74	18.75
		2535 (21100)	22.59	22.89	21.76	18.66
		2510 (20850)	22.56	22.8	21.74	18.56
	1RB-Middle (50)	2560 (21350)	22.6	22.87	21.72	18.72
		2535 (21100)	22.71	22.8	21.72	18.61
		2510 (20850)	22.66	22.9	21.79	18.7
	1RB-Low (0)	2560 (21350)	22.64	22.87	21.76	18.6
		2535 (21100)	22.66	22.89	21.77	18.57
		2510 (20850)	22.62	22.89	21.72	18.55
	50RB-High (50)	2560 (21350)	22.61	22.88	21.73	18.57
		2535 (21100)	22.64	21.86	21.76	18.62
		2510 (20850)	22.6	21.82	21.73	18.71
	50RB-Middle (25)	2560 (21350)	22.64	21.81	21.78	18.71
		2535 (21100)	22.68	21.81	21.75	18.7
		2510 (20850)	22.57	21.87	21.72	18.66
	50RB-Low (0)	2560 (21350)	22.59	21.84	21.73	18.55
		2535 (21100)	22.66	21.89	21.7	18.7
		2510 (20850)	22.63	21.87	21.79	18.65
	100RB (0)	2560 (21350)	22.6	21.89	21.74	18.74
		2535 (21100)	22.65	21.82	21.76	18.59
		2510 (20850)	22.64	21.81	21.77	18.72

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LTE Band7(ANT3 DSI 5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	21.59	21.8	21.72	18.68
		2535 (21100)	21.5	21.78	21.7	18.75
		2502.5 (20775)	21.47	21.88	21.98	18.8
	1RB-Middle (12)	2567.5 (21425)	21.61	21.93	21.97	18.42
		2535 (21100)	21.67	21.68	21.89	18.44
		2502.5 (20775)	21.61	21.8	21.9	18.48
	1RB-Low (0)	2567.5 (21425)	21.58	21.91	21.69	18.79
		2535 (21100)	21.51	21.76	22.03	18.62
		2502.5 (20775)	21.37	21.83	21.92	18.45
	12RB-High (13)	2567.5 (21425)	21.64	21.94	20.9	18.53
		2535 (21100)	21.72	21.74	21.06	18.64
		2502.5 (20775)	21.66	21.84	20.97	18.65
	12RB-Middle (6)	2567.5 (21425)	21.71	21.88	20.98	18.48
		2535 (21100)	21.79	21.91	20.96	18.66
		2502.5 (20775)	21.58	21.89	20.87	18.71
	12RB-Low (0)	2567.5 (21425)	21.58	21.73	20.99	18.44
		2535 (21100)	21.78	21.99	20.98	18.83
		2502.5 (20775)	21.65	22.04	20.88	18.57
	25RB (0)	2567.5 (21425)	21.66	21.81	21.03	18.68
		2535 (21100)	21.65	21.77	20.98	18.38
		2502.5 (20775)	21.71	21.76	20.94	18.56
10MHz	1RB-High (49)	2565 (21400)	21.54	21.82	21.83	18.68
		2535 (21100)	21.55	21.85	21.71	18.64
		2505 (20800)	21.48	21.93	21.92	18.69
	1RB-Middle (24)	2565 (21400)	21.58	21.87	21.95	18.45
		2535 (21100)	21.78	21.73	21.74	18.44
		2505 (20800)	21.6	21.75	21.95	18.47
	1RB-Low (0)	2565 (21400)	21.48	21.86	21.83	18.86
		2535 (21100)	21.38	21.85	22.04	18.53
		2505 (20800)	21.25	21.88	21.87	18.43
	25RB-High (25)	2565 (21400)	21.57	21.9	20.98	18.52
		2535 (21100)	21.64	21.85	20.98	18.74
		2505 (20800)	21.54	21.84	20.93	18.61
	25RB-Middle (12)	2565 (21400)	21.61	21.99	21.13	18.61
		2535 (21100)	21.66	21.94	21.02	18.69
		2505 (20800)	21.61	21.98	21.01	18.63
	25RB-Low (0)	2565 (21400)	21.71	21.7	21.05	18.5
		2535 (21100)	21.69	21.82	20.98	18.78

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		2505 (20800)	21.61	21.88	20.89	18.4
	50RB (0)	2565 (21400)	21.62	21.82	20.9	18.74
		2535 (21100)	21.77	21.79	21.08	18.49
		2505 (20800)	21.74	21.94	21.03	18.66
15MHz	1RB-High (74)	2562.5 (21375)	21.47	21.82	21.77	18.66
		2535 (21100)	21.5	21.79	21.86	18.63
		2507.5 (20825)	21.58	21.77	21.93	18.69
	1RB-Middle (37)	2562.5 (21375)	21.67	21.96	21.9	18.52
		2535 (21100)	21.76	21.75	21.89	18.5
		2507.5 (20825)	21.61	21.84	21.92	18.41
	1RB-Low (0)	2562.5 (21375)	21.66	21.97	21.69	18.68
		2535 (21100)	21.42	21.82	22.04	18.48
		2507.5 (20825)	21.27	21.84	21.91	18.44
	36RB-High (38)	2562.5 (21375)	21.7	21.93	20.9	18.58
		2535 (21100)	21.78	21.88	21.1	18.68
		2507.5 (20825)	21.49	21.92	20.91	18.66
	36RB-Middle (19)	2562.5 (21375)	21.57	21.9	20.95	18.67
		2535 (21100)	21.71	21.77	21.05	18.56
		2507.5 (20825)	21.6	21.99	20.91	18.79
	36RB-Low (0)	2562.5 (21375)	21.72	21.85	20.9	18.57
		2535 (21100)	21.68	21.84	20.94	18.81
		2507.5 (20825)	21.61	21.92	21.05	18.4
	75RB (0)	2562.5 (21375)	21.74	21.96	21.02	18.75
		2535 (21100)	21.73	21.77	21.01	18.43
		2507.5 (20825)	21.8	21.83	21	18.57
20MHz	1RB-High (99)	2560 (21350)	21.57	21.81	21.81	18.75
		2535 (21100)	21.56	21.82	21.8	18.66
		2510 (20850)	21.52	21.83	21.93	18.71
	1RB-Middle (50)	2560 (21350)	21.63	21.91	21.9	18.5
		2535 (21100)	21.75	21.75	21.8	18.49
		2510 (20850)	21.51	21.76	21.95	18.4
	1RB-Low (0)	2560 (21350)	21.56	21.88	21.79	18.77
		2535 (21100)	21.42	21.82	21.94	18.57
		2510 (20850)	21.33	21.87	21.85	18.49
	50RB-High (50)	2560 (21350)	21.63	21.91	20.98	18.56
		2535 (21100)	21.71	21.79	21.05	18.68
		2510 (20850)	21.57	21.91	20.99	18.66
	50RB-Middle (25)	2560 (21350)	21.64	21.92	21.05	18.57
		2535 (21100)	21.76	21.87	20.99	18.62
		2510 (20850)	21.59	21.94	20.96	18.72
	50RB-Low (0)	2560 (21350)	21.63	21.76	20.98	18.49

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		2535 (21100)	21.74	21.92	20.98	18.8
		2510 (20850)	21.71	21.95	20.98	18.47
	100RB (0)	2560 (21350)	21.68	21.87	20.99	18.72
		2535 (21100)	21.75	21.85	21.05	18.47
		2510 (20850)	21.72	21.85	20.98	18.57

LTE Band12(ANT1 DSI 0/1/2/3/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	2526QAM
1.4MHz	1RB-High (5)	715.3 (23173)	23.28	22.46	21.44	18.64
		707.5 (23095)	23.22	22.57	21.50	18.52
		699.7 (23017)	23.36	22.60	21.47	18.74
	1RB-Middle (3)	715.3 (23173)	23.28	22.60	21.48	18.53
		707.5 (23095)	23.35	22.68	21.53	18.50
		699.7 (23017)	23.26	22.49	21.49	18.55
	1RB-Low (0)	715.3 (23173)	23.26	22.56	21.60	18.69
		707.5 (23095)	23.39	22.61	21.61	18.56
		699.7 (23017)	23.24	22.51	21.56	18.74
	3RB-High (3)	715.3 (23173)	23.34	22.41	21.42	18.48
		707.5 (23095)	23.34	22.47	21.34	18.73
		699.7 (23017)	23.36	22.56	21.41	18.40
	3RB-Middle (1)	715.3 (23173)	23.16	22.32	21.37	18.46
		707.5 (23095)	23.33	22.40	21.50	18.60
		699.7 (23017)	23.40	22.38	21.57	18.50
	3RB-Low (0)	715.3 (23173)	23.38	22.39	21.43	18.59
		707.5 (23095)	23.29	22.39	21.49	18.69
		699.7 (23017)	23.34	22.23	21.38	18.46
	6RB (0)	715.3 (23173)	22.30	21.51	20.32	18.40
		707.5 (23095)	22.42	21.51	20.35	18.55
		699.7 (23017)	22.43	21.43	20.39	18.45
3MHz	1RB-High (14)	714.5 (23165)	23.34	22.59	21.52	18.80
		707.5 (23095)	23.31	22.66	21.57	18.64
		700.5 (23025)	23.42	22.54	21.62	18.74
	1RB-Middle (7)	714.5 (23165)	23.23	22.49	21.61	18.69
		707.5 (23095)	23.48	22.51	21.64	18.66
		700.5 (23025)	23.45	22.56	21.57	18.52
	1RB-Low (0)	714.5 (23165)	23.37	22.72	21.73	18.58
		707.5 (23095)	23.34	22.59	21.57	18.51
		700.5 (23025)	23.39	22.59	21.70	18.59
	8RB-High (7)	714.5 (23165)	22.27	21.39	20.33	18.72
		707.5 (23095)	22.41	21.45	20.42	18.56

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		700.5 (23025)	22.37	21.48	20.44	18.64
	8RB-Middle (4)	714.5 (23165)	22.38	21.50	20.37	18.74
		707.5 (23095)	22.41	21.48	20.47	18.44
		700.5 (23025)	22.37	21.46	20.40	18.57
	8RB-Low (0)	714.5 (23165)	22.36	21.48	20.52	18.75
		707.5 (23095)	22.43	21.53	20.43	18.44
		700.5 (23025)	22.40	21.46	20.45	18.80
	15RB (0)	714.5 (23165)	22.35	21.37	20.36	18.58
		707.5 (23095)	22.40	21.44	20.38	18.44
		700.5 (23025)	22.38	21.44	20.35	18.61
5MHz	1RB-High (24)	713.5 (23155)	23.45	22.56	21.69	18.49
		707.5 (23095)	23.39	22.51	21.56	18.79
		701.5 (23035)	23.37	22.60	21.51	18.72
	1RB-Middle (12)	713.5 (23155)	23.56	22.48	21.53	18.68
		707.5 (23095)	23.48	22.63	21.50	18.78
		701.5 (23035)	23.38	22.65	21.50	18.59
	1RB-Low (0)	713.5 (23155)	23.57	22.61	21.55	18.70
		707.5 (23095)	23.48	22.69	21.63	18.60
		701.5 (23035)	23.49	22.63	21.56	18.79
	12RB-High (13)	713.5 (23155)	22.38	21.42	20.43	18.42
		707.5 (23095)	22.43	21.44	20.43	18.65
		701.5 (23035)	22.41	21.43	20.45	18.54
	12RB-Middle (6)	713.5 (23155)	22.47	21.46	20.50	18.64
		707.5 (23095)	22.44	21.46	20.43	18.77
		701.5 (23035)	22.42	21.45	20.46	18.65
	12RB-Low (0)	713.5 (23155)	22.46	21.44	20.42	18.78
		707.5 (23095)	22.49	21.49	20.53	18.59
		701.5 (23035)	22.46	21.45	20.47	18.75
	25RB (0)	713.5 (23155)	22.44	21.43	20.39	18.64
		707.5 (23095)	22.49	21.47	20.41	18.51
		701.5 (23035)	22.44	21.46	20.39	18.52
10MHz	1RB-High (49)	711 (23130)	23.67	22.84	21.94	18.54
		707.5 (23095)	23.78	22.83	21.82	18.65
		704 (23060)	23.72	22.95	21.84	18.45
	1RB-Middle (24)	711 (23130)	23.74	22.88	21.92	18.74
		707.5 (23095)	23.76	22.97	21.91	18.63
		704 (23060)	23.86	22.97	21.86	18.71
	1RB-Low (0)	711 (23130)	23.90	23.03	21.89	18.69
		707.5 (23095)	23.89	22.99	21.97	18.75
		704 (23060)	23.85	23.09	21.93	18.74
	25RB-High (25)	711 (23130)	22.69	21.71	20.68	18.65

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		707.5 (23095)	22.75	21.76	20.71	18.37
		704 (23060)	22.72	21.66	20.63	18.57
	25RB-Middle (12)	711 (23130)	22.71	21.71	20.69	18.52
		707.5 (23095)	22.73	21.73	20.67	18.45
		704 (23060)	22.72	21.71	20.68	18.66
	25RB-Low (0)	711 (23130)	22.85	21.75	20.72	18.76
		707.5 (23095)	22.80	21.76	20.75	18.81
		704 (23060)	22.72	21.68	20.67	18.51
	50RB (0)	711 (23130)	22.72	21.74	20.71	18.55
		707.5 (23095)	22.78	21.74	20.71	18.62
		704 (23060)	22.69	21.67	20.63	18.51

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LTE Band13(ANT1 DSI 0/1/2/3/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	784.5 (23255)	23.61	22.80	21.94	18.95
		782 (23230)	23.71	22.73	21.79	18.83
		779.5 (23205)	23.52	22.84	21.79	18.81
	1RB-Middle (12)	784.5 (23255)	23.55	22.88	21.81	18.77
		782 (23230)	23.70	22.89	21.88	18.83
		779.5 (23205)	23.63	22.84	21.85	18.82
	1RB-Low (0)	784.5 (23255)	23.67	22.83	21.76	18.79
		782 (23230)	23.70	22.58	21.89	18.79
		779.5 (23205)	23.66	22.83	21.67	18.55
	12RB-High (13)	784.5 (23255)	22.58	21.56	20.75	18.91
		782 (23230)	22.65	21.63	20.76	18.58
		779.5 (23205)	22.65	21.64	20.78	18.76
	12RB-Middle (6)	784.5 (23255)	22.68	21.63	20.76	18.78
		782 (23230)	22.63	21.71	20.73	18.76
		779.5 (23205)	22.73	21.71	20.76	18.73
	12RB-Low (0)	784.5 (23255)	22.65	21.69	20.80	18.61
		782 (23230)	22.71	21.70	20.82	18.92
		779.5 (23205)	22.71	21.78	20.76	18.45
	25RB (0)	784.5 (23255)	22.65	21.64	20.74	18.67
		782 (23230)	22.70	21.72	20.74	18.49
		779.5 (23205)	22.70	21.71	20.73	18.54
10MHz	1RB-High (49)	782 (23230)	23.66	22.90	21.78	18.76
	1RB-Middle (24)	782 (23230)	23.66	22.77	21.74	18.63
	1RB-Low (0)	782 (23230)	23.89	22.88	21.85	18.81
	25RB-High (25)	782 (23230)	22.64	21.64	20.70	18.71
	25RB-Middle (12)	782 (23230)	22.64	21.65	20.70	18.69
	25RB-Low (0)	782 (23230)	22.76	21.75	20.79	18.62
	50RB (0)	782 (23230)	22.65	21.69	20.70	18.57

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LTE Band14(ANT1 DSI 0/1/2/3/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	795.5 (23355)	23.23	22.26	21.39	18.31
		793 (23330)	23.19	22.36	21.48	18.46
		790.5 (23305)	23.31	22.50	21.35	18.43
	1RB-Middle (12)	795.5 (23355)	23.35	22.53	21.47	18.30
		793 (23330)	23.41	22.47	21.53	18.33
		790.5 (23305)	23.36	22.37	21.25	18.33
	1RB-Low (0)	795.5 (23355)	23.23	22.41	21.44	18.34
		793 (23330)	23.34	22.42	21.44	18.43
		790.5 (23305)	23.27	22.34	21.35	18.11
	12RB-High (13)	795.5 (23355)	22.16	21.26	20.36	18.28
		793 (23330)	22.25	21.28	20.36	18.31
		790.5 (23305)	22.24	21.25	20.42	18.24
	12RB-Middle (6)	795.5 (23355)	22.18	21.23	20.38	18.39
		793 (23330)	22.27	21.31	20.42	18.57
		790.5 (23305)	22.29	21.31	20.47	18.08
	12RB-Low (0)	795.5 (23355)	22.23	21.28	20.39	18.44
		793 (23330)	22.23	21.33	20.45	18.29
		790.5 (23305)	22.30	21.30	20.41	18.10
	25RB (0)	795.5 (23355)	22.21	21.25	20.38	18.47
		793 (23330)	22.26	21.29	20.40	18.39
		790.5 (23305)	22.27	21.30	20.40	18.32
10MHz	1RB-High (49)	793 (23330)	23.32	22.60	21.43	18.19
	1RB-Middle (24)	793 (23330)	23.36	22.36	21.42	18.39
	1RB-Low (0)	793 (23330)	23.39	22.38	21.56	18.19
	25RB-High (25)	793 (23330)	22.25	21.22	20.36	18.29
	25RB-Middle (12)	793 (23330)	22.22	21.25	20.36	18.28
	25RB-Low (0)	793 (23330)	22.30	21.32	20.37	18.03
	50RB (0)	793 (23330)	22.29	21.28	20.37	18.27

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LTE Band25(ANT2 DSI 0)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	19.64	19.85	19.95	16.55
		1882.5 (26365)	19.52	19.71	19.77	16.49
		1850.7 (26047)	19.66	20.11	19.84	16.47
	1RB-Middle (3)	1914.3 (26683)	19.64	19.84	19.69	16.61
		1882.5 (26365)	19.60	19.89	19.90	16.43
		1850.7 (26047)	19.56	19.82	19.83	16.38
	1RB-Low (0)	1914.3 (26683)	19.63	20.03	19.68	16.44
		1882.5 (26365)	19.59	19.89	19.73	16.33
		1850.7 (26047)	19.46	19.82	19.57	16.64
	3RB-High (3)	1914.3 (26683)	19.61	19.61	19.64	16.57
		1882.5 (26365)	19.46	19.50	19.48	16.28
		1850.7 (26047)	19.51	19.63	19.55	16.61
	3RB-Middle (1)	1914.3 (26683)	19.62	19.59	19.64	16.53
		1882.5 (26365)	19.48	19.64	19.47	16.41
		1850.7 (26047)	19.62	19.48	19.47	16.57
	3RB-Low (0)	1914.3 (26683)	19.62	19.61	19.57	16.67
		1882.5 (26365)	19.58	19.61	19.59	16.46
		1850.7 (26047)	19.62	19.61	19.56	16.28
	6RB (0)	1914.3 (26683)	19.60	19.69	19.66	16.36
		1882.5 (26365)	19.64	19.60	19.46	16.48
		1850.7 (26047)	19.68	19.45	19.51	16.47
3MHz	1RB-High (14)	1913.5 (26675)	19.72	19.93	19.95	16.47
		1882.5 (26365)	19.70	19.74	19.85	16.36
		1851.5 (26055)	19.65	19.94	19.71	16.40
	1RB-Middle (7)	1913.5 (26675)	19.74	19.96	19.84	16.56
		1882.5 (26365)	19.68	19.85	19.88	16.46
		1851.5 (26055)	19.52	19.83	19.77	16.25
	1RB-Low (0)	1913.5 (26675)	19.51	20.10	19.67	16.43
		1882.5 (26365)	19.56	19.88	19.76	16.52
		1851.5 (26055)	19.57	19.83	19.77	16.68
	8RB-High (7)	1913.5 (26675)	19.60	19.60	19.52	16.58
		1882.5 (26365)	19.52	19.47	19.54	16.38
		1851.5 (26055)	19.49	19.59	19.60	16.44
	8RB-Middle (4)	1913.5 (26675)	19.51	19.54	19.74	16.49
		1882.5 (26365)	19.50	19.57	19.56	16.51
		1851.5 (26055)	19.58	19.56	19.59	16.42
	8RB-Low (0)	1913.5 (26675)	19.67	19.59	19.65	16.68
		1882.5 (26365)	19.71	19.65	19.62	16.41

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		1851.5 (26055)	19.54	19.63	19.57	16.32
	15RB (0)	1913.5 (26675)	19.71	19.66	19.52	16.27
		1882.5 (26365)	19.56	19.47	19.49	16.39
		1851.5 (26055)	19.48	19.52	19.53	16.34
5MHz	1RB-High (24)	1912.5 (26665)	19.70	19.92	19.85	16.51
		1882.5 (26365)	19.70	19.72	19.73	16.35
		1852.5 (26065)	19.73	19.95	19.81	16.42
	1RB-Middle (12)	1912.5 (26665)	19.67	19.95	19.68	16.63
		1882.5 (26365)	19.68	19.99	19.73	16.44
		1852.5 (26065)	19.61	19.89	19.69	16.31
	1RB-Low (0)	1912.5 (26665)	19.49	19.99	19.67	16.36
		1882.5 (26365)	19.64	19.94	19.73	16.41
		1852.5 (26065)	19.57	19.80	19.62	16.61
	12RB-High (13)	1912.5 (26665)	19.66	19.45	19.65	16.55
		1882.5 (26365)	19.48	19.44	19.55	16.26
		1852.5 (26065)	19.67	19.68	19.58	16.54
	12RB-Middle (6)	1912.5 (26665)	19.67	19.71	19.72	16.49
		1882.5 (26365)	19.65	19.52	19.54	16.47
		1852.5 (26065)	19.53	19.47	19.56	16.50
	12RB-Low (0)	1912.5 (26665)	19.78	19.60	19.63	16.53
		1882.5 (26365)	19.61	19.71	19.66	16.45
		1852.5 (26065)	19.45	19.64	19.59	16.31
	25RB (0)	1912.5 (26665)	19.67	19.63	19.70	16.29
		1882.5 (26365)	19.62	19.46	19.56	16.44
		1852.5 (26065)	19.60	19.53	19.56	16.42
10MHz	1RB-High (49)	1910 (26640)	19.61	19.83	19.96	16.51
		1882.5 (26365)	19.50	19.75	19.78	16.50
		1855 (26090)	19.56	20.07	19.81	16.36
	1RB-Middle (24)	1910 (26640)	19.64	19.94	19.80	16.52
		1882.5 (26365)	19.59	19.93	19.74	16.48
		1855 (26090)	19.47	19.91	19.79	16.42
	1RB-Low (0)	1910 (26640)	19.48	19.97	19.80	16.36
		1882.5 (26365)	19.61	20.02	19.78	16.41
		1855 (26090)	19.61	19.93	19.71	16.59
	25RB-High (25)	1910 (26640)	19.51	19.45	19.55	16.58
		1882.5 (26365)	19.50	19.57	19.58	16.37
		1855 (26090)	19.68	19.57	19.59	16.55
	25RB-Middle (12)	1910 (26640)	19.52	19.61	19.56	16.46
		1882.5 (26365)	19.54	19.53	19.49	16.59
		1855 (26090)	19.53	19.49	19.54	16.51
	25RB-Low (0)	1910 (26640)	19.79	19.74	19.61	16.70

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		1882.5 (26365)	19.70	19.71	19.69	16.41
		1855 (26090)	19.55	19.62	19.57	16.37
	50RB (0)	1910 (26640)	19.62	19.72	19.65	16.25
		1882.5 (26365)	19.62	19.54	19.51	16.50
		1855 (26090)	19.64	19.53	19.59	16.30
15MHz	1RB-High (74)	1907.5 (26615)	19.73	19.82	19.96	16.57
		1882.5 (26365)	19.53	19.81	19.81	16.49
		1857.5 (26115)	19.69	20.04	19.74	16.52
	1RB-Middle (37)	1907.5 (26615)	19.56	20.01	19.84	16.58
		1882.5 (26365)	19.60	19.99	19.84	16.49
		1857.5 (26115)	19.54	19.82	19.79	16.25
	1RB-Low (0)	1907.5 (26615)	19.63	20.08	19.84	16.41
		1882.5 (26365)	19.61	19.98	19.72	16.38
		1857.5 (26115)	19.58	19.97	19.68	16.52
	36RB-High (38)	1907.5 (26615)	19.48	19.64	19.49	16.52
		1882.5 (26365)	19.47	19.52	19.61	16.39
		1857.5 (26115)	19.51	19.54	19.54	16.54
	36RB-Middle (19)	1907.5 (26615)	19.57	19.60	19.62	16.49
		1882.5 (26365)	19.45	19.67	19.53	16.46
		1857.5 (26115)	19.49	19.54	19.65	16.50
	36RB-Low (0)	1907.5 (26615)	19.64	19.62	19.61	16.54
		1882.5 (26365)	19.74	19.71	19.67	16.32
		1857.5 (26115)	19.64	19.65	19.58	16.21
	75RB (0)	1907.5 (26615)	19.62	19.57	19.52	16.24
		1882.5 (26365)	19.62	19.55	19.57	16.48
		1857.5 (26115)	19.64	19.48	19.62	16.45
20MHz	1RB-High (99)	1905 (26590)	19.72	19.90	19.92	16.61
		1882.5 (26365)	19.65	19.81	19.86	16.46
		1860 (26140)	19.71	20.09	19.81	16.50
	1RB-Middle (50)	1905 (26590)	19.69	19.99	19.83	16.65
		1882.5 (26365)	19.64	19.97	19.86	16.53
		1860 (26140)	19.62	19.94	19.79	16.39
	1RB-Low (0)	1905 (26590)	19.60	20.05	19.80	16.47
		1882.5 (26365)	19.63	20.00	19.85	16.48
		1860 (26140)	19.57	19.94	19.72	16.63
	50RB-High (50)	1905 (26590)	19.62	19.60	19.62	16.61
		1882.5 (26365)	19.58	19.58	19.58	16.41
		1860 (26140)	19.63	19.65	19.60	16.59
	50RB-Middle (25)	1905 (26590)	19.62	19.69	19.69	16.61
		1882.5 (26365)	19.60	19.62	19.58	16.54
		1860 (26140)	19.61	19.58	19.60	16.55

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	50RB-Low (0)	1905 (26590)	19.74	19.72	19.70	16.65
		1882.5 (26365)	19.71	19.68	19.64	16.46
		1860 (26140)	19.60	19.60	19.61	16.36
	100RB (0)	1905 (26590)	19.67	19.67	19.67	16.37
		1882.5 (26365)	19.64	19.59	19.61	16.49
		1860 (26140)	19.63	19.60	19.60	16.45

LTE Band25(ANT2 DSI 1/2)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	23.07	22.12	21.14	18.88
		1882.5 (26365)	22.93	22.16	21.10	18.71
		1850.7 (26047)	23.01	22.24	21.13	18.70
	1RB-Middle (3)	1914.3 (26683)	22.95	22.39	21.12	18.76
		1882.5 (26365)	22.90	22.12	21.12	18.67
		1850.7 (26047)	22.94	22.13	21.09	18.80
	1RB-Low (0)	1914.3 (26683)	23.09	22.16	21.18	18.88
		1882.5 (26365)	22.95	22.28	21.14	18.84
		1850.7 (26047)	22.93	22.12	21.20	18.68
	3RB-High (3)	1914.3 (26683)	23.11	21.94	21.10	18.54
		1882.5 (26365)	22.94	22.00	20.99	18.51
		1850.7 (26047)	22.95	21.98	20.94	18.71
	3RB-Middle (1)	1914.3 (26683)	23.08	22.14	21.06	18.70
		1882.5 (26365)	22.94	22.01	21.02	18.71
		1850.7 (26047)	23.04	22.06	21.01	18.56
	3RB-Low (0)	1914.3 (26683)	23.07	22.09	21.10	18.76
		1882.5 (26365)	22.98	22.01	21.12	18.58
		1850.7 (26047)	22.97	21.96	21.09	18.85
	6RB (0)	1914.3 (26683)	22.02	21.11	19.97	18.72
		1882.5 (26365)	21.95	21.01	19.84	18.89
		1850.7 (26047)	21.99	21.05	19.93	18.61
3MHz	1RB-High (14)	1913.5 (26675)	23.01	22.27	21.19	18.59
		1882.5 (26365)	22.99	22.12	21.12	18.71
		1851.5 (26055)	23.06	22.15	21.16	18.61
	1RB-Middle (7)	1913.5 (26675)	23.11	22.31	21.31	18.55
		1882.5 (26365)	23.03	22.16	21.17	18.57
		1851.5 (26055)	23.16	22.29	21.19	18.57
	1RB-Low (0)	1913.5 (26675)	23.15	22.38	21.26	18.70
		1882.5 (26365)	22.99	22.30	21.13	18.82
		1851.5 (26055)	23.17	22.28	21.11	18.68
	8RB-High (7)	1913.5 (26675)	22.01	21.02	20.09	18.75

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		1882.5 (26365)	21.96	21.04	20.00	18.67
		1851.5 (26055)	22.06	20.99	20.01	18.78
	8RB-Middle (4)	1913.5 (26675)	22.09	21.09	20.13	18.60
		1882.5 (26365)	21.99	21.03	19.99	18.87
		1851.5 (26055)	22.08	21.07	20.02	18.64
	8RB-Low (0)	1913.5 (26675)	22.12	21.22	20.16	18.65
		1882.5 (26365)	21.99	21.05	20.03	18.55
		1851.5 (26055)	22.10	21.06	20.05	18.71
	15RB (0)	1913.5 (26675)	22.11	21.09	20.10	18.75
		1882.5 (26365)	21.98	20.96	19.90	18.67
		1851.5 (26055)	22.08	21.04	19.98	18.56
5MHz	1RB-High (24)	1912.5 (26665)	23.05	22.21	21.26	18.64
		1882.5 (26365)	23.03	22.19	21.23	18.66
		1852.5 (26065)	23.02	22.22	21.18	18.54
	1RB-Middle (12)	1912.5 (26665)	23.16	22.45	21.47	18.64
		1882.5 (26365)	23.08	22.20	21.17	18.88
		1852.5 (26065)	23.21	22.25	21.17	18.56
	1RB-Low (0)	1912.5 (26665)	23.11	22.45	21.37	18.59
		1882.5 (26365)	23.06	22.24	21.34	18.88
		1852.5 (26065)	23.04	22.22	21.18	18.89
	12RB-High (13)	1912.5 (26665)	22.11	21.10	20.15	18.56
		1882.5 (26365)	22.04	20.97	20.02	18.88
		1852.5 (26065)	22.10	21.04	20.05	18.59
	12RB-Middle (6)	1912.5 (26665)	22.17	21.22	20.24	18.65
		1882.5 (26365)	22.02	21.03	20.03	18.71
		1852.5 (26065)	22.06	21.06	20.12	18.51
	12RB-Low (0)	1912.5 (26665)	22.19	21.24	20.28	18.67
		1882.5 (26365)	22.08	21.04	20.06	18.89
		1852.5 (26065)	22.14	21.09	20.08	18.57
	25RB (0)	1912.5 (26665)	22.23	21.22	20.19	18.61
		1882.5 (26365)	22.06	21.07	20.04	18.59
		1852.5 (26065)	22.10	21.04	20.05	18.82
10MHz	1RB-High (49)	1910 (26640)	23.25	22.34	21.31	18.71
		1882.5 (26365)	23.04	22.24	21.10	18.54
		1855 (26090)	23.14	22.26	21.19	18.83
	1RB-Middle (24)	1910 (26640)	23.33	22.41	21.33	18.82
		1882.5 (26365)	23.03	22.21	21.18	18.75
		1855 (26090)	23.13	22.14	21.08	18.56
	1RB-Low (0)	1910 (26640)	23.17	22.36	21.34	18.62
		1882.5 (26365)	23.18	22.38	21.16	18.82
		1855 (26090)	23.11	22.25	21.23	18.62

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	25RB-High (25)	1910 (26640)	22.21	21.08	20.10	18.71
		1882.5 (26365)	22.04	20.95	19.98	18.58
		1855 (26090)	22.08	21.04	20.00	18.62
	25RB-Middle (12)	1910 (26640)	22.25	21.17	20.15	18.80
		1882.5 (26365)	22.09	21.00	19.98	18.72
		1855 (26090)	22.08	20.98	19.96	18.65
	25RB-Low (0)	1910 (26640)	22.25	21.12	20.19	18.85
		1882.5 (26365)	22.12	21.04	20.04	18.85
		1855 (26090)	22.11	21.04	20.05	18.57
	50RB (0)	1910 (26640)	22.22	21.16	20.14	18.86
		1882.5 (26365)	22.07	21.00	20.01	18.73
		1855 (26090)	22.08	21.03	20.03	18.85
15MHz	1RB-High (74)	1907.5 (26615)	23.15	22.48	21.46	18.56
		1882.5 (26365)	23.04	22.34	21.13	18.84
		1857.5 (26115)	23.18	22.28	21.25	18.74
	1RB-Middle (37)	1907.5 (26615)	23.18	22.47	21.27	18.50
		1882.5 (26365)	23.11	22.36	21.19	18.85
		1857.5 (26115)	23.01	22.31	21.18	18.81
	1RB-Low (0)	1907.5 (26615)	23.12	22.47	21.28	18.64
		1882.5 (26365)	23.16	22.37	21.15	18.75
		1857.5 (26115)	23.14	22.23	21.20	18.60
	36RB-High (38)	1907.5 (26615)	22.15	21.11	20.21	18.75
		1882.5 (26365)	21.99	20.94	19.99	18.57
		1857.5 (26115)	22.09	21.03	20.04	18.62
	36RB-Middle (19)	1907.5 (26615)	22.12	21.09	20.13	18.65
		1882.5 (26365)	22.01	20.96	19.97	18.77
		1857.5 (26115)	22.08	20.99	20.01	18.82
	36RB-Low (0)	1907.5 (26615)	22.16	21.14	20.17	18.84
		1882.5 (26365)	22.09	21.02	20.06	18.62
		1857.5 (26115)	22.09	20.97	20.04	18.75
	75RB (0)	1907.5 (26615)	22.16	21.18	20.17	18.86
		1882.5 (26365)	22.06	21.03	20.01	18.65
		1857.5 (26115)	22.09	21.05	20.02	18.61
20MHz	1RB-High (99)	1905 (26590)	23.45	22.70	21.60	18.64
		1882.5 (26365)	23.38	22.68	21.55	18.53
		1860 (26140)	23.51	22.70	21.54	18.47
	1RB-Middle (50)	1905 (26590)	23.44	22.62	21.56	18.49
		1882.5 (26365)	23.44	22.68	21.50	18.27
		1860 (26140)	23.24	22.58	21.43	18.38
	1RB-Low (0)	1905 (26590)	23.41	22.59	21.53	18.30
		1882.5 (26365)	23.38	22.66	21.53	18.59

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		1860 (26140)	23.22	22.45	21.36	18.48
	50RB-High (50)	1905 (26590)	22.37	21.40	20.36	18.40
		1882.5 (26365)	22.40	21.38	20.41	18.40
		1860 (26140)	22.35	21.34	20.34	18.16
	50RB-Middle (25)	1905 (26590)	22.40	21.40	20.41	18.19
		1882.5 (26365)	22.44	21.42	20.45	18.25
		1860 (26140)	22.26	21.25	20.23	18.34
	50RB-Low (0)	1905 (26590)	22.44	21.47	20.46	18.11
		1882.5 (26365)	22.47	21.46	20.48	18.32
		1860 (26140)	22.49	21.27	20.25	18.24
	100RB (0)	1905 (26590)	22.40	21.41	20.40	18.43
		1882.5 (26365)	22.48	21.42	20.43	18.23
		1860 (26140)	22.30	21.27	20.30	18.23

LTE Band26(ANT1 DSI 0/1/2)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	22.74	22.01	21.08	18.14
		831.5 (26865)	22.95	22.17	21.23	18.50
		814.7 (26697)	22.90	22.12	21.23	18.14
	1RB-Middle (3)	848.3 (27033)	22.67	21.93	21.04	18.39
		831.5 (26865)	22.98	22.06	21.28	18.14
		814.7 (26697)	22.98	22.12	21.12	18.48
	1RB-Low (0)	848.3 (27033)	22.85	21.97	21.01	18.43
		831.5 (26865)	22.92	22.10	21.22	18.24
		814.7 (26697)	23.00	22.20	21.15	18.21
	3RB-High (3)	848.3 (27033)	22.79	21.78	20.97	18.11
		831.5 (26865)	22.92	21.81	21.14	18.30
		814.7 (26697)	22.92	22.03	21.09	18.14
	3RB-Middle (1)	848.3 (27033)	22.82	21.92	20.95	18.46
		831.5 (26865)	22.92	21.93	21.09	18.21
		814.7 (26697)	22.99	21.96	21.13	18.30
	3RB-Low (0)	848.3 (27033)	22.79	21.76	20.96	18.48
		831.5 (26865)	22.92	21.96	21.23	18.41
		814.7 (26697)	22.94	22.06	21.13	18.16
	6RB (0)	848.3 (27033)	21.87	21.02	19.85	18.37
		831.5 (26865)	21.97	21.17	20.07	18.41
		814.7 (26697)	21.98	21.12	19.90	18.39
3MHz	1RB-High (14)	847.5 (27025)	22.84	22.09	20.99	18.26
		831.5 (26865)	22.99	22.03	21.25	18.11
		815.5 (26705)	22.87	22.05	21.23	18.34

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	1RB-Middle (7)	847.5 (27025)	22.88	22.03	21.07	18.36
		831.5 (26865)	23.10	22.20	21.26	18.20
		815.5 (26705)	22.96	22.00	21.23	18.16
	1RB-Low (0)	847.5 (27025)	22.74	21.99	21.02	18.22
		831.5 (26865)	23.07	22.31	21.25	18.31
		815.5 (26705)	22.91	22.10	21.19	18.50
	8RB-High (7)	847.5 (27025)	21.85	20.93	19.97	18.14
		831.5 (26865)	21.96	21.14	20.13	18.49
		815.5 (26705)	21.87	21.01	20.05	18.38
	8RB-Middle (4)	847.5 (27025)	21.80	20.95	19.95	18.16
		831.5 (26865)	21.96	21.09	20.07	18.44
		815.5 (26705)	21.89	21.07	20.07	18.41
	8RB-Low (0)	847.5 (27025)	21.80	20.96	20.02	18.34
		831.5 (26865)	22.00	21.14	20.14	18.28
		815.5 (26705)	21.94	21.16	20.13	18.19
	15RB (0)	847.5 (27025)	21.83	20.92	19.89	18.10
		831.5 (26865)	21.96	21.08	20.08	18.14
		815.5 (26705)	21.92	21.05	20.07	18.50
5MHz	1RB-High (24)	846.5 (27015)	22.89	22.13	21.11	18.38
		831.5 (26865)	22.99	22.10	21.16	18.36
		816.5 (26715)	23.03	22.16	21.14	18.26
	1RB-Middle (12)	846.5 (27015)	22.94	22.10	21.11	18.48
		831.5 (26865)	23.07	22.22	21.28	18.20
		816.5 (26715)	22.91	22.30	21.23	18.26
	1RB-Low (0)	846.5 (27015)	22.99	22.12	21.25	18.47
		831.5 (26865)	22.90	22.18	21.38	18.19
		816.5 (26715)	23.04	22.26	21.16	18.25
	12RB-High (13)	846.5 (27015)	21.88	20.99	20.00	18.26
		831.5 (26865)	21.99	21.11	20.15	18.11
		816.5 (26715)	21.99	21.18	20.13	18.22
	12RB-Middle (6)	846.5 (27015)	21.83	21.00	20.11	18.19
		831.5 (26865)	21.98	21.14	20.14	18.17
		816.5 (26715)	21.95	21.12	20.08	18.50
	12RB-Low (0)	846.5 (27015)	21.96	21.08	20.18	18.47
		831.5 (26865)	22.06	21.16	20.21	18.14
		816.5 (26715)	21.99	21.12	20.12	18.38
	25RB (0)	846.5 (27015)	21.99	21.06	20.03	18.27
		831.5 (26865)	22.04	21.17	20.13	18.42
		816.5 (26715)	22.05	21.15	20.09	18.17
10MHz	1RB-High (49)	844 (26990)	22.85	22.10	21.07	18.35
		831.5 (26865)	23.16	22.19	21.23	18.25

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		820 (26750)	23.15	22.29	21.19	18.18
	1RB-Middle (24)	844 (26990)	22.93	22.01	21.00	18.41
		831.5 (26865)	23.04	22.06	21.18	18.37
		820 (26750)	22.97	22.10	21.11	18.42
	1RB-Low (0)	844 (26990)	22.99	22.22	21.16	18.17
		831.5 (26865)	23.13	22.36	21.13	18.20
		820 (26750)	23.10	22.26	21.27	18.27
	25RB-High (25)	844 (26990)	21.86	20.93	19.91	18.32
		831.5 (26865)	22.01	21.14	20.09	18.42
		820 (26750)	22.03	21.01	20.01	18.18
	25RB-Middle (12)	844 (26990)	21.94	20.96	19.97	18.48
		831.5 (26865)	21.98	21.10	20.06	18.22
		820 (26750)	21.97	20.97	20.03	18.21
	25RB-Low (0)	844 (26990)	21.99	21.06	20.00	18.20
		831.5 (26865)	22.06	21.18	20.11	18.40
		820 (26750)	21.85	20.97	19.95	18.32
	50RB (0)	844 (26990)	21.93	20.98	19.93	18.42
		831.5 (26865)	22.01	21.14	20.13	18.17
		820 (26750)	21.88	20.96	19.97	18.15
15MHz	1RB-High (74)	841.5 (26965)	23.27	22.60	21.36	18.34
		831.5 (26865)	23.35	22.55	21.50	18.23
		822.5 (26775)	23.42	22.59	21.48	18.31
	1RB-Middle (37)	841.5 (26965)	23.28	22.55	21.52	18.30
		831.5 (26865)	23.45	22.56	21.58	18.45
		822.5 (26775)	23.33	22.52	21.52	18.56
	1RB-Low (0)	841.5 (26965)	23.42	22.59	21.60	18.55
		831.5 (26865)	23.44	22.72	21.44	18.48
		822.5 (26775)	23.32	22.51	21.46	18.55
	36RB-High (38)	841.5 (26965)	22.27	21.26	20.28	18.23
		831.5 (26865)	22.40	21.48	20.50	18.22
		822.5 (26775)	22.30	21.30	20.24	18.25
	36RB-Middle (19)	841.5 (26965)	22.32	21.35	20.36	18.23
		831.5 (26865)	22.36	21.44	20.46	18.45
		822.5 (26775)	22.33	21.31	20.32	18.38
	36RB-Low (0)	841.5 (26965)	22.23	21.35	20.33	18.33
		831.5 (26865)	22.44	21.47	20.44	18.26
		822.5 (26775)	22.31	21.35	20.31	18.39
	75RB (0)	841.5 (26965)	22.32	21.34	20.35	18.32
		831.5 (26865)	22.46	21.52	20.48	18.28
		822.5 (26775)	22.32	21.31	20.27	18.47

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LTE Band30(ANT4 DSI 0/1/2/3/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2312.5 (27735)	22.64	21.78	20.75	17.76
		2310 (27710)	22.79	21.95	20.72	17.78
		2307.5 (27685)	22.79	22.03	20.88	17.85
	1RB-Middle (12)	2312.5 (27735)	22.64	21.9	20.84	17.66
		2310 (27710)	22.79	22.18	20.97	17.77
		2307.5 (27685)	22.83	22.14	20.97	18.06
	1RB-Low (0)	2312.5 (27735)	22.75	21.99	20.89	17.82
		2310 (27710)	22.8	22.12	21.04	17.91
		2307.5 (27685)	22.83	22.06	20.97	17.88
	12RB-High (13)	2312.5 (27735)	21.62	20.71	19.75	17.8
		2310 (27710)	21.78	20.78	19.81	17.63
		2307.5 (27685)	21.75	20.81	19.82	17.87
	12RB-Middle (6)	2312.5 (27735)	21.64	20.72	19.76	17.72
		2310 (27710)	21.75	20.81	19.83	18.06
		2307.5 (27685)	21.83	20.82	19.88	18.07
	12RB-Low (0)	2312.5 (27735)	21.7	20.82	19.76	17.69
		2310 (27710)	21.8	20.83	19.87	17.98
		2307.5 (27685)	21.85	20.86	19.9	18.01
	25RB (0)	2312.5 (27735)	21.68	20.78	19.73	17.55
		2310 (27710)	21.8	20.84	19.8	17.52
		2307.5 (27685)	21.81	20.85	19.77	17.48
10MHz	1RB-High (49)	2310 (27710)	22.7	21.81	20.9	17.75
	1RB-Middle (24)	2310 (27710)	22.84	22	21	17.6
	1RB-Low (0)	2310 (27710)	22.87	22.12	21.02	17.9
	25RB-High (25)	2310 (27710)	21.74	20.84	19.77	17.89
	25RB-Middle (12)	2310 (27710)	21.75	20.81	19.79	17.85
	25RB-Low (0)	2310 (27710)	21.86	20.85	19.84	18.07
	50RB (0)	2310 (27710)	21.83	20.84	19.82	17.9

LTE Band41(ANT4 DSI 0/1/2)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	22.74	22.08	20.92	17.37
		2640.3(41093)	22.84	21.54	20.15	17.44
		2593 (40620)	22.40	21.30	20.46	17.48
		2545.8(40148)	22.85	22.18	20.80	17.53
		2498.5 (39675)	22.73	21.75	20.41	17.39
	1RB-Middle (12)	2687.5 (41565)	22.77	22.03	20.85	17.53

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		2640.3(41093)	22.91	21.55	20.13	17.36
		2593 (40620)	22.53	21.36	20.28	17.72
		2545.8(40148)	22.95	22.23	20.89	17.56
		2498.5 (39675)	22.78	21.73	20.36	17.42
	1RB-Low (0)	2687.5 (41565)	22.74	22.01	20.83	17.56
		2640.3(41093)	22.83	21.54	20.15	17.48
		2593 (40620)	22.43	21.39	20.35	17.68
		2545.8(40148)	22.89	22.25	20.87	17.36
		2498.5 (39675)	22.73	21.68	20.34	17.49
	12RB-High (13)	2687.5 (41565)	22.16	21.14	20.22	17.58
		2640.3(41093)	21.47	20.42	20.12	17.25
		2593 (40620)	21.26	20.19	19.25	17.41
		2545.8(40148)	22.19	21.14	20.19	17.29
		2498.5 (39675)	21.77	20.71	19.76	17.75
	12RB-Middle (6)	2687.5 (41565)	22.14	21.12	20.21	17.36
		2640.3(41093)	21.49	20.44	19.49	17.67
		2593 (40620)	21.31	20.25	19.32	17.56
		2545.8(40148)	22.21	21.16	20.21	17.60
		2498.5 (39675)	21.78	20.70	19.77	17.37
	12RB-Low (0)	2687.5 (41565)	22.13	21.10	20.18	17.35
		2640.3(41093)	21.50	20.45	19.51	17.26
		2593 (40620)	21.34	20.25	19.32	17.27
		2545.8(40148)	22.25	21.17	20.24	17.66
		2498.5 (39675)	21.74	20.66	19.75	17.59
	25RB (0)	2687.5 (41565)	22.14	21.21	20.18	17.80
		2640.3(41093)	21.49	20.46	19.48	17.36
		2593 (40620)	21.29	20.29	19.29	17.53
		2545.8(40148)	22.23	21.25	20.24	17.47
		2498.5 (39675)	21.73	20.75	19.72	17.24
10MHz	1RB-High (49)	2685 (41540)	22.53	22.12	20.85	17.79
		2639(41080)	22.07	21.52	20.13	17.53
		2593 (40620)	22.71	21.31	20.33	17.61
		2547(40160)	22.23	22.19	20.81	17.63
		2501 (39700)	22.10	21.93	20.61	17.34
	1RB-Middle (24)	2685 (41540)	22.53	22.01	20.79	17.61
		2639(41080)	22.05	21.51	20.10	17.37
		2593 (40620)	22.72	21.34	20.46	17.57
		2547(40160)	22.20	22.22	20.82	17.43
		2501 (39700)	22.10	21.78	20.42	17.72
	1RB-Low (0)	2685 (41540)	22.55	21.97	20.75	17.34
		2639(41080)	22.09	21.51	20.13	17.32

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		2593 (40620)	22.81	21.46	20.06	17.76
		2547(40160)	22.28	22.32	20.97	17.40
		2501 (39700)	22.12	21.74	20.38	17.44
	25RB-High (25)	2685 (41540)	21.61	21.18	20.18	17.64
		2639(41080)	21.72	20.45	19.47	17.39
		2593 (40620)	21.56	20.26	19.28	17.56
		2547(40160)	21.49	21.23	20.24	17.22
		2501 (39700)	21.19	20.85	19.86	17.29
	25RB-Middle (12)	2685 (41540)	21.66	21.12	20.14	17.78
		2639(41080)	21.71	20.43	19.44	17.22
		2593 (40620)	21.56	20.28	19.31	17.30
		2547(40160)	21.55	21.24	20.26	17.72
		2501 (39700)	21.11	20.81	19.81	17.36
	25RB-Low (0)	2685 (41540)	21.67	21.09	20.10	17.35
		2639(41080)	21.72	20.45	19.47	17.41
		2593 (40620)	21.63	20.32	19.36	17.27
		2547(40160)	21.56	21.26	20.28	17.20
		2501 (39700)	21.07	20.76	19.77	17.55
	50RB (0)	2685 (41540)	21.65	21.15	20.13	17.43
		2639(41080)	21.70	20.44	19.42	17.64
		2593 (40620)	21.61	20.34	19.31	17.22
		2547(40160)	21.54	21.25	20.23	17.27
		2501 (39700)	21.13	20.84	19.80	17.70
15MHz	1RB-High (74)	2682.5 (41515)	22.71	22.06	20.90	17.25
		2637.8(41068)	22.79	21.49	20.06	17.30
		2593 (40620)	22.41	21.25	20.32	17.39
		2548.3(40173)	22.87	22.14	20.74	17.40
		2503.5 (39725)	22.82	22.08	20.70	17.39
	1RB-Middle (37)	2682.5 (41515)	22.70	21.91	20.77	17.49
		2637.8(41068)	22.80	21.48	20.07	17.68
		2593 (40620)	22.48	21.37	20.70	17.28
		2548.3(40173)	22.92	22.24	20.89	17.31
		2503.5 (39725)	22.83	21.91	20.54	17.32
	1RB-Low (0)	2682.5 (41515)	22.72	21.86	20.67	17.62
		2637.8(41068)	22.78	21.47	20.04	17.77
		2593 (40620)	22.52	21.47	20.06	17.64
		2548.3(40173)	22.98	22.32	20.96	17.29
		2503.5 (39725)	22.80	21.73	20.34	17.47
	36RB-High (38)	2682.5 (41515)	22.03	21.07	20.08	17.37
		2637.8(41068)	21.37	20.34	19.37	17.64
		2593 (40620)	21.19	20.19	19.20	17.60

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		2548.3(40173)	22.14	21.13	20.13	17.65
		2503.5 (39725)	21.97	20.93	19.93	17.53
	36RB-Middle (19)	2682.5 (41515)	21.98	21.00	20.03	17.57
		2637.8(41068)	21.38	20.37	19.37	17.51
		2593 (40620)	21.24	20.21	19.24	17.50
		2548.3(40173)	22.23	21.19	20.22	17.30
		2503.5 (39725)	21.89	20.86	19.88	17.28
	36RB-Low (0)	2682.5 (41515)	21.91	20.93	19.96	17.29
		2637.8(41068)	21.41	20.37	19.38	17.38
		2593 (40620)	21.34	20.31	19.32	17.52
		2548.3(40173)	22.25	21.24	20.25	17.56
		2503.5 (39725)	21.81	20.76	19.78	17.80
	75RB (0)	2682.5 (41515)	22.01	21.07	20.07	17.44
		2637.8(41068)	21.41	20.44	19.41	17.21
		2593 (40620)	21.27	20.29	19.27	17.47
		2548.3(40173)	22.24	21.27	20.26	17.47
		2503.5 (39725)	21.88	20.90	19.89	17.49
20MHz	1RB-High (99)	2680 (41490)	22.78	22.15	20.90	17.75
		2636.5(41055)	22.95	21.64	20.25	17.23
		2593 (40620)	22.44	21.29	20.03	17.14
		2549.5(40185)	22.83	22.07	20.65	17.72
		2506 (39750)	22.74	22.02	20.58	17.51
	1RB-Middle (50)	2680 (41490)	22.83	22.09	20.72	17.89
		2636.5(41055)	22.89	21.59	20.18	17.39
		2593 (40620)	22.56	21.43	20.01	17.25
		2549.5(40185)	22.93	22.16	20.76	17.79
		2506 (39750)	22.70	21.86	20.47	17.45
	1RB-Low (0)	2680 (41490)	22.97	21.99	20.63	17.80
		2636.5(41055)	22.88	21.55	20.11	17.19
		2593 (40620)	22.58	21.58	20.17	17.34
		2549.5(40185)	22.90	22.25	20.82	17.96
		2506 (39750)	22.72	21.70	20.34	17.28
	50RB-High (50)	2680 (41490)	22.16	21.23	20.21	17.89
		2636.5(41055)	21.56	20.57	19.53	17.57
		2593 (40620)	21.29	20.33	19.30	17.00
		2549.5(40185)	22.14	21.15	20.13	17.66
		2506 (39750)	21.94	20.97	19.92	17.75
	50RB-Middle (25)	2680 (41490)	22.12	21.20	20.18	17.71
		2636.5(41055)	21.53	20.57	19.53	17.46
		2593 (40620)	21.40	20.41	19.39	17.38
		2549.5(40185)	22.19	21.20	20.16	17.90

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		2506 (39750)	21.87	20.89	19.85	17.56
	50RB-Low (0)	2680 (41490)	22.21	21.11	20.10	17.75
		2636.5(41055)	21.55	20.57	19.53	17.31
		2593 (40620)	21.44	20.45	19.42	17.43
		2549.5(40185)	22.20	21.23	20.20	18.06
		2506 (39750)	21.77	20.77	19.74	17.54
	100RB (0)	2680 (41490)	22.12	21.17	20.18	18.14
		2636.5(41055)	21.53	20.58	19.55	17.56
		2593 (40620)	21.39	20.39	19.36	17.08
		2549.5(40185)	22.14	21.18	20.18	17.63
		2506 (39750)	21.87	20.88	19.82	17.57

LTE Band48(ANT7 DSI 0/3)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	21.87	21.67	21.32	17.43
		55990	20.91	20.88	20.63	17.22
		55265	20.51	20.32	19.91	17.25
	1RB-Middle (12)	56715	21.75	21.80	21.34	17.25
		55990	20.83	20.78	20.59	17.30
		55265	20.46	20.30	20.14	17.41
	1RB-Low (0)	56715	21.64	21.68	21.08	17.61
		55990	20.81	20.75	20.18	16.99
		55265	20.47	20.48	19.96	17.42
	12RB-High (13)	56715	21.60	21.57	20.68	17.43
		55990	21.01	20.98	19.91	17.37
		55265	20.42	20.45	19.27	17.25
	12RB-Middle (6)	56715	21.59	21.52	20.59	17.40
		55990	20.97	20.97	19.71	17.32
		55265	20.32	20.47	19.28	17.44
	12RB-Low (0)	56715	21.69	21.75	20.62	17.55
		55990	20.78	20.80	19.89	17.37
		55265	20.60	20.44	19.26	17.68
	25RB (0)	56715	21.50	21.77	20.77	17.61
		55990	20.85	20.95	19.93	17.19
		55265	20.29	20.52	19.36	17.37
10MHz	1RB-High (49)	56690	21.55	21.81	21.24	17.52
		55990	21.10	21.05	20.69	17.34
		55290	20.51	20.40	20.10	17.20
	1RB-Middle (24)	56690	21.85	21.79	21.10	17.31
		55990	20.70	20.85	20.59	17.55

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		55290	20.55	20.41	19.99	17.29
	1RB-Low (0)	56690	21.82	21.74	21.17	17.72
		55990	20.50	20.77	20.26	17.31
		55290	20.57	20.45	20.16	17.55
	25RB-High (25)	56690	21.60	21.60	20.69	17.62
		55990	20.89	20.82	20.02	17.68
		55290	20.50	20.39	19.34	17.13
	25RB-Middle (12)	56690	21.65	21.83	20.55	17.41
		55990	20.98	20.70	19.91	17.30
		55290	20.45	20.60	19.26	17.28
	25RB-Low (0)	56690	21.56	21.72	20.63	17.36
		55990	20.62	20.69	19.62	17.18
		55290	20.58	20.35	19.41	17.39
	50RB (0)	56690	21.76	21.80	20.67	17.45
		55990	20.97	21.01	19.75	17.26
		55290	20.39	20.38	19.54	17.26
15MHz	1RB-High (74)	56665	21.80	21.65	21.50	17.32
		55990	20.95	20.91	20.48	17.55
		55315	20.51	20.36	20.22	17.24
	1RB-Middle (37)	56665	21.84	21.71	21.19	17.11
		55990	20.77	20.92	20.57	17.26
		55315	20.56	20.32	19.93	17.08
	1RB-Low (0)	56665	21.47	21.54	21.19	17.43
		55990	20.64	20.63	20.37	17.23
		55315	20.34	20.36	19.92	17.57
	36RB-High (38)	56665	21.62	21.71	20.50	17.48
		55990	20.90	20.77	19.76	17.51
		55315	20.39	20.59	19.37	17.10
	36RB-Middle (19)	56665	21.69	21.80	20.60	17.39
		55990	20.88	20.89	20.01	17.39
		55315	20.26	20.49	19.33	17.28
	36RB-Low (0)	56665	21.65	21.60	20.49	17.59
		55990	20.55	20.81	19.72	17.22
		55315	20.54	20.53	19.35	17.45
	75RB (0)	56665	21.54	21.76	20.56	17.63
		55990	20.73	20.83	19.74	17.29
		55315	20.30	20.57	19.42	17.30
20MHz	1RB-High (99)	56640	21.72	21.77	21.35	17.47
		55990	20.98	21.02	20.61	17.38
		55340	20.40	20.45	20.04	17.29
	1RB-Middle (50)	56640	21.67	21.69	21.27	17.24

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		55990	20.85	20.89	20.48	17.38
		55340	20.44	20.48	20.05	17.25
	1RB-Low (0)	56640	21.65	21.67	21.26	17.54
		55990	20.65	20.70	20.27	17.15
		55340	20.42	20.47	20.07	17.49
	50RB-High (50)	56640	21.67	21.69	20.68	17.44
		55990	20.91	20.90	19.89	17.55
		55340	20.43	20.44	19.41	17.22
	50RB-Middle (25)	56640	21.66	21.68	20.66	17.46
		55990	20.84	20.87	19.85	17.25
		55340	20.43	20.45	19.43	17.37
	50RB-Low (0)	56640	21.62	21.65	20.62	17.45
		55990	20.72	20.76	19.73	17.25
		55340	20.42	20.44	19.42	17.53
	100RB (0)	56640	21.65	21.68	20.65	17.52
		55990	20.81	20.85	19.82	17.33
		55340	20.42	20.44	19.41	17.42

LTE Band48(ANT7 DSI 1/2/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	23.78	22.77	21.40	18.55
		55990	22.88	21.90	20.52	18.44
		55265	22.44	21.46	20.09	18.24
	1RB-Middle (12)	56715	23.80	22.76	21.36	18.42
		55990	22.87	21.87	20.46	18.44
		55265	22.48	21.46	20.07	18.40
	1RB-Low (0)	56715	23.78	22.74	21.35	18.22
		55990	22.81	21.81	20.44	18.20
		55265	22.42	21.45	20.09	18.22
	12RB-High (13)	56715	22.74	21.69	20.24	18.60
		55990	22.82	21.79	20.17	18.22
		55265	22.42	21.36	20.22	18.27
	12RB-Middle (6)	56715	22.71	21.67	20.72	18.42
		55990	22.80	21.76	20.63	18.38
		55265	22.42	21.34	20.52	18.45
	12RB-Low (0)	56715	22.73	21.68	20.74	18.54
		55990	22.79	21.73	20.35	18.47
		55265	22.41	21.45	20.64	18.24
	25RB (0)	56715	22.72	21.72	20.75	18.53
		55990	21.83	20.85	19.86	18.28

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		55265	21.42	20.41	19.44	18.40
10MHz	1RB-High (49)	56690	23.79	22.77	21.38	18.37
		55990	22.97	21.97	20.59	18.54
		55290	22.40	21.43	20.06	18.39
	1RB-Middle (24)	56690	23.68	22.71	21.31	18.44
		55990	22.77	21.84	20.42	18.51
		55290	22.37	21.41	20.04	18.37
	1RB-Low (0)	56690	23.68	22.70	21.32	18.45
		55990	22.73	21.75	20.36	18.41
		55290	22.42	21.46	20.08	18.23
	25RB-High (25)	56690	22.66	21.68	20.71	18.36
		55990	21.85	20.83	19.86	18.53
		55290	21.35	20.36	19.39	18.23
	25RB-Middle (12)	56690	22.65	21.67	20.68	18.26
		55990	21.77	20.76	19.79	18.42
		55290	21.35	20.36	19.38	18.26
	25RB-Low (0)	56690	22.64	21.66	20.68	18.48
		55990	21.72	20.72	19.74	18.51
		55290	21.36	20.35	19.38	18.46
	50RB (0)	56690	22.64	21.69	20.66	18.44
		55990	21.77	20.82	19.78	18.57
		55290	21.37	20.40	19.36	18.44
15MHz	1RB-High (74)	56665	23.80	22.81	21.41	18.30
		55990	22.98	22.03	20.64	18.38
		55315	22.43	21.45	20.07	18.59
	1RB-Middle (37)	56665	23.76	22.77	21.36	18.29
		55990	22.86	21.89	20.51	18.39
		55315	22.42	21.48	20.08	18.34
	1RB-Low (0)	56665	23.70	22.71	21.31	18.59
		55990	22.70	21.74	20.35	18.36
		55315	22.46	21.48	20.10	18.57
	36RB-High (38)	56665	22.71	21.70	20.72	18.23
		55990	21.86	20.85	19.88	18.38
		55315	21.38	20.37	19.37	18.30
	36RB-Middle (19)	56665	22.68	21.67	20.67	18.32
		55990	21.79	20.78	19.81	18.35
		55315	21.39	20.35	19.39	18.21
	36RB-Low (0)	56665	22.67	21.64	20.67	18.40
		55990	21.74	20.72	19.74	18.58
		55315	21.37	20.36	19.39	18.30
	75RB (0)	56665	22.68	21.74	20.74	18.49

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		55990	21.82	20.86	19.85	18.49
		55315	21.38	20.45	19.44	18.48
20MHz	1RB-High (99)	56640	23.59	22.44	21.09	18.24
		55990	22.75	21.89	20.46	18.30
		55340	22.10	21.18	20.03	18.50
	1RB-Middle (50)	56640	23.39	22.33	21.00	18.23
		55990	22.63	21.67	20.36	18.50
		55340	22.11	21.21	20.02	18.33
	1RB-Low (0)	56640	23.43	22.31	20.94	18.43
		55990	22.49	21.64	20.26	18.30
		55340	22.15	21.23	20.03	18.49
	50RB-High (50)	56640	22.34	21.38	20.40	18.30
		55990	21.64	20.77	19.80	18.25
		55340	21.11	20.15	19.21	18.28
	50RB-Middle (25)	56640	22.30	21.37	20.36	18.48
		55990	21.62	20.67	19.76	18.32
		55340	21.11	20.15	19.23	18.33
	50RB-Low (0)	56640	22.27	21.38	20.35	18.30
		55990	21.53	20.60	19.66	18.49
		55340	21.13	20.20	19.25	18.46
	100RB (0)	56640	22.30	21.40	20.30	18.36
		55990	21.59	20.72	19.73	18.35
		55340	21.10	20.16	19.23	18.29

LTE Band66(ANT2 DSI 0/3)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	18.52	18.95	18.62	16.58
		1745 (132322)	18.79	19.29	18.85	16.57
		1710.7 (131979)	18.83	19.07	19.05	16.62
	1RB-Middle (3)	1779.3 (132665)	18.57	18.97	18.77	16.67
		1745 (132322)	18.85	19.29	19.12	16.63
		1710.7 (131979)	18.84	18.90	18.87	16.65
	1RB-Low (0)	1779.3 (132665)	18.81	19.11	18.87	16.76
		1745 (132322)	18.87	19.30	18.87	16.67
		1710.7 (131979)	18.84	19.19	19.06	16.59
	3RB-High (3)	1779.3 (132665)	18.65	18.57	18.66	16.70
		1745 (132322)	18.84	18.79	18.87	16.67
		1710.7 (131979)	18.81	18.77	18.69	16.82
	3RB-Middle (1)	1779.3 (132665)	18.62	18.56	18.71	16.55
		1745 (132322)	18.80	18.80	18.85	16.63

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		1710.7 (131979)	18.84	18.77	18.85	16.70
	3RB-Low (0)	1779.3 (132665)	18.65	18.68	18.62	16.67
		1745 (132322)	18.85	18.74	18.80	16.66
		1710.7 (131979)	18.86	18.71	18.72	16.76
	6RB (0)	1779.3 (132665)	18.69	18.57	18.66	16.59
		1745 (132322)	18.79	18.82	18.82	16.56
		1710.7 (131979)	18.86	18.83	18.80	16.67
3MHz	1RB-High (14)	1778.5 (132657)	18.53	18.93	18.73	16.61
		1745 (132322)	18.73	19.14	18.96	16.49
		1711.5 (131987)	18.78	19.16	18.95	16.65
	1RB-Middle (7)	1778.5 (132657)	18.55	19.01	18.70	16.53
		1745 (132322)	18.91	19.32	19.01	16.75
		1711.5 (131987)	18.77	19.00	18.89	16.65
	1RB-Low (0)	1778.5 (132657)	18.86	18.97	18.88	16.67
		1745 (132322)	18.94	19.12	18.92	16.55
		1711.5 (131987)	18.79	19.15	19.05	16.63
	8RB-High (7)	1778.5 (132657)	18.68	18.68	18.56	16.72
		1745 (132322)	18.84	18.98	18.81	16.71
		1711.5 (131987)	18.66	18.88	18.83	16.92
	8RB-Middle (4)	1778.5 (132657)	18.75	18.56	18.68	16.48
		1745 (132322)	18.96	18.77	18.77	16.65
		1711.5 (131987)	18.90	18.78	18.88	16.75
	8RB-Low (0)	1778.5 (132657)	18.63	18.84	18.68	16.63
		1745 (132322)	18.81	18.78	18.75	16.75
		1711.5 (131987)	18.76	18.77	18.79	16.85
	15RB (0)	1778.5 (132657)	18.71	18.71	18.58	16.54
		1745 (132322)	18.87	18.79	18.75	16.69
		1711.5 (131987)	18.74	18.84	18.73	16.75
5MHz	1RB-High (24)	1777.5 (132647)	18.42	18.95	18.75	16.62
		1745 (132322)	18.82	19.11	18.99	16.58
		1712.5 (131997)	18.86	19.09	19.09	16.69
	1RB-Middle (12)	1777.5 (132647)	18.52	19.00	18.84	16.61
		1745 (132322)	18.89	19.31	18.99	16.70
		1712.5 (131997)	18.80	18.89	18.82	16.66
	1RB-Low (0)	1777.5 (132647)	18.69	19.00	18.84	16.83
		1745 (132322)	18.83	19.23	19.00	16.51
		1712.5 (131997)	18.80	19.07	19.04	16.59
	12RB-High (13)	1777.5 (132647)	18.73	18.65	18.52	16.79
		1745 (132322)	18.91	18.82	18.89	16.78
		1712.5 (131997)	18.79	18.83	18.69	16.92
	12RB-Middle (6)	1777.5 (132647)	18.59	18.69	18.63	16.64

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		1745 (132322)	18.85	18.81	18.87	16.55
		1712.5 (131997)	18.84	18.80	18.91	16.73
	12RB-Low (0)	1777.5 (132647)	18.75	18.67	18.63	16.48
		1745 (132322)	18.92	18.88	18.85	16.74
		1712.5 (131997)	18.68	18.82	18.79	16.67
	25RB (0)	1777.5 (132647)	18.76	18.70	18.61	16.63
		1745 (132322)	18.88	18.88	18.86	16.69
		1712.5 (131997)	18.85	18.80	18.88	16.72
10MHz	1RB-High (49)	1775 (132622)	18.53	18.86	18.75	16.65
		1745 (132322)	18.82	19.15	18.88	16.50
		1715 (132022)	18.84	19.04	18.94	16.59
	1RB-Middle (24)	1775 (132622)	18.60	18.97	18.71	16.59
		1745 (132322)	18.84	19.14	19.06	16.73
		1715 (132022)	18.83	18.89	18.83	16.60
	1RB-Low (0)	1775 (132622)	18.85	18.98	18.98	16.68
		1745 (132322)	18.87	19.15	18.96	16.66
		1715 (132022)	18.93	19.17	19.01	16.54
	25RB-High (25)	1775 (132622)	18.58	18.56	18.65	16.80
		1745 (132322)	18.88	18.83	18.83	16.80
		1715 (132022)	18.75	18.85	18.77	16.91
	25RB-Middle (12)	1775 (132622)	18.60	18.51	18.65	16.59
		1745 (132322)	18.87	18.80	18.89	16.61
		1715 (132022)	18.89	18.79	18.72	16.72
	25RB-Low (0)	1775 (132622)	18.66	18.86	18.69	16.53
		1745 (132322)	18.86	18.80	18.82	16.59
		1715 (132022)	18.74	18.66	18.75	16.81
	50RB (0)	1775 (132622)	18.56	18.53	18.60	16.67
		1745 (132322)	18.85	18.81	18.83	16.58
		1715 (132022)	18.87	18.80	18.76	16.68
15MHz	1RB-High (74)	1772.5 (132597)	18.54	18.92	18.64	16.51
		1745 (132322)	18.88	19.27	18.98	16.54
		1717.5 (132047)	18.85	19.17	18.97	16.58
	1RB-Middle (37)	1772.5 (132597)	18.67	18.81	18.78	16.63
		1745 (132322)	18.85	19.22	18.99	16.55
		1717.5 (132047)	18.71	18.95	18.79	16.57
	1RB-Low (0)	1772.5 (132597)	18.85	19.02	18.84	16.80
		1745 (132322)	18.80	19.17	18.88	16.59
		1717.5 (132047)	18.75	19.15	19.07	16.71
	36RB-High (38)	1772.5 (132597)	18.68	18.63	18.66	16.81
		1745 (132322)	18.91	18.98	18.88	16.70
		1717.5 (132047)	18.75	18.87	18.83	16.92

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	36RB-Middle (19)	1772.5 (132597)	18.71	18.66	18.68	16.52
		1745 (132322)	18.79	18.94	18.76	16.60
		1717.5 (132047)	18.84	18.89	18.81	16.72
	36RB-Low (0)	1772.5 (132597)	18.77	18.72	18.80	16.66
		1745 (132322)	18.91	18.91	18.89	16.57
		1717.5 (132047)	18.69	18.79	18.70	16.66
	75RB (0)	1772.5 (132597)	18.70	18.69	18.53	16.54
		1745 (132322)	18.91	18.90	18.77	16.67
		1717.5 (132047)	18.75	18.84	18.70	16.61
20MHz	1RB-High (99)	1770 (132572)	18.57	18.91	18.77	16.66
		1745 (132322)	18.88	19.26	18.98	16.60
		1720 (132072)	18.84	19.18	19.08	16.70
	1RB-Middle (50)	1770 (132572)	18.64	18.96	18.81	16.65
		1745 (132322)	18.92	19.28	19.09	16.70
		1720 (132072)	18.80	19.02	18.90	16.69
	1RB-Low (0)	1770 (132572)	18.82	19.12	18.96	16.79
		1745 (132322)	18.90	19.25	18.98	16.65
		1720 (132072)	18.90	19.15	19.11	16.67
	50RB-High (50)	1770 (132572)	18.70	18.67	18.66	16.84
		1745 (132322)	18.92	18.94	18.91	16.75
		1720 (132072)	18.80	18.85	18.80	16.87
	50RB-Middle (25)	1770 (132572)	18.70	18.66	18.68	16.62
		1745 (132322)	18.91	18.90	18.91	16.69
		1720 (132072)	18.86	18.85	18.87	16.79
	50RB-Low (0)	1770 (132572)	18.78	18.81	18.77	16.63
		1745 (132322)	18.89	18.88	18.89	16.70
		1720 (132072)	18.82	18.80	18.83	16.80
	100RB (0)	1770 (132572)	18.71	18.68	18.67	16.68
		1745 (132322)	18.88	18.88	18.87	16.66
		1720 (132072)	18.84	18.83	18.84	16.72

LTE Band66(ANT2 DSI 1/2/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	20.10	20.46	20.12	17.40
		1745 (132322)	20.44	20.55	20.48	17.17
		1710.7 (131979)	20.31	20.56	20.61	17.19
	1RB-Middle (3)	1779.3 (132665)	20.22	20.51	20.24	17.44
		1745 (132322)	20.51	20.51	20.70	17.21
		1710.7 (131979)	20.24	20.47	20.61	17.33
	1RB-Low (0)	1779.3 (132665)	20.18	20.59	20.44	17.24

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		1745 (132322)	20.39	20.69	20.69	17.18
		1710.7 (131979)	20.44	20.68	20.47	17.30
	3RB-High (3)	1779.3 (132665)	20.05	20.18	20.01	17.11
		1745 (132322)	20.44	20.42	20.34	17.34
		1710.7 (131979)	20.35	20.30	20.39	17.24
	3RB-Middle (1)	1779.3 (132665)	20.21	20.03	20.22	17.38
		1745 (132322)	20.36	20.28	20.35	17.36
		1710.7 (131979)	20.31	20.28	20.35	17.08
	3RB-Low (0)	1779.3 (132665)	20.23	20.22	20.15	17.22
		1745 (132322)	20.27	20.41	20.27	17.12
		1710.7 (131979)	20.35	20.33	20.37	17.22
	6RB (0)	1779.3 (132665)	20.23	20.18	20.09	17.08
		1745 (132322)	20.37	20.26	20.28	17.30
		1710.7 (131979)	20.24	20.28	20.31	17.22
3MHz	1RB-High (14)	1778.5 (132657)	19.96	20.46	20.12	17.39
		1745 (132322)	20.31	20.62	20.44	17.23
		1711.5 (131987)	20.34	20.60	20.53	17.21
	1RB-Middle (7)	1778.5 (132657)	20.18	20.46	20.27	17.36
		1745 (132322)	20.45	20.53	20.60	17.18
		1711.5 (131987)	20.26	20.41	20.52	17.21
	1RB-Low (0)	1778.5 (132657)	20.26	20.56	20.28	17.14
		1745 (132322)	20.40	20.61	20.57	17.12
		1711.5 (131987)	20.46	20.64	20.56	17.17
	8RB-High (7)	1778.5 (132657)	20.05	20.07	20.08	17.18
		1745 (132322)	20.45	20.31	20.47	17.36
		1711.5 (131987)	20.24	20.28	20.33	17.24
	8RB-Middle (4)	1778.5 (132657)	20.12	20.06	20.19	17.41
		1745 (132322)	20.43	20.32	20.33	17.27
		1711.5 (131987)	20.37	20.26	20.35	17.20
	8RB-Low (0)	1778.5 (132657)	20.33	20.26	20.28	17.31
		1745 (132322)	20.38	20.41	20.42	17.22
		1711.5 (131987)	20.29	20.23	20.28	17.24
	15RB (0)	1778.5 (132657)	20.17	20.23	20.24	17.13
		1745 (132322)	20.45	20.32	20.28	17.23
		1711.5 (131987)	20.22	20.33	20.27	17.18
5MHz	1RB-High (24)	1777.5 (132647)	19.96	20.48	20.15	17.37
		1745 (132322)	20.43	20.57	20.51	17.21
		1712.5 (131997)	20.24	20.43	20.53	17.23
	1RB-Middle (12)	1777.5 (132647)	20.13	20.66	20.19	17.36
		1745 (132322)	20.44	20.51	20.72	17.09
		1712.5 (131997)	20.33	20.58	20.62	17.31

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	1RB-Low (0)	1777.5 (132647)	20.23	20.68	20.33	17.16
		1745 (132322)	20.46	20.66	20.57	17.24
		1712.5 (131997)	20.35	20.71	20.53	17.21
	12RB-High (13)	1777.5 (132647)	20.04	20.24	20.06	17.24
		1745 (132322)	20.34	20.36	20.34	17.37
		1712.5 (131997)	20.31	20.31	20.39	17.13
	12RB-Middle (6)	1777.5 (132647)	20.16	20.12	20.07	17.30
		1745 (132322)	20.36	20.24	20.33	17.37
		1712.5 (131997)	20.30	20.30	20.40	17.23
	12RB-Low (0)	1777.5 (132647)	20.15	20.25	20.13	17.39
		1745 (132322)	20.31	20.40	20.42	17.20
		1712.5 (131997)	20.33	20.24	20.19	17.23
	25RB (0)	1777.5 (132647)	20.18	20.04	20.16	17.17
		1745 (132322)	20.44	20.40	20.23	17.32
		1712.5 (131997)	20.38	20.18	20.35	17.09
10MHz	1RB-High (49)	1775 (132622)	20.04	20.51	20.25	17.39
		1745 (132322)	20.32	20.62	20.43	17.24
		1715 (132022)	20.24	20.43	20.50	17.31
	1RB-Middle (24)	1775 (132622)	20.08	20.54	20.28	17.32
		1745 (132322)	20.36	20.41	20.63	17.20
		1715 (132022)	20.34	20.50	20.57	17.21
	1RB-Low (0)	1775 (132622)	20.18	20.59	20.31	17.11
		1745 (132322)	20.34	20.68	20.56	17.22
		1715 (132022)	20.42	20.71	20.59	17.30
	25RB-High (25)	1775 (132622)	20.09	20.12	20.02	17.19
		1745 (132322)	20.46	20.49	20.43	17.32
		1715 (132022)	20.40	20.19	20.28	17.28
	25RB-Middle (12)	1775 (132622)	20.03	20.11	20.21	17.34
		1745 (132322)	20.45	20.33	20.31	17.29
		1715 (132022)	20.34	20.38	20.30	17.09
	25RB-Low (0)	1775 (132622)	20.20	20.29	20.25	17.34
		1745 (132322)	20.42	20.30	20.37	17.06
		1715 (132022)	20.27	20.33	20.22	17.05
	50RB (0)	1775 (132622)	20.15	20.06	20.17	17.17
		1745 (132322)	20.44	20.42	20.38	17.24
		1715 (132022)	20.41	20.27	20.22	17.07
15MHz	1RB-High (74)	1772.5 (132597)	20.11	20.38	20.26	17.36
		1745 (132322)	20.41	20.56	20.55	17.16
		1717.5 (132047)	20.35	20.49	20.55	17.32
	1RB-Middle (37)	1772.5 (132597)	20.07	20.55	20.21	17.42
		1745 (132322)	20.35	20.59	20.70	17.10

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		1717.5 (132047)	20.40	20.56	20.62	17.30
	1RB-Low (0)	1772.5 (132597)	20.17	20.52	20.36	17.14
		1745 (132322)	20.28	20.54	20.52	17.26
		1717.5 (132047)	20.49	20.67	20.61	17.26
	36RB-High (38)	1772.5 (132597)	20.24	20.10	20.13	17.10
		1745 (132322)	20.46	20.29	20.47	17.36
		1717.5 (132047)	20.43	20.38	20.25	17.13
	36RB-Middle (19)	1772.5 (132597)	20.21	20.05	20.15	17.38
		1745 (132322)	20.29	20.44	20.40	17.46
		1717.5 (132047)	20.36	20.30	20.34	17.08
	36RB-Low (0)	1772.5 (132597)	20.22	20.24	20.18	17.31
		1745 (132322)	20.39	20.23	20.44	17.09
		1717.5 (132047)	20.22	20.29	20.27	17.16
	75RB (0)	1772.5 (132597)	20.20	20.20	20.18	17.23
		1745 (132322)	20.43	20.33	20.27	17.40
		1717.5 (132047)	20.22	20.28	20.25	17.05
20MHz	1RB-High (99)	1770 (132572)	20.09	20.47	20.27	17.36
		1745 (132322)	20.41	20.64	20.55	17.26
		1720 (132072)	20.38	20.58	20.59	17.31
	1RB-Middle (50)	1770 (132572)	20.17	20.61	20.25	17.39
		1745 (132322)	20.47	20.56	20.71	17.22
		1720 (132072)	20.37	20.55	20.59	17.34
	1RB-Low (0)	1770 (132572)	20.29	20.66	20.42	17.25
		1745 (132322)	20.43	20.69	20.65	17.27
		1720 (132072)	20.46	20.71	20.58	17.25
	50RB-High (50)	1770 (132572)	20.19	20.20	20.15	17.25
		1745 (132322)	20.43	20.44	20.44	17.36
		1720 (132072)	20.39	20.34	20.35	17.23
	50RB-Middle (25)	1770 (132572)	20.18	20.18	20.19	17.39
		1745 (132322)	20.42	20.39	20.39	17.42
		1720 (132072)	20.37	20.38	20.36	17.20
	50RB-Low (0)	1770 (132572)	20.29	20.30	20.27	17.36
		1745 (132322)	20.38	20.38	20.40	17.17
		1720 (132072)	20.34	20.31	20.33	17.19
	100RB (0)	1770 (132572)	20.23	20.19	20.19	17.21
		1745 (132322)	20.40	20.38	20.35	17.36
		1720 (132072)	20.36	20.31	20.33	17.19

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LTE Band66(ANT3 DSI 3/4/5)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.81	23.06	21.86	18.79
		1745 (132322)	23.87	23.12	22.12	18.77
		1710.7 (131979)	23.73	23.03	21.77	18.84
	1RB-Middle (3)	1779.3 (132665)	23.88	23.13	22.03	18.71
		1745 (132322)	23.77	22.93	21.98	18.68
		1710.7 (131979)	23.69	22.92	21.79	18.79
	1RB-Low (0)	1779.3 (132665)	23.82	23.03	21.76	18.85
		1745 (132322)	23.83	22.87	21.65	18.85
		1710.7 (131979)	23.76	22.88	21.89	18.63
	3RB-High (3)	1779.3 (132665)	23.81	22.89	21.84	18.78
		1745 (132322)	23.89	23.01	21.98	18.58
		1710.7 (131979)	23.74	23.03	21.87	18.77
	3RB-Middle (1)	1779.3 (132665)	24.01	23.04	22.12	18.69
		1745 (132322)	23.86	23.06	21.96	18.67
		1710.7 (131979)	23.80	22.95	21.91	18.79
	3RB-Low (0)	1779.3 (132665)	23.79	22.95	21.79	18.84
		1745 (132322)	23.79	22.91	21.76	18.85
		1710.7 (131979)	23.81	22.93	21.93	18.67
	6RB (0)	1779.3 (132665)	22.73	22.05	20.99	18.79
		1745 (132322)	22.74	21.88	20.76	18.78
		1710.7 (131979)	22.69	21.92	20.72	18.70
3MHz	1RB-High (14)	1778.5 (132657)	23.86	22.90	21.80	18.93
		1745 (132322)	23.94	23.02	22.13	18.76
		1711.5 (131987)	23.91	22.94	21.96	18.80
	1RB-Middle (7)	1778.5 (132657)	23.85	22.98	22.06	18.62
		1745 (132322)	23.79	22.88	22.03	18.75
		1711.5 (131987)	23.85	22.96	21.85	18.79
	1RB-Low (0)	1778.5 (132657)	23.92	22.98	21.71	18.76
		1745 (132322)	23.75	22.84	21.65	18.81
		1711.5 (131987)	23.73	22.92	21.86	18.67
	8RB-High (7)	1778.5 (132657)	22.75	21.87	20.75	18.58
		1745 (132322)	22.73	21.86	20.55	18.77
		1711.5 (131987)	22.72	21.72	20.86	18.91
	8RB-Middle (4)	1778.5 (132657)	22.96	22.15	21.03	18.79
		1745 (132322)	22.66	21.83	20.75	18.90
		1711.5 (131987)	22.55	21.71	20.55	18.69
	8RB-Low (0)	1778.5 (132657)	22.84	22.08	21.04	18.83
		1745 (132322)	22.71	21.86	20.76	18.83

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		1711.5 (131987)	22.68	21.84	20.84	18.64
	15RB (0)	1778.5 (132657)	22.92	21.92	20.87	18.76
		1745 (132322)	22.70	22.06	20.79	18.83
		1711.5 (131987)	22.80	21.89	20.82	18.73
5MHz	1RB-High (24)	1777.5 (132647)	23.91	23.04	21.79	18.75
		1745 (132322)	23.85	23.15	22.10	18.67
		1712.5 (131997)	23.77	22.96	21.79	18.89
	1RB-Middle (12)	1777.5 (132647)	23.86	23.13	22.10	18.78
		1745 (132322)	23.83	23.08	22.02	18.74
		1712.5 (131997)	23.78	22.94	21.78	18.61
	1RB-Low (0)	1777.5 (132647)	23.80	22.94	21.71	18.85
		1745 (132322)	23.78	22.98	21.79	18.74
		1712.5 (131997)	23.64	23.02	21.93	18.72
	12RB-High (13)	1777.5 (132647)	22.76	21.98	20.89	18.69
		1745 (132322)	22.70	21.74	20.56	18.66
		1712.5 (131997)	22.62	21.75	20.76	18.91
	12RB-Middle (6)	1777.5 (132647)	22.93	21.98	20.95	18.65
		1745 (132322)	22.72	21.92	20.65	18.86
		1712.5 (131997)	22.75	21.80	20.56	18.57
	12RB-Low (0)	1777.5 (132647)	22.92	22.00	20.98	18.78
		1745 (132322)	22.67	22.01	20.79	18.88
		1712.5 (131997)	22.62	21.74	20.67	18.64
	25RB (0)	1777.5 (132647)	22.79	22.09	20.85	18.84
		1745 (132322)	22.77	21.96	20.85	18.79
		1712.5 (131997)	22.69	21.87	20.62	18.74
10MHz	1RB-High (49)	1775 (132622)	23.77	22.96	21.78	18.84
		1745 (132322)	24.00	23.06	21.96	18.69
		1715 (132022)	23.88	23.09	21.92	18.90
	1RB-Middle (24)	1775 (132622)	23.97	23.09	22.08	18.82
		1745 (132322)	23.88	22.97	21.97	18.76
		1715 (132022)	23.88	23.02	21.80	18.66
	1RB-Low (0)	1775 (132622)	23.87	22.98	21.83	18.74
		1745 (132322)	23.86	22.86	21.75	18.80
		1715 (132022)	23.81	22.93	21.94	18.62
	25RB-High (25)	1775 (132622)	22.76	21.90	20.81	18.73
		1745 (132322)	22.64	21.83	20.62	18.64
		1715 (132022)	22.74	21.88	20.81	18.79
	25RB-Middle (12)	1775 (132622)	22.92	22.10	21.07	18.73
		1745 (132322)	22.80	21.96	20.74	18.84
		1715 (132022)	22.57	21.84	20.59	18.74
	25RB-Low (0)	1775 (132622)	22.93	21.97	20.97	18.85

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		1745 (132322)	22.67	22.02	20.93	18.79
		1715 (132022)	22.54	21.81	20.80	18.71
	50RB (0)	1775 (132622)	22.86	21.95	21.03	18.84
		1745 (132322)	22.87	21.90	20.85	18.74
		1715 (132022)	22.70	21.88	20.80	18.74
15MHz	1RB-High (74)	1772.5 (132597)	23.93	23.03	21.93	18.92
		1745 (132322)	23.96	23.01	22.08	18.74
		1717.5 (132047)	23.86	23.08	21.77	18.88
	1RB-Middle (37)	1772.5 (132597)	23.98	23.13	22.11	18.80
		1745 (132322)	23.78	22.94	22.01	18.65
		1717.5 (132047)	23.81	22.87	21.87	18.70
	1RB-Low (0)	1772.5 (132597)	23.76	22.89	21.71	18.69
		1745 (132322)	23.81	22.85	21.79	18.76
		1717.5 (132047)	23.84	23.02	21.88	18.66
	36RB-High (38)	1772.5 (132597)	22.82	21.87	20.78	18.62
		1745 (132322)	22.65	21.76	20.71	18.68
		1717.5 (132047)	22.75	21.87	20.86	18.75
	36RB-Middle (19)	1772.5 (132597)	22.99	22.03	21.11	18.60
		1745 (132322)	22.75	21.93	20.66	18.75
		1717.5 (132047)	22.69	21.81	20.53	18.66
	36RB-Low (0)	1772.5 (132597)	22.80	21.90	21.06	18.84
		1745 (132322)	22.73	21.86	20.80	18.73
		1717.5 (132047)	22.51	21.75	20.66	18.72
	75RB (0)	1772.5 (132597)	22.86	21.94	20.85	18.93
		1745 (132322)	22.84	22.05	20.81	18.79
		1717.5 (132047)	22.67	21.92	20.81	18.75
20MHz	1RB-High (99)	1770 (132572)	23.86	22.99	21.88	18.83
		1745 (132322)	23.92	23.11	22.04	18.67
		1720 (132072)	23.81	22.99	21.87	18.85
	1RB-Middle (50)	1770 (132572)	23.94	23.04	22.02	18.72
		1745 (132322)	23.82	22.98	21.94	18.69
		1720 (132072)	23.78	22.93	21.86	18.69
	1RB-Low (0)	1770 (132572)	23.83	22.94	21.81	18.76
		1745 (132322)	23.77	22.90	21.74	18.82
		1720 (132072)	23.74	22.92	21.84	18.66
	50RB-High (50)	1770 (132572)	22.77	21.96	20.80	18.66
		1745 (132322)	22.72	21.84	20.64	18.70
		1720 (132072)	22.69	21.82	20.77	18.84
	50RB-Middle (25)	1770 (132572)	22.96	22.06	21.05	18.69
		1745 (132322)	22.73	21.90	20.74	18.85
		1720 (132072)	22.65	21.79	20.61	18.66

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	50RB-Low (0)	1770 (132572)	22.86	22.00	20.96	18.76
		1745 (132322)	22.77	21.95	20.86	18.79
		1720 (132072)	22.61	21.76	20.74	18.66
	100RB (0)	1770 (132572)	22.83	21.99	20.95	18.85
		1745 (132322)	22.78	21.97	20.82	18.81
		1720 (132072)	22.71	21.86	20.72	18.78

LTE Band71(ANT0 DSI 0/1/2/3)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	695.5 (133447)	23.04	22.5	21.4	18.57
		680.5 (133297)	23.09	22.63	21.36	18.22
		665.5 (133147)	23.06	22.31	21.48	18.6
	1RB-Middle (12)	695.5 (133447)	23.07	22.4	21.48	18.35
		680.5 (133297)	23.17	22.55	21.45	18.59
		665.5 (133147)	23.23	22.54	21.45	18.39
	1RB-Low (0)	695.5 (133447)	23.12	22.53	21.5	18.4
		680.5 (133297)	23.12	22.59	21.42	18.42
		665.5 (133147)	23.07	22.58	21.61	18.2
	12RB-High (13)	695.5 (133447)	23.15	22.16	21.13	18.41
		680.5 (133297)	23.06	22.07	21.03	18.54
		665.5 (133147)	23.09	22.12	21.01	18.23
	12RB-Middle (6)	695.5 (133447)	23.08	22.09	21.07	18.53
		680.5 (133297)	23.08	22.1	20.98	18.38
		665.5 (133147)	23.11	22.13	21.03	18.3
	12RB-Low (0)	695.5 (133447)	23.13	22.12	20.99	18.54
		680.5 (133297)	23.06	22.12	20.94	18.28
		665.5 (133147)	23.13	22.06	21.01	18.55
	25RB (0)	695.5 (133447)	22.33	21.35	20.36	18.36
		680.5 (133297)	22.28	21.25	20.26	18.46
		665.5 (133147)	22.33	21.27	20.25	18.42
10MHz	1RB-High (49)	693 (132422)	23.09	22.48	21.47	18.42
		680.5 (133297)	23.1	22.57	21.48	18.22
		668 (133172)	23.13	22.49	21.34	18.25
	1RB-Middle (24)	693 (132422)	23	22.49	21.3	18.55
		680.5 (133297)	23.08	22.53	21.37	18.31
		668 (133172)	23.04	22.49	21.37	18.46
	1RB-Low (0)	693 (132422)	23.16	22.49	21.43	18.26
		680.5 (133297)	23.11	22.49	21.43	18.52
		668 (133172)	23.14	22.63	21.54	18.32
	25RB-High (25)	693 (132422)	22.24	21.22	20.24	18.32

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		680.5 (133297)	22.27	21.24	20.25	18.54
		668 (133172)	22.26	21.23	20.2	18.43
	25RB-Middle (12)	693 (132422)	22.24	21.22	20.19	18.35
		680.5 (133297)	22.25	21.19	20.2	18.37
		668 (133172)	22.29	21.26	20.24	18.53
	25RB-Low (0)	693 (132422)	22.24	21.18	20.18	18.22
		680.5 (133297)	22.23	21.21	20.2	18.36
		668 (133172)	22.26	21.25	20.22	18.48
	50RB (0)	693 (132422)	22.22	21.2	20.16	18.58
		680.5 (133297)	22.22	21.2	20.17	18.37
		668 (133172)	22.2	21.24	20.16	18.33
15MHz	1RB-High (74)	690.5 (133397)	23.05	22.52	21.47	18.24
		680.5 (133297)	23.08	22.62	21.39	18.42
		670.5 (133197)	23.18	22.4	21.4	18.53
	1RB-Middle (37)	690.5 (133397)	23.16	22.54	21.57	18.47
		680.5 (133297)	23.2	22.56	21.54	18.6
		670.5 (133197)	23.23	22.55	21.44	18.25
	1RB-Low (0)	690.5 (133397)	23.22	22.56	21.51	18.52
		680.5 (133297)	23.24	22.5	21.47	18.6
		670.5 (133197)	23.14	22.63	21.48	18.33
	36RB-High (38)	690.5 (133397)	22.29	21.27	20.27	18.56
		680.5 (133297)	22.3	21.32	20.3	18.41
		670.5 (133197)	22.25	21.2	20.27	18.52
	36RB-Middle (19)	690.5 (133397)	22.31	21.35	20.33	18.59
		680.5 (133297)	22.28	21.28	20.31	18.36
		670.5 (133197)	22.26	21.25	20.28	18.21
	36RB-Low (0)	690.5 (133397)	22.35	21.33	20.35	18.56
		680.5 (133297)	22.24	21.23	20.24	18.58
		670.5 (133197)	22.31	21.32	20.36	18.33
	75RB (0)	690.5 (133397)	22.35	21.35	20.34	18.42
		680.5 (133297)	22.3	21.29	20.26	18.25
		670.5 (133197)	22.3	21.3	20.26	18.6
20MHz	1RB-High (99)	688 (133372)	23.18	22.46	21.47	18.5
		683 (133322)	23.14	22.4	21.41	18.19
		673 (133222)	23.1	22.51	21.42	18.47
	1RB-Middle (50)	688 (133372)	23.2	22.56	21.5	18.43
		683 (133322)	23.21	22.55	21.43	18.34
		673 (133222)	23.16	22.41	21.46	18.32
	1RB-Low (0)	688 (133372)	23.29	22.49	21.54	18.58
		683 (133322)	23.19	22.53	21.45	18.47
		673 (133222)	23.23	22.67	21.56	18.33

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	50RB-High (50)	688 (133372)	22.33	21.33	20.34	18.28
		683 (133322)	22.32	21.33	20.31	18.29
		673 (133222)	22.3	21.3	20.28	18.19
	50RB-Middle (25)	688 (133372)	22.38	21.39	20.39	18.21
		683 (133322)	22.34	21.34	20.31	18.19
		673 (133222)	22.3	21.28	20.28	18.26
	50RB-Low (0)	688 (133372)	22.36	21.35	20.36	18.37
		683 (133322)	22.28	21.27	20.24	18.23
		673 (133222)	22.33	21.34	20.28	18.63
	100RB (0)	688 (133372)	22.38	21.36	20.31	18.4
		683 (133322)	22.29	21.27	20.24	18.35
		673 (133222)	22.3	21.29	20.3	18.28

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LTE Carrier Aggregation Conducted Power (Uplink)

ULCA_7C (ANT4 DSI 0/3)

UL LTE CA Class	PCC					SCC				
	PCC Bandwidth	UL channel	DL channel	UL RB	UL RB OFFSET	SCC Bandwidth	DL channel	UL RB	UL RB OFFSET	conducted power（dBm）
CA_7C	20M	21350	3350	1	99	20M	3152	1	0	18.4
CA_7C	20M	21350	3350	1	99	15M	3179	1	0	18.23
CA_7C	20M	21350	3350	1	99	10M	3206	1	0	18.18
CA_7C	20M	20850	2850	1	99	20M	3048	1	0	19.65
CA_7C	20M	20850	2850	1	99	15M	3021	1	0	19.63
CA_7C	20M	20850	2850	1	99	10M	2994	1	0	19.57
CA_7C	15M	21375	3375	1	74	15M	3225	1	0	18.16
CA_7C	15M	20825	2825	1	74	15M	2975	1	0	18.16
CA_7C	15M	20825	2825	1	74	10M	2945	1	0	19.45
CA_7C	20M	21350	3350	1	0	20M	3152	1	99	19.73
CA_7C	20M	21350	3350	1	0	15M	3179	1	74	19.48
CA_7C	20M	21350	3350	1	0	10M	3206	1	49	19.39
CA_7C	20M	20850	2850	1	0	20M	3048	1	99	14.44
CA_7C	20M	20850	2850	1	0	15M	3021	1	74	14.28
CA_7C	20M	20850	2850	1	0	10M	2994	1	49	14.37
CA_7C	15M	21375	3375	1	0	15M	3225	1	74	19.57
CA_7C	15M	20825	2825	1	0	15M	2975	1	74	14.09
CA_7C	15M	20825	2825	1	0	10M	2945	1	49	14.12

ULCA_7C (ANT4 DSI 1/4)

UL LTE CA Class	PCC					SCC				
	PCC Bandwidth	UL channel	DL channel	UL RB	UL RB OFFSET	SCC Bandwidth	DL channel	UL RB	UL RB OFFSET	conducted power（dBm）
CA_7C	20M	21350	3350	1	99	20M	3152	1	0	18.56
CA_7C	20M	21350	3350	1	99	15M	3179	1	0	18.35
CA_7C	20M	21350	3350	1	99	10M	3206	1	0	18.44
CA_7C	20M	20850	2850	1	99	20M	3048	1	0	21.34
CA_7C	20M	20850	2850	1	99	15M	3021	1	0	21.35
CA_7C	20M	20850	2850	1	99	10M	2994	1	0	21.58
CA_7C	15M	21375	3375	1	74	15M	3225	1	0	18.25
CA_7C	15M	20825	2825	1	74	15M	2975	1	0	18.32
CA_7C	15M	20825	2825	1	74	10M	2945	1	0	21
CA_7C	20M	21350	3350	1	0	20M	3152	1	99	21.67
CA_7C	20M	21350	3350	1	0	15M	3179	1	74	21.58
CA_7C	20M	21350	3350	1	0	10M	3206	1	49	21.56
CA_7C	20M	20850	2850	1	0	20M	3048	1	99	14.56
CA_7C	20M	20850	2850	1	0	15M	3021	1	74	14.78
CA_7C	20M	20850	2850	1	0	10M	2994	1	49	14.65
CA_7C	15M	21375	3375	1	0	15M	3225	1	74	21.58
CA_7C	15M	20825	2825	1	0	15M	2975	1	74	14.38
CA_7C	15M	20825	2825	1	0	10M	2945	1	49	14.15

ULCA_7C (ANT4 DSI 2/5)

UL LTE CA Class	PCC					SCC				
	PCC Bandwidth	UL channel	DL channel	UL RB	UL RB OFFSET	SCC Bandwidth	DL channel	UL RB	UL RB OFFSET	conducted power（dBm）
CA_7C	20M	21350	3350	1	99	20M	3152	1	0	18.43
CA_7C	20M	21350	3350	1	99	15M	3179	1	0	18.29
CA_7C	20M	21350	3350	1	99	10M	3206	1	0	18.35
CA_7C	20M	20850	2850	1	99	20M	3048	1	0	20.45
CA_7C	20M	20850	2850	1	99	15M	3021	1	0	20.5
CA_7C	20M	20850	2850	1	99	10M	2994	1	0	20.58
CA_7C	15M	21375	3375	1	74	15M	3225	1	0	18.2
CA_7C	15M	20825	2825	1	74	15M	2975	1	0	18.21
CA_7C	15M	20825	2825	1	74	10M	2945	1	0	20.48
CA_7C	20M	21350	3350	1	0	20M	3152	1	99	20.69
CA_7C	20M	21350	3350	1	0	15M	3179	1	74	20.45
CA_7C	20M	21350	3350	1	0	10M	3206	1	49	20.61
CA_7C	20M	20850	2850	1	0	20M	3048	1	99	14.47
CA_7C	20M	20850	2850	1	0	15M	3021	1	74	14.72
CA_7C	20M	20850	2850	1	0	10M	2994	1	49	14.57
CA_7C	15M	21375	3375	1	0	15M	3225	1	74	20.51
CA_7C	15M	20825	2825	1	0	15M	2975	1	74	14.25
CA_7C	15M	20825	2825	1	0	10M	2945	1	49	14.08

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ULCA_48C (ANT7 DSI 0/3)

UL LTE CA Class	PCC				SCC				
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power (dBm)
CA_48C	20M	55340	1	99	5M	55457	1	0	21.15
CA_48C	20M	55340	1	99	10M	55484	1	0	20.98
CA_48C	20M	55340	1	99	15M	55511	1	0	21.23
CA_48C	20M	55340	1	99	20M	55538	1	0	21.24
CA_48C	20M	55340	1	0	5M	55457	1	24	14.81
CA_48C	20M	55340	1	0	10M	55484	1	49	14.88
CA_48C	20M	55340	1	0	15M	55511	1	74	14.75
CA_48C	20M	55340	1	0	20M	55538	1	99	14.58

ULCA_48C (ANT7 DSI 1/2/3/4)

UL LTE CA Class	PCC				SCC				
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power (dBm)
CA_48C	20M	55340	1	99	5M	55457	1	0	23.17
CA_48C	20M	55340	1	99	10M	55484	1	0	22.95
CA_48C	20M	55340	1	99	15M	55511	1	0	23.16
CA_48C	20M	55340	1	99	20M	55538	1	0	23.21
CA_48C	20M	55340	1	0	5M	55457	1	24	14.78
CA_48C	20M	55340	1	0	10M	55484	1	49	14.74
CA_48C	20M	55340	1	0	15M	55511	1	74	14.72
CA_48C	20M	55340	1	0	20M	55538	1	99	14.68

ULCA_66C (ANT2 DSI 0/3)

UL LTE CA Class	PCC					SCC				
	PCC Bandwidth	UL channel	DL channel	UL RB	UL RB OFFSET	SCC Bandwidth	DL channel	UL RB	UL RB OFFSET	conducted power (dBm)
CA_66C	15M	132047	66511	1	74	10M	66631	1	0	19.07
CA_66C	20M	132072	66536	1	99	10M	66680	1	0	18.93
CA_66C	15M	132072	66511	1	74	15M	66661	1	0	18.97
CA_66C	20M	132072	66536	1	99	5M	66653	1	0	18.9
CA_66C	20M	132072	66536	1	99	20M	66734	1	0	19.11
CA_66C	15M	132047	66511	1	0	10M	66631	1	49	14.53
CA_66C	20M	132072	66536	1	0	10M	66680	1	49	14.43
CA_66C	15M	132072	66511	1	0	15M	66661	1	74	14.4
CA_66C	20M	132072	66536	1	0	5M	66653	1	24	14.41
CA_66C	20M	132072	66536	1	0	20M	66734	1	99	14.53

ULCA_66C (ANT2 DSI 1/2/4/5)

UL LTE CA Class	PCC					SCC				
	PCC Bandwidth	UL channel	DL channel	UL RB	UL RB OFFSET	SCC Bandwidth	DL channel	UL RB	UL RB OFFSET	conducted power (dBm)
CA_66C	15M	132047	66511	1	74	10M	66631	1	0	19.92
CA_66C	20M	132072	66536	1	99	10M	66680	1	0	19.96
CA_66C	15M	132072	66511	1	74	15M	66661	1	0	20.05
CA_66C	20M	132072	66536	1	99	5M	66653	1	0	20.01
CA_66C	20M	132072	66536	1	99	20M	66734	1	0	20.12
CA_66C	15M	132047	66511	1	0	10M	66631	1	49	14.49
CA_66C	20M	132072	66536	1	0	10M	66680	1	49	14.38
CA_66C	15M	132072	66511	1	0	15M	66661	1	74	14.51
CA_66C	20M	132072	66536	1	0	5M	66653	1	24	14.43
CA_66C	20M	132072	66536	1	0	20M	66734	1	99	14.54

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10.4 NR 5G Measurement result

Table 10.3: The maximum output power(Tune-up Limit)

G-sensor detects mobile as moving state							
Band	ANT	NR transmit standalone			ENDC		
		Hotspot off/on +Receiver on	Hotspot off +Receiver off	Hotspot on +Receiver off	Hotspot off/on +Receiver on	Hotspot off +Receiver off	Hotspot on +Receiver off
		DSI 0	DSI 1	DSI 2	DSI 3	DSI 4	DSI 5
n2	2	20	24	24	20	24	24
n2	3	\	\	\	24	24	24
n5	1	24	24	24	24	24	24
n7	4	21	23	22	21	23	22
n7	3	\	\	\	24	23	22
n12	1	24.5	24.5	24.5	24.5	24.5	24.5
n41	4	22	23	23	22	23	23
n48	7	22	24	24	20	24	24
n66	2	20.5	22	22	20.5	22	22
n71	0	24	24	24	24	24	24
n78	7	21	21	21	21	21	21
n78	2	\	\	\	21	21	21

Table 10.4: Maximum Power Reduction (MPR) for NR (power class 3)

Modulation		MPR(db)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-DFDM	Pi/2 BPSK	≤3.5	≤1.2	≤0.2
		≤0.5		0
	QPSK	≤1		0
	16 QAM	≤2		≤1
	64QAM	≤2.5		
	256QAM	≤4.5		
CP-OFDM	QPSK	≤3		≤1.5
	16 QAM	≤3		≤2
	64QAM	≤3.5		
	256QAM	≤6.5		

Table 10.5: Maximum Power Reduction (MPR) for NR (power class 2)

Modulation		MPR(db)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-DFDM	Pi/2 BPSK	≤3.5	≤0.5	0
	QPSK	≤3.5	≤1	0
	16 QAM	≤3.5	≤2	≤1
	64QAM	≤3.5	≤2.5	
	256QAM	≤4.5		
CP-OFDM	QPSK	≤3.5	≤3	≤1.5
	16 QAM	≤3.5	≤3	≤2
	64QAM	≤3.5		
	256QAM	≤6.5		

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n2(ANT2 DSI 0/3)

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	19.04
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	19.10
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	18.89
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	18.96
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	19.01
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	18.96

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

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	18.86
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	18.76
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	18.81
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	18.54
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	18.8
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	18.74
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	18.82
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	16.52
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	18.72
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	18.8
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	18.82
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	18.73
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	18.85
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	18.72
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	18.77
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	18.81
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	18.71

n2(ANT2 DSI 1/2/4/5)

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	23.06
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	23.08
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	22.87
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	22.97
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	22.97
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	22.91

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

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	23.01
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	21.98
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	20.45
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	18.5
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	21.47
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	21.05
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.48
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	16.54
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	21.98
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	21.95
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	21.87
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	21.87
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	22.9
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	22.9
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	22.03
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	22.96
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	22.97

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n2(ANT3 DSI 3/4/5)

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	22.51
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	22.65
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	22.61
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	22.52
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	22.55
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	22.63

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

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	22.58
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	21.55
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	20.04
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	18.07
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	21.05
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	20.61
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.08
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	15.97
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	21.54
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	21.52
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	21.43
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	21.41
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	22.44
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	22.45
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	22.42
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	22.53
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	22.55

n5(ANT1 DSI 0/1/2/3/4/5)

No.	Test Freq Description	5G-n5							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n5
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	846.5	169300	23.40
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	836.5	167300	23.44
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	826.5	165300	23.42
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	839	167800	23.33
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	836.5	167300	23.35
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	834	166800	23.39

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

No.	Test Freq Description	5G-n5							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n5
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	836.5	167300	23.40
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	836.5	167300	22.39
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	836.5	167300	20.88
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	836.5	167300	18.92
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	836.5	167300	21.88
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	836.5	167300	21.47
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	836.5	167300	19.91
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	836.5	167300	16.83
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	836.5	167300	22.42
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	836.5	167300	22.43
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	836.5	167300	22.33
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	836.5	167300	22.38
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	836.5	167300	23.28
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	836.5	167300	23.35
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	836.5	167300	22.44
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	836.5	167300	23.33
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	836.5	167300	23.41

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n7(ANT4 DSI 0/3)

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	19.53
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	20.05
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	19.95
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560	512000	19.43
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535	507000	19.99
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510	502000	19.89

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

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	2535	507000	19.56
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2535	507000	20.01
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2535	507000	20.03
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2535	507000	18.49
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12@6	2535	507000	19.69
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12@6	2535	507000	19.73
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12@6	2535	507000	19.16
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12@6	2535	507000	16.54
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	19.75
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	19.86
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	19.64
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	19.79
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	19.60
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	19.71
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	19.80
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	19.65
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	19.98

n7(ANT4 DSI 1/4)

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	21.48
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	22.06
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	21.85
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560	512000	21.55
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535	507000	21.98
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510	502000	21.88

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

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	2535	507000	22.02
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2535	507000	21.95
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2535	507000	21.49
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2535	507000	18.6
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12@6	2535	507000	22.02
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12@6	2535	507000	21.90
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12@6	2535	507000	20.24
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12@6	2535	507000	16.67
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	22.02
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	22.03
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	21.90
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	22.01
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	22.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	22.04
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	21.32
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	21.89
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	21.92

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n7(ANT4 DSI 2/5)

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	20.99
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	21.10
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	21.09
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560	512000	20.57
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535	507000	20.82
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510	502000	21.07

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

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	2535	507000	20.6
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2535	507000	21.04
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2535	507000	20.65
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2535	507000	18.45
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12@6	2535	507000	20.73
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12@6	2535	507000	20.79
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12@6	2535	507000	20.13
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12@6	2535	507000	16.49
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	20.74
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	20.93
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	20.70
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	20.85
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	20.71
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	20.83
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	20.87
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	20.8
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	20.83

n7(ANT3 DSI 3)

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	22.63
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	22.71
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	22.21
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560	512000	22.58
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535	507000	22.55
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510	502000	22.34

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

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	2535	507000	22.66
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2535	507000	21.56
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2535	507000	20.07
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2535	507000	18.05
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12@6	2535	507000	21.05
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12@6	2535	507000	20.66
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12@6	2535	507000	19.06
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12@6	2535	507000	16.07
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	21.69
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	21.67
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	21.58
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	21.56
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	22.60
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	22.61
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	22.58
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2565	513000	22.69
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	22.66
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2505	501000	22.61
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2562.5	512500	22.64
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	22.63
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2507.5	501500	22.61

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n7(ANT3 DSI 4)

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	21.64
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	21.69
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	21.24
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560	512000	21.49
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535	507000	21.47
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510	502000	21.28

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

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	2535	507000	21.63
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2535	507000	21.58
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2535	507000	20.08
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2535	507000	18.08
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12@6	2535	507000	21.08
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12@6	2535	507000	20.66
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12@6	2535	507000	19.06
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12@6	2535	507000	16.07
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	21.66
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	21.64
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	21.55
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	21.53
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	21.52
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	21.53
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	21.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2565	513000	21.61
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	21.63
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2505	501000	21.62
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2562.5	512500	21.64
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	21.66
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2507.5	501500	21.58

n7(ANT3 DSI 5)

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	20.66
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535	507000	20.69
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	20.21
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560	512000	20.51
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535	507000	20.49
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510	502000	20.27

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

No.	Test Freq Description	5G-n7							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	2535	507000	20.66
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	2535	507000	20.61
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	2535	507000	20.08
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	2535	507000	18.09
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12@6	2535	507000	20.59
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12@6	2535	507000	20.63
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12@6	2535	507000	19.09
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12@6	2535	507000	16.11
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	20.58
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	20.56
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	20.48
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	20.46
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	20.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	20.51
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	20.48
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2565	513000	20.58
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	20.6
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2505	501000	20.55
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2562.5	512500	20.53
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	20.51
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2507.5	501500	20.57

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n12(ANT1 DSI 0/1/2/3/4/5)

No.	Test Freq Description	5G-n12							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n12
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	713.5	142700	22.99
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	707.5	141500	23.06
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	701.5	140300	22.94
4	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	708.5	141700	22.77
5	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	707.5	141500	22.83
6	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	706.5	141300	22.82

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

No.	Test Freq Description	5G-n12							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n12
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	707.5	141500	22.93
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	707.5	141500	21.89
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	707.5	141500	20.38
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	707.5	141500	18.39
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	707.5	141500	21.51
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	707.5	141500	21.02
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	707.5	141500	19.42
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	707.5	141500	16.33
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	707.5	141500	21.93
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	707.5	141500	21.88
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	707.5	141500	21.81
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	707.5	141500	21.79
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	707.5	141500	22.86
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	707.5	141500	22.84
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	707.5	141500	21.95
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	707.5	141500	22.86

n41(ANT4 DSI 0/3)

No.	Test Freq Description	5G-n41							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	21.51
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2639	527799	21.34
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2592.99	518598	21.75
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2547.03	509406	21.55
5	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2501.01	500205	21.42
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	21.34
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2616.495	523299	21.24
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	21.24
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2569.5	513900	21.57
10	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	21.52

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.	n41
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2592.99	518598	20.93
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	21.36
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	20.82
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	18.67
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	2592.99	518598	21.68
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	21.70
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	20.07
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	16.60
9	Middle2	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	2592.99	518598	20.90
10	Middle2	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	21.07
11	Middle2	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	2592.99	518598	21.03
12	Middle2	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	21.11
13	Middle2	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	2592.99	518598	21.04
14	Middle2	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	21.08
15	Middle2	30	10	DFT-s-OFDM QPSK	Outer_Full	24_0	2592.99	518598	21.04
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	2592.99	518598	21.01
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	20.90
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	21.04
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2592.99	518598	20.94
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	21.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	20.99
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2592.99	518598	21.01
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2592.99	518598	21.05
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2592.99	518598	21.01

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n41(ANT4 DSI 1/2/4/5)

No.	Test Freq Description	5G-n41							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	22.58
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2639	527799	22.44
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2592.99	518598	22.62
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2547.03	509406	22.26
5	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	2501.01	500205	22.37
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	22.46
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2616.495	523299	22.38
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	22.38
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2569.5	513900	22.34
10	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	22.35
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.	n41
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2592.99	518598	22.10
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	22.49
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	20.90
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	18.72
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	2592.99	518598	22.21
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	2592.99	518598	21.88
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	2592.99	518598	20.22
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	2592.99	518598	16.69
9	Middle2	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	2592.99	518598	22.09
10	Middle2	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	22.17
11	Middle2	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	2592.99	518598	22.16
12	Middle2	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	22.21
13	Middle2	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	2592.99	518598	22.17
14	Middle2	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	22.21
15	Middle2	30	10	DFT-s-OFDM QPSK	Outer_Full	25_0	2592.99	518598	22.20
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	2592.99	518598	22.17
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	22.15
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	22.14
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2592.99	518598	22.14
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	22.14
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	22.11
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	2592.99	518598	22.13
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2592.99	518598	22.16
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2592.99	518598	22.10

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n48(ANT7 DSI 0)

No.	Test Freq Description	5G-n48							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n48
1	High	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3694.98	646332	21.53
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3624.99	641666	21.89
5	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3555	637000	20.65
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3649.98	643332	21.78
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3624.99	641666	21.84
10	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3600	640000	21.61

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

No.	Test Freq Description	5G-n48							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n48
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	3624.99	641666	21.81
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	3624.99	641666	21.78
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	3624.99	641666	21.24
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	3624.99	641666	19.39
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	3624.99	641666	21.74
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	3624.99	641666	21.77
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	3624.99	641666	20.29
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	3624.99	641666	17.24
9	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	3624.99	641666	21.72
10	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3624.99	641666	21.80
11	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	3624.99	641666	21.83
12	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3624.99	641666	21.69
13	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	3624.99	641666	21.78
14	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3624.99	641666	21.81
15	Middle	30	10	DFT-s-OFDM QPSK	Outer_Full	24_0	3624.99	641666	21.75
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	3624.99	641666	21.75
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3624.99	641666	21.69
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3624.99	641666	21.76
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3624.99	641666	21.74
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	3624.99	641666	21.77
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3624.99	641666	21.67
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	3624.99	641666	21.79
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3624.99	641666	21.76
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	3624.99	641666	21.81

n48(ANT7 DSI 1/2/4/5)

No.	Test Freq Description	5G-n48							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n48
1	High	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3694.98	646332	23.75
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3624.99	641666	23.89
5	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3555	637000	23.15
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3649.98	643332	23.79
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3624.99	641666	23.86
10	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3600	640000	23.63

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

No.	Test Freq Description	5G-n48							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n48
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	3624.99	641666	23.85
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	3624.99	641666	22.86
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	3624.99	641666	21.34
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	3624.99	641666	19.37
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	3624.99	641666	22.26
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	3624.99	641666	21.85
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	3624.99	641666	20.31
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	3624.99	641666	17.21
9	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	3624.99	641666	22.82
10	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3624.99	641666	22.79
11	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	3624.99	641666	22.80
12	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3624.99	641666	22.77
13	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	3624.99	641666	23.85
14	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3624.99	641666	23.77
15	Middle	30	10	DFT-s-OFDM QPSK	Outer_Full	25_0	3624.99	641666	22.80
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	3624.99	641666	23.82
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3624.99	641666	23.84
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3624.99	641666	23.79
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3624.99	641666	23.74
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	3624.99	641666	23.75
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3624.99	641666	23.66
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	3624.99	641666	23.80
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3624.99	641666	23.74
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	3624.99	641666	23.78

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No.	Test Freq Description	5G-n48							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n48
1	High	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3694.98	646332	19.56
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3624.99	641666	19.85
3	Low	30	10	DFT-s-OFDM QPSK	Inner_Full	12_6	3555	637000	18.68
4	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3649.98	643332	19.79
5	Middle1	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3624.99	641666	19.82
6	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3600	640000	19.62

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

No.	Test Freq Description	5G-n48							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n48
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	3624.99	641666	19.79
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner_Full	12_6	3624.99	641666	19.79
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner_Full	12_6	3624.99	641666	19.81
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner_Full	12_6	3624.99	641666	19.32
5	Middle2	30	10	CP-OFDM QPSK	Inner_Full	12_6	3624.99	641666	19.76
6	Middle2	30	10	CP-OFDM 16QAM	Inner_Full	12_6	3624.99	641666	19.60
7	Middle2	30	10	CP-OFDM 64QAM	Inner_Full	12_6	3624.99	641666	19.81
8	Middle2	30	10	CP-OFDM 256QAM	Inner_Full	12_6	3624.99	641666	17.11
9	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Right	2_22	3624.99	641666	19.79
10	Middle	30	10	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3624.99	641666	19.60
11	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Right	1_23	3624.99	641666	19.67
12	Middle	30	10	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3624.99	641666	19.60
13	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1_22	3624.99	641666	19.66
14	Middle	30	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3624.99	641666	19.70
15	Middle	30	10	DFT-s-OFDM QPSK	Outer_Full	24_0	3624.99	641666	19.74
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner_Full	18_9	3624.99	641666	19.76
17	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3624.99	641666	19.76
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3624.99	641666	19.63
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3624.99	641666	19.75
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	3624.99	641666	19.67
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3624.99	641666	19.77
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner_Full	90_45	3624.99	641666	19.67
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3624.99	641666	19.82
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	3624.99	641666	19.74

n66(ANT2 DSI 0/3)

No.	Test Freq Description	5G-n66							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	19.18
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	19.61
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	19.55
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	19.46
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	19.56
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	19.51

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.	n66
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	19.54
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	19.58
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	19.44
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.42
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	19.49
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	19.49
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	19.41
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	16.43
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	19.45
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	19.55
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	19.49
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	19.51
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	19.53
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	19.41
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	19.54
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	19.41
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	19.42
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	19.49
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	19.51
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	19.50

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n66(ANT2 DSI 1/2/4/5)

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	20.69
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	21.09
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	21.07
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	21.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	21.05
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	21.01
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.	n66
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	21.05
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	20.95
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	20.43
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.48
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	20.94
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	21.03
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	19.43
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	16.53
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	20.99
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	20.82
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	20.85
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	20.87
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	20.81
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	20.86
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	20.83
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	20.86
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	20.81
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	20.9
19	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	20.99
20	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	20.81

n71(ANT0 DSI 0/1/2/3/4/5)

No.	Test Freq Description	5G-n71							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n28
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	695.5	139100	23.06
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	680.5	136100	23.10
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	665.5	133100	23.04
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	688	137600	22.98
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	680.5	136100	23.06
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	673	134600	23.07
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.	n28
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	680.5	136100	23.11
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	680.5	136100	22.05
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	680.5	136100	20.53
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	680.5	136100	18.63
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	680.5	136100	21.59
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	680.5	136100	21.15
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	680.5	136100	19.61
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	680.5	136100	16.53
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	680.5	136100	22.07
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	680.5	136100	22.04
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	680.5	136100	21.96
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	680.5	136100	21.97
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	680.5	136100	22.92
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	680.5	136100	22.98
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	680.5	136100	22.11
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	680.5	136100	22.99
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	680.5	136100	22.92

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n78(ANT7 DSI 0/1/2/3/4/5)

No.	Test Freq Description	5G-n78L							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	20.54
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.68
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	20.57
4	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	20.52
5	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	20.51
According to the table above, the maximum power configuration is selected as the default test configuration									

No.	Test Freq Description	5G-n78L							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	20.28
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.52
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	20.51
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	19.13
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.51
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.53
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	20.51
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	17.22
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	2@49	3500.01	633334	20.56
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	2@0	3500.01	633334	20.53
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	1@50	3500.01	633334	20.51
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	1@0	3500.01	633334	20.54
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	20.51
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	20.53
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	20.51
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3500.01	633334	20.52
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3500.01	633334	20.54
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	20.52
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	20.51
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	20.48
21	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	20.43
22	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	20.44

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n78(ANT2 DSI 3/4/5)

No.	Test Freq Description	5G-n78L							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	20.42
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.46
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	20.40
4	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	20.30
5	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	20.32
According to the table above, the maximum power configuration is selected as the default test configuration									

No.	Test Freq Description	5G-n78L							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	20.33
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.36
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	20.31
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	18.90
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.30
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.25
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	19.65
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	16.68
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	2@49	3500.01	633334	20.21
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	2@0	3500.01	633334	20.22
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	1@50	3500.01	633334	20.18
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	1@0	3500.01	633334	20.16
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	20.17
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	20.14
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	20.19
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3500.01	633334	20.24
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3500.01	633334	20.20
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	20.16
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	20.17
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	20.11
21	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	20.21
22	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	20.19

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10.5 Wi-Fi and BT Measurement result

The maximum output power for BT

GFSK			Tune up	EDR2M-4_DQPSK			Tune up	EDR3M-8DPSK			Tune up
Channel 0	Channel 39	Channel 78		Channel 0	Channel 39	Channel 78		Channel 0	Channel 39	Channel 78	
8.81	8.25	8.96	10	5.90	5.50	5.98	7	5.89	5.47	5.94	7

Antenna	SET_0	SET_1	SET_2	SET_3	SET_4
WiFi antenna	receiver on, cellular TX off	receiver off, cellular TX off	receiver on, cellular TX on	receiver off, cellular TX on, hotspot on	receiver off, cellular TX on, hotspot off

WIFI2.4G Tune up

ANT8 SISO

SET_0/1

802.11b 20MHZ

Channel\ rate	1Mbps	2Mbps	5.5Mbps	11Mbps
	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1
CLPC	20	20	19	19

802.11g 20MHZ

Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
CLPC	19	19	18	18	17	17	16	16

802.11n-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
CLPC	19	19	18	18	17	17	17	17

802.11n-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1
6	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1
9	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1
CLPC	17	17	16	16	16	16	15	15

802.11ax-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
6	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
9	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
CLPC	17	17	16	16	16	16	15	15	14	14	13	13

802.11ax-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
6	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
9	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
CLPC	16	16	15	15	15	15	14	14	13	13	12	12

802.11ax-TB

Channel\ rate	26RU	52RU	106RU	242RU	484RU
	dBm	dBm	dBm	dBm	dBm
3	14+/-1	15+/-1	16+/-1	17+/-1	16+/-1
6	14+/-1	15+/-1	16+/-1	17+/-1	16+/-1
9	14+/-1	15+/-1	16+/-1	17+/-1	16+/-1
CLPC	12.5	14.5	14.5	17	16

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ANT9 SISO

SET_0/1

802.11b 20MHZ

Channel\ rate	1Mbps	2Mbps	5.5Mbps	11Mbps
	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1
CLPC	20	20	19	19

802.11g 20MHZ

Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
CLPC	19	19	18	18	17	17	16	16

802.11n-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
CLPC	19	19	18	18	17	17	17	17

802.11n-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1
6	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1
9	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1
CLPC	17	17	16	16	16	16	15	15

802.11ax-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
6	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
9	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
CLPC	17	17	16	16	16	16	15	15	14	14	13	13

802.11ax-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
6	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
9	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
CLPC	16	16	15	15	15	15	14	14	13	13	12	12

802.11ax-TB

Channel\ rate	26RU	52RU	106RU	242RU	484RU
	dBm	dBm	dBm	dBm	dBm
3	14+/-1	15+/-1	16+/-1	17+/-1	16+/-1
6	14+/-1	15+/-1	16+/-1	17+/-1	16+/-1
9	14+/-1	15+/-1	16+/-1	17+/-1	16+/-1
CLPC	12.5	14.5	14.5	17	16

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ANT8+ANT9MIMO

SET_0/1

802.11b 20MHZ

Channel\ rate	1Mbps	2Mbps	5.5Mbps	11Mbps
	dBm	dBm	dBm	dBm
1	22.5+/-1	22.5+/-1	21.5+/-1	21.5+/-1
6	22.5+/-1	22.5+/-1	21.5+/-1	21.5+/-1
11	22.5+/-1	22.5+/-1	21.5+/-1	21.5+/-1
CLPC	20	20	19	19

802.11g 20MHZ

Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	22+/-1	22+/-1	21+/-1	21+/-1	20+/-1	20+/-1	19+/-1	19+/-1
6	22+/-1	22+/-1	21+/-1	21+/-1	20+/-1	20+/-1	19+/-1	19+/-1
11	22+/-1	22+/-1	21+/-1	21+/-1	20+/-1	20+/-1	19+/-1	19+/-1
CLPC	19	19	18	18	17	17	16	16

802.11n-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	22+/-1	22+/-1	21+/-1	21+/-1	20+/-1	20+/-1	20+/-1	20+/-1
6	22+/-1	22+/-1	21+/-1	21+/-1	20+/-1	20+/-1	20+/-1	20+/-1
11	22+/-1	22+/-1	21+/-1	21+/-1	20+/-1	20+/-1	20+/-1	20+/-1
CLPC	19	19	18	18	17	17	17	17

802.11n-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	20+/-1	20+/-1	19+/-1	19+/-1	19+/-1	19+/-1	18+/-1	18+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	19+/-1	19+/-1	18+/-1	18+/-1
9	20+/-1	20+/-1	19+/-1	19+/-1	19+/-1	19+/-1	18+/-1	18+/-1
CLPC	17	17	16	16	16	16	15	15

802.11ax-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	20+/-1	20+/-1	19+/-1	19+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
9	20+/-1	20+/-1	19+/-1	19+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	17	17	16	16	16	16	15	15	14	14	13	13

802.11ax-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1
6	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1
9	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1
CLPC	16	16	15	15	15	15	14	14	13	13	12	12

802.11ax-TB

Channel\ rate	26RU	52RU	106RU	242RU	484RU
	dBm	dBm	dBm	dBm	dBm
3	16.6+/-1	18.6+/-1	18.5+/-1	20+/-1	19+/-1
6	16.6+/-1	18.6+/-1	18.5+/-1	20+/-1	19+/-1
9	16.6+/-1	18.6+/-1	18.5+/-1	20+/-1	19+/-1
CLPC	12.5	14.5	14.5	17	16

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ANT8 SISO

SET_2/3/4

802.11b 20MHZ

Channel\ rate	1Mbps	2Mbps	5.5Mbps	11Mbps
	dBm	dBm	dBm	dBm
1	17+/-1	17+/-1	16+/-1	16+/-1
6	17+/-1	17+/-1	16+/-1	16+/-1
11	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	17	17	16	16

802.11g 20MHZ

Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
6	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
11	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
CLPC	16	16	15	15	14	14	13	13

802.11n-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1
6	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1
11	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1
CLPC	16	16	15	15	14	14	14	14

802.11n-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
6	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
9	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
CLPC	14	14	13	13	13	13	12	12

802.11ax-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
6	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
9	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
CLPC	14	14	13	13	13	13	12	12	11	11	10	10

802.11ax-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
6	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
9	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
CLPC	13	13	12	12	12	12	11	11	10	10	9	9

802.11ax-TB

Channel\ rate	26RU	52RU	106RU	242RU	484RU
	dBm	dBm	dBm	dBm	dBm
3	11+/-1	12+/-1	13+/-1	14+/-1	13+/-1
6	11+/-1	12+/-1	13+/-1	14+/-1	13+/-1
9	11+/-1	12+/-1	13+/-1	14+/-1	13+/-1
CLPC	9.5	11.5	11.5	14	13

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ANT9 SISO

SET_2/3/4

802.11b 20MHZ

Channel\ rate	1Mbps	2Mbps	5.5Mbps	11Mbps
	dBm	dBm	dBm	dBm
1	17+/-1	17+/-1	16+/-1	16+/-1
6	17+/-1	17+/-1	16+/-1	16+/-1
11	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	17	17	16	16

802.11g 20MHZ

Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
6	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
11	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
CLPC	16	16	15	15	14	14	13	13

802.11n-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1
6	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1
11	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1
CLPC	16	16	15	15	14	14	14	14

802.11n-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
6	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
9	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
CLPC	14	14	13	13	13	13	12	12

802.11ax-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
6	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
9	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
CLPC	14	14	13	13	13	13	12	12	11	11	10	10

802.11ax-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
6	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
9	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
CLPC	13	13	12	12	12	12	11	11	10	10	9	9

802.11ax-TB

Channel\ rate	26RU	52RU	106RU	242RU	484RU
	dBm	dBm	dBm	dBm	dBm
3	11+/-1	12+/-1	13+/-1	14+/-1	13+/-1
6	11+/-1	12+/-1	13+/-1	14+/-1	13+/-1
9	11+/-1	12+/-1	13+/-1	14+/-1	13+/-1
CLPC	9.5	11.5	11.5	14	13

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ANT8+ANT9MIMO

SET_2/3/4

802.11b 20MHZ

Channel\ rate	1Mbps	2Mbps	5.5Mbps	11Mbps
	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1
CLPC	17	17	16	16

802.11g 20MHZ

Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
CLPC	16	16	15	15	14	14	13	13

802.11n-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
1	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
6	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
11	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1
CLPC	16	16	15	15	14	14	14	14

802.11n-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1
6	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1
9	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	14	14	13	13	13	13	12	12

802.11ax-20M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
6	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
9	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
CLPC	14	14	13	13	13	13	12	12	11	11	10	10

802.11ax-40M

Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
3	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
6	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
9	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
CLPC	13	13	12	12	12	12	11	11	10	10	9	9

802.11ax-TB

Channel\ rate	26RU	52RU	106RU	242RU	484RU
	dBm	dBm	dBm	dBm	dBm
3	13.6+/-1	15.6+/-1	15.5+/-1	17+/-1	16+/-1
6	13.6+/-1	15.6+/-1	15.5+/-1	17+/-1	16+/-1
9	13.6+/-1	15.6+/-1	15.5+/-1	17+/-1	16+/-1
CLPC	9.5	11.5	11.5	14	13

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WIFI5G Tune up

		ANT6 SISO											
SET_0/1/2/3/4	**5G-802.11a 20MHZ**												
	Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps				
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm				
	36-64	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1				
	100-165	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1				
	CLPC	19	19	18	18	17	17	16	16				
	5G-802.11n 20MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7				
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm				
	36-64	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1				
	100-165	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1				
	CLPC	19	19	18	18	17	17	16	16				
	5G-802.11n 40MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7				
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm				
	38-62	16.6+/-1	16.6+/-1	15.6+/-1	15.6+/-1	14.6+/-1	14.6+/-1	13.6+/-1	13.6+/-1				
	102-159	16.6+/-1	16.6+/-1	15.6+/-1	15.6+/-1	14.6+/-1	14.6+/-1	13.6+/-1	13.6+/-1				
	CLPC	17	17	16	16	15	15	14	14				
	5G-802.11ac 20MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7				
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm				
	36-64	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1				
	100-165	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1				
	CLPC	19	19	18	18	17	17	16	16				
	5G-802.11ac 40MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9		
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm		
	38-62	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1		
	102-159	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1		
	CLPC	17	17	16	16	15	15	14	14	13	13		
	5G-802.11ac 80MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9		
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm		
	42-58	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1	10.5+/-1	10.5+/-1		
	106-155	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1	10.5+/-1	10.5+/-1		
	CLPC	15	15	14	14	13	13	12	12	11	11		
	5G-802.11ax 20MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	36-64	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1
	100-165	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1
	CLPC	17	17	16	16	16	16	15	15	14	14	13	13
	5G-802.11ax 40MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	38-62	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1
	102-159	16+/-1	16+/-1	15+/-1	15+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1
	CLPC	16	16	15	15	15	15	14	14	13	13	12	12
	5G-802.11ax 80MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	42-58	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
	106-155	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
	CLPC	15	15	14	14	14	14	13	13	12	12	11	11
	5G-802.11ax TB												
	Channel\ rate	26RU	52RU	106RU	242RU	484RU	996RU						
		dBm	dBm	dBm	dBm	dBm	dBm						
	42-58	9+/-1	12+/-1	14+/-1	16.5+/-1	16+/-1	15+/-1						
	106-155	9+/-1	12+/-1	14+/-1	16.5+/-1	16+/-1	15+/-1						
	CLPC	8	11	13	17	16	15						

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ANT9 SISO

SET_0/1/2/3/4

5G-802.11a 20MHZ

Channel\\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
100-165	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	19	19	18	18	17	17	16	16

5G-802.11n 20MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
100-165	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	19	19	18	18	17	17	16	16

5G-802.11n 40MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
38-62	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
102-159	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1
CLPC	17	17	16	16	15	15	14	14

5G-802.11ac 20MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
100-165	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	19	19	18	18	17	17	16	16

5G-802.11ac 40MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
38-62	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1
102-159	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1
CLPC	17	17	16	16	15	15	14	14	13	13

5G-802.11ac 80MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
42-58	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
106-155	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1	11.5+/-1	11.5+/-1
CLPC	15	15	14	14	13	13	12	12	11	11

5G-802.11ax 20MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
100-165	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1
CLPC	17	17	16	16	16	16	15	15	14	14	13	13

5G-802.11ax 40MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
38-62	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1
100-165	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	15.5+/-1	14.5+/-1	14.5+/-1	13.5+/-1	13.5+/-1	12.5+/-1	12.5+/-1
CLPC	16	16	15	15	15	15	14	14	13	13	12	12

5G-802.11ax 80MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
42-58	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
106-155	15+/-1	15+/-1	14+/-1	14+/-1	14+/-1	14+/-1	13+/-1	13+/-1	12+/-1	12+/-1	11+/-1	11+/-1
CLPC	15	15	14	14	14	14	13	13	12	12	11	11

5G-802.11ax TB

Channel\\ rate	26RU	52RU	106RU	242RU	484RU	996RU
	dBm	dBm	dBm	dBm	dBm	dBm
42-58	9+/-1	12+/-1	14+/-1	17.5+/-1	16.5+/-1	15+/-1
106-155	9+/-1	12+/-1	14+/-1	17.5+/-1	16.5+/-1	15+/-1
CLPC	8	11	13	17	16	15

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ANT6+ANT9MIMO

SET_0/1/2/3/4

5G-802.11a 20MHZ

Channel\\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	21.5+/-1	21.5+/-1	20.5+/-1	20.5+/-1	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1
100-165	21.5+/-1	21.5+/-1	20.5+/-1	20.5+/-1	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1
CLPC	19	19	18	18	17	17	16	16

5G-802.11n 20MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	21.5+/-1	21.5+/-1	20.5+/-1	20.5+/-1	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1
100-165	21.5+/-1	21.5+/-1	20.5+/-1	20.5+/-1	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1
CLPC	19	19	18	18	17	17	16	16

5G-802.11n 40MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
38-62	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
102-159	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1
CLPC	17	17	16	16	15	15	14	14

5G-802.11ac 20MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	21.5+/-1	21.5+/-1	20.5+/-1	20.5+/-1	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1
100-165	21.5+/-1	21.5+/-1	20.5+/-1	20.5+/-1	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1
CLPC	19	19	18	18	17	17	16	16

5G-802.11ac 40MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
38-62	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
102-159	20+/-1	20+/-1	19+/-1	19+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1
CLPC	17	17	16	16	15	15	14	14	13	13

5G-802.11ac 80MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
42-58	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1
106-155	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1	13+/-1	13+/-1
CLPC	15	15	14	14	13	13	12	12	11	11

5G-802.11ax 20MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
36-64	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1
100-165	19.5+/-1	19.5+/-1	18.5+/-1	18.5+/-1	18.5+/-1	18.5+/-1	17.5+/-1	17.5+/-1	16.5+/-1	16.5+/-1	15.5+/-1	15.5+/-1
CLPC	17	17	16	16	16	16	15	15	14	14	13	13

5G-802.11ax 40MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
38-62	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1
100-165	19+/-1	19+/-1	18+/-1	18+/-1	18+/-1	18+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1
CLPC	16	16	15	15	15	15	14	14	13	13	12	12

5G-802.11ax 80MHZ

Channel\\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
42-58	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
106-155	18+/-1	18+/-1	17+/-1	17+/-1	17+/-1	17+/-1	16+/-1	16+/-1	15+/-1	15+/-1	14+/-1	14+/-1
CLPC	15	15	14	14	14	14	13	13	12	12	11	11

5G-802.11ax TB

Channel\\ rate	26RU	52RU	106RU	242RU	484RU	996RU
	dBm	dBm	dBm	dBm	dBm	dBm
42-58	12+/-1	15+/-1	17+/-1	19.5+/-1	19+/-1	18+/-1
106-155	12+/-1	15+/-1	17+/-1	19.5+/-1	19+/-1	18+/-1
CLPC	8	11	13	17	16	15

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WIFI6E tune up

ANT6 SISO													
SET_0/1/2/3/4	**6G-802.11a 20MHZ**												
	Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps				
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm				
	1-233	9.5+/-1	9.5+/-1	8.5+/-1	8.5+/-1	7.5+/-1	7.5+/-1	6.5+/-1	6.5+/-1				
	CLPC	9.5	9.5	8.5	8.5	7.5	7.5	6.5	6.5				
	6G-802.11ax 20MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	1-233	8+/-1	8+/-1	7+/-1	7+/-1	7+/-1	7+/-1	6+/-1	6+/-1	5+/-1	5+/-1	4+/-1	4+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax 40MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	3-227	8+/-1	8+/-1	7+/-1	7+/-1	7+/-1	7+/-1	6+/-1	6+/-1	5+/-1	5+/-1	4+/-1	4+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax 80MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	7-215	8+/-1	8+/-1	7+/-1	7+/-1	7+/-1	7+/-1	6+/-1	6+/-1	5+/-1	5+/-1	4+/-1	4+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax TB												
	Channel\ rate	26RU	52RU	106RU	242RU	484RU	996RU						
		dBm	dBm	dBm	dBm	dBm	dBm						
	1-233	0+/-1	2.5+/-1	5+/-1	8+/-1	8+/-1	8+/-1						
	CLPC	-1	2	5	9	9	9						

ANT9 SISO													
SET_0/1/2/3/4	**6G-802.11a 20MHZ**												
	Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps				
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm				
	1-233	8.5+/-1	8.5+/-1	7.5+/-1	7.5+/-1	6.5+/-1	6.5+/-1	5.5+/-1	5.5+/-1				
	CLPC	9.5	9.5	8.5	8.5	7.5	7.5	6.5	6.5				
	6G-802.11ax 20MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	1-233	8+/-1	8+/-1	7+/-1	7+/-1	7+/-1	7+/-1	6+/-1	6+/-1	5+/-1	5+/-1	4+/-1	4+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax 40MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	3-227	8+/-1	8+/-1	7+/-1	7+/-1	7+/-1	7+/-1	6+/-1	6+/-1	5+/-1	5+/-1	4+/-1	4+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax 80MHZ												
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	7-215	8+/-1	8+/-1	7+/-1	7+/-1	7+/-1	7+/-1	6+/-1	6+/-1	5+/-1	5+/-1	4+/-1	4+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax TB												
	Channel\ rate	26RU	52RU	106RU	242RU	484RU	996RU						
		dBm	dBm	dBm	dBm	dBm	dBm						
	1-233	0+/-1	2.5+/-1	5+/-1	8+/-1	8+/-1	8+/-1						
	CLPC	-1	2	5	9	9	9						

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	ANT6+ANT9MIMO											
SET_0/1/2/3/4	**6G-802.11a 20MHZ**											
	Channel\ rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps			
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm			
	1-233	12+/-1	12+/-1	11+/-1	11+/-1	10+/-1	10+/-1	9+/-1	9+/-1			
	CLPC	9.5	9.5	8.5	8.5	7.5	7.5	6.5	6.5			
	6G-802.11ax 20MHZ											
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	1-233	10.5+/-1	10.5+/-1	9.5+/-1	9.5+/-1	9.5+/-1	9.5+/-1	8.5+/-1	8.5+/-1	7.5+/-1	7.5+/-1	6.5+/-1	6.5+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax 40MHZ											
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	3-227	10.5+/-1	10.5+/-1	9.5+/-1	9.5+/-1	9.5+/-1	9.5+/-1	8.5+/-1	8.5+/-1	7.5+/-1	7.5+/-1	6.5+/-1	6.5+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax 80MHZ											
	Channel\ rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
		dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
	7-215	10.5+/-1	10.5+/-1	9.5+/-1	9.5+/-1	9.5+/-1	9.5+/-1	8.5+/-1	8.5+/-1	7.5+/-1	7.5+/-1	6.5+/-1	6.5+/-1
	CLPC	9	9	8	8	8	8	7	7	6	6	5	5
	6G-802.11ax TB												
	Channel\ rate	26RU	52RU	106RU	242RU	484RU	996RU						
		dBm	dBm	dBm	dBm	dBm	dBm						
	1-233	3+/-1	5.5+/-1	8+/-1	10.5+/-1	10.5+/-1	10.5+/-1						
	CLPC	-1	2	5	9	9	9						

The maximum output power for WiFi 2.4G ANT8 –SET_0/1

802.11b	Channel\data rate	1Mbps	Tune up
WLAN2450	11(2462MHz)	19.99	21.00
	6(2437(MHz)	20.45	21.00
	1(2412MHz)	19.92	21.00
802.11g	Channel\data rate	6Mbps	Tune up
WLAN2450	11(2462MHz)	19.28	21.00
	6(2437(MHz)	20.48	21.00
	1(2412MHz)	20.45	21.00
802.11n-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	19.66	21.00
	6(2437(MHz)	20.42	21.00
	1(2412MHz)	20.25	21.00
802.11n-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	18.59	19.50
	6(2437MHz)	18.85	19.50
	3(2422MHz)	18.37	19.50
802.11ax-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	18.16	19.50
	6(2437(MHz)	18.40	19.50
	1(2412MHz)	19.04	19.50
802.11ax-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	17.60	19.00
	6(2437MHz)	17.90	19.00
	3(2422MHz)	18.39	19.00

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The maximum output power for WiFi 2.4G ANT8 –SET_2/3/4

802.11b	Channel\data rate	1Mbps	Tune up
WLAN2450	11(2462MHz)	16.96	18.00
	6(2437(MHz)	17.42	18.00
	1(2412MHz)	17.06	18.00
802.11g	Channel\data rate	6Mbps	Tune up
WLAN2450	11(2462MHz)	16.93	18.00
	6(2437(MHz)	17.49	18.00
	1(2412MHz)	17.15	18.00
802.11n-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	17.06	18.00
	6(2437(MHz)	17.51	18.00
	1(2412MHz)	17.35	18.00
802.11n-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	15.43	16.50
	6(2437MHz)	15.54	16.50
	3(2422MHz)	15.38	16.50
802.11ax-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	15.43	16.50
	6(2437(MHz)	15.89	16.50
	1(2412MHz)	15.73	16.50
802.11ax-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	15.07	16.00
	6(2437MHz)	15.08	16.00
	3(2422MHz)	14.92	16.00

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The maximum output power for WiFi 2.4G ANT9 –SET_0/1

802.11b	Channel\data rate	1Mbps	Tune up
WLAN2450	11(2462MHz)	20.34	21.00
	6(2437(MHz)	20.44	21.00
	1(2412MHz)	20.47	21.00
802.11g	Channel\data rate	6Mbps	Tune up
WLAN2450	11(2462MHz)	19.39	21.00
	6(2437(MHz)	19.98	21.00
	1(2412MHz)	20.33	21.00
802.11n-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	19.53	21.00
	6(2437(MHz)	20.05	21.00
	1(2412MHz)	20.24	21.00
802.11n-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	18.34	19.50
	6(2437MHz)	19.06	19.50
	3(2422MHz)	18.69	19.50
802.11ax-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	17.71	19.50
	6(2437(MHz)	18.14	19.50
	1(2412MHz)	18.55	19.50
802.11ax-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	17.62	19.00
	6(2437MHz)	17.41	19.00
	3(2422MHz)	17.52	19.00

The maximum output power for WiFi 2.4G ANT9 –SET_2/3/4

802.11b	Channel\data rate	1Mbps	Tune up
WLAN2450	11(2462MHz)	16.95	18.00
	6(2437(MHz)	17.01	18.00
	1(2412MHz)	17.41	18.00
802.11g	Channel\data rate	6Mbps	Tune up
WLAN2450	11(2462MHz)	17.03	18.00
	6(2437(MHz)	17.28	18.00
	1(2412MHz)	17.89	18.00
802.11n-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	17.14	18.00
	6(2437(MHz)	17.29	18.00
	1(2412MHz)	17.48	18.00
802.11n-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	15.84	16.50
	6(2437MHz)	15.39	16.50
	3(2422MHz)	15.44	16.50
802.11ax-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	15.45	16.50
	6(2437(MHz)	15.63	16.50
	1(2412MHz)	16.09	16.50
802.11ax-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	15.39	16.00
	6(2437MHz)	14.92	16.00
	3(2422MHz)	15.29	16.00

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The maximum output power for WiFi 2.4G MIMO –SET_0/1

802.11b	Channel\data rate	1Mbps	Tune up
WLAN2450	1(2412MHz)	23.21	23.50
	6(2437(MHz)	22.63	23.50
	11(2462MHz)	22.16	23.50
802.11g	Channel\data rate	6Mbps	Tune up
WLAN2450	1(2412MHz)	22.48	23.00
	6(2437(MHz)	22.23	23.00
	11(2462MHz)	21.64	23.00
802.11n-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	1(2412MHz)	22.51	23.00
	6(2437(MHz)	22.21	23.00
	11(2462MHz)	21.76	23.00
802.11n-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	3(2422MHz)	20.64	21.00
	6(2437MHz)	20.49	21.00
	9(2452MHz)	20.52	21.00
802.11ax-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	1(2412MHz)	20.68	21.00
	6(2437(MHz)	20.57	21.00
	11(2462MHz)	20.27	21.00
802.11ax-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	3(2422MHz)	19.93	20.00
	6(2437MHz)	19.47	20.00
	9(2452MHz)	19.52	20.00

The maximum output power for WiFi 2.4G MIMO –SET_2/3/4

802.11b	Channel\data rate	1Mbps	Tune up
WLAN2450	11(2462MHz)	19.97	21.00
	6(2437(MHz)	20.23	21.00
	1(2412MHz)	20.25	21.00
802.11g	Channel\data rate	6Mbps	Tune up
WLAN2450	11(2462MHz)	19.99	21.00
	6(2437(MHz)	20.40	21.00
	1(2412MHz)	20.55	21.00
802.11n-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	20.11	21.00
	6(2437(MHz)	20.41	21.00
	1(2412MHz)	20.43	21.00
802.11n-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	18.65	19.00
	6(2437MHz)	18.48	19.00
	3(2422MHz)	18.42	19.00
802.11ax-20MHz	Channel\data rate	MCS0	Tune up
WLAN2450	11(2462MHz)	18.45	19.00
	6(2437(MHz)	18.77	19.00
	1(2412MHz)	18.92	19.00
802.11ax-40MHz	Channel\data rate	MCS0	Tune up
WLAN2450	9(2452MHz)	18.24	19.00
	6(2437MHz)	18.01	19.00
	3(2422MHz)	18.12	19.00

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The maximum output power for WiFi 5G ANT6 – SET_0/1/2/3/4

802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	18.13	19.00
40(5200 MHz)	18.02	19.00
44(5220 MHz)	18.72	19.00
48(5240 MHz)	18.34	19.00
52(5260 MHz)	18.09	19.00
56(5280 MHz)	18.14	19.00
60(5300 MHz)	17.92	19.00
64(5320 MHz)	18.55	19.00
100(5500 MHz)	18.33	19.00
104(5520 MHz)	18.76	19.00
108(5540 MHz)	18.58	19.00
112(5560 MHz)	18.50	19.00
116(5580 MHz)	18.03	19.00
120(5600 MHz)	18.45	19.00
124(5620 MHz)	18.13	19.00
128(5640 MHz)	18.54	19.00
132(5660 MHz)	18.52	19.00
136(5680 MHz)	18.23	19.00
140(5700 MHz)	18.27	19.00
144(5720 MHz)	18.76	19.00
149(5745 MHz)	18.12	19.00
153(5765 MHz)	18.43	19.00
157(5785 MHz)	18.30	19.00
161(5805 MHz)	18.31	19.00
165(5825 MHz)	18.19	19.00

802.11n(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	18.14	19.00
40(5200 MHz)	18.08	19.00
44(5220 MHz)	18.51	19.00
48(5240 MHz)	18.45	19.00
52(5260 MHz)	18.23	19.00
56(5280 MHz)	18.15	19.00
60(5300 MHz)	18.04	19.00
64(5320 MHz)	18.02	19.00
100(5500 MHz)	18.32	19.00
104(5520 MHz)	18.73	19.00
108(5540 MHz)	18.52	19.00
112(5560 MHz)	18.41	19.00
116(5580 MHz)	18.15	19.00
120(5600 MHz)	18.17	19.00
124(5620 MHz)	18.33	19.00
128(5640 MHz)	18.29	19.00
132(5660 MHz)	18.62	19.00
136(5680 MHz)	18.26	19.00
140(5700 MHz)	18.37	19.00
144(5720 MHz)	18.81	19.00
149(5745 MHz)	18.15	19.00
153(5765 MHz)	18.52	19.00
157(5785 MHz)	18.46	19.00
161(5805 MHz)	18.44	19.00
165(5825 MHz)	18.47	19.00

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802.11ac(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	18.06	19.00
40(5200 MHz)	18.15	19.00
44(5220 MHz)	18.47	19.00
48(5240 MHz)	18.40	19.00
52(5260 MHz)	18.18	19.00
56(5280 MHz)	18.16	19.00
60(5300 MHz)	17.89	19.00
64(5320 MHz)	18.12	19.00
100(5500 MHz)	18.26	19.00
104(5520 MHz)	18.78	19.00
108(5540 MHz)	18.55	19.00
112(5560 MHz)	18.41	19.00
116(5580 MHz)	18.12	19.00
120(5600 MHz)	18.21	19.00
124(5620 MHz)	18.31	19.00
128(5640 MHz)	18.34	19.00
132(5660 MHz)	18.52	19.00
136(5680 MHz)	18.33	19.00
140(5700 MHz)	18.25	19.00
144(5720 MHz)	18.81	19.00
149(5745 MHz)	18.14	19.00
153(5765 MHz)	18.54	19.00
157(5785 MHz)	18.51	19.00
161(5805 MHz)	18.40	19.00
165(5825 MHz)	18.26	19.00

802.11ax(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	16.18	17.50
40(5200 MHz)	16.22	17.50
44(5220 MHz)	16.46	17.50
48(5240 MHz)	16.41	17.50
52(5260 MHz)	16.60	17.50
56(5280 MHz)	16.29	17.50
60(5300 MHz)	16.13	17.50
64(5320 MHz)	16.36	17.50
100(5500 MHz)	16.52	17.50
104(5520 MHz)	16.91	17.50
108(5540 MHz)	16.96	17.50
112(5560 MHz)	16.54	17.50
116(5580 MHz)	16.27	17.50
120(5600 MHz)	16.32	17.50
124(5620 MHz)	16.37	17.50
128(5640 MHz)	16.50	17.50
132(5660 MHz)	16.70	17.50
136(5680 MHz)	16.43	17.50
140(5700 MHz)	16.46	17.50
144(5720 MHz)	16.76	17.50
149(5745 MHz)	16.32	17.50
153(5765 MHz)	16.60	17.50
157(5785 MHz)	16.51	17.50
161(5805 MHz)	16.54	17.50
165(5825 MHz)	16.52	17.50

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	16.86	17.60
46(5230 MHz)	17.08	17.60
54(5270 MHz)	16.97	17.60
62(5310 MHz)	16.43	17.60
102(5510 MHz)	17.16	17.60
110(5550 MHz)	17.41	17.60
118(5590 MHz)	16.89	17.60
126(5630 MHz)	17.15	17.60
134(5670 MHz)	17.20	17.60
142(5710 MHz)	17.48	17.60
151(5755 MHz)	16.67	17.60
159(5795 MHz)	16.94	17.60

802.11ac(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	16.52	18.00
46(5230 MHz)	16.83	18.00
54(5270 MHz)	16.94	18.00
62(5310 MHz)	17.01	18.00
102(5510 MHz)	17.29	18.00
110(5550 MHz)	17.32	18.00
118(5590 MHz)	17.02	18.00
126(5630 MHz)	17.10	18.00
134(5670 MHz)	17.23	18.00
142(5710 MHz)	17.26	18.00
151(5755 MHz)	17.11	18.00
159(5795 MHz)	17.07	18.00

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802.11ax(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	16.37	17.00
46(5230 MHz)	16.42	17.00
54(5270 MHz)	16.23	17.00
62(5310 MHz)	16.44	17.00
102(5510 MHz)	16.51	17.00
110(5550 MHz)	16.48	17.00
118(5590 MHz)	16.36	17.00
126(5630 MHz)	16.22	17.00
134(5670 MHz)	16.76	17.00
142(5710 MHz)	16.54	17.00
151(5755 MHz)	16.67	17.00
159(5795 MHz)	16.13	17.00

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	14.60	15.50
58(5290 MHz)	15.03	15.50
106(5530 MHz)	15.20	15.50
122(5610 MHz)	14.95	15.50
138(5690 MHz)	15.37	15.50
155(5775 MHz)	15.25	15.50

802.11ax(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	14.56	16.00
58(5290 MHz)	14.78	16.00
106(5530 MHz)	15.09	16.00
122(5610 MHz)	14.97	16.00
138(5690 MHz)	15.40	16.00
155(5775 MHz)	15.16	16.00

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The maximum output power for WiFi 5G ANT9 – SET_0/1/2/3/4

802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	19.19	20.00
40(5200 MHz)	19.55	20.00
44(5220 MHz)	19.54	20.00
48(5240 MHz)	19.61	20.00
52(5260 MHz)	19.62	20.00
56(5280 MHz)	19.72	20.00
60(5300 MHz)	19.56	20.00
64(5320 MHz)	19.78	20.00
100(5500 MHz)	19.51	20.00
104(5520 MHz)	19.95	20.00
108(5540 MHz)	19.71	20.00
112(5560 MHz)	19.62	20.00
116(5580 MHz)	19.58	20.00
120(5600 MHz)	19.45	20.00
124(5620 MHz)	19.51	20.00
128(5640 MHz)	19.59	20.00
132(5660 MHz)	19.60	20.00
136(5680 MHz)	19.91	20.00
140(5700 MHz)	19.78	20.00
144(5720 MHz)	19.65	20.00
149(5745 MHz)	19.76	20.00
153(5765 MHz)	19.78	20.00
157(5785 MHz)	19.61	20.00
161(5805 MHz)	19.74	20.00
165(5825 MHz)	19.72	20.00

802.11n(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	19.52	20.00
40(5200 MHz)	19.29	20.00
44(5220 MHz)	19.48	20.00
48(5240 MHz)	19.52	20.00
52(5260 MHz)	19.66	20.00
56(5280 MHz)	19.64	20.00
60(5300 MHz)	19.72	20.00
64(5320 MHz)	19.24	20.00
100(5500 MHz)	19.48	20.00
104(5520 MHz)	19.66	20.00
108(5540 MHz)	19.61	20.00
112(5560 MHz)	19.41	20.00
116(5580 MHz)	19.63	20.00
120(5600 MHz)	19.43	20.00
124(5620 MHz)	19.44	20.00
128(5640 MHz)	19.52	20.00
132(5660 MHz)	19.57	20.00
136(5680 MHz)	19.85	20.00
140(5700 MHz)	19.77	20.00
144(5720 MHz)	19.62	20.00
149(5745 MHz)	19.86	20.00
153(5765 MHz)	19.65	20.00
157(5785 MHz)	19.55	20.00
161(5805 MHz)	19.72	20.00
165(5825 MHz)	19.97	20.00

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802.11ac(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	19.41	20.00
40(5200 MHz)	19.60	20.00
44(5220 MHz)	19.19	20.00
48(5240 MHz)	19.54	20.00
52(5260 MHz)	19.68	20.00
56(5280 MHz)	19.67	20.00
60(5300 MHz)	19.54	20.00
64(5320 MHz)	19.25	20.00
100(5500 MHz)	19.28	20.00
104(5520 MHz)	19.57	20.00
108(5540 MHz)	19.68	20.00
112(5560 MHz)	19.58	20.00
116(5580 MHz)	19.54	20.00
120(5600 MHz)	19.37	20.00
124(5620 MHz)	19.41	20.00
128(5640 MHz)	19.51	20.00
132(5660 MHz)	19.50	20.00
136(5680 MHz)	19.67	20.00
140(5700 MHz)	19.86	20.00
144(5720 MHz)	19.58	20.00
149(5745 MHz)	19.85	20.00
153(5765 MHz)	19.70	20.00
157(5785 MHz)	19.61	20.00
161(5805 MHz)	19.63	20.00
165(5825 MHz)	19.98	20.00

802.11ax(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	17.44	18.50
40(5200 MHz)	17.81	18.50
44(5220 MHz)	17.82	18.50
48(5240 MHz)	17.87	18.50
52(5260 MHz)	17.93	18.50
56(5280 MHz)	18.04	18.50
60(5300 MHz)	17.60	18.50
64(5320 MHz)	17.72	18.50
100(5500 MHz)	17.62	18.50
104(5520 MHz)	18.26	18.50
108(5540 MHz)	18.06	18.50
112(5560 MHz)	17.91	18.50
116(5580 MHz)	17.59	18.50
120(5600 MHz)	17.57	18.50
124(5620 MHz)	17.81	18.50
128(5640 MHz)	17.98	18.50
132(5660 MHz)	18.01	18.50
136(5680 MHz)	17.77	18.50
140(5700 MHz)	18.02	18.50
144(5720 MHz)	18.24	18.50
149(5745 MHz)	17.96	18.50
153(5765 MHz)	18.00	18.50
157(5785 MHz)	17.95	18.50
161(5805 MHz)	18.08	18.50
165(5825 MHz)	18.16	18.50

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	17.87	18.50
46(5230 MHz)	17.22	18.50
54(5270 MHz)	17.81	18.50
62(5310 MHz)	17.73	18.50
102(5510 MHz)	17.89	18.50
110(5550 MHz)	17.92	18.50
118(5590 MHz)	17.77	18.50
126(5630 MHz)	17.74	18.50
134(5670 MHz)	17.67	18.50
142(5710 MHz)	18.12	18.50
151(5755 MHz)	17.69	18.50
159(5795 MHz)	17.71	18.50

802.11ac(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	17.40	18.00
46(5230 MHz)	17.23	18.00
54(5270 MHz)	17.75	18.00
62(5310 MHz)	17.63	18.00
102(5510 MHz)	17.95	18.00
110(5550 MHz)	17.87	18.00
118(5590 MHz)	17.76	18.00
126(5630 MHz)	17.78	18.00
134(5670 MHz)	17.73	18.00
142(5710 MHz)	17.60	18.00
151(5755 MHz)	17.71	18.00
159(5795 MHz)	17.31	18.00

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802.11ax(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	16.97	17.50
46(5230 MHz)	16.90	17.50
54(5270 MHz)	17.02	17.50
62(5310 MHz)	16.81	17.50
102(5510 MHz)	17.13	17.50
110(5550 MHz)	16.75	17.50
118(5590 MHz)	16.96	17.50
126(5630 MHz)	17.01	17.50
134(5670 MHz)	16.88	17.50
142(5710 MHz)	17.31	17.50
151(5755 MHz)	16.60	17.50
159(5795 MHz)	17.03	17.50

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	15.15	16.50
58(5290 MHz)	15.64	16.50
106(5530 MHz)	15.47	16.50
122(5610 MHz)	15.48	16.50
138(5690 MHz)	16.03	16.50
155(5775 MHz)	15.70	16.50

802.11ax(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	15.27	16.00
58(5290 MHz)	15.58	16.00
106(5530 MHz)	15.82	16.00
122(5610 MHz)	15.30	16.00
138(5690 MHz)	15.96	16.00
155(5775 MHz)	15.93	16.00

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The maximum output power for WiFi 5G MIMO – SET_0/1/2/3/4

802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	21.70	22.50
40(5200 MHz)	21.86	22.50
44(5220 MHz)	22.16	22.50
48(5240 MHz)	22.03	22.50
52(5260 MHz)	21.93	22.50
56(5280 MHz)	22.01	22.50
60(5300 MHz)	21.83	22.50
64(5320 MHz)	22.22	22.50
100(5500 MHz)	21.97	22.50
104(5520 MHz)	22.41	22.50
108(5540 MHz)	22.19	22.50
112(5560 MHz)	22.11	22.50
116(5580 MHz)	21.88	22.50
120(5600 MHz)	21.99	22.50
124(5620 MHz)	21.88	22.50
128(5640 MHz)	22.11	22.50
132(5660 MHz)	22.10	22.50
136(5680 MHz)	22.16	22.50
140(5700 MHz)	22.10	22.50
144(5720 MHz)	22.24	22.50
149(5745 MHz)	22.03	22.50
153(5765 MHz)	22.17	22.50
157(5785 MHz)	22.01	22.50
161(5805 MHz)	22.09	22.50
165(5825 MHz)	22.03	22.50

802.11n(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	21.89	22.50
40(5200 MHz)	21.74	22.50
44(5220 MHz)	22.03	22.50
48(5240 MHz)	22.03	22.50
52(5260 MHz)	22.01	22.50
56(5280 MHz)	21.97	22.50
60(5300 MHz)	21.97	22.50
64(5320 MHz)	21.68	22.50
100(5500 MHz)	21.95	22.50
104(5520 MHz)	22.23	22.50
108(5540 MHz)	22.11	22.50
112(5560 MHz)	21.95	22.50
116(5580 MHz)	21.96	22.50
120(5600 MHz)	21.86	22.50
124(5620 MHz)	21.93	22.50
128(5640 MHz)	21.96	22.50
132(5660 MHz)	22.13	22.50
136(5680 MHz)	22.14	22.50
140(5700 MHz)	22.14	22.50
144(5720 MHz)	22.24	22.50
149(5745 MHz)	22.10	22.50
153(5765 MHz)	22.13	22.50
157(5785 MHz)	22.05	22.50
161(5805 MHz)	22.14	22.50
165(5825 MHz)	22.29	22.50

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802.11ac(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	21.80	22.50
40(5200 MHz)	21.95	22.50
44(5220 MHz)	21.86	22.50
48(5240 MHz)	22.02	22.50
52(5260 MHz)	22.00	22.50
56(5280 MHz)	21.99	22.50
60(5300 MHz)	21.80	22.50
64(5320 MHz)	21.73	22.50
100(5500 MHz)	21.81	22.50
104(5520 MHz)	22.20	22.50
108(5540 MHz)	22.16	22.50
112(5560 MHz)	22.04	22.50
116(5580 MHz)	21.90	22.50
120(5600 MHz)	21.84	22.50
124(5620 MHz)	21.91	22.50
128(5640 MHz)	21.97	22.50
132(5660 MHz)	22.05	22.50
136(5680 MHz)	22.06	22.50
140(5700 MHz)	22.14	22.50
144(5720 MHz)	22.22	22.50
149(5745 MHz)	22.09	22.50
153(5765 MHz)	22.17	22.50
157(5785 MHz)	22.11	22.50
161(5805 MHz)	22.07	22.50
165(5825 MHz)	22.21	22.50

802.11ax(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	19.87	20.5
40(5200 MHz)	20.10	20.5
44(5220 MHz)	20.20	20.5
48(5240 MHz)	20.21	20.5
52(5260 MHz)	20.33	20.5
56(5280 MHz)	20.26	20.5
60(5300 MHz)	19.94	20.5
64(5320 MHz)	20.10	20.5
100(5500 MHz)	20.12	20.5
104(5520 MHz)	20.45	20.5
108(5540 MHz)	20.36	20.5
112(5560 MHz)	20.29	20.5
116(5580 MHz)	19.99	20.5
120(5600 MHz)	20.00	20.5
124(5620 MHz)	20.16	20.5
128(5640 MHz)	20.31	20.5
132(5660 MHz)	20.41	20.5
136(5680 MHz)	20.16	20.5
140(5700 MHz)	20.32	20.5
144(5720 MHz)	20.35	20.5
149(5745 MHz)	20.23	20.5
153(5765 MHz)	20.37	20.5
157(5785 MHz)	20.30	20.5
161(5805 MHz)	20.39	20.5
165(5825 MHz)	20.43	20.5

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	20.40	21.00
46(5230 MHz)	20.16	21.00
54(5270 MHz)	20.42	21.00
62(5310 MHz)	20.14	21.00
102(5510 MHz)	20.55	21.00
110(5550 MHz)	20.68	21.00
118(5590 MHz)	20.36	21.00
126(5630 MHz)	20.47	21.00
134(5670 MHz)	20.45	21.00
142(5710 MHz)	20.82	21.00
151(5755 MHz)	20.22	21.00
159(5795 MHz)	20.35	21.00

802.11ac(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	19.99	21
46(5230 MHz)	20.04	21
54(5270 MHz)	20.37	21
62(5310 MHz)	20.34	21
102(5510 MHz)	20.64	21
110(5550 MHz)	20.61	21
118(5590 MHz)	20.42	21
126(5630 MHz)	20.46	21
134(5670 MHz)	20.50	21
142(5710 MHz)	20.44	21
151(5755 MHz)	20.43	21
159(5795 MHz)	20.20	21

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802.11ax(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	19.69	20
46(5230 MHz)	19.68	20
54(5270 MHz)	19.65	20
62(5310 MHz)	19.64	20
102(5510 MHz)	19.84	20
110(5550 MHz)	19.63	20
118(5590 MHz)	19.68	20
126(5630 MHz)	19.64	20
134(5670 MHz)	19.83	20
142(5710 MHz)	19.95	20
151(5755 MHz)	19.65	20
159(5795 MHz)	19.61	20

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	17.48	18
58(5290 MHz)	17.55	18
106(5530 MHz)	17.53	18
122(5610 MHz)	17.71	18
138(5690 MHz)	17.85	18
155(5775 MHz)	18.00	18

802.11ax(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	17.94	19
58(5290 MHz)	18.21	19
106(5530 MHz)	18.48	19
122(5610 MHz)	18.15	19
138(5690 MHz)	18.70	19
155(5775 MHz)	18.57	19

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The maximum output power for WiFi 6E ANT6 – SET_0/1/2/3/4

802.11a (dBm)		
Channel\data rate	6Mbps	Tune up
1(5955 MHz)	10.39	10.5
5(5975 MHz)	10.27	10.5
9(5995 MHz)	10.21	10.5
13(6015 MHz)	10.19	10.5
17(6035 MHz)	9.19	10.5
21(6055 MHz)	9.07	10.5
25(6075 MHz)	9.04	10.5
29(6095 MHz)	9.13	10.5
33(6115 MHz)	8.99	10.5
37(6135 MHz)	9.06	10.5
41(6155 MHz)	9.35	10.5
45(6175 MHz)	9.26	10.5
49(6195 MHz)	9.31	10.5
53(6215 MHz)	9.19	10.5
57(6235 MHz)	9.36	10.5
61(6255 MHz)	9.37	10.5
65(6275 MHz)	9.45	10.5
69(6295 MHz)	9.32	10.5
73(6315 MHz)	9.15	10.5
77(6335 MHz)	9.16	10.5
81(6355 MHz)	9.89	10.5
85(6375 MHz)	10.03	10.5
89(6395 MHz)	9.52	10.5
93(6415 MHz)	10.11	10.5
97(6435 MHz)	9.56	10.5
101(6455 MHz)	9.56	10.5
105(6475 MHz)	9.72	10.5
109(6495 MHz)	9.74	10.5
113(6515 MHz)	9.66	10.5
117(6535 MHz)	9.82	10.5
121(6555 MHz)	9.87	10.5
125(6575 MHz)	9.83	10.5
129(6595 MHz)	9.62	10.5
133(6615 MHz)	9.49	10.5
137(6635 MHz)	9.01	10.5
141(6655 MHz)	9.12	10.5
145(6675 MHz)	9.22	10.5
149(6695 MHz)	8.85	10.5
153(6715 MHz)	9.17	10.5
157(6735 MHz)	9.08	10.5
161(6755 MHz)	8.61	10.5
165(6775 MHz)	8.58	10.5
169(6795 MHz)	9.03	10.5
173(6815 MHz)	8.84	10.5
177(6835 MHz)	9.07	10.5
181(6855 MHz)	9.18	10.5
185(6875 MHz)	9.91	10.5
189(6895 MHz)	9.65	10.5
193(6915 MHz)	9.57	10.5
197(6935 MHz)	9.57	10.5
201(6955 MHz)	9.55	10.5
205(6975 MHz)	9.61	10.5
209(6995 MHz)	9.94	10.5
213(7015 MHz)	9.66	10.5
217(7035 MHz)	9.46	10.5
221(7055 MHz)	9.39	10.5
225(7075 MHz)	9.38	10.5
229(7095 MHz)	9.81	10.5
233(7115 MHz)	9.83	10.5

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The maximum output power for WiFi 6E ANT9 – SET_0/1/2/3/4

802.11a (dBm)		
Channel\data rate	6Mbps	Tune up
1(5955 MHz)	8.88	9.5
5(5975 MHz)	8.84	9.5
9(5995 MHz)	8.85	9.5
13(6015 MHz)	8.96	9.5
17(6035 MHz)	8.76	9.5
21(6055 MHz)	9.04	9.5
25(6075 MHz)	8.85	9.5
29(6095 MHz)	8.45	9.5
33(6115 MHz)	8.68	9.5
37(6135 MHz)	8.76	9.5
41(6155 MHz)	8.69	9.5
45(6175 MHz)	8.35	9.5
49(6195 MHz)	8.26	9.5
53(6215 MHz)	7.94	9.5
57(6235 MHz)	8.53	9.5
61(6255 MHz)	8.01	9.5
65(6275 MHz)	8.25	9.5
69(6295 MHz)	8.64	9.5
73(6315 MHz)	8.51	9.5
77(6335 MHz)	8.59	9.5
81(6355 MHz)	8.34	9.5
85(6375 MHz)	8.57	9.5
89(6395 MHz)	8.57	9.5
93(6415 MHz)	8.59	9.5
97(6435 MHz)	8.26	9.5
101(6455 MHz)	7.83	9.5
105(6475 MHz)	8.45	9.5
109(6495 MHz)	8.07	9.5
113(6515 MHz)	8.35	9.5
117(6535 MHz)	8.61	9.5
121(6555 MHz)	8.06	9.5
125(6575 MHz)	8.46	9.5
129(6595 MHz)	8.18	9.5
133(6615 MHz)	8.25	9.5
137(6635 MHz)	8.34	9.5
141(6655 MHz)	7.55	9.5
145(6675 MHz)	8.03	9.5
149(6695 MHz)	8.20	9.5
153(6715 MHz)	8.27	9.5
157(6735 MHz)	8.27	9.5
161(6755 MHz)	8.22	9.5
165(6775 MHz)	8.49	9.5
169(6795 MHz)	8.47	9.5
173(6815 MHz)	8.59	9.5
177(6835 MHz)	8.15	9.5
181(6855 MHz)	8.41	9.5
185(6875 MHz)	7.76	9.5
189(6895 MHz)	8.23	9.5
193(6915 MHz)	8.15	9.5
197(6935 MHz)	8.21	9.5
201(6955 MHz)	7.70	9.5
205(6975 MHz)	8.28	9.5
209(6995 MHz)	8.44	9.5
213(7015 MHz)	8.41	9.5
217(7035 MHz)	8.62	9.5
221(7055 MHz)	8.08	9.5
225(7075 MHz)	8.17	9.5
229(7095 MHz)	7.86	9.5
233(7115 MHz)	7.94	9.5

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The maximum output power for WiFi 6E MIMO – SET_0/1/2/3/4

802.11a (dBm)		
Channel\data rate	6Mbps	Tune up
1(5955 MHz)	12.71	13
5(5975 MHz)	12.62	13
9(5995 MHz)	12.59	13
13(6015 MHz)	12.63	13
17(6035 MHz)	11.99	13
21(6055 MHz)	12.07	13
25(6075 MHz)	11.96	13
29(6095 MHz)	11.81	13
33(6115 MHz)	11.85	13
37(6135 MHz)	11.92	13
41(6155 MHz)	12.04	13
45(6175 MHz)	11.84	13
49(6195 MHz)	11.83	13
53(6215 MHz)	11.62	13
57(6235 MHz)	11.98	13
61(6255 MHz)	11.75	13
65(6275 MHz)	11.90	13
69(6295 MHz)	12.00	13
73(6315 MHz)	11.85	13
77(6335 MHz)	11.89	13
81(6355 MHz)	12.19	13
85(6375 MHz)	12.37	13
89(6395 MHz)	12.08	13
93(6415 MHz)	12.43	13
97(6435 MHz)	11.97	13
101(6455 MHz)	11.79	13
105(6475 MHz)	12.14	13
109(6495 MHz)	12.00	13
113(6515 MHz)	12.06	13
117(6535 MHz)	12.27	13
121(6555 MHz)	12.07	13
125(6575 MHz)	12.21	13
129(6595 MHz)	11.97	13
133(6615 MHz)	11.92	13
137(6635 MHz)	11.70	13
141(6655 MHz)	11.42	13
145(6675 MHz)	11.68	13
149(6695 MHz)	11.55	13
153(6715 MHz)	11.75	13
157(6735 MHz)	11.70	13
161(6755 MHz)	11.43	13
165(6775 MHz)	11.55	13
169(6795 MHz)	11.77	13
173(6815 MHz)	11.73	13
177(6835 MHz)	11.64	13
181(6855 MHz)	11.82	13
185(6875 MHz)	11.98	13
189(6895 MHz)	12.01	13
193(6915 MHz)	11.93	13
197(6935 MHz)	11.95	13
201(6955 MHz)	11.73	13
205(6975 MHz)	12.01	13
209(6995 MHz)	12.26	13
213(7015 MHz)	12.09	13
217(7035 MHz)	12.07	13
221(7055 MHz)	11.79	13
225(7075 MHz)	11.83	13
229(7095 MHz)	11.95	13
233(7115 MHz)	12.00	13

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11 SAR Test Result

Note:

KDB 447498 D01 General RF Exposure Guidance:

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

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

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

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

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

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

KDB 648474 D04 Handset SAR:

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

KDB 941225 D01 SAR test for 3G devices:

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ 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

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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

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

Table 15.1: Duty Cycle

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

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

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	Head	GSM850	251	848.8	GPRS(4)	Cheek Left	0mm	\	29.25	30	0.028	**0.03**	0.022	**0.03**	0.14
1	Head	GSM850	190	836.6	GPRS(4)	Cheek Left	0mm	1	29.34	30	0.044	**0.05**	0.036	**0.04**	0.01
1	Head	GSM850	128	824.2	GPRS(4)	Cheek Left	0mm	\	29.27	30	<0.01	<0.01	<0.01	<0.01	\
1	Head	GSM850	190	836.6	GPRS(4)	Tilt Left	0mm	\	29.34	30	<0.01	<0.01	<0.01	<0.01	\
1	Head	GSM850	190	836.6	GPRS(4)	Cheek Right	0mm	\	29.34	30	0.024	**0.03**	0.018	**0.02**	0.06
1	Head	GSM850	190	836.6	GPRS(4)	Tilt Right	0mm	\	29.34	30	<0.01	<0.01	<0.01	<0.01	\
1	Head	GSM850	190	836.6	EGPRS(4)	Cheek Left	0mm	\	29.32	30	0.037	**0.04**	0.031	**0.04**	0.06
1	Body	GSM850	190	836.6	GPRS(4)	Front	15mm	\	29.34	30	0.024	**0.03**	0.015	**0.02**	-0.08
1	Body	GSM850	251	848.8	GPRS(4)	Rear	15mm	\	29.25	30	0.086	**0.10**	0.052	**0.06**	-0.01
1	Body	GSM850	190	836.6	GPRS(4)	Rear	15mm	\	29.34	30	0.085	**0.10**	0.049	**0.06**	-0.1
1	Body	GSM850	128	824.2	GPRS(4)	Rear	15mm	\	29.27	30	0.113	**0.13**	0.073	**0.09**	-0.06
1	Body	GSM850	190	836.6	GPRS(4)	Front	10mm	\	29.34	30	0.048	**0.06**	0.032	**0.04**	-0.16
1	Body	GSM850	251	848.8	GPRS(4)	Rear	10mm	\	29.25	30	0.134	**0.16**	0.079	**0.09**	0.02
1	Body	GSM850	190	836.6	GPRS(4)	Rear	10mm	\	29.34	30	0.127	**0.15**	0.076	**0.09**	0.14
1	Body	GSM850	128	824.2	GPRS(4)	Rear	10mm	2	29.27	30	0.162	**0.19**	0.098	**0.12**	-0.07
1	Body	GSM850	190	836.6	GPRS(4)	Left	10mm	\	29.34	30	0.048	**0.06**	0.033	**0.04**	0.12
1	Body	GSM850	190	836.6	GPRS(4)	Bottom	10mm	\	29.34	30	0.038	**0.04**	0.023	**0.03**	0.06
1	Body	GSM850	128	824.2	EGPRS(4)	Rear	10mm	\	28.85	30	0.132	**0.17**	0.074	**0.10**	0.02
2	Head	GSM1900	810	1909.8	GPRS(4)	Cheek Left	0mm	\	24.94	25.5	0.548	**0.62**	0.264	**0.15**	0.02
2	Head	GSM1900	661	1880	GPRS(4)	Cheek Left	0mm	\	24.72	25.5	0.683	**0.82**	0.327	**0.39**	-0.07
2	Head	GSM1900	512	1850.2	GPRS(4)	Cheek Left	0mm	3	24.91	25.5	0.88	**1.01**	0.405	**0.46**	-0.03
2	Head	GSM1900	661	1880	GPRS(4)	Tilt Left	0mm	\	24.72	25.5	0.232	**0.28**	0.138	**0.17**	0.11
2	Head	GSM1900	661	1880	GPRS(4)	Cheek Right	0mm	\	24.72	25.5	0.23	**0.28**	0.134	**0.16**	0.12
2	Head	GSM1900	661	1880	GPRS(4)	Tilt Right	0mm	\	24.72	25.5	0.13	**0.16**	0.078	**0.09**	0.02
2	Head	GSM1900	512	1850.2	EGPRS(4)	Cheek Left	0mm	\	24.89	25.5	0.858	**0.99**	0.373	**0.43**	-0.04
2	Head	GSM1900	512	1850.2	GPRS(4)	Cheek Left	0mm	SIM2	24.91	25.5	0.864	**0.99**	0.387	**0.44**	0.09
2	Head	GSM1900	512	1850.2	GPRS(4)	Cheek Left	0mm	eSIM	24.91	25.5	0.853	**0.98**	0.382	**0.44**	-0.05
2	Body	GSM1900	661	1880	GPRS(4)	Front	15mm	\	25.62	26.5	0.077	**0.09**	0.047	**0.06**	0.05
2	Body	GSM1900	810	1909.8	GPRS(4)	Rear	15mm	\	25.89	26.5	0.193	**0.22**	0.108	**0.12**	-0.12
2	Body	GSM1900	661	1880	GPRS(4)	Rear	15mm	\	25.62	26.5	0.234	**0.29**	0.124	**0.15**	0.05
2	Body	GSM1900	512	1850.2	GPRS(4)	Rear	15mm	\	25.75	26.5	0.244	**0.29**	0.137	**0.16**	-0.01
2	Body	GSM1900	661	1880	GPRS(4)	Front	10mm	\	25.62	26.5	0.229	**0.28**	0.133	**0.16**	-0.05
2	Body	GSM1900	810	1909.8	GPRS(4)	Rear	10mm	\	25.89	26.5	0.428	**0.49**	0.261	**0.30**	0.06
2	Body	GSM1900	661	1880	GPRS(4)	Rear	10mm	\	25.62	26.5	0.688	**0.84**	0.427	**0.52**	0.17
2	Body	GSM1900	512	1850.2	GPRS(4)	Rear	10mm	4	25.75	26.5	0.707	**0.84**	0.332	**0.39**	-0.03
2	Body	GSM1900	810	1909.8	GPRS(4)	Right	10mm	\	25.89	26.5	0.587	**0.68**	0.324	**0.37**	-0.13
2	Body	GSM1900	661	1880	GPRS(4)	Right	10mm	\	25.62	26.5	0.678	**0.83**	0.394	**0.48**	-0.05
2	Body	GSM1900	512	1850.2	GPRS(4)	Right	10mm	\	25.75	26.5	0.637	**0.76**	0.368	**0.44**	-0.09
2	Body	GSM1900	661	1880	GPRS(4)	Top	10mm	\	25.62	26.5	0.055	**0.07**	0.036	**0.04**	0.14
2	Body	GSM1900	512	1850.2	EGPRS(4)	Rear	10mm	\	25.86	26.5	0.693	**0.80**	0.321	**0.37**	0.07

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ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	Head	WCDMA1900	9538	1907.6	RMC	Cheek Left	0mm	\	20.51	22	0.217	**0.31**	0.104	**0.15**	-0.14
2	Head	WCDMA1900	9400	1880	RMC	Cheek Left	0mm	5	20.68	22	0.253	**0.34**	0.127	**0.17**	0.14
2	Head	WCDMA1900	9262	1852.4	RMC	Cheek Left	0mm	\	20.37	22	0.193	**0.28**	0.094	**0.14**	0.07
2	Head	WCDMA1900	9400	1880	RMC	Tilt Left	0mm	\	20.68	22	0.085	**0.12**	0.045	**0.06**	0.1
2	Head	WCDMA1900	9400	1880	RMC	Cheek Right	0mm	\	20.68	22	0.065	**0.09**	0.04	**0.05**	0.03
2	Head	WCDMA1900	9400	1880	RMC	Tilt Right	0mm	\	20.68	22	0.044	**0.06**	0.027	**0.04**	-0.16
2	Body	WCDMA1900	9400	1880	RMC	Front	15mm	\	23.04	24	0.077	**0.10**	0.045	**0.06**	0.03
2	Body	WCDMA1900	9538	1907.6	RMC	Rear	15mm	\	22.84	24	0.203	**0.27**	0.114	**0.15**	0.07
2	Body	WCDMA1900	9400	1880	RMC	Rear	15mm	\	23.04	24	0.196	**0.24**	0.11	**0.14**	0.13
2	Body	WCDMA1900	9262	1852.4	RMC	Rear	15mm	\	22.95	24	0.185	**0.24**	0.105	**0.13**	0.18
2	Body	WCDMA1900	9400	1880	RMC	Front	10mm	\	23.04	24	0.143	**0.18**	0.083	**0.10**	-0.06
2	Body	WCDMA1900	9538	1907.6	RMC	Rear	10mm	\	22.84	24	0.478	**0.62**	0.234	**0.31**	0.05
2	Body	WCDMA1900	9400	1880	RMC	Rear	10mm	\	23.04	24	0.473	**0.59**	0.237	**0.30**	0.04
2	Body	WCDMA1900	9262	1852.4	RMC	Rear	10mm	6	22.95	24	0.493	**0.63**	0.251	**0.32**	-0.04
2	Body	WCDMA1900	9400	1880	RMC	Right	10mm	\	23.04	24	0.462	**0.58**	0.242	**0.30**	-0.13
2	Body	WCDMA1900	9400	1880	RMC	Top	10mm	\	23.04	24	0.049	**0.06**	0.03	**0.04**	-0.02
2	Head	WCDMA 1700	1513	1752.6	RMC	Cheek Left	0mm	\	22.42	24	0.319	**0.46**	0.163	**0.23**	-0.14
2	Head	WCDMA 1700	1412	1732.4	RMC	Cheek Left	0mm	7	22.48	24	0.414	**0.59**	0.21	**0.30**	0.07
2	Head	WCDMA 1700	1312	1712.4	RMC	Cheek Left	0mm	\	22.55	24	0.411	**0.57**	0.215	**0.30**	0.17
2	Head	WCDMA 1700	1412	1732.4	RMC	Tilt Left	0mm	\	22.48	24	0.15	**0.21**	0.088	**0.12**	-0.13
2	Head	WCDMA 1700	1412	1732.4	RMC	Cheek Right	0mm	\	22.48	24	0.166	**0.24**	0.11	**0.16**	0.15
2	Head	WCDMA 1700	1412	1732.4	RMC	Tilt Right	0mm	\	22.48	24	0.071	**0.10**	0.048	**0.07**	-0.12
2	Body	WCDMA 1700	1412	1732.4	RMC	Front	15mm	\	22.48	24	0.077	**0.11**	0.043	**0.06**	-0.16
2	Body	WCDMA 1700	1513	1752.6	RMC	Rear	15mm	\	22.42	24	0.244	**0.35**	0.134	**0.19**	-0.12
2	Body	WCDMA 1700	1412	1732.4	RMC	Rear	15mm	\	22.48	24	0.179	**0.25**	0.102	**0.14**	-0.1
2	Body	WCDMA 1700	1312	1712.4	RMC	Rear	15mm	\	22.55	24	0.256	**0.36**	0.145	**0.20**	0.03
2	Body	WCDMA 1700	1412	1732.4	RMC	Front	10mm	\	22.48	24	0.114	**0.16**	0.071	**0.10**	0.01
2	Body	WCDMA 1700	1513	1752.6	RMC	Rear	10mm	\	22.42	24	0.504	**0.73**	0.272	**0.39**	-0.18
2	Body	WCDMA 1700	1412	1732.4	RMC	Rear	10mm	\	22.48	24	0.628	**0.89**	0.323	**0.46**	-0.02
2	Body	WCDMA 1700	1312	1712.4	RMC	Rear	10mm	\	22.55	24	0.411	**0.57**	0.222	**0.31**	0.02
2	Body	WCDMA 1700	1513	1752.6	RMC	Right	10mm	\	22.52	24	0.62	**0.87**	0.321	**0.45**	-0.18
2	Body	WCDMA 1700	1412	1732.4	RMC	Right	10mm	\	22.48	24	0.715	**1.01**	0.373	**0.53**	-0.11
2	Body	WCDMA 1700	1312	1712.4	RMC	Right	10mm	8	22.52	24	0.84	**1.18**	0.444	**0.62**	0.01
2	Body	WCDMA 1700	1412	1732.4	RMC	Top	10mm	\	22.48	24	0.083	**0.12**	0.05	**0.07**	-0.16
2	Body	WCDMA 1700	1312	1712.4	RMC	Right	10mm	SIM2	22.52	24	0.831	**1.17**	0.437	**0.61**	0.08
2	Body	WCDMA 1700	1312	1712.4	RMC	Right	10mm	eSIM	22.52	24	0.827	**1.16**	0.433	**0.61**	-0.05
1	Head	WCDMA 850	4233	846.6	RMC	Cheek Left	0mm	\	22.72	24.5	0.048	**0.07**	0.04	**0.06**	0.08
1	Head	WCDMA 850	4183	836.6	RMC	Cheek Left	0mm	9	22.67	24.5	0.052	**0.08**	0.043	**0.07**	-0.09
1	Head	WCDMA 850	4132	826.4	RMC	Cheek Left	0mm	\	22.58	24.5	0.033	**0.05**	0.025	**0.04**	0.04
1	Head	WCDMA 850	4183	836.6	RMC	Tilt Left	0mm	\	22.67	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	WCDMA 850	4183	836.6	RMC	Cheek Right	0mm	\	22.67	24.5	0.043	**0.07**	0.032	**0.05**	0.13
1	Head	WCDMA 850	4183	836.6	RMC	Tilt Right	0mm	\	22.67	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	WCDMA 850	4183	836.6	RMC	Front	15mm	\	22.67	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	WCDMA 850	4233	846.6	RMC	Rear	15mm	\	22.72	24.5	0.079	**0.12**	0.049	**0.07**	0.02
1	Body	WCDMA 850	4183	836.6	RMC	Rear	15mm	\	22.67	24.5	0.098	**0.15**	0.062	**0.09**	0.15
1	Body	WCDMA 850	4132	826.4	RMC	Rear	15mm	\	22.58	24.5	0.08	**0.12**	0.049	**0.08**	-0.04
1	Body	WCDMA 850	4183	836.6	RMC	Front	10mm	\	22.67	24.5	0.067	**0.10**	0.040	**0.06**	0.11
1	Body	WCDMA 850	4233	846.6	RMC	Rear	10mm	10	22.72	24.5	0.182	**0.27**	0.109	**0.16**	-0.08
1	Body	WCDMA 850	4183	836.6	RMC	Rear	10mm	\	22.67	24.5	0.164	**0.25**	0.095	**0.14**	0.05
1	Body	WCDMA 850	4132	826.4	RMC	Rear	10mm	\	22.58	24.5	0.168	**0.26**	0.097	**0.15**	-0.05
1	Body	WCDMA 850	4183	836.6	RMC	Right	10mm	\	22.67	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	WCDMA 850	4183	836.6	RMC	Bottom	10mm	\	22.67	24.5	0.052	**0.08**	0.030	**0.05**	0.07

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ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
4	Head	LTE Band7	21100	2535	1RB-Mid	Cheek Left	0mm	\	20.08	21	0.182	**0.22**	0.095	**0.12**	-0.06
4	Head	LTE Band7	21100	2535	1RB-Mid	Tilt Left	0mm	\	20.08	21	0.06	**0.07**	0.034	**0.04**	0.16
4	Head	LTE Band7	21100	2535	1RB-Mid	Cheek Right	0mm	11	20.08	21	0.315	**0.39**	0.166	**0.21**	0.09
4	Head	LTE Band7	21100	2535	1RB-Mid	Tilt Right	0mm	\	20.08	21	0.119	**0.15**	0.064	**0.08**	0.13
4	Head	LTE Band7	21100	2535	50RB-Mid	Cheek Left	0mm	\	20.06	21	0.231	**0.29**	0.118	**0.15**	-0.14
4	Head	LTE Band7	21100	2535	50RB-Mid	Tilt Left	0mm	\	20.06	21	0.059	**0.07**	0.033	**0.04**	-0.11
4	Head	LTE Band7	21100	2535	50RB-Mid	Cheek Right	0mm	\	20.06	21	0.231	**0.29**	0.122	**0.15**	-0.08
4	Head	LTE Band7	21100	2535	50RB-Mid	Tilt Right	0mm	\	20.06	21	0.119	**0.15**	0.064	**0.08**	0.02
4	Head	LTE Band7	21350	2560	UL CA_7C	Cheek Right	0mm	\	19.73	21	0.245	**0.33**	0.121	**0.16**	0.03
4	Body	LTE Band7	21100	2535	1RB-Mid	Front	15mm	\	22.17	23	0.142	**0.17**	0.083	**0.10**	-0.12
4	Body	LTE Band7	21100	2535	1RB-Mid	Rear	15mm	\	22.17	23	0.282	**0.34**	0.163	**0.20**	0.05
4	Body	LTE Band7	21100	2535	50RB-High	Front	15mm	\	22.22	23	0.141	**0.17**	0.08	**0.10**	-0.08
4	Body	LTE Band7	21100	2535	50RB-High	Rear	15mm	\	22.22	23	0.278	**0.33**	0.153	**0.18**	-0.09
4	Body	LTE Band7	21100	2535	1RB-Mid	Front	10mm	\	21.18	22	0.186	**0.22**	0.101	**0.12**	-0.15
4	Body	LTE Band7	21100	2535	1RB-Mid	Rear	10mm	\	21.18	22	0.398	**0.48**	0.209	**0.25**	0.1
4	Body	LTE Band7	21100	2535	1RB-Mid	Left	10mm	12	21.18	22	0.477	**0.58**	0.229	**0.28**	-0.19
4	Body	LTE Band7	21100	2535	1RB-Mid	Top	10mm	\	21.18	22	0.052	**0.06**	0.027	**0.03**	0.1
4	Body	LTE Band7	21100	2535	50RB-Mid	Front	10mm	\	21.1	22	0.185	**0.23**	0.098	**0.12**	-0.13
4	Body	LTE Band7	21100	2535	50RB-Mid	Rear	10mm	\	21.1	22	0.397	**0.49**	0.207	**0.25**	-0.02
4	Body	LTE Band7	21100	2535	50RB-Mid	Left	10mm	\	21.1	22	0.275	**0.34**	0.171	**0.21**	0.04
4	Body	LTE Band7	21100	2535	50RB-Mid	Top	10mm	\	21.1	22	0.033	**0.04**	0.019	**0.02**	-0.08
4	Body	LTE Band7	21350	2560	UL CA_7C	Left	10mm	\	20.69	22	0.354	**0.48**	0.178	**0.24**	0.03
1	Head	LTE Band12	23130	711	1RB-Low	Cheek Left	0mm	13	23.9	24.5	0.058	**0.07**	0.048	**0.06**	0.08
1	Head	LTE Band12	23130	711	1RB-Low	Tilt Left	0mm	\	23.9	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band12	23130	711	1RB-Low	Cheek Right	0mm	\	23.9	24.5	0.035	**0.04**	0.024	**0.03**	0.06
1	Head	LTE Band12	23130	711	1RB-Low	Tilt Right	0mm	\	23.9	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band12	23130	711	25RB-Low	Cheek Left	0mm	\	22.85	23.5	0.035	**0.04**	0.027	**0.03**	-0.11
1	Head	LTE Band12	23130	711	25RB-Low	Tilt Left	0mm	\	22.85	23.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band12	23130	711	25RB-Low	Cheek Right	0mm	\	22.85	23.5	0.026	**0.03**	0.017	**0.02**	0.07
1	Head	LTE Band12	23130	711	25RB-Low	Tilt Right	0mm	\	22.85	23.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band12	23130	711	1RB-Low	Front	15mm	\	23.9	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band12	23130	711	1RB-Low	Rear	15mm	\	23.9	24.5	0.073	**0.08**	0.049	**0.06**	0.03
1	Body	LTE Band12	23130	711	25RB-Low	Front	15mm	\	22.85	23.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band12	23130	711	25RB-Low	Rear	15mm	\	22.85	23.5	0.054	**0.06**	0.033	**0.04**	0.04
1	Body	LTE Band12	23130	711	1RB-Low	Front	10mm	\	23.9	24.5	0.051	**0.06**	0.022	**0.03**	0.12
1	Body	LTE Band12	23130	711	1RB-Low	Rear	10mm	14	23.9	24.5	0.137	**0.16**	0.085	**0.10**	0.01
1	Body	LTE Band12	23130	711	1RB-Low	Left	10mm	\	23.9	24.5	0.069	**0.08**	0.039	**0.04**	-0.05
1	Body	LTE Band12	23130	711	1RB-Low	Bottom	10mm	\	23.9	24.5	0.047	**0.05**	0.028	**0.03**	0.12
1	Body	LTE Band12	23130	711	25RB-Low	Front	10mm	\	22.85	23.5	0.032	**0.04**	0.017	**0.02**	0.07
1	Body	LTE Band12	23130	711	25RB-Low	Rear	10mm	\	22.85	23.5	0.109	**0.13**	0.065	**0.08**	-0.05
1	Body	LTE Band12	23130	711	25RB-Low	Left	10mm	\	22.85	23.5	0.059	**0.07**	0.032	**0.04**	-0.07
1	Body	LTE Band12	23130	711	25RB-Low	Bottom	10mm	\	22.85	23.5	0.025	**0.03**	0.014	**0.02**	-0.17
1	Head	LTE Band13	23230	782	1RB-Low	Cheek Left	0mm	15	23.89	24	0.045	**0.05**	0.033	**0.03**	0.12
1	Head	LTE Band13	23230	782	1RB-Low	Tilt Left	0mm	\	23.89	24	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band13	23230	782	1RB-Low	Cheek Right	0mm	\	23.89	24	0.025	**0.03**	0.018	**0.02**	-0.14
1	Head	LTE Band13	23230	782	1RB-Low	Tilt Right	0mm	\	23.89	24	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band13	23230	782	25RB-Low	Cheek Left	0mm	\	22.76	23	0.034	**0.04**	0.024	**0.03**	-0.02
1	Head	LTE Band13	23230	782	25RB-Low	Tilt Left	0mm	\	22.76	23	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band13	23230	782	25RB-Low	Cheek Right	0mm	\	22.76	23	0.018	**0.02**	0.011	**0.01**	0.05
1	Head	LTE Band13	23230	782	25RB-Low	Tilt Right	0mm	\	22.76	23	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band13	23230	782	1RB-Low	Front	15mm	\	23.89	24	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band13	23230	782	1RB-Low	Rear	15mm	\	23.89	24	0.077	**0.08**	0.051	**0.05**	0.01
1	Body	LTE Band13	23230	782	25RB-Low	Front	15mm	\	22.76	23	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band13	23230	782	25RB-Low	Rear	15mm	\	22.76	23	0.055	**0.06**	0.034	**0.04**	\
1	Body	LTE Band13	23230	782	1RB-Low	Front	10mm	\	23.89	24	0.053	**0.05**	0.033	**0.03**	0.05
1	Body	LTE Band13	23230	782	1RB-Low	Rear	10mm	16	23.89	24	0.155	**0.16**	0.095	**0.10**	-0.13
1	Body	LTE Band13	23230	782	1RB-Low	Left	10mm	\	23.89	24	0.089	**0.09**	0.046	**0.05**	-0.16
1	Body	LTE Band13	23230	782	1RB-Low	Bottom	10mm	\	23.89	24	0.054	**0.06**	0.032	**0.03**	0.07
1	Body	LTE Band13	23230	782	25RB-Low	Front	10mm	\	22.76	23	0.049	**0.05**	0.029	**0.03**	-0.18
1	Body	LTE Band13	23230	782	25RB-Low	Rear	10mm	\	22.76	23	0.121	**0.13**	0.074	**0.08**	0.13
1	Body	LTE Band13	23230	782	25RB-Low	Left	10mm	\	22.76	23	0.068	**0.07**	0.033	**0.03**	0.09
1	Body	LTE Band13	23230	782	25RB-Low	Bottom	10mm	\	22.76	23	0.037	**0.04**	0.024	**0.03**	-0.09
1	Head	LTE Band14	23330	793	1RB-Low	Cheek Left	0mm	17	23.39	24	0.047	**0.05**	0.039	**0.04**	-0.09
1	Head	LTE Band14	23330	793	1RB-Low	Tilt Left	0mm	\	23.39	24	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band14	23330	793	1RB-Low	Cheek Right	0mm	\	23.39	24	0.032	**0.04**	0.024	**0.03**	0.09
1	Head	LTE Band14	23330	793	1RB-Low	Tilt Right	0mm	\	23.39	24	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band14	23330	793	25RB-Low	Cheek Left	0mm	\	22.3	23	0.035	**0.04**	0.027	**0.03**	-0.11
1	Head	LTE Band14	23330	793	25RB-Low	Tilt Left	0mm	\	22.3	23	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band14	23330	793	25RB-Low	Cheek Right	0mm	\	22.3	23	0.024	**0.03**	0.017	**0.02**	0.05
1	Head	LTE Band14	23330	793	25RB-Low	Tilt Right	0mm	\	22.3	23	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band14	23330	793	1RB-Low	Front	15mm	\	23.39	24	0.033	**0.04**	0.022	**0.03**	-0.18
1	Body	LTE Band14	23330	793	1RB-Low	Rear	15mm	\	23.39	24	0.068	**0.08**	0.044	**0.05**	-0.01
1	Body	LTE Band14	23330	793	25RB-Low	Front	15mm	\	22.3	23	0.024	**0.03**	0.015	**0.02**	0.06
1	Body	LTE Band14	23330	793	25RB-Low	Rear	15mm	\	22.3	23	0.053	**0.06**	0.034	**0.04**	0.18
1	Body	LTE Band14	23330	793	1RB-Low	Front	10mm	\	23.39	24	0.05	**0.06**	0.031	**0.04**	-0.18
1	Body	LTE Band14	23330	793	1RB-Low	Rear	10mm	18	23.39	24	0.136	**0.16**	0.084	**0.10**	0.02
1	Body	LTE Band14	23330	793	1RB-Low	Left	10mm	\	23.39	24	0.067	**0.08**	0.038	**0.04**	0.18
1	Body	LTE Band14	23330	793	1RB-Low	Bottom	10mm	\	23.39	24	0.056	**0.06**	0.033	**0.04**	0.17
1	Body	LTE Band14	23330	793	25RB-Low	Front	10mm	\	22.3	23	0.033	**0.04**	0.022	**0.03**	-0.05
1	Body	LTE Band14	23330	793	25RB-Low	Rear	10mm	\	22.3	23	0.096	**0.11**	0.058	**0.07**	-0.07
1	Body	LTE Band14	23330	793	25RB-Low	Left	10mm	\	22.3	23	0.05	**0.06**	0.029	**0.03**	0.02
1	Body	LTE Band14	23330	793	25RB-Low	Bottom	10mm	\	22.3	23	0.041	**0.05**	0.024	**0.03**	-0.18

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ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	Head	LTE Band25	26590	1905	1RB-High	Cheek Left	0mm	\	19.72	20	0.575	**0.61**	0.281	**0.30**	-0.14
2	Head	LTE Band25	26590	1905	1RB-High	Tilt Left	0mm	\	19.72	20	0.126	**0.13**	0.074	**0.08**	0.16
2	Head	LTE Band25	26590	1905	1RB-High	Cheek Right	0mm	\	19.72	20	0.122	**0.13**	0.073	**0.08**	-0.13
2	Head	LTE Band25	26590	1905	1RB-High	Tilt Right	0mm	\	19.72	20	0.089	**0.09**	0.055	**0.06**	-0.15
2	Head	LTE Band25	26590	1905	50RB-Low	Cheek Left	0mm	19	19.74	20	0.582	**0.62**	0.283	**0.30**	-0.06
2	Head	LTE Band25	26590	1905	50RB-Low	Tilt Left	0mm	\	19.74	20	0.128	**0.14**	0.076	**0.08**	0.02
2	Head	LTE Band25	26590	1905	50RB-Low	Cheek Right	0mm	\	19.74	20	0.124	**0.13**	0.075	**0.08**	-0.07
2	Head	LTE Band25	26590	1905	50RB-Low	Tilt Right	0mm	\	19.74	20	0.091	**0.10**	0.055	**0.06**	-0.12
2	Body	LTE Band25	26140	1860	1RB-High	Front	15mm	\	23.51	24	0.084	**0.09**	0.043	**0.05**	-0.01
2	Body	LTE Band25	26140	1860	1RB-High	Rear	15mm	\	23.51	24	0.207	**0.23**	0.114	**0.13**	0.01
2	Body	LTE Band25	26140	1860	50RB-Low	Front	15mm	\	22.49	23	0.078	**0.09**	0.037	**0.04**	0.18
2	Body	LTE Band25	26140	1860	50RB-Low	Rear	15mm	\	22.49	23	0.189	**0.21**	0.105	**0.12**	0.04
2	Body	LTE Band25	26140	1860	1RB-High	Front	10mm	\	23.51	24	0.148	**0.17**	0.083	**0.09**	-0.07
2	Body	LTE Band25	26140	1860	1RB-High	Rear	10mm	\	23.51	24	0.438	**0.49**	0.222	**0.25**	-0.18
2	Body	LTE Band25	26140	1860	1RB-High	Right	10mm	20	23.51	24	0.489	**0.55**	0.252	**0.28**	0.06
2	Body	LTE Band25	26140	1860	1RB-High	Top	10mm	\	23.51	24	0.045	**0.05**	0.027	**0.03**	0.04
2	Body	LTE Band25	26140	1860	50RB-Low	Front	10mm	\	22.49	23	0.144	**0.16**	0.080	**0.09**	0.15
2	Body	LTE Band25	26140	1860	50RB-Low	Rear	10mm	\	22.49	23	0.432	**0.49**	0.224	**0.25**	0.17
2	Body	LTE Band25	26140	1860	50RB-Low	Right	10mm	\	22.49	23	0.451	**0.51**	0.235	**0.26**	0.11
2	Body	LTE Band25	26140	1860	50RB-Low	Top	10mm	\	22.49	23	0.04	**0.04**	0.024	**0.03**	-0.13
1	Head	LTE Band26	26865	831.5	1RB-Mid	Cheek Left	0mm	21	23.45	24.5	0.047	**0.06**	0.04	**0.05**	-0.05
1	Head	LTE Band26	26865	831.5	1RB-Mid	Tilt Left	0mm	\	23.45	24.5	0.018	**0.02**	0.011	**0.01**	0.07
1	Head	LTE Band26	26865	831.5	1RB-Mid	Cheek Right	0mm	\	23.45	24.5	0.041	**0.05**	0.037	**0.05**	-0.09
1	Head	LTE Band26	26865	831.5	1RB-Mid	Tilt Right	0mm	\	23.45	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band26	26865	831.5	36RB-Low	Cheek Left	0mm	\	22.44	23.5	0.35	**0.45**	0.028	**0.04**	0.14
1	Head	LTE Band26	26865	831.5	36RB-Low	Tilt Left	0mm	\	22.44	23.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band26	26865	831.5	36RB-Low	Cheek Right	0mm	\	22.44	23.5	0.027	**0.03**	0.019	**0.02**	0.15
1	Head	LTE Band26	26865	831.5	36RB-Low	Tilt Right	0mm	\	22.44	23.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band26	26865	831.5	1RB-Mid	Front	15mm	\	23.45	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band26	26865	831.5	1RB-Mid	Rear	15mm	\	23.45	24.5	0.056	**0.07**	0.038	**0.05**	0.05
1	Body	LTE Band26	26865	831.5	36RB-Low	Front	15mm	\	22.44	23.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band26	26865	831.5	36RB-Low	Rear	15mm	\	22.44	23.5	0.036	**0.05**	0.024	**0.03**	-0.1
1	Body	LTE Band26	26865	831.5	1RB-Mid	Front	10mm	\	23.45	24.5	0.061	**0.08**	0.039	**0.05**	0.11
1	Body	LTE Band26	26865	831.5	1RB-Mid	Rear	10mm	22	23.45	24.5	0.18	**0.23**	0.109	**0.14**	-0.09
1	Body	LTE Band26	26865	831.5	1RB-Mid	Left	10mm	\	23.45	24.5	0.091	**0.12**	0.045	**0.06**	0.05
1	Body	LTE Band26	26865	831.5	1RB-Mid	Bottom	10mm	\	23.45	24.5	0.058	**0.07**	0.034	**0.04**	0.01
1	Body	LTE Band26	26865	831.5	36RB-Low	Front	10mm	\	22.44	23.5	0.047	**0.06**	0.030	**0.04**	-0.02
1	Body	LTE Band26	26865	831.5	36RB-Low	Rear	10mm	\	22.44	23.5	0.116	**0.15**	0.069	**0.09**	-0.09
1	Body	LTE Band26	26865	831.5	36RB-Low	Left	10mm	\	22.44	23.5	0.062	**0.08**	0.032	**0.04**	-0.04
1	Body	LTE Band26	26865	831.5	36RB-Low	Bottom	10mm	\	22.44	23.5	0.046	**0.06**	0.027	**0.03**	0.12
4	Head	LTE Band30	27710	2310	1RB-Low	Cheek Left	0mm	\	22.87	24	0.363	**0.47**	0.21	**0.27**	-0.17
4	Head	LTE Band30	27710	2310	1RB-Low	Tilt Left	0mm	\	22.87	24	0.072	**0.09**	0.046	**0.06**	-0.05
4	Head	LTE Band30	27710	2310	1RB-Low	Cheek Right	0mm	23	22.87	24	0.374	**0.49**	0.216	**0.28**	-0.03
4	Head	LTE Band30	27710	2310	1RB-Low	Tilt Right	0mm	\	22.87	24	0.126	**0.16**	0.079	**0.10**	-0.17
4	Head	LTE Band30	27710	2310	25RB-Low	Cheek Left	0mm	\	21.86	23	0.29	**0.38**	0.161	**0.21**	0.07
4	Head	LTE Band30	27710	2310	25RB-Low	Tilt Left	0mm	\	21.86	23	0.053	**0.07**	0.033	**0.04**	-0.04
4	Head	LTE Band30	27710	2310	25RB-Low	Cheek Right	0mm	\	21.86	23	0.292	**0.38**	0.169	**0.22**	-0.11
4	Head	LTE Band30	27710	2310	25RB-Low	Tilt Right	0mm	\	21.86	23	0.097	**0.13**	0.062	**0.08**	-0.05
4	Body	LTE Band30	27710	2310	1RB-Low	Front	15mm	\	22.87	24	0.131	**0.17**	0.077	**0.10**	0.14
4	Body	LTE Band30	27710	2310	1RB-Low	Rear	15mm	\	22.87	24	0.301	**0.39**	0.171	**0.22**	-0.17
4	Body	LTE Band30	27710	2310	25RB-Low	Front	15mm	\	21.86	23	0.101	**0.13**	0.059	**0.08**	-0.18
4	Body	LTE Band30	27710	2310	25RB-Low	Rear	15mm	\	21.86	23	0.233	**0.30**	0.133	**0.17**	-0.18
4	Body	LTE Band30	27710	2310	1RB-Low	Front	10mm	\	22.87	24	0.177	**0.23**	0.103	**0.13**	-0.09
4	Body	LTE Band30	27710	2310	1RB-Low	Rear	10mm	24	22.87	24	0.414	**0.54**	0.231	**0.30**	-0.03
4	Body	LTE Band30	27710	2310	1RB-Low	Left	10mm	\	22.87	24	0.4	**0.52**	0.214	**0.28**	-0.18
4	Body	LTE Band30	27710	2310	25RB-Low	Front	10mm	\	21.86	23	0.146	**0.19**	0.086	**0.11**	-0.14
4	Body	LTE Band30	27710	2310	25RB-Low	Rear	10mm	\	21.86	23	0.295	**0.38**	0.168	**0.22**	0.15
4	Body	LTE Band30	27710	2310	25RB-Low	Left	10mm	\	21.86	23	0.328	**0.43**	0.177	**0.23**	0.17
4	Head	LTE B41 PC3	41490	2680	1RB-Low	Cheek Left	0mm	25	22.97	24	0.098	**0.12**	0.053	**0.07**	0.06
4	Head	LTE B41 PC3	41490	2680	1RB-Low	Tilt Left	0mm	\	22.97	24	0.023	**0.03**	0.008	**0.01**	0.07
4	Head	LTE B41 PC3	41490	2680	1RB-Low	Cheek Right	0mm	\	22.97	24	0.057	**0.07**	0.035	**0.04**	0.15
4	Head	LTE B41 PC3	41490	2680	1RB-Low	Tilt Right	0mm	\	22.97	24	0.028	**0.04**	0.017	**0.02**	0.14
4	Head	LTE B41 PC3	41490	2680	50RB-Low	Cheek Left	0mm	\	22.21	23	0.033	**0.04**	0.02	**0.02**	0.04
4	Head	LTE B41 PC3	41490	2680	50RB-Low	Tilt Left	0mm	\	22.21	23	<0.01	<0.01	<0.01	<0.01	\
4	Head	LTE B41 PC3	41490	2680	50RB-Low	Cheek Right	0mm	\	22.21	23	0.053	**0.06**	0.033	**0.04**	0.01
4	Head	LTE B41 PC3	41490	2680	50RB-Low	Tilt Right	0mm	\	22.21	23	0.025	**0.03**	0.015	**0.02**	0.13
4	Body	LTE B41 PC3	41490	2680	1RB-Low	Front	15mm	\	22.97	24	<0.01	<0.01	<0.01	<0.01	\
4	Body	LTE B41 PC3	41490	2680	1RB-Low	Rear	15mm	\	22.97	24	0.034	**0.04**	0.019	**0.02**	0.13
4	Body	LTE B41 PC3	41490	2680	50RB-Low	Front	15mm	\	22.21	23	<0.01	<0.01	<0.01	<0.01	\
4	Body	LTE B41 PC3	41490	2680	50RB-Low	Rear	15mm	\	22.21	23	0.025	**0.03**	0.015	**0.02**	0.06
4	Body	LTE B41 PC3	41490	2680	1RB-Low	Front	10mm	\	22.97	24	0.054	**0.07**	0.028	**0.04**	0.1
4	Body	LTE B41 PC3	41490	2680	1RB-Low	Rear	10mm	26	22.97	24	0.112	**0.14**	0.061	**0.08**	0.07
4	Body	LTE B41 PC3	41490	2680	1RB-Low	Left	10mm	\	22.97	24	0.105	**0.13**	0.047	**0.06**	-0.16
4	Body	LTE B41 PC3	41490	2680	1RB-Low	Top	10mm	\	22.97	24	0.053	**0.07**	0.014	**0.02**	-0.13
4	Body	LTE B41 PC3	41490	2680	50RB-Low	Front	10mm	\	22.21	23	0.039	**0.05**	0.02	**0.02**	0.12
4	Body	LTE B41 PC3	41490	2680	50RB-Low	Rear	10mm	\	22.21	23	0.1	**0.12**	0.047	**0.06**	0.18
4	Body	LTE B41 PC3	41490	2680	50RB-Low	Left	10mm	\	22.21	23	0.091	**0.11**	0.042	**0.05**	0.05
4	Body	LTE B41 PC3	41490	2680	50RB-Low	Top	10mm	\	22.21	23	0.035	**0.04**	0.01	**0.01**	-0.12

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ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
7	Head	LTE B48 PC3	56640	3690	1RB-High	Cheek Left	0mm	\	21.72	22	0.132	**0.14**	0.071	**0.08**	0.1
7	Head	LTE B48 PC3	56640	3690	1RB-High	Tilt Left	0mm	\	21.72	22	0.118	**0.13**	0.061	**0.07**	-0.03
7	Head	LTE B48 PC3	56640	3690	1RB-High	Cheek Right	0mm	27	21.72	22	0.547	**0.58**	0.235	**0.25**	-0.05
7	Head	LTE B48 PC3	56640	3690	1RB-High	Tilt Right	0mm	\	21.72	22	0.298	**0.32**	0.139	**0.15**	0.06
7	Head	LTE B48 PC3	56640	3690	50RB-High	Cheek Left	0mm	\	21.67	22	0.125	**0.13**	0.065	**0.07**	0.05
7	Head	LTE B48 PC3	56640	3690	50RB-High	Tilt Left	0mm	\	21.67	22	0.114	**0.12**	0.057	**0.06**	0.09
7	Head	LTE B48 PC3	56640	3690	50RB-High	Cheek Right	0mm	\	21.67	22	0.533	**0.58**	0.231	**0.25**	-0.1
7	Head	LTE B48 PC3	56640	3690	50RB-High	Tilt Right	0mm	\	21.67	22	0.293	**0.32**	0.133	**0.14**	-0.09
7	Head	LTE B48 PC3	55340	3560	UL CA_48C	Cheek Right	0mm	\	21.24	22	0.467	**0.56**	0.201	**0.24**	0.03
7	Body	LTE B48 PC3	56640	3690	1RB-High	Front	15mm	\	23.59	24	0.105	**0.12**	0.057	**0.06**	0.1
7	Body	LTE B48 PC3	56640	3690	1RB-High	Rear	15mm	\	23.59	24	0.157	**0.17**	0.079	**0.09**	0.15
7	Body	LTE B48 PC3	56640	3690	50RB-High	Front	15mm	\	22.34	23	0.087	**0.10**	0.046	**0.05**	0.18
7	Body	LTE B48 PC3	56640	3690	50RB-High	Rear	15mm	\	22.34	23	0.123	**0.14**	0.06	**0.07**	-0.06
7	Body	LTE B48 PC3	56640	3690	1RB-High	Front	10mm	\	23.59	24	0.198	**0.22**	0.102	**0.11**	0.15
7	Body	LTE B48 PC3	56640	3690	1RB-High	Rear	10mm	28	23.59	24	0.397	**0.44**	0.17	**0.19**	-0.14
7	Body	LTE B48 PC3	56640	3690	1RB-High	Left	10mm	\	23.59	24	0.339	**0.37**	0.162	**0.18**	-0.03
7	Body	LTE B48 PC3	56640	3690	1RB-High	Top	10mm	\	23.59	24	0.103	**0.11**	0.053	**0.06**	0.09
7	Body	LTE B48 PC3	56640	3690	50RB-High	Front	10mm	\	22.34	23	0.155	**0.18**	0.082	**0.10**	-0.15
7	Body	LTE B48 PC3	56640	3690	50RB-High	Rear	10mm	\	22.34	23	0.305	**0.36**	0.133	**0.15**	-0.06
7	Body	LTE B48 PC3	56640	3690	50RB-High	Left	10mm	\	22.34	23	0.221	**0.26**	0.112	**0.13**	-0.18
7	Body	LTE B48 PC3	56640	3690	50RB-High	Top	10mm	\	22.34	23	0.087	**0.10**	0.044	**0.05**	0.16
7	Body	LTE B48 PC3	55340	3560	UL CA_48C	Rear	10mm	\	23.21	24	0.313	**0.38**	0.123	**0.15**	0.06
2	Head	LTE Band66	132322	1745	1RB-Mid	Cheek Left	0mm	\	18.92	20.5	0.541	**0.78**	0.259	**0.37**	0.17
2	Head	LTE Band66	132322	1745	1RB-Mid	Tilt Left	0mm	\	18.92	20.5	0.22	**0.32**	0.124	**0.18**	-0.1
2	Head	LTE Band66	132322	1745	1RB-Mid	Cheek Right	0mm	\	18.92	20.5	0.197	**0.28**	0.124	**0.18**	0.15
2	Head	LTE Band66	132322	1745	1RB-Mid	Tilt Right	0mm	\	18.92	20.5	0.095	**0.14**	0.059	**0.08**	-0.11
2	Head	LTE Band66	132322	1745	50RB-High	Cheek Left	0mm	29	18.92	20.5	0.548	**0.79**	0.267	**0.38**	-0.01
2	Head	LTE Band66	132322	1745	50RB-High	Tilt Left	0mm	\	18.92	20.5	0.236	**0.34**	0.131	**0.19**	-0.08
2	Head	LTE Band66	132322	1745	50RB-High	Cheek Right	0mm	\	18.92	20.5	0.173	**0.25**	0.111	**0.16**	0.03
2	Head	LTE Band66	132322	1745	50RB-High	Tilt Right	0mm	\	18.92	20.5	0.093	**0.13**	0.058	**0.08**	0.07
2	Head	LTE Band66	132072	1720	ULCA_66C	Cheek Left	0mm	\	19.11	20.5	0.456	**0.63**	0.228	**0.31**	0.08
2	Body	LTE Band66	132322	1745	1RB-Mid	Front	15mm	\	20.47	22	0.091	**0.13**	0.051	**0.07**	-0.05
2	Body	LTE Band66	132322	1745	1RB-Mid	Rear	15mm	\	20.47	22	0.238	**0.34**	0.127	**0.18**	0.07
2	Body	LTE Band66	132322	1745	50RB-High	Front	15mm	\	20.43	22	0.081	**0.12**	0.047	**0.07**	-0.06
2	Body	LTE Band66	132322	1745	50RB-High	Rear	15mm	\	20.43	22	0.218	**0.31**	0.115	**0.17**	-0.16
2	Body	LTE Band66	132322	1745	1RB-Mid	Front	10mm	\	20.47	22	0.162	**0.23**	0.089	**0.13**	0.08
2	Body	LTE Band66	132322	1745	1RB-Mid	Rear	10mm	\	20.47	22	0.411	**0.58**	0.207	**0.29**	-0.17
2	Body	LTE Band66	132322	1745	1RB-Mid	Right	10mm	30	20.47	22	0.547	**0.78**	0.276	**0.39**	-0.02
2	Body	LTE Band66	132322	1745	1RB-Mid	Top	10mm	\	20.47	22	0.044	**0.06**	0.025	**0.04**	0.1
2	Body	LTE Band66	132322	1745	50RB-High	Front	10mm	\	20.43	22	0.142	**0.20**	0.079	**0.11**	-0.14
2	Body	LTE Band66	132322	1745	50RB-High	Rear	10mm	\	20.43	22	0.378	**0.54**	0.199	**0.29**	0.06
2	Body	LTE Band66	132322	1745	50RB-High	Right	10mm	\	20.43	22	0.406	**0.58**	0.209	**0.30**	-0.11
2	Body	LTE Band66	132322	1745	50RB-High	Top	10mm	\	20.43	22	0.048	**0.07**	0.028	**0.04**	0.01
2	Body	LTE Band66	132072	1720	ULCA_66C	Right	10mm	\	20.12	22	0.479	**0.74**	0.234	**0.36**	0.05
0	Head	LTE Band71	133372	688	1RB-Low	Cheek Left	0mm	\	23.29	24.5	0.079	**0.10**	0.046	**0.06**	-0.12
0	Head	LTE Band71	133372	688	1RB-Low	Tilt Left	0mm	\	23.29	24.5	0.12	**0.16**	0.064	**0.08**	0.17
0	Head	LTE Band71	133372	688	1RB-Low	Cheek Right	0mm	\	23.29	24.5	0.089	**0.12**	0.051	**0.07**	0.12
0	Head	LTE Band71	133372	688	1RB-Low	Tilt Right	0mm	31	23.29	24.5	0.155	**0.20**	0.079	**0.10**	-0.02
0	Head	LTE Band71	133372	688	50RB-Mid	Cheek Left	0mm	\	22.38	23.5	0.082	**0.11**	0.046	**0.06**	-0.03
0	Head	LTE Band71	133372	688	50RB-Mid	Tilt Left	0mm	\	22.38	23.5	0.087	**0.11**	0.048	**0.06**	-0.01
0	Head	LTE Band71	133372	688	50RB-Mid	Cheek Right	0mm	\	22.38	23.5	0.071	**0.09**	0.04	**0.05**	-0.1
0	Head	LTE Band71	133372	688	50RB-Mid	Tilt Right	0mm	\	22.38	23.5	0.119	**0.15**	0.063	**0.08**	0.05
0	Body	LTE Band71	133372	688	1RB-Low	Front	15mm	\	23.29	24.5	<0.01	<0.01	<0.01	<0.01	\
0	Body	LTE Band71	133372	688	1RB-Low	Rear	15mm	\	23.29	24.5	0.084	**0.11**	0.051	**0.07**	-0.07
0	Body	LTE Band71	133372	688	50RB-Mid	Front	15mm	\	22.38	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Body	LTE Band71	133372	688	50RB-Mid	Rear	15mm	\	22.38	23.5	0.053	**0.07**	0.029	**0.04**	-0.1
0	Body	LTE Band71	133372	688	1RB-Low	Front	10mm	\	23.29	24.5	0.063	**0.08**	0.036	**0.05**	0.07
0	Body	LTE Band71	133372	688	1RB-Low	Rear	10mm	32	23.29	24.5	0.174	**0.23**	0.1	**0.13**	-0.01
0	Body	LTE Band71	133372	688	1RB-Low	Left	10mm	\	23.29	24.5	0.035	**0.05**	0.021	**0.03**	0.03
0	Body	LTE Band71	133372	688	1RB-Low	Top	10mm	\	23.29	24.5	0.153	**0.20**	0.084	**0.11**	0.08
0	Body	LTE Band71	133372	688	50RB-Mid	Front	10mm	\	22.38	23.5	0.044	**0.06**	0.025	**0.03**	-0.03
0	Body	LTE Band71	133372	688	50RB-Mid	Rear	10mm	\	22.38	23.5	0.11	**0.14**	0.058	**0.08**	-0.02
0	Body	LTE Band71	133372	688	50RB-Mid	Left	10mm	\	22.38	23.5	0.024	**0.03**	0.015	**0.02**	-0.17
0	Body	LTE Band71	133372	688	50RB-Mid	Top	10mm	\	22.38	23.5	0.123	**0.16**	0.068	**0.09**	0.11

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ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
3	Head	LTE Band2	18700	1860	1RB-Low	Cheek Left	0mm	33	23.75	24	0.026	0.03	0.015	**0.02**	0.18
3	Head	LTE Band2	18700	1860	1RB-Low	Tilt Left	0mm	\	23.75	24	0.015	**0.02**	0.011	**0.01**	0.07
3	Head	LTE Band2	18700	1860	1RB-Low	Cheek Right	0mm	\	23.75	24	0.018	**0.02**	0.014	**0.01**	0.04
3	Head	LTE Band2	18700	1860	1RB-Low	Tilt Right	0mm	\	23.75	24	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band2	18700	1860	50RB-Low	Cheek Left	0mm	\	22.61	23	0.018	**0.02**	0.015	**0.02**	0.02
3	Head	LTE Band2	18700	1860	50RB-Low	Tilt Left	0mm	\	22.61	23	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band2	18700	1860	50RB-Low	Cheek Right	0mm	\	22.61	23	0.013	**0.01**	0.008	**0.01**	-0.07
3	Head	LTE Band2	18700	1860	50RB-Low	Tilt Right	0mm	\	22.61	23	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band2	18700	1860	1RB-Low	Front	15mm	\	23.75	24	0.05	**0.05**	0.037	**0.04**	0.02
3	Body	LTE Band2	18700	1860	1RB-Low	Rear	15mm	\	23.75	24	0.135	**0.14**	0.084	**0.09**	-0.01
3	Body	LTE Band2	18700	1860	50RB-Low	Front	15mm	\	22.61	23	0.039	**0.04**	0.028	**0.03**	0.07
3	Body	LTE Band2	18700	1860	50RB-Low	Rear	15mm	\	22.61	23	0.091	**0.10**	0.062	**0.07**	-0.05
3	Body	LTE Band2	18700	1860	1RB-Low	Front	10mm	\	23.75	24	0.093	**0.10**	0.056	**0.06**	0.09
3	Body	LTE Band2	18700	1860	1RB-Low	Rear	10mm	34	23.75	24	0.282	0.30	0.156	**0.17**	0.12
3	Body	LTE Band2	18700	1860	1RB-Low	Left	10mm	\	23.75	24	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band2	18700	1860	1RB-Low	Right	10mm	\	23.75	24	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band2	18700	1860	1RB-Low	Bottom	10mm	\	23.75	24	0.269	**0.28**	0.146	**0.15**	0.05
3	Body	LTE Band2	18700	1860	50RB-Low	Front	10mm	\	22.61	23	0.073	**0.08**	0.044	**0.05**	0.04
3	Body	LTE Band2	18700	1860	50RB-Low	Rear	10mm	\	22.61	23	0.196	**0.21**	0.105	**0.11**	0.17
3	Body	LTE Band2	18700	1860	50RB-Low	Left	10mm	\	22.61	23	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band2	18700	1860	50RB-Low	Right	10mm	\	22.61	23	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band2	18700	1860	50RB-Low	Bottom	10mm	\	22.61	23	0.141	**0.15**	0.075	**0.08**	0.02
3	Head	LTE Band7	21100	2535	1RB-Mid	Cheek Left	0mm	35	23.86	24	0.022	0.02	0.021	**0.02**	0.06
3	Head	LTE Band7	21100	2535	1RB-Mid	Tilt Left	0mm	\	23.86	24	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band7	21100	2535	1RB-Mid	Cheek Right	0mm	\	23.86	24	0.018	**0.02**	0.016	**0.02**	0.13
3	Head	LTE Band7	21100	2535	1RB-Mid	Tilt Right	0mm	\	23.86	24	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band7	21100	2535	50RB-Mid	Cheek Left	0mm	\	22.83	23	0.015	**0.02**	0.013	**0.01**	0.07
3	Head	LTE Band7	21100	2535	50RB-Mid	Tilt Left	0mm	\	22.83	23	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band7	21100	2535	50RB-Mid	Cheek Right	0mm	\	22.83	23	0.011	**0.01**	0.007	**0.01**	-0.07
3	Head	LTE Band7	21100	2535	50RB-Mid	Tilt Right	0mm	\	22.83	23	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band7	21100	2535	1RB-Mid	Front	15mm	\	22.71	23	0.027	**0.03**	0.01	**0.01**	0.04
3	Body	LTE Band7	21100	2535	1RB-Mid	Rear	15mm	\	22.71	23	0.062	**0.07**	0.033	**0.04**	0.01
3	Body	LTE Band7	21100	2535	50RB-Mid	Front	15mm	\	22.68	23	0.018	**0.02**	0.007	**0.01**	-0.12
3	Body	LTE Band7	21100	2535	50RB-Mid	Rear	15mm	\	22.68	23	0.059	**0.06**	0.03	**0.03**	0.02
3	Body	LTE Band7	21100	2535	1RB-Mid	Front	10mm	\	21.75	22	0.044	**0.05**	0.023	**0.02**	0.08
3	Body	LTE Band7	21100	2535	1RB-Mid	Rear	10mm	\	21.75	22	0.126	**0.13**	0.06	**0.06**	0.05
3	Body	LTE Band7	21100	2535	1RB-Mid	Left	10mm	\	21.75	22	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band7	21100	2535	1RB-Mid	Right	10mm	\	21.75	22	0.038	**0.04**	0.012	**0.01**	0.03
3	Body	LTE Band7	21100	2535	1RB-Mid	Bottom	10mm	36	21.75	22	0.136	0.14	0.069	**0.07**	-0.10
3	Body	LTE Band7	21100	2535	50RB-Mid	Front	10mm	\	21.76	22	0.04	**0.04**	0.021	**0.02**	0.05
3	Body	LTE Band7	21100	2535	50RB-Mid	Rear	10mm	\	21.76	22	0.115	**0.12**	0.057	**0.06**	-0.02
3	Body	LTE Band7	21100	2535	50RB-Mid	Left	10mm	\	21.76	22	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band7	21100	2535	50RB-Mid	Right	10mm	\	21.76	22	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band7	21100	2535	50RB-Mid	Bottom	10mm	\	21.76	22	0.089	**0.09**	0.042	**0.04**	-0.11
3	Head	LTE Band66	132572	1770	1RB-Mid	Cheek Left	0mm	37	23.94	24.5	0.016	0.02	0.015	**0.02**	0.04
3	Head	LTE Band66	132572	1770	1RB-Mid	Tilt Left	0mm	\	23.94	24.5	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band66	132572	1770	1RB-Mid	Cheek Right	0mm	\	23.94	24.5	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band66	132572	1770	1RB-Mid	Tilt Right	0mm	\	23.94	24.5	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band66	132572	1770	50RB-Mid	Cheek Left	0mm	\	22.96	23.5	0.012	**0.01**	0.01	**0.01**	0.15
3	Head	LTE Band66	132572	1770	50RB-Mid	Tilt Left	0mm	\	22.96	23.5	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band66	132572	1770	50RB-Mid	Cheek Right	0mm	\	22.96	23.5	<0.01	<0.01	<0.01	<0.01	\
3	Head	LTE Band66	132572	1770	50RB-Mid	Tilt Right	0mm	\	22.96	23.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	1RB-Mid	Front	15mm	\	23.94	24.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	1RB-Mid	Rear	15mm	\	23.94	24.5	0.053	**0.06**	0.035	**0.04**	-0.07
3	Body	LTE Band66	132572	1770	50RB-Mid	Front	15mm	\	22.96	23.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	50RB-Mid	Rear	15mm	\	22.96	23.5	0.043	**0.05**	0.028	**0.03**	0.03
3	Body	LTE Band66	132572	1770	1RB-Mid	Front	10mm	\	23.94	24.5	0.045	**0.05**	0.028	**0.03**	0.06
3	Body	LTE Band66	132572	1770	1RB-Mid	Rear	10mm	\	23.94	24.5	0.119	**0.14**	0.07	**0.08**	-0.02
3	Body	LTE Band66	132572	1770	1RB-Mid	Left	10mm	\	23.94	24.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	1RB-Mid	Right	10mm	\	23.94	24.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	1RB-Mid	Bottom	10mm	38	23.94	24.5	0.132	0.15	0.074	**0.08**	0.04
3	Body	LTE Band66	132572	1770	50RB-Mid	Front	10mm	\	22.96	23.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	50RB-Mid	Rear	10mm	\	22.96	23.5	0.094	**0.11**	0.056	**0.06**	-0.07
3	Body	LTE Band66	132572	1770	50RB-Mid	Left	10mm	\	22.96	23.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	50RB-Mid	Right	10mm	\	22.96	23.5	<0.01	<0.01	<0.01	<0.01	\
3	Body	LTE Band66	132572	1770	50RB-Mid	Bottom	10mm	\	22.96	23.5	0.101	**0.11**	0.046	**0.05**	0.08

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11.2 SAR results for 5G NR

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	Head	n2	376000	1880	DFT-s-OFDM QPSK	Cheek Left	0mm	39	19.1	20	0.521	**0.64**	0.254	**0.31**	0.1
2	Head	n2	376000	1880	DFT-s-OFDM QPSK	Tilt Left	0mm	\	19.1	20	0.159	**0.20**	0.092	**0.11**	0.04
2	Head	n2	376000	1880	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.1	20	0.186	**0.23**	0.111	**0.14**	0.02
2	Head	n2	376000	1880	DFT-s-OFDM QPSK	Tilt Right	0mm	\	19.1	20	0.11	**0.14**	0.068	**0.08**	0.06
2	Body	n2	376000	1880	DFT-s-OFDM QPSK	Front	15mm	\	23.08	24	0.077	**0.10**	0.046	**0.06**	0.02
2	Body	n2	376000	1880	DFT-s-OFDM QPSK	Rear	15mm	\	23.08	24	0.235	**0.29**	0.131	**0.16**	0.06
2	Body	n2	376000	1880	DFT-s-OFDM QPSK	Front	10mm	\	23.08	24	0.155	**0.19**	0.086	**0.11**	-0.08
2	Body	n2	376000	1880	DFT-s-OFDM QPSK	Rear	10mm	40	23.08	24	0.474	**0.59**	0.244	**0.30**	-0.03
2	Body	n2	376000	1880	DFT-s-OFDM QPSK	Right	10mm	\	23.08	24	0.446	**0.55**	0.234	**0.29**	0.02
2	Body	n2	376000	1880	DFT-s-OFDM QPSK	Top	10mm	\	23.08	24	0.047	**0.06**	0.028	**0.03**	0.06
3	Head	n2	376000	1880	DFT-s-OFDM QPSK	Cheek Left	0mm	41	22.65	24	0.012	**0.02**	0.008	**0.01**	0.01
3	Head	n2	376000	1880	DFT-s-OFDM QPSK	Tilt Left	0mm	\	22.65	24	<0.01	<0.01	<0.01	<0.01	\
3	Head	n2	376000	1880	DFT-s-OFDM QPSK	Cheek Right	0mm	\	22.65	24	0.008	**0.01**	0.005	**0.01**	0.15
3	Head	n2	376000	1880	DFT-s-OFDM QPSK	Tilt Right	0mm	\	22.65	24	<0.01	<0.01	<0.01	<0.01	\
3	Body	n2	376000	1880	DFT-s-OFDM QPSK	Front	15mm	\	22.65	24	0.04	**0.05**	0.023	**0.03**	0.12
3	Body	n2	376000	1880	DFT-s-OFDM QPSK	Rear	15mm	\	22.65	24	0.1	**0.14**	0.056	**0.08**	-0.04
3	Body	n2	376000	1880	DFT-s-OFDM QPSK	Front	10mm	\	22.65	24	0.07	**0.10**	0.04	**0.05**	0.06
3	Body	n2	376000	1880	DFT-s-OFDM QPSK	Rear	10mm	42	22.65	24	0.203	**0.28**	0.107	**0.15**	-0.08
3	Body	n2	376000	1880	DFT-s-OFDM QPSK	Right	10mm	\	22.65	24	<0.01	<0.01	<0.01	<0.01	\
3	Body	n2	376000	1880	DFT-s-OFDM QPSK	Bottom	10mm	\	22.65	24	0.166	**0.23**	0.087	**0.12**	0.02
1	Head	n5	167300	836.5	DFT-s-OFDM QPSK	Cheek Left	0mm	43	23.44	24	0.052	**0.06**	0.043	**0.05**	-0.09
1	Head	n5	167300	836.5	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.44	24	<0.01	<0.01	<0.01	<0.01	\
1	Head	n5	167300	836.5	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.44	24	0.033	**0.04**	0.021	**0.02**	-0.02
1	Head	n5	167300	836.5	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.44	24	<0.01	<0.01	<0.01	<0.01	\
1	Body	n5	167300	836.5	DFT-s-OFDM QPSK	Front	15mm	\	23.44	24	0.064	**0.07**	0.035	**0.04**	-0.12
1	Body	n5	167300	836.5	DFT-s-OFDM QPSK	Rear	15mm	\	23.44	24	0.108	**0.12**	0.07	**0.08**	0.09
1	Body	n5	167300	836.5	DFT-s-OFDM QPSK	Front	10mm	\	23.44	24	0.071	**0.08**	0.047	**0.05**	0.04
1	Body	n5	167300	836.5	DFT-s-OFDM QPSK	Rear	10mm	44	23.44	24	0.187	**0.21**	0.114	**0.13**	0.01
1	Body	n5	167300	836.5	DFT-s-OFDM QPSK	Left	10mm	\	23.44	24	0.078	**0.09**	0.044	**0.05**	0.01
1	Body	n5	167300	836.5	DFT-s-OFDM QPSK	Bottom	10mm	\	23.44	24	0.064	**0.07**	0.039	**0.04**	-0.01
4	Head	n7	507000	2535	DFT-s-OFDM QPSK	Cheek Left	0mm	45	20.05	21	0.302	**0.38**	0.165	**0.21**	0.05
4	Head	n7	507000	2535	DFT-s-OFDM QPSK	Tilt Left	0mm	\	20.05	21	0.043	**0.05**	0.028	**0.03**	-0.09
4	Head	n7	507000	2535	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.05	21	0.248	**0.31**	0.156	**0.19**	0.08
4	Head	n7	507000	2535	DFT-s-OFDM QPSK	Tilt Right	0mm	\	20.05	21	0.077	**0.10**	0.051	**0.06**	0.03
4	Body	n7	507000	2535	DFT-s-OFDM QPSK	Front	15mm	\	22.06	23	0.137	**0.17**	0.076	**0.09**	0.03
4	Body	n7	507000	2535	DFT-s-OFDM QPSK	Rear	15mm	\	22.06	23	0.21	**0.26**	0.122	**0.15**	-0.01
4	Body	n7	507000	2535	DFT-s-OFDM QPSK	Front	10mm	\	21.1	22	0.157	**0.19**	0.096	**0.12**	0.12
4	Body	n7	507000	2535	DFT-s-OFDM QPSK	Rear	10mm	\	21.1	22	0.298	**0.37**	0.164	**0.20**	-0.04
4	Body	n7	513500	2567.5	DFT-s-OFDM QPSK	Left	10mm	46	21.1	22	0.399	**0.49**	0.193	**0.24**	-0.07
3	Head	n7	507000	2535	DFT-s-OFDM QPSK	Cheek Left	0mm	47	22.71	24	0.009	**0.01**	0.004	**0.01**	-0.01
3	Head	n7	507000	2535	DFT-s-OFDM QPSK	Tilt Left	0mm	\	22.71	24	<0.01	<0.01	<0.01	<0.01	\
3	Head	n7	507000	2535	DFT-s-OFDM QPSK	Cheek Right	0mm	\	22.71	24	0.007	**0.01**	0.003	**0.00**	0.05
3	Head	n7	507000	2535	DFT-s-OFDM QPSK	Tilt Right	0mm	\	22.71	24	<0.01	<0.01	<0.01	<0.01	\
3	Body	n7	507000	2535	DFT-s-OFDM QPSK	Front	15mm	\	21.69	23	0.029	**0.04**	0.015	**0.02**	0.05
3	Body	n7	507000	2535	DFT-s-OFDM QPSK	Rear	15mm	\	21.69	23	0.068	**0.09**	0.034	**0.05**	0.04
3	Body	n7	507000	2535	DFT-s-OFDM QPSK	Front	10mm	\	20.69	22	0.05	**0.07**	0.026	**0.04**	-0.04
3	Body	n7	507000	2535	DFT-s-OFDM QPSK	Rear	10mm	48	20.69	22	0.112	**0.15**	0.053	**0.07**	0.01
3	Body	n7	513500	2567.5	DFT-s-OFDM QPSK	Right	10mm	\	20.69	22	<0.01	<0.01	<0.01	<0.01	\
3	Body	n7	507000	2535	DFT-s-OFDM QPSK	Bottom	10mm	\	20.69	22	0.077	**0.10**	0.036	**0.05**	-0.02
1	Head	n12	141500	707.5	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.06	24.5	0.025	**0.03**	0.019	**0.03**	0.08
1	Head	n12	141500	707.5	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.06	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	n12	141500	707.5	DFT-s-OFDM QPSK	Cheek Right	0mm	49	23.06	24.5	0.029	**0.04**	0.023	**0.03**	-0.01
1	Head	n12	141500	707.5	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.06	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	n12	141500	707.5	DFT-s-OFDM QPSK	Front	15mm	\	23.06	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	n12	141500	707.5	DFT-s-OFDM QPSK	Rear	15mm	\	23.06	24.5	0.056	**0.08**	0.036	**0.05**	0.06
1	Body	n12	141500	707.5	DFT-s-OFDM QPSK	Front	10mm	\	23.06	24.5	0.045	**0.06**	0.029	**0.04**	-0.04
1	Body	n12	141500	707.5	DFT-s-OFDM QPSK	Rear	10mm	50	23.06	24.5	0.109	**0.15**	0.068	**0.09**	0.03
1	Body	n12	141500	707.5	DFT-s-OFDM QPSK	Left	10mm	\	23.06	24.5	0.077	**0.11**	0.041	**0.06**	0.12
1	Body	n12	141500	707.5	DFT-s-OFDM QPSK	Bottom	10mm	\	23.06	24.5	0.044	**0.06**	0.026	**0.04**	0.02

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ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
4	Head	n41	518598	2592.99	DFT-s-OFDM QPSK	Cheek Left	0mm	\	21.75	22	0.467	**0.49**	0.249	**0.26**	0.06
4	Head	n41	518598	2592.99	DFT-s-OFDM QPSK	Tilt Left	0mm	\	21.75	22	0.111	**0.12**	0.063	**0.07**	0.11
4	Head	n41	518598	2592.99	DFT-s-OFDM QPSK	Cheek Right	0mm	51	21.75	22	0.709	**0.75**	0.368	**0.39**	-0.03
4	Head	n41	518598	2592.99	DFT-s-OFDM QPSK	Tilt Right	0mm		21.75	22	0.22	**0.23**	0.124	**0.13**	-0.1
4	Body	n41	518598	2592.99	DFT-s-OFDM QPSK	Front	15mm	\	22.62	23	0.137	**0.15**	0.079	**0.09**	0.03
4	Body	n41	518598	2592.99	DFT-s-OFDM QPSK	Rear	15mm	\	22.62	23	0.254	**0.28**	0.142	**0.15**	-0.16
4	Body	n41	518598	2592.99	DFT-s-OFDM QPSK	Front	10mm	\	22.62	23	0.306	**0.33**	0.163	**0.18**	-0.01
4	Body	n41	518598	2592.99	DFT-s-OFDM QPSK	Rear	10mm	52	22.62	23	0.57	**0.62**	0.296	**0.32**	0.02
4	Body	n41	528000	2592.99	DFT-s-OFDM QPSK	Left	10mm	\	22.62	23	0.541	**0.59**	0.257	**0.28**	0.02
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Cheek Left	0mm	\	21.89	22	0.324	**0.33**	0.148	**0.15**	0.03
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Tilt Left	0mm	\	21.89	22	0.265	**0.27**	0.116	**0.12**	-0.06
7	Head	n48	646332	3694.98	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.89	22	0.75	**0.77**	0.292	**0.30**	-0.08
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Cheek Right	0mm	53	21.89	22	0.912	**0.94**	0.382	**0.39**	0.04
7	Head	n48	637000	3555	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.89	22	0.763	**0.78**	0.307	**0.31**	0.05
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Tilt Right	0mm	\	21.89	22	0.458	**0.47**	0.199	**0.20**	0.09
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Cheek Left	0mm	Note1	19.85	20	0.155	**0.16**	0.067	**0.07**	-0.05
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Tilt Left	0mm	Note1	19.85	20	0.133	**0.14**	0.055	**0.06**	-0.02
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Cheek Right	0mm	Note1	19.85	20	0.604	**0.63**	0.241	**0.25**	0.01
7	Head	n48	641666	3624.99	DFT-s-OFDM QPSK	Tilt Right	0mm	Note1	19.85	20	0.252	**0.26**	0.111	**0.11**	0.11
7	Body	n48	641666	3624.99	DFT-s-OFDM QPSK	Front	15mm	\	23.89	24	0.139	**0.14**	0.071	**0.07**	0.07
7	Body	n48	641666	3624.99	DFT-s-OFDM QPSK	Rear	15mm	\	23.89	24	0.284	**0.29**	0.134	**0.14**	0.03
7	Body	n48	641666	3624.99	DFT-s-OFDM QPSK	Front	10mm	\	23.89	24	0.364	**0.37**	0.192	**0.20**	0.02
7	Body	n48	641666	3624.99	DFT-s-OFDM QPSK	Rear	10mm	\	23.89	24	0.4	**0.41**	0.195	**0.20**	-0.04
7	Body	n48	641666	3624.99	DFT-s-OFDM QPSK	Left	10mm	54	23.89	24	0.506	**0.52**	0.237	**0.24**	-0.12
7	Body	n48	641666	3624.99	DFT-s-OFDM QPSK	Top	10mm	\	23.89	24	0.184	**0.19**	0.095	**0.10**	0.05
2	Head	n66	349000	1745	DFT-s-OFDM QPSK	Cheek Left	0mm	55	19.61	20.5	0.484	**0.59**	0.234	**0.29**	0.08
2	Head	n66	349000	1745	DFT-s-OFDM QPSK	Tilt Left	0mm	\	19.61	20.5	0.141	**0.17**	0.077	**0.09**	0.02
2	Head	n66	349000	1745	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.61	20.5	0.134	**0.16**	0.081	**0.10**	0.07
2	Head	n66	349000	1745	DFT-s-OFDM QPSK	Tilt Right	0mm	\	19.61	20.5	0.075	**0.09**	0.046	**0.06**	0.04
2	Body	n66	349000	1745	DFT-s-OFDM QPSK	Front	15mm	\	21.09	22	0.081	**0.10**	0.046	**0.06**	0.05
2	Body	n66	349000	1745	DFT-s-OFDM QPSK	Rear	15mm	\	21.09	22	0.227	**0.28**	0.123	**0.15**	-0.01
2	Body	n66	349000	1745	DFT-s-OFDM QPSK	Front	10mm	\	21.09	22	0.152	**0.19**	0.086	**0.11**	0.03
2	Body	n66	349000	1745	DFT-s-OFDM QPSK	Rear	10mm	\	21.09	22	0.475	**0.59**	0.243	**0.30**	-0.03
2	Body	n66	349000	1745	DFT-s-OFDM QPSK	Right	10mm	56	21.09	22	0.513	**0.63**	0.261	**0.32**	0.01
2	Body	n66	349000	1745	DFT-s-OFDM QPSK	Top	10mm	\	21.09	22	0.057	**0.07**	0.034	**0.04**	0.06
0	Head	n71	136100	680.5	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.10	24	0.082	**0.10**	0.05	**0.06**	-0.05
0	Head	n71	136100	680.5	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.10	24	0.09	**0.11**	0.055	**0.07**	0.01
0	Head	n71	136100	680.5	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.10	24	0.059	**0.07**	0.039	**0.05**	0.09
0	Head	n71	136100	680.5	DFT-s-OFDM QPSK	Tilt Right	0mm	57	23.10	24	0.108	**0.13**	0.063	**0.08**	0.03
0	Body	n71	136100	680.5	DFT-s-OFDM QPSK	Front	15mm	\	23.10	24	0.024	**0.03**	0.013	**0.02**	0.01
0	Body	n71	136100	680.5	DFT-s-OFDM QPSK	Rear	15mm	\	23.10	24	0.064	**0.08**	0.041	**0.05**	-0.07
0	Body	n71	136100	680.5	DFT-s-OFDM QPSK	Front	10mm	\	23.10	24	0.05	**0.06**	0.031	**0.04**	-0.06
0	Body	n71	136100	680.5	DFT-s-OFDM QPSK	Rear	10mm	58	23.10	24	0.138	**0.17**	0.08	**0.10**	0.12
0	Body	n71	136100	680.5	DFT-s-OFDM QPSK	Left	10mm	\	23.10	24	0.026	**0.03**	0.015	**0.02**	0.02
0	Body	n71	136100	680.5	DFT-s-OFDM QPSK	Top	10mm	\	23.10	24	0.126	**0.16**	0.073	**0.09**	0.04
7	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	\	20.68	21	0.321	**0.35**	0.138	**0.15**	0.09
7	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	\	20.68	21	0.245	**0.26**	0.106	**0.11**	0.04
7	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	59	20.68	21	0.665	**0.72**	0.285	**0.31**	-0.08
7	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	\	20.68	21	0.318	**0.34**	0.133	**0.14**	0.12
7	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Front	15mm	\	20.68	21	0.11	**0.12**	0.066	**0.07**	0.04
7	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Rear	15mm	\	20.68	21	0.134	**0.14**	0.07	**0.08**	0.03
7	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	\	20.68	21	0.143	**0.15**	0.078	**0.08**	0.09
7	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	\	20.68	21	0.14	**0.15**	0.068	**0.07**	0.01
7	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Left	10mm	60	20.68	21	0.237	**0.26**	0.117	**0.13**	-0.07
7	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	\	20.68	21	0.081	**0.09**	0.041	**0.04**	0.05
2	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	61	20.46	21	0.052	**0.06**	0.018	**0.02**	0.02
2	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	\	20.46	21	0.048	**0.05**	0.015	**0.02**	0.03
2	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.46	21	<0.01	<0.01	<0.01	<0.01	\
2	Head	n78L	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	\	20.46	21	<0.01	<0.01	<0.01	<0.01	\
2	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Front	15mm	\	20.46	21	<0.01	<0.01	<0.01	<0.01	\
2	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Rear	15mm	\	20.46	21	<0.01	<0.01	<0.01	<0.01	\
2	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	\	20.46	21	0.01	**0.01**	0.004	**0.00**	0.05
2	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	62	20.46	21	0.012	**0.01**	0.005	**0.01**	0.03
2	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Right	10mm	\	20.46	21	<0.01	<0.01	<0.01	<0.01	\
2	Body	n78L	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	\	20.46	21	0.009	**0.01**	0.004	**0.00**	-0.11

Note1: The data is used for ENDC.

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11.3 SAR results for WLAN

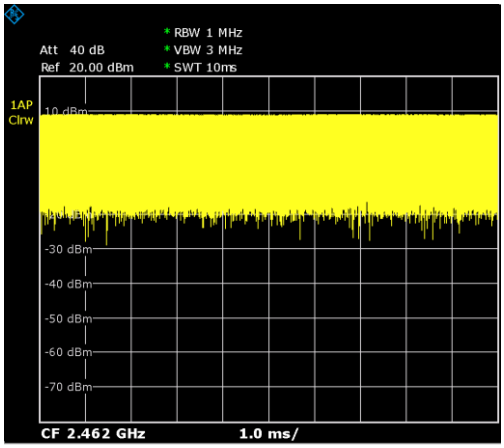
The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default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

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

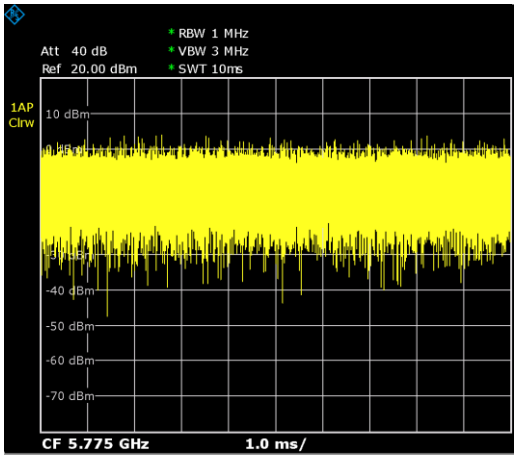
SAR Test reduction was applied from KDB 248227 guidance, when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest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

Duty factor plot

CH11



CH155



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WIFI 2.4G

ANT	RF Exposure Condition	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Left	0mm	\	20.45	21	100.00%	0.362	**0.41**	0.187	**0.21**	0.16
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Left	0mm	63	20.45	21	100.00%	0.471	**0.53**	0.223	**0.25**	-0.02
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Right	0mm	\	20.45	21	100.00%	0.128	**0.15**	0.073	**0.08**	0.03
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Right	0mm	\	20.45	21	100.00%	0.198	**0.22**	0.104	**0.12**	-0.1
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Left	0mm	Note1	17.42	18	100.00%	0.163	**0.19**	0.081	**0.09**	-0.03
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Left	0mm	Note1	17.42	18	100.00%	0.236	**0.27**	0.111	**0.13**	0.02
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Right	0mm	Note1	17.42	18	100.00%	0.069	**0.08**	0.038	**0.04**	0.14
8	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Right	0mm	Note1	17.42	18	100.00%	0.124	**0.14**	0.06	**0.07**	-0.07
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Front	15mm	\	20.45	21	100.00%	0.063	**0.07**	0.028	**0.03**	0.07
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Rear	15mm	\	20.45	21	100.00%	0.086	**0.10**	0.045	**0.05**	-0.01
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Front	15mm	Note1	17.55	18	100.00%	0.042	**0.05**	0.019	**0.02**	0.03
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Rear	15mm	Note1	17.55	18	100.00%	0.066	**0.07**	0.032	**0.04**	-0.05
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Front	10mm	\	20.45	21	100.00%	0.09	**0.10**	0.048	**0.05**	0.05
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Rear	10mm	64	20.45	21	100.00%	0.27	**0.31**	0.127	**0.14**	0.02
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Right	10mm	\	20.45	21	100.00%	0.044	**0.05**	0.023	**0.03**	-0.12
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Top	10mm	\	20.45	21	100.00%	0.203	**0.23**	0.103	**0.12**	0.03
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Front	10mm	Note1	17.55	18	100.00%	0.062	**0.07**	0.029	**0.03**	0.08
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Rear	10mm	Note1	17.55	18	100.00%	0.127	**0.14**	0.06	**0.07**	0.01
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Right	10mm	Note1	17.55	18	100.00%	<0.01	<0.01	<0.01	<0.01	\
8	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Top	10mm	Note1	17.55	18	100.00%	0.094	**0.10**	0.045	**0.05**	-0.03
9	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Cheek Left	0mm	65	20.47	21	100.00%	0.076	**0.09**	0.036	**0.04**	0.06
9	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Tilt Left	0mm	\	20.47	21	100.00%	0.026	**0.03**	0.015	**0.02**	-0.08
9	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Cheek Right	0mm	\	20.47	21	100.00%	0.043	**0.05**	0.025	**0.03**	0.02
9	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Tilt Right	0mm	\	20.47	21	100.00%	0.017	**0.02**	0.011	**0.01**	-0.11
9	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Front	15mm	\	20.47	21	100.00%	<0.01	<0.01	<0.01	<0.01	\
9	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Rear	15mm	\	20.47	21	100.00%	<0.01	<0.01	<0.01	<0.01	\
9	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Front	10mm	\	20.47	21	100.00%	<0.01	<0.01	<0.01	<0.01	\
9	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Rear	10mm	66	20.47	21	100.00%	0.029	**0.03**	0.016	**0.02**	-0.01
9	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Right	10mm	\	20.47	21	100.00%	0.02	**0.02**	0.005	**0.01**	0.06
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Cheek Left	0mm	\	23.21	23.5	100.00%	0.566	**0.61**	0.28	**0.30**	-0.09
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Tilt Left	0mm	67	23.21	23.5	100.00%	0.623	**0.67**	0.31	**0.33**	0.02
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Cheek Right	0mm	\	23.21	23.5	100.00%	0.301	**0.32**	0.163	**0.17**	0.04
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Tilt Right	0mm	\	23.21	23.5	100.00%	0.35	**0.37**	0.187	**0.20**	-0.01
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Cheek Left	0mm	Note1	20.25	20.5	100.00%	0.315	**0.33**	0.162	**0.17**	-0.08
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Tilt Left	0mm	Note1	20.25	20.5	100.00%	0.357	**0.38**	0.177	**0.19**	0.03
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Cheek Right	0mm	Note1	20.25	20.5	100.00%	0.167	**0.18**	0.095	**0.10**	0.01
MIMO	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Tilt Right	0mm	Note1	20.25	20.5	100.00%	0.195	**0.21**	0.109	**0.12**	-0.06
MIMO	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Front	15mm	\	23.21	23.5	100.00%	0.055	**0.06**	0.03	**0.03**	0.06
MIMO	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Rear	15mm	\	23.21	23.5	100.00%	0.146	**0.16**	0.074	**0.08**	-0.05
MIMO	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Front	10mm	\	23.21	23.5	100.00%	0.105	**0.11**	0.055	**0.06**	-0.05
MIMO	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Rear	10mm	68	23.21	23.5	100.00%	0.335	**0.36**	0.16	**0.17**	-0.02
MIMO	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Right	10mm	\	23.21	23.5	100.00%	0.057	**0.06**	0.03	**0.03**	0.05
MIMO	Body	WIFI2.4G	1	2412	WIFI 802.11b 1M	Top	10mm	\	23.21	23.5	100.00%	0.262	**0.28**	0.131	**0.14**	0.07

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WIFI 5G

ANT	RF Exposure Condition	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
6	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Cheek Left	0mm	69	18.55	19	100.00%	0.335	0.37	0.11	0.12	0.11
6	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Tilt Left	0mm	\	18.55	19	100.00%	0.323	0.36	0.101	0.11	-0.17
6	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Cheek Right	0mm	\	18.55	19	100.00%	0.084	0.09	0.029	0.03	-0.04
6	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Tilt Right	0mm	\	18.55	19	100.00%	0.107	0.12	0.037	0.04	-0.02
6	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Cheek Left	0mm	\	18.76	19	100.00%	0.24	0.25	0.069	0.07	-0.05
6	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Tilt Left	0mm	\	18.76	19	100.00%	0.294	0.31	0.076	0.08	0.01
6	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Cheek Right	0mm	\	18.76	19	100.00%	0.082	0.09	0.03	0.03	0.07
6	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Tilt Right	0mm	\	18.76	19	100.00%	0.118	0.12	0.043	0.05	0.1
6	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Cheek Left	0mm	\	18.43	19	100.00%	0.235	0.27	0.081	0.09	0.12
6	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Tilt Left	0mm	\	18.43	19	100.00%	0.269	0.31	0.08	0.09	-0.04
6	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Cheek Right	0mm	\	18.43	19	100.00%	0.094	0.11	0.031	0.04	-0.07
6	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Tilt Right	0mm	\	18.43	19	100.00%	0.113	0.13	0.038	0.04	0.17
6	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Front	15mm	\	18.55	19	100.00%	0.053	0.06	0.021	0.02	0.03
6	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Rear	15mm	\	18.55	19	100.00%	0.092	0.10	0.039	0.04	-0.12
6	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Front	15mm	\	18.76	19	100.00%	0.031	0.03	0.006	0.01	-0.1
6	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Rear	15mm	\	18.76	19	100.00%	0.062	0.07	0.022	0.02	-0.02
6	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Front	15mm	\	18.43	19	100.00%	0.041	0.05	0.008	0.01	0.03
6	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Rear	15mm	\	18.43	19	100.00%	0.056	0.06	0.021	0.02	-0.07
6	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Front	10mm	\	18.55	19	100.00%	0.08	0.09	0.03	0.03	0.13
6	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Rear	10mm	70	18.55	19	100.00%	0.178	0.20	0.072	0.08	-0.01
6	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Right	10mm	\	18.55	19	100.00%	0.071	0.08	0.029	0.03	0.02
6	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Top	10mm	\	18.55	19	100.00%	0.067	0.07	0.029	0.03	-0.07
6	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Front	10mm	\	18.76	19	100.00%	0.052	0.05	0.018	0.02	-0.13
6	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Rear	10mm	\	18.76	19	100.00%	0.139	0.15	0.052	0.05	-0.06
6	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Right	10mm	\	18.76	19	100.00%	0.053	0.06	0.016	0.02	-0.05
6	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Top	10mm	\	18.76	19	100.00%	0.069	0.07	0.026	0.03	-0.17
6	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Front	10mm	\	18.43	19	100.00%	0.053	0.06	0.018	0.02	0.12
6	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Rear	10mm	\	18.43	19	100.00%	0.168	0.19	0.062	0.07	-0.07
6	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Right	10mm	\	18.43	19	100.00%	0.057	0.06	0.02	0.02	-0.15
6	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Top	10mm	\	18.43	19	100.00%	0.072	0.08	0.03	0.03	-0.1
9	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Cheek Left	0mm	\	19.78	20	100.00%	0.143	0.15	0.058	0.06	-0.12
9	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Tilt Left	0mm	\	19.78	20	100.00%	0.17	0.18	0.057	0.06	-0.17
9	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Cheek Right	0mm	\	19.78	20	100.00%	0.062	0.07	0.022	0.02	-0.11
9	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Tilt Right	0mm	\	19.78	20	100.00%	0.066	0.07	0.025	0.03	0.04
9	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Cheek Left	0mm	\	19.95	20	100.00%	0.175	0.18	0.057	0.06	0.03
9	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Tilt Left	0mm	\	19.95	20	100.00%	0.168	0.17	0.053	0.05	0.13
9	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Cheek Right	0mm	\	19.95	20	100.00%	0.07	0.07	0.025	0.03	-0.17
9	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Tilt Right	0mm	\	19.95	20	100.00%	0.069	0.07	0.025	0.03	-0.16
9	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Cheek Left	0mm	\	19.78	20	100.00%	0.319	0.34	0.102	0.11	-0.02
9	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Tilt Left	0mm	71	19.78	20	100.00%	0.516	0.54	0.209	0.22	0.12
9	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Cheek Right	0mm	\	19.78	20	100.00%	0.088	0.09	0.035	0.04	-0.18
9	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Tilt Right	0mm	\	19.78	20	100.00%	0.111	0.12	0.041	0.04	-0.06
9	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Front	15mm	\	19.78	20	100.00%	0.052	0.05	0.025	0.03	0.16
9	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Rear	15mm	\	19.78	20	100.00%	0.069	0.07	0.027	0.03	0.1
9	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Front	15mm	\	19.95	20	100.00%	0.053	0.05	0.02	0.02	0.02
9	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Rear	15mm	\	19.95	20	100.00%	0.068	0.07	0.025	0.03	0.18
9	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Front	15mm	\	19.78	20	100.00%	0.086	0.09	0.032	0.03	0.01
9	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Rear	15mm	\	19.78	20	100.00%	0.115	0.12	0.065	0.07	-0.09
9	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Front	10mm	\	19.78	20	100.00%	0.121	0.13	0.029	0.03	-0.02
9	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Rear	10mm	\	19.78	20	100.00%	0.152	0.16	0.037	0.04	0.16
9	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Right	10mm	\	19.78	20	100.00%	0.067	0.07	0.022	0.02	-0.13
9	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Front	10mm	\	19.95	20	100.00%	0.153	0.15	0.038	0.04	0.15
9	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Rear	10mm	72	19.95	20	100.00%	0.197	0.20	0.066	0.07	-0.12
9	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Right	10mm	\	19.95	20	100.00%	0.041	0.04	0.018	0.02	-0.08
9	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Front	10mm	\	19.78	20	100.00%	0.082	0.09	0.035	0.04	0.11
9	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Rear	10mm	\	19.78	20	100.00%	0.19	0.20	0.088	0.09	-0.03
9	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Right	10mm	\	19.78	20	100.00%	0.104	0.11	0.05	0.05	0.08
MIMO	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Cheek Left	0mm	73	22.22	22.5	100.00%	0.366	0.39	0.12	0.13	-0.07
MIMO	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Tilt Left	0mm	\	22.22	22.5	100.00%	0.345	0.37	0.101	0.11	0.06
MIMO	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Cheek Right	0mm	\	22.22	22.5	100.00%	0.13	0.14	0.04	0.04	-0.15
MIMO	Head	WIFI5G	64	5320	WIFI 802.11a 6M	Tilt Right	0mm	\	22.22	22.5	100.00%	0.147	0.16	0.044	0.05	0.1
MIMO	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Cheek Left	0mm	\	22.41	22.5	100.00%	0.338	0.35	0.114	0.12	0.04
MIMO	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Tilt Left	0mm	\	22.41	22.5	100.00%	0.275	0.28	0.091	0.09	0.07
MIMO	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Cheek Right	0mm	\	22.41	22.5	100.00%	0.118	0.12	0.039	0.04	-0.01
MIMO	Head	WIFI5G	104	5520	WIFI 802.11a 6M	Tilt Right	0mm	\	22.41	22.5	100.00%	0.154	0.16	0.048	0.05	-0.14
MIMO	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Cheek Left	0mm	\	22.17	22.5	100.00%	0.203	0.22	0.058	0.06	-0.07
MIMO	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Tilt Left	0mm	\	22.17	22.5	100.00%	0.207	0.22	0.06	0.06	0.13
MIMO	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Cheek Right	0mm	\	22.17	22.5	100.00%	0.102	0.11	0.03	0.03	0.15
MIMO	Head	WIFI5G	153	5765	WIFI 802.11a 6M	Tilt Right	0mm	\	22.17	22.5	100.00%	0.111	0.12	0.032	0.03	-0.13
MIMO	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Front	15mm	\	22.22	22.5	100.00%	0.099	0.11	0.042	0.04	0.03
MIMO	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Rear	15mm	\	22.22	22.5	100.00%	0.106	0.11	0.04	0.04	-0.14
MIMO	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Front	15mm	\	22.41	22.5	100.00%	0.066	0.07	0.021	0.02	-0.05
MIMO	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Rear	15mm	\	22.41	22.5	100.00%	0.102	0.10	0.042	0.04	-0.03
MIMO	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Front	15mm	\	22.17	22.5	100.00%	0.117	0.13	0.026	0.03	0.11
MIMO	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Rear	15mm	\	22.17	22.5	100.00%	0.206	0.22	0.077	0.08	-0.09
MIMO	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Front	10mm	\	22.22	22.5	100.00%	0.11	0.12	0.03	0.03	0.09
MIMO	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Rear	10mm	\	22.22	22.5	100.00%	0.146	0.16	0.061	0.07	-0.08
MIMO	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Right	10mm	\	22.22	22.5	100.00%	0.101	0.11	0.038	0.04	-0.18
MIMO	Body	WIFI5G	64	5320	WIFI 802.11a 6M	Top	10mm	\	22.22	22.5	100.00%	0.089	0.09	0.033	0.04	0.1
MIMO	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Front	10mm	\	22.41	22.5	100.00%	0.11	0.11	0.04	0.04	0.04
MIMO	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Rear	10mm	\	22.41	22.5	100.00%	0.22	0.22	0.087	0.09	0.05
MIMO	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Right	10mm	\	22.41	22.5	100.00%	0.095	0.10	0.032	0.03	0.16
MIMO	Body	WIFI5G	104	5520	WIFI 802.11a 6M	Top	10mm	\	22.41	22.5	100.00%	0.128	0.13	0.027	0.03	0.16
MIMO	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Front	10mm	\	22.17	22.5	100.00%	0.183	0.20	0.067	0.07	0.14
MIMO	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Rear	10mm	74	22.17	22.5	100.00%	0.345	0.37	0.134	0.14	-0.18
MIMO	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Right	10mm	\	22.17	22.5	100.00%	0.208	0.22	0.088	0.09	0.03
MIMO	Body	WIFI5G	153	5765	WIFI 802.11a 6M	Top	10mm	\	22.17	22.5	100.00%	0.161	0.17	0.07	0.08	-0.07

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WIFI 6E

ANT	RF Exposure Condition	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
6	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Cheek Left	0mm	\	10.39	10.5	100.00%	0.15	**0.15**	0.06	**0.06**	0.13
6	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Tilt Left	0mm	\	10.39	10.5	100.00%	0.173	**0.18**	0.064	**0.07**	-0.01
6	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Cheek Right	0mm	\	10.39	10.5	100.00%	0.061	**0.06**	0.021	**0.02**	-0.05
6	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Tilt Right	0mm	\	10.39	10.5	100.00%	0.12	**0.12**	0.044	**0.05**	0.01
6	Head	WIFI6E	93	6415	WIFI 802.11a 6M	Cheek Left	0mm	\	10.11	10.5	100.00%	0.31	**0.34**	0.073	**0.08**	0.11
6	Head	WIFI6E	93	6415	WIFI 802.11a 6M	Tilt Left	0mm	\	10.11	10.5	100.00%	0.392	**0.43**	0.094	**0.10**	0.04
6	Head	WIFI6E	93	6415	WIFI 802.11a 6M	Cheek Right	0mm	\	10.11	10.5	100.00%	0.277	**0.30**	0.061	**0.07**	-0.11
6	Head	WIFI6E	93	6415	WIFI 802.11a 6M	Tilt Right	0mm	\	10.11	10.5	100.00%	0.349	**0.38**	0.083	**0.09**	-0.08
6	Head	WIFI6E	109	6495	WIFI 802.11a 6M	Cheek Left	0mm	\	9.74	10.5	100.00%	0.303	**0.36**	0.076	**0.09**	-0.16
6	Head	WIFI6E	109	6495	WIFI 802.11a 6M	Tilt Left	0mm	\	9.74	10.5	100.00%	0.416	**0.50**	0.1	**0.12**	-0.13
6	Head	WIFI6E	109	6495	WIFI 802.11a 6M	Cheek Right	0mm	\	9.74	10.5	100.00%	0.221	**0.26**	0.052	**0.06**	0.07
6	Head	WIFI6E	109	6495	WIFI 802.11a 6M	Tilt Right	0mm	\	9.74	10.5	100.00%	0.351	**0.42**	0.083	**0.10**	-0.18
6	Head	WIFI6E	185	6875	WIFI 802.11a 6M	Cheek Left	0mm	\	9.91	10.5	100.00%	0.317	**0.36**	0.095	**0.11**	0.03
6	Head	WIFI6E	185	6875	WIFI 802.11a 6M	Tilt Left	0mm	\	9.91	10.5	100.00%	0.447	**0.51**	0.14	**0.16**	-0.01
6	Head	WIFI6E	185	6875	WIFI 802.11a 6M	Cheek Right	0mm	\	9.91	10.5	100.00%	0.344	**0.39**	0.108	**0.12**	0.04
6	Head	WIFI6E	185	6875	WIFI 802.11a 6M	Tilt Right	0mm	\	9.91	10.5	100.00%	0.41	**0.47**	0.128	**0.15**	0.1
6	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Cheek Left	0mm	\	9.94	10.5	100.00%	0.324	**0.37**	0.101	**0.11**	-0.09
6	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Tilt Left	0mm	75	9.94	10.5	100.00%	0.548	0.62	0.161	**0.18**	-0.01
6	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Cheek Right	0mm	\	9.94	10.5	100.00%	0.309	**0.35**	0.114	**0.13**	0.11
6	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Tilt Right	0mm	\	9.94	10.5	100.00%	0.454	**0.52**	0.162	**0.18**	0.06
6	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Front	15mm	\	10.39	10.5	100.00%	0.078	**0.08**	0.026	**0.03**	-0.01
6	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Rear	15mm	\	10.39	10.5	100.00%	0.13	**0.13**	0.069	**0.07**	0.05
6	Body	WIFI6E	93	6415	WIFI 802.11a 6M	Front	15mm	\	10.11	10.5	100.00%	0.05	**0.05**	0.01	**0.01**	0.03
6	Body	WIFI6E	93	6415	WIFI 802.11a 6M	Rear	15mm	\	10.11	10.5	100.00%	0.055	**0.06**	0.017	**0.02**	-0.02
6	Body	WIFI6E	109	6495	WIFI 802.11a 6M	Front	15mm	\	9.74	10.5	100.00%	0.06	**0.07**	0.01	**0.01**	0.01
6	Body	WIFI6E	109	6495	WIFI 802.11a 6M	Rear	15mm	\	9.74	10.5	100.00%	0.068	**0.08**	0.012	**0.01**	-0.01
6	Body	WIFI6E	185	6875	WIFI 802.11a 6M	Front	15mm	\	9.91	10.5	100.00%	0.011	**0.01**	0.001	**0.00**	0.01
6	Body	WIFI6E	185	6875	WIFI 802.11a 6M	Rear	15mm	\	9.91	10.5	100.00%	0.014	**0.02**	0.002	**0.00**	0.01
6	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Front	15mm	\	9.94	10.5	100.00%	0.086	**0.10**	0.029	**0.03**	0.02
6	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Rear	15mm	\	9.94	10.5	100.00%	0.098	**0.11**	0.033	**0.04**	-0.01
6	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Front	10mm	\	10.39	10.5	100.00%	0.127	**0.13**	0.044	**0.05**	-0.09
6	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Rear	10mm	76	10.39	10.5	100.00%	0.31	0.32	0.124	**0.13**	-0.08
6	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Right	10mm	\	10.39	10.5	100.00%	0.155	**0.16**	0.045	**0.05**	-0.06
6	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Top	10mm	\	10.39	10.5	100.00%	0.117	**0.12**	0.036	**0.04**	-0.14
6	Body	WIFI6E	93	6415	WIFI 802.11a 6M	Front	10mm	\	10.11	10.5	100.00%	0.054	**0.06**	0.015	**0.02**	-0.15
6	Body	WIFI6E	93	6415	WIFI 802.11a 6M	Rear	10mm	\	10.11	10.5	100.00%	0.065	**0.07**	0.024	**0.03**	0.05
6	Body	WIFI6E	93	6415	WIFI 802.11a 6M	Right	10mm	\	10.11	10.5	100.00%	0.039	**0.04**	0.01	**0.01**	-0.14
6	Body	WIFI6E	93	6415	WIFI 802.11a 6M	Top	10mm	\	10.11	10.5	100.00%	0.073	**0.08**	0.02	**0.02**	0.07
6	Body	WIFI6E	109	6495	WIFI 802.11a 6M	Front	10mm	\	9.74	10.5	100.00%	0.1	**0.12**	0.029	**0.03**	0.02
6	Body	WIFI6E	109	6495	WIFI 802.11a 6M	Rear	10mm	\	9.74	10.5	100.00%	0.096	**0.11**	0.042	**0.05**	0.06
6	Body	WIFI6E	109	6495	WIFI 802.11a 6M	Right	10mm	\	9.74	10.5	100.00%	0.075	**0.09**	0.02	**0.02**	0.07
6	Body	WIFI6E	109	6495	WIFI 802.11a 6M	Top	10mm	\	9.74	10.5	100.00%	0.107	**0.13**	0.03	**0.04**	0.17
6	Body	WIFI6E	185	6875	WIFI 802.11a 6M	Front	10mm	\	9.91	10.5	100.00%	0.118	**0.14**	0.022	**0.03**	-0.08
6	Body	WIFI6E	185	6875	WIFI 802.11a 6M	Rear	10mm	\	9.91	10.5	100.00%	0.166	**0.19**	0.053	**0.06**	-0.13
6	Body	WIFI6E	185	6875	WIFI 802.11a 6M	Right	10mm	\	9.91	10.5	100.00%	0.09	**0.10**	0.017	**0.02**	-0.1
6	Body	WIFI6E	185	6875	WIFI 802.11a 6M	Top	10mm	\	9.91	10.5	100.00%	0.172	**0.20**	0.056	**0.06**	-0.06
6	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Front	10mm	\	9.94	10.5	100.00%	0.1	**0.11**	0.035	**0.04**	0.07
6	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Rear	10mm	\	9.94	10.5	100.00%	0.161	**0.18**	0.053	**0.06**	0.05
6	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Right	10mm	\	9.94	10.5	100.00%	0.082	**0.09**	0.019	**0.02**	-0.09
6	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Top	10mm	\	9.94	10.5	100.00%	0.225	**0.26**	0.074	**0.08**	0.06
9	Head	WIFI6E	13	6015	WIFI 802.11a 6M	Cheek Left	0mm	\	8.96	9.5	100.00%	0.33	**0.37**	0.11	**0.12**	0.18
9	Head	WIFI6E	13	6015	WIFI 802.11a 6M	Tilt Left	0mm	77	8.96	9.5	100.00%	0.345	0.39	0.091	**0.10**	-0.12
9	Head	WIFI6E	13	6015	WIFI 802.11a 6M	Cheek Right	0mm	\	8.96	9.5	100.00%	0.215	**0.24**	0.065	**0.07**	0.09
9	Head	WIFI6E	13	6015	WIFI 802.11a 6M	Tilt Right	0mm	\	8.96	9.5	100.00%	0.211	**0.24**	0.062	**0.07**	0.11
9	Head	WIFI6E	69	6295	WIFI 802.11a 6M	Cheek Left	0mm	\	8.64	9.5	100.00%	0.207	**0.25**	0.068	**0.08**	-0.05
9	Head	WIFI6E	69	6295	WIFI 802.11a 6M	Tilt Left	0mm	\	8.64	9.5	100.00%	0.198	**0.24**	0.055	**0.07**	0.04
9	Head	WIFI6E	69	6295	WIFI 802.11a 6M	Cheek Right	0mm	\	8.64	9.5	100.00%	0.192	**0.23**	0.052	**0.06**	-0.07
9	Head	WIFI6E	69	6295	WIFI 802.11a 6M	Tilt Right	0mm	\	8.64	9.5	100.00%	0.163	**0.20**	0.048	**0.06**	-0.06
9	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Cheek Left	0mm	\	8.45	9.5	100.00%	0.1	**0.13**	0.037	**0.05**	0.17
9	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Tilt Left	0mm	\	8.45	9.5	100.00%	0.111	**0.14**	0.036	**0.05**	0.08
9	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Cheek Right	0mm	\	8.45	9.5	100.00%	0.077	**0.10**	0.027	**0.03**	-0.1
9	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Tilt Right	0mm	\	8.45	9.5	100.00%	0.053	**0.07**	0.018	**0.02**	-0.13
9	Head	WIFI6E	173	6815	WIFI 802.11a 6M	Cheek Left	0mm	\	8.59	9.5	100.00%	0.117	**0.14**	0.032	**0.04**	-0.05
9	Head	WIFI6E	173	6815	WIFI 802.11a 6M	Tilt Left	0mm	\	8.59	9.5	100.00%	0.085	**0.10**	0.023	**0.03**	0.13
9	Head	WIFI6E	173	6815	WIFI 802.11a 6M	Cheek Right	0mm	\	8.59	9.5	100.00%	0.173	**0.21**	0.042	**0.05**	0.05
9	Head	WIFI6E	173	6815	WIFI 802.11a 6M	Tilt Right	0mm	\	8.59	9.5	100.00%	0.102	**0.13**	0.029	**0.04**	-0.07
9	Head	WIFI6E	217	7035	WIFI 802.11a 6M	Cheek Left	0mm	\	8.62	9.5	100.00%	0.112	**0.14**	0.035	**0.04**	0.06
9	Head	WIFI6E	217	7035	WIFI 802.11a 6M	Tilt Left	0mm	\	8.62	9.5	100.00%	0.087	**0.11**	0.03	**0.04**	-0.17
9	Head	WIFI6E	217	7035	WIFI 802.11a 6M	Cheek Right	0mm	\	8.62	9.5	100.00%	0.063	**0.08**	0.022	**0.03**	-0.16
9	Head	WIFI6E	217	7035	WIFI 802.11a 6M	Tilt Right	0mm	\	8.62	9.5	100.00%	0.048	**0.06**	0.015	**0.02**	-0.07
9	Body	WIFI6E	13	6015	WIFI 802.11a 6M	Front	15mm	\	8.96	9.5	100.00%	0.095	**0.11**	0.036	**0.04**	-0.15
9	Body	WIFI6E	13	6015	WIFI 802.11a 6M	Rear	15mm	\	8.96	9.5	100.00%	0.135	**0.15**	0.05	**0.06**	0.05
9	Body	WIFI6E	69	6295	WIFI 802.11a 6M	Front	15mm	\	8.64	9.5	100.00%	0.041	**0.05**	0.015	**0.02**	-0.05
9	Body	WIFI6E	69	6295	WIFI 802.11a 6M	Rear	15mm	\	8.64	9.5	100.00%	0.086	**0.10**	0.028	**0.03**	0.06
9	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Front	15mm	\	8.45	9.5	100.00%	0.043	**0.05**	0.012	**0.02**	-0.09
9	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Rear	15mm	\	8.45	9.5	100.00%	0.105	**0.13**	0.034	**0.04**	0.14
9	Body	WIFI6E	173	6815	WIFI 802.11a 6M	Front	15mm	\	8.59	9.5	100.00%	0.011	**0.01**	0.005	**0.01**	-0.12
9	Body	WIFI6E	173	6815	WIFI 802.11a 6M	Rear	15mm	\	8.59	9.5	100.00%	0.024	**0.03**	0.008	**0.01**	0.03
9	Body	WIFI6E	217	7035	WIFI 802.11a 6M	Front	15mm	\	8.62	9.5	100.00%	0.014	**0.02**	0.004	**0.00**	0.03
9	Body	WIFI6E	217	7035	WIFI 802.11a 6M	Rear	15mm	\	8.62	9.5	100.00%	0.021	**0.03**	0.007	**0.01**	-0.1
9	Body	WIFI6E	13	6015	WIFI 802.11a 6M	Front	10mm	\	8.96	9.5	100.00%	0.134	**0.15**	0.043	**0.05**	0.15
9	Body	WIFI6E	13	6015	WIFI 802.11a 6M	Rear	10mm	78	8.96	9.5	100.00%	0.247	0.28	0.085	**0.10**	0.09
9	Body	WIFI6E	13	6015	WIFI 802.11a 6M	Right	10mm	\	8.96	9.5	100.00%	0.141	**0.16**	0.051	**0.06**	0.01
9	Body	WIFI6E	13	6015	WIFI 802.11a 6M	Top	10mm	\	8.96	9.5	100.00%	0.136	**0.15**	0.048	**0.05**	-0.03
9	Body	WIFI6E	69	6295	WIFI 802.11a 6M	Front	10mm	\	8.64	9.5	100.00%	0.05	**0.06**	0.018	**0.02**	-0.03
9	Body	WIFI6E	69	6295	WIFI 802.11a 6M	Rear	10mm	\	8.64	9.5	100.00%	0.095	**0.12**	0.028	**0.03**	-0.08
9	Body	WIFI6E	69	6295	WIFI 802.11a 6M	Right	10mm	\	8.64	9.5	100.00%	0.065	**0.08**	0.022	**0.03**	-0.02
9	Body	WIFI6E	69	6295	WIFI 802.11a 6M	Top	10mm	\	8.64	9.5	100.00%	0.035	**0.04**	0.014	**0.02**	0.01
9	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Front	10mm	\	8.45	9.5	100.00%	0.058	**0.07**	0.021	**0.03**	0.07
9	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Rear	10mm	\	8.45	9.5	100.00%	0.213	**0.27**	0.061	**0.08**	-0.05
9	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Right	10mm	\	8.45	9.5	100.00%	0.172	**0.22**	0.057	**0.07**	-0.14
9	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Top	10mm	\	8.45	9.5	100.00%	0.055	**0.07**	0.02	**0.03**	0.11
9	Body	WIFI6E	173	6815	WIFI 802.11a 6M	Front	10mm	\	8.59	9.5	100.00%	0.058	**0.07**	0.021	**0.03**	0.09
9	Body	WIFI6E	173	6815	WIFI 802.11a 6M	Rear	10mm	\	8.59	9.5	100.00%	0.163	**0.20**	0.054	**0.07**	-0.15
9	Body	WIFI6E	173	6815	WIFI 802.11a 6M	Right	10mm	\	8.59	9.5	100.00%	0.148	**0.18**	0.051	**0.06**	-0.09
9	Body	WIFI6E	173	6815	WIFI 802.11a 6M	Top	10mm	\	8.59	9.5	100.00%	0.044	**0.05**	0.016	**0.02**	-0.15
9	Body	WIFI6E	217	7035	WIFI 802.11a 6M	Front	10mm	\	8.62	9.5	100.00%	0.067	**0.08**	0.019	**0.02**	-0.09
9	Body	WIFI6E	217	7035	WIFI 802.11a 6M	Rear	10mm	\	8.62	9.5	100.00%	0.086	**0.11**	0.031	**0.04**	0.04
9	Body	WIFI6E	217	7035	WIFI 802.11a 6M	Right	10mm	\	8.62	9.5	100.00%	0.101	**0.12**	0.031	**0.04**	0.01
9	Body	WIFI6E	217	7035	WIFI 802.11a 6M	Top	10mm	\	8.62	9.5	100.00%	0.025	**0.03**	0.012	**0.01**	0.15

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ANT	RF Exposure Condition	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
MIMO	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Cheek Left	0mm	\	12.71	13	100.00%	0.015	**0.02**	0.004	**0.00**	-0.15
MIMO	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Tilt Left	0mm	\	12.71	13	100.00%	0.014	**0.01**	0.003	**0.00**	-0.08
MIMO	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Cheek Right	0mm	\	12.71	13	100.00%	0.015	**0.02**	0.003	**0.00**	0.05
MIMO	Head	WIFI6E	1	5955	WIFI 802.11a 6M	Tilt Right	0mm	\	12.71	13	100.00%	0.011	**0.01**	0.002	**0.00**	-0.09
MIMO	Head	WIFI6E	41	6155	WIFI 802.11a 6M	Cheek Left	0mm	\	12.04	13	100.00%	0.02	**0.02**	0.006	**0.01**	-0.05
MIMO	Head	WIFI6E	41	6155	WIFI 802.11a 6M	Tilt Left	0mm	\	12.04	13	100.00%	0.019	**0.02**	0.004	**0.00**	-0.07
MIMO	Head	WIFI6E	41	6155	WIFI 802.11a 6M	Cheek Right	0mm	\	12.04	13	100.00%	0.009	**0.01**	0.002	**0.00**	-0.1
MIMO	Head	WIFI6E	41	6155	WIFI 802.11a 6M	Tilt Right	0mm	\	12.04	13	100.00%	0.01	**0.01**	0.002	**0.00**	0.13
MIMO	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Cheek Left	0mm	\	12.14	13	100.00%	0.015	**0.02**	0.004	**0.00**	-0.14
MIMO	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Tilt Left	0mm	\	12.14	13	100.00%	0.018	**0.02**	0.004	**0.00**	-0.1
MIMO	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Cheek Right	0mm	\	12.14	13	100.00%	0.015	**0.02**	0.003	**0.00**	0.02
MIMO	Head	WIFI6E	105	6475	WIFI 802.11a 6M	Tilt Right	0mm	\	12.14	13	100.00%	0.015	**0.02**	0.003	**0.00**	0.03
MIMO	Head	WIFI6E	117	6535	WIFI 802.11a 6M	Cheek Left	0mm	\	12.27	13	100.00%	0.018	**0.02**	0.003	**0.00**	-0.04
MIMO	Head	WIFI6E	117	6535	WIFI 802.11a 6M	Tilt Left	0mm	\	12.27	13	100.00%	0.017	**0.02**	0.003	**0.00**	0.14
MIMO	Head	WIFI6E	117	6535	WIFI 802.11a 6M	Cheek Right	0mm	\	12.27	13	100.00%	0.017	**0.02**	0.004	**0.00**	0.05
MIMO	Head	WIFI6E	117	6535	WIFI 802.11a 6M	Tilt Right	0mm	\	12.27	13	100.00%	0.011	**0.01**	0.002	**0.00**	0.13
MIMO	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Cheek Left	0mm	79	12.26	13	100.00%	0.025	**0.03**	0.02	**0.02**	0.01
MIMO	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Tilt Left	0mm	\	12.26	13	100.00%	0.023	**0.03**	0.034	**0.04**	-0.11
MIMO	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Cheek Right	0mm	\	12.26	13	100.00%	0.016	**0.02**	0.022	**0.03**	-0.06
MIMO	Head	WIFI6E	209	6995	WIFI 802.11a 6M	Tilt Right	0mm	\	12.26	13	100.00%	0.017	**0.02**	0.015	**0.02**	0.05
MIMO	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Front	10mm	\	12.71	13	100.00%	0.039	**0.04**	0.028	**0.03**	0.09
MIMO	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Rear	10mm	\	12.71	13	100.00%	0.045	**0.05**	0.037	**0.04**	-0.07
MIMO	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Right	10mm	\	12.71	13	100.00%	0.042	**0.04**	0.03	**0.03**	0.03
MIMO	Body	WIFI6E	1	5955	WIFI 802.11a 6M	Top	10mm	\	12.71	13	100.00%	0.02	**0.02**	0.013	**0.01**	0.1
MIMO	Body	WIFI6E	41	6155	WIFI 802.11a 6M	Front	10mm	\	12.04	13	100.00%	0.013	**0.02**	0.005	**0.01**	0.05
MIMO	Body	WIFI6E	41	6155	WIFI 802.11a 6M	Rear	10mm	80	12.04	13	100.00%	0.061	**0.08**	0.024	**0.03**	0.01
MIMO	Body	WIFI6E	41	6155	WIFI 802.11a 6M	Right	10mm	\	12.04	13	100.00%	0.021	**0.03**	0.007	**0.01**	0.1
MIMO	Body	WIFI6E	41	6155	WIFI 802.11a 6M	Top	10mm	\	12.04	13	100.00%	0.055	**0.07**	0.02	**0.02**	0.02
MIMO	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Front	10mm	\	12.14	13	100.00%	0.054	**0.07**	0.007	**0.01**	-0.11
MIMO	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Rear	10mm	\	12.14	13	100.00%	0.019	**0.02**	0.003	**0.00**	0.01
MIMO	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Right	10mm	\	12.14	13	100.00%	0.033	**0.04**	0.005	**0.01**	0.14
MIMO	Body	WIFI6E	105	6475	WIFI 802.11a 6M	Top	10mm	\	12.14	13	100.00%	0.054	**0.07**	0.007	**0.01**	0.03
MIMO	Body	WIFI6E	117	6535	WIFI 802.11a 6M	Front	10mm	\	12.27	13	100.00%	0.019	**0.02**	0.003	**0.00**	-0.04
MIMO	Body	WIFI6E	117	6535	WIFI 802.11a 6M	Rear	10mm	\	12.27	13	100.00%	0.029	**0.03**	0.004	**0.00**	-0.08
MIMO	Body	WIFI6E	117	6535	WIFI 802.11a 6M	Right	10mm	\	12.27	13	100.00%	0.044	**0.05**	0.006	**0.01**	0.01
MIMO	Body	WIFI6E	117	6535	WIFI 802.11a 6M	Top	10mm	\	12.27	13	100.00%	0.021	**0.02**	0.004	**0.00**	-0.13
MIMO	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Front	10mm	\	12.26	13	100.00%	0.057	**0.07**	0.007	**0.01**	-0.14
MIMO	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Rear	10mm	\	12.26	13	100.00%	0.054	**0.06**	0.007	**0.01**	0.15
MIMO	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Right	10mm	\	12.26	13	100.00%	0.039	**0.05**	0.005	**0.01**	0.04
MIMO	Body	WIFI6E	209	6995	WIFI 802.11a 6M	Top	10mm	\	12.26	13	100.00%	0.032	**0.04**	0.005	**0.01**	-0.04

11.4 SAR results for BT

ANT	RF Exposure Condition	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
8	Head	BT	78	2480	DH5	Cheek Left	0mm	81	8.96	10	100.00%	0.017	**0.02**	0.008	**0.01**	0.05
8	Head	BT	78	2480	DH5	Tilt Left	0mm	\	8.96	10	100.00%	0.012	**0.02**	0.007	**0.01**	-0.06
8	Head	BT	78	2480	DH5	Cheek Right	0mm	\	8.96	10	100.00%	0.013	**0.02**	0.006	**0.01**	0.11
8	Head	BT	78	2480	DH5	Tilt Right	0mm	\	8.96	10	100.00%	<0.01	<0.01	<0.01	<0.01	\
8	Body	BT	78	2480	DH5	Front	15mm	\	8.96	10	100.00%	<0.01	<0.01	<0.01	<0.01	\
8	Body	BT	78	2480	DH5	Rear	15mm	\	8.96	10	100.00%	0.005	**0.01**	0.002	**0.00**	0.02
8	Body	BT	78	2480	DH5	Front	10mm	\	8.96	10	100.00%	0.008	**0.01**	0.004	**0.01**	
8	Body	BT	78	2480	DH5	Rear	10mm	82	8.96	10	100.00%	0.014	**0.02**	0.006	**0.01**	0.01
8	Body	BT	78	2480	DH5	Right	10mm	\	8.96	10	100.00%	<0.01	<0.01	<0.01	<0.01	\
8	Body	BT	78	2480	DH5	Top	10mm	\	8.96	10	100.00%	<0.01	<0.01	<0.01	<0.01	\

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11.5 PD results for WIFI6E

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Figure No.	Duty Cycle	EUT Measured Power (dBm)	Tune up (dBm)	Measured Normal psPD (W/m^2)	Calculated Normal psPD (W/m^2)	Measured Total psPD (W/m^2)	Calculated Total psPD (W/m^2)	Power Drift
6	Head	WLAN6E	1	5955	WIFI 802.11a 6M	Front	2mm	\	100%	10.39	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Head	WLAN6E	93	6415	WIFI 802.11a 6M	Front	2mm	\	100%	10.11	10.5	0.059	**0.06**	0.115	**0.13**	0.01
6	Head	WLAN6E	109	6495	WIFI 802.11a 6M	Front	2mm	\	100%	9.74	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Head	WLAN6E	185	6875	WIFI 802.11a 6M	Front	2mm	83	100%	9.91	10.5	0.082	**0.09**	0.174	**0.20**	0.03
6	Head	WLAN6E	209	6995	WIFI 802.11a 6M	Front	2mm	\	100%	9.94	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Front	2mm	\	100%	10.39	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Rear	2mm	\	100%	10.39	10.5	0.039	**0.04**	0.079	**0.08**	0.05
6	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Left	2mm	\	100%	10.39	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Right	2mm	\	100%	10.39	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Bottom	2mm	\	100%	10.39	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Top	2mm	\	100%	10.39	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	93	6415	WIFI 802.11a 6M	Rear	2mm	\	100%	10.11	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	109	6495	WIFI 802.11a 6M	Rear	2mm	\	100%	9.74	10.5	0.069	**0.08**	0.11	**0.13**	-0.13
6	Body	WLAN6E	185	6875	WIFI 802.11a 6M	Rear	2mm	\	100%	9.91	10.5	<0.01	<0.01	<0.01	<0.01	\
6	Body	WLAN6E	209	6995	WIFI 802.11a 6M	Rear	2mm	\	100%	9.94	10.5	<0.01	<0.01	<0.01	<0.01	\
9	Head	WLAN6E	13	6015	WIFI 802.11a 6M	Front	2mm	\	100%	8.96	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Head	WLAN6E	69	6295	WIFI 802.11a 6M	Front	2mm	\	100%	8.64	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Head	WLAN6E	105	6475	WIFI 802.11a 6M	Front	2mm	84	100%	8.45	9.5	0.915	**1.17**	2.09	**2.69**	-0.01
9	Head	WLAN6E	173	6815	WIFI 802.11a 6M	Front	2mm	\	100%	8.59	9.5	0.011	**0.01**	0.032	**0.04**	0.05
9	Head	WLAN6E	217	7035	WIFI 802.11a 6M	Front	2mm	\	100%	8.62	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Body	WLAN6E	13	6015	WIFI 802.11a 6M	Front	2mm	\	100%	8.96	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Body	WLAN6E	13	6015	WIFI 802.11a 6M	Rear	2mm	\	100%	8.96	9.5	0.01	**0.01**	0.014	**0.02**	-0.11
9	Body	WLAN6E	69	6295	WIFI 802.11a 6M	Rear	2mm	\	100%	8.64	9.5	0.037	**0.05**	0.066	**0.08**	0.05
9	Body	WLAN6E	105	6475	WIFI 802.11a 6M	Rear	2mm	\	100%	8.45	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Body	WLAN6E	173	6815	WIFI 802.11a 6M	Rear	2mm	\	100%	8.59	9.5	0.01	**0.01**	0.022	**0.03**	-0.07
9	Body	WLAN6E	217	7035	WIFI 802.11a 6M	Rear	2mm	\	100%	8.62	9.5	0.042	**0.05**	0.076	**0.09**	-0.1
9	Body	WLAN6E	13	6015	WIFI 802.11a 6M	Left	2mm	\	100%	8.96	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Body	WLAN6E	13	6015	WIFI 802.11a 6M	Right	2mm	\	100%	8.96	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Body	WLAN6E	13	6015	WIFI 802.11a 6M	Bottom	2mm	\	100%	8.96	9.5	<0.01	<0.01	<0.01	<0.01	\
9	Body	WLAN6E	13	6015	WIFI 802.11a 6M	Top	2mm	\	100%	8.96	9.5	<0.01	<0.01	<0.01	<0.01	\
MIMO	Head	WLAN6E	1	5955	WIFI 802.11a 6M	Front	2mm	\	100%	12.71	13	0.018	**0.02**	0.034	**0.04**	-0.03
MIMO	Head	WLAN6E	41	6155	WIFI 802.11a 6M	Front	2mm	\	100%	12.04	13	0.019	**0.02**	0.047	**0.06**	0.06
MIMO	Head	WLAN6E	105	6475	WIFI 802.11a 6M	Front	2mm	85	100%	12.14	13	0.061	**0.07**	0.167	**0.21**	0.05
MIMO	Head	WLAN6E	117	6535	WIFI 802.11a 6M	Front	2mm	\	100%	12.27	13	0.004	**0.00**	0.005	**0.01**	0.07
MIMO	Head	WLAN6E	209	6995	WIFI 802.11a 6M	Front	2mm	\	100%	12.26	13	0.081	**0.10**	0.209	**0.25**	-0.05
MIMO	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Front	2mm	\	100%	12.71	13	0.018	**0.02**	0.034	**0.04**	-0.03
MIMO	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Rear	2mm	\	100%	12.71	13	0.035	**0.04**	0.053	**0.06**	0.12
MIMO	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Left	2mm	\	100%	12.71	13	<0.01	<0.01	<0.01	<0.01	\
MIMO	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Right	2mm	\	100%	12.71	13	<0.01	<0.01	<0.01	<0.01	\
MIMO	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Bottom	2mm	\	100%	12.71	13	<0.01	<0.01	<0.01	<0.01	\
MIMO	Body	WLAN6E	1	5955	WIFI 802.11a 6M	Top	2mm	\	100%	12.71	13	<0.01	<0.01	<0.01	<0.01	\
MIMO	Body	WLAN6E	41	6155	WIFI 802.11a 6M	Rear	2mm	\	100%	12.04	13	0.041	**0.05**	0.074	**0.09**	0.05
MIMO	Body	WLAN6E	105	6475	WIFI 802.11a 6M	Rear	2mm	\	100%	12.14	13	0.015	**0.02**	0.026	**0.03**	-0.07
MIMO	Body	WLAN6E	117	6535	WIFI 802.11a 6M	Rear	2mm	\	100%	12.27	13	<0.01	<0.01	<0.01	<0.01	\
MIMO	Body	WLAN6E	209	6995	WIFI 802.11a 6M	Rear	2mm	\	100%	12.26	13	0.053	**0.06**	0.095	**0.11**	0.14

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11.6 SAR results for Phablet

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

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

The 10g extremity SAR is not required for this DUT, because all the hotspot mode 1g reported SAR is less than 1.2 W/kg.

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12 SAR Measurement Variability

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

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

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

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

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

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

Band	ANT	Frequency		Test Position	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
		Ch.	MHz					
GSM1900	2	512	1850.2	GPRS(4) Left Cheek	0.88	0.856	1.03	/
WCDMA B4	2	1312	1712.4	RMC Right 10mm	0.84	0.831	1.01	/
n48	7	641666	3624.99	DFT QPSK Right Cheek	0.912	0.875	1.04	/

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13 Simultaneous TX SAR Considerations

13.1 Transmit Antenna Separation Distances

The detail for transmit antenna separation distances is described in the additional document:
The Photos of SAR test - 25T04Z100757-013

13.2 SAR Measurement Positions

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

SAR measurement positions						
Antenna	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
ANT0	Yes	Yes	Yes	No	Yes	No
ANT1	Yes	Yes	Yes	No	No	Yes
ANT2	Yes	Yes	No	Yes	Yes	No
ANT3	Yes	Yes	Yes	Yes	No	Yes
ANT4	Yes	Yes	Yes	No	No	No
ANT6	Yes	Yes	No	Yes	Yes	No
ANT7	Yes	Yes	Yes	No	Yes	No
ANT8	Yes	Yes	No	Yes	Yes	No
ANT9	Yes	Yes	No	Yes	No	No

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13.3 Simultaneous Transmission

13.3.1 Introduction

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

13.3.2 Sum of SAR

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

13.3.3 SAR to Peak Location Ratio (SPLSR)

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

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

Where:

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

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

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

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

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

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

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.

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13.3.4 Simultaneous Transmission Capabilities

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

Cellular+WiFi2.4G（A8+A9）+BT	Cellular+WiFi 5G（A9+A6）+BT	Cellular+WiFi 6E（A9+A6）+BT	Cellular+BT
Cellular+WiFi2.4G（A8）+WiFi 5G（A6）+BT	Cellular+WiFi 5G（A9）+WiFi2.4G（A6）+BT	Cellular+WiFi 6E（A9）+WiFi2.4G（A6）+BT	
Cellular+WiFi2.4G（A8）+WiFi 5G（A9）+BT	Cellular+WiFi 5G（A6）+WiFi2.4G（A9）+BT	Cellular+WiFi 6E（A6）+WiFi2.4G（A9）+BT	
Cellular+WiFi2.4G（A9）+WiFi 5G（A6）+BT	Cellular+WiFi 5G（A6）+WiFi2.4G（A8）+BT	Cellular+WiFi 6E（A6）+WiFi2.4G（A8）+BT	
Cellular+WiFi2.4G（A9）+WiFi 5G（A9）+BT	Cellular+WiFi 5G（A9）+WiFi 2.4G（A9）+BT		

13.3.5 Evaluation of Simultaneous

Evaluation of Simultaneous for WWAN(2G/3G/4G) +WIFI+BT

Position\Band		ANT1	ANT2	ANT2	ANT2	ANT1	ANT3	ANT4	ANT1	ANT1	ANT1	ANT2	ANT1	ANT4	ANT4	ANT7	ANT2	ANT0	MAX SAR 1g
		GSM850	GSM1900	WCDMA1900	WCDMA1700	WCDMA850	LTE B7	LTE B7	LTE B12	LTE B13	LTE B14	LTE B25	LTE B26	LTE B30	LTE B41	LTE B48	LTE B66	LTE B71	
Head	Left Cheek	0.05	1.01	0.34	0.59	0.08	0.02	0.29	0.07	0.05	0.05	0.62	0.06	0.47	0.12	0.14	0.79	0.11	1.01
	Left Tilt	0.00	0.32	0.12	0.21	0.00	0.00	0.07	0.00	0.00	0.00	0.14	0.02	0.09	0.03	0.13	0.34	0.16	0.34
	Right Cheek	0.03	0.32	0.09	0.24	0.07	0.02	0.39	0.04	0.03	0.04	0.13	0.05	0.49	0.07	0.58	0.28	0.12	0.58
	Right Tilt	0.00	0.18	0.06	0.10	0.00	0.00	0.15	0.00	0.00	0.00	0.10	0.00	0.16	0.04	0.32	0.14	0.20	0.32
Body worn 15mm	Front	0.03	0.09	0.10	0.11	0.00	0.03	0.17	0.00	0.00	0.04	0.09	0.00	0.17	0.00	0.12	0.13	0.00	0.17
	Rear	0.13	0.29	0.27	0.36	0.15	0.07	0.34	0.08	0.08	0.08	0.23	0.07	0.39	0.04	0.17	0.34	0.11	0.39
Body 10mm	Front	0.06	0.28	0.18	0.16	0.10	0.05	0.23	0.06	0.05	0.06	0.17	0.08	0.23	0.07	0.22	0.23	0.08	0.28
	Rear	0.19	0.84	0.63	0.89	0.27	0.13	0.49	0.16	0.16	0.16	0.49	0.23	0.54	0.14	0.44	0.58	0.23	0.89
	Left	0.06					0.00	0.58	0.08	0.09	0.08		0.12	0.52	0.13	0.37		0.05	0.58
	Right		0.83	0.58	1.18	0.00	0.04					0.55					0.78		1.18
	Bottom	0.04				0.08	0.14		0.05	0.06	0.06		0.07						0.14
	Top		0.07	0.06	0.12			0.06				0.05			0.07	0.11	0.07	0.20	0.20

Position\Band		1	2	3	4	5	6	7	8	9	10	11
		WWAN	WIFI2.4G ANT8	WIFI2.4G ANT9	WIFI2.4G MIMO	WIFI5G ANT6	WIFI5G ANT9	WIFI5G MIMO	WIFI6E ANT6	WIFI6E ANT9	WIFI6E MIMO	BT ANT8
Head	Left Cheek	1.01	0.19	0.09	0.33	0.37	0.34	0.39	0.37	0.37	0.03	0.02
	Left Tilt	0.34	0.27	0.03	0.38	0.36	0.54	0.37	0.62	0.39	0.03	0.02
	Right Cheek	0.58	0.08	0.05	0.18	0.11	0.09	0.14	0.39	0.24	0.02	0.02
	Right Tilt	0.32	0.14	0.02	0.21	0.13	0.12	0.16	0.52	0.24	0.02	0.00
Body worn 15mm	Front	0.17	0.05	0.00	0.06	0.06	0.09	0.13	0.10	0.11	0.07	0.00
	Rear	0.39	0.07	0.00	0.16	0.10	0.12	0.22	0.13	0.15	0.08	0.01
Body 10mm	Front	0.28	0.07	0.00	0.11	0.09	0.15	0.20	0.14	0.15	0.07	0.01
	Rear	0.89	0.14	0.03	0.36	0.20	0.20	0.37	0.32	0.28	0.08	0.02
	Left	0.58										
	Right	1.18	0.00	0.02	0.06	0.08	0.11	0.22	0.16	0.18	0.05	0.00
	Bottom	0.14										
	Top	0.20	0.10		0.28	0.08		0.17	0.26	0.15	0.07	0.00

Position\Band		Simultaneous Transmission																		MAX SAR 1g
		1+2+11	1+3+11	1+4+11	1+5+11	1+6+11	1+7+11	1+8+11	1+9+11	1+10+11	1+2+5+11	1+3+5+11	1+2+6+11	1+3+6+11	1+2+8+11	1+3+8+11	1+2+9+11	1+3+9+11	
Head	Left Cheek	1.22	1.12	1.36	1.40	1.37	1.42	1.40	1.40	1.06	1.59	1.49	1.56	1.46	1.59	1.49	1.59	1.49	1.59
	Left Tilt	0.63	0.39	0.74	0.72	0.90	0.73	0.98	0.75	0.39	0.99	0.75	1.17	0.93	1.25	1.01	1.02	0.78	1.25
	Right Cheek	0.68	0.65	0.78	0.71	0.69	0.74	0.99	0.84	0.62	0.79	0.76	0.77	0.74	1.07	1.04	0.92	0.89	1.07
	Right Tilt	0.46	0.34	0.53	0.45	0.44	0.48	0.84	0.56	0.34	0.59	0.47	0.58	0.46	0.98	0.86	0.70	0.58	0.98
Body worn 15mm	Front	0.22	0.17	0.23	0.23	0.26	0.30	0.27	0.28	0.24	0.28	0.23	0.31	0.26	0.32	0.27	0.33	0.28	0.33
	Rear	0.47	0.40	0.56	0.50	0.52	0.62	0.53	0.55	0.48	0.57	0.50	0.59	0.52	0.60	0.53	0.62	0.55	0.62
Body 10mm	Front	0.36	0.29	0.40	0.38	0.44	0.49	0.43	0.44	0.36	0.45	0.38	0.51	0.44	0.50	0.43	0.51	0.44	0.51
	Rear	1.05	0.94	1.27	1.11	1.11	1.28	1.23	1.19	0.99	1.25	1.14	1.25	1.14	1.37	1.26	1.33	1.22	1.37
	Left	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
	Right	1.18	1.20	1.24	1.26	1.29	1.40	1.34	1.36	1.23	1.26	1.28	1.29	1.31	1.34	1.36	1.36	1.38	1.40
	Bottom	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
	Top	0.30	0.20	0.48	0.28	0.20	0.37	0.46	0.35	0.27	0.38	0.28	0.30	0.20	0.56	0.46	0.45	0.35	0.56

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Evaluation of Simultaneous for WWAN(5G NR) +WIFI+BT

Position\Band		ANT2	ANT1	ANT4	ANT1	ANT4	ANT7	ANT2	ANT0	ANT7	MAX. SAR 1g
		n2	n5	n7	n12	n41	n48	n66	n71	n78	
Head	Left Cheek	0.64	0.06	0.38	0.03	0.49	0.33	0.59	0.10	0.35	0.64
	Left Tilt	0.20	0.00	0.05	0.00	0.12	0.27	0.17	0.11	0.26	0.27
	Right Cheek	0.23	0.04	0.31	0.04	0.75	0.94	0.16	0.07	0.72	0.94
	Right Tilt	0.14	0.00	0.10	0.00	0.23	0.47	0.09	0.13	0.34	0.47
Body worn 15mm	Front	0.10	0.07	0.17	0.00	0.15	0.14	0.10	0.03	0.12	0.17
	Rear	0.29	0.12	0.25	0.08	0.28	0.29	0.28	0.08	0.14	0.29
Body 10mm	Front	0.19	0.08	0.19	0.06	0.33	0.37	0.19	0.06	0.15	0.37
	Rear	0.59	0.21	0.37	0.15	0.62	0.41	0.59	0.17	0.15	0.62
	Left		0.09	0.49	0.11	0.59	0.52		0.03		0.59
	Right	0.55						0.63			0.63
	Bottom		0.07		0.06						0.07
	Top	0.06					0.19	0.07	0.16		0.19

Position\Band		1	2	3	4	5	6	7	8	9	10	11
		WWAN	WIFI2.4G ANT8	WIFI2.4G ANT9	WIFI2.4G MIMO	WIFI5G ANT6	WIFI5G ANT9	WIFI5G MIMO	WIFI6E ANT6	WIFI6E ANT9	WIFI6E MIMO	BT ANT8
Head	Left Cheek	0.64	0.19	0.09	0.33	0.37	0.34	0.39	0.37	0.37	0.03	0.02
	Left Tilt	0.27	0.27	0.03	0.38	0.36	0.54	0.37	0.62	0.39	0.03	0.02
	Right Cheek	0.94	0.08	0.05	0.18	0.11	0.09	0.14	0.39	0.24	0.02	0.02
	Right Tilt	0.47	0.14	0.02	0.21	0.13	0.12	0.16	0.52	0.24	0.02	0.00
Body worn 15mm	Front	0.17	0.05	0.00	0.06	0.06	0.09	0.13	0.10	0.11	0.07	0.00
	Rear	0.29	0.07	0.00	0.16	0.10	0.12	0.22	0.13	0.15	0.08	0.01
Body 10mm	Front	0.37	0.07	0.00	0.11	0.09	0.15	0.20	0.14	0.15	0.07	0.01
	Rear	0.62	0.14	0.03	0.36	0.20	0.20	0.37	0.32	0.28	0.08	0.02
	Left	0.59										
	Right	0.63	0.00	0.02	0.06	0.08	0.11	0.22	0.16	0.18	0.05	0.00
	Bottom	0.07										
	Top	0.19	0.10		0.28	0.08		0.17	0.26	0.15	0.07	0.00

Position\Band		Simultaneous Transmission																		MAX. SAR 1g
		1+2+11	1+3+11	1+4+11	1+5+11	1+6+11	1+7+11	1+8+11	1+9+11	1+10+11	1+2+5+11	1+3+5+11	1+2+6+11	1+3+6+11	1+2+8+11	1+3+8+11	1+2+9+11	1+3+9+11	
Head	Left Cheek	0.85	0.75	0.99	1.03	1.00	1.05	1.03	1.03	0.69	1.22	1.12	1.19	1.09	1.22	1.12	1.22	1.12	1.22
	Left Tilt	0.56	0.32	0.67	0.65	0.83	0.66	0.91	0.68	0.32	0.92	0.68	1.10	0.86	1.18	0.94	0.95	0.71	1.18
	Right Cheek	1.04	1.01	1.14	1.07	1.05	1.10	1.35	1.20	0.98	1.15	1.12	1.13	1.10	1.43	1.40	1.28	1.25	1.43
	Right Tilt	0.61	0.49	0.68	0.60	0.59	0.63	0.99	0.71	0.49	0.74	0.62	0.73	0.61	1.13	1.01	0.85	0.73	1.13
Body worn 15mm	Front	0.22	0.17	0.23	0.23	0.26	0.30	0.27	0.28	0.24	0.28	0.23	0.31	0.26	0.32	0.27	0.33	0.28	
	Rear	0.37	0.30	0.46	0.40	0.42	0.52	0.43	0.45	0.38	0.47	0.40	0.49	0.42	0.50	0.43	0.52	0.45	
Body 10mm	Front	0.45	0.38	0.49	0.47	0.53	0.58	0.52	0.53	0.45	0.54	0.47	0.60	0.53	0.59	0.52	0.60	0.53	0.60
	Rear	0.78	0.67	1.00	0.84	0.84	1.01	0.96	0.92	0.72	0.98	0.87	0.98	0.87	1.10	0.99	1.06	0.95	1.10
	Left	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
	Right	0.63	0.65	0.69	0.71	0.74	0.85	0.79	0.81	0.68	0.71	0.73	0.74	0.76	0.79	0.81	0.81	0.83	0.85
	Bottom	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	Top	0.29	0.19	0.47	0.27	0.19	0.36	0.45	0.34	0.26	0.37	0.27	0.29	0.19	0.55	0.45	0.44	0.34	0.55

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Evaluation of Simultaneous for ULCA +WIFI+BT

Position\Band		PCC	SCC				ULCA
		LTE B2 ANT2	LTE B4 ANT3	LTE B5 ANT1	LTE B7 ANT3	LTE B66 ANT3	MAX. SAR 1g
Head	Left Cheek	0.62	0.02	0.06	0.02	0.02	0.68
	Left Tilt	0.14	0.00	0.02	0.00	0.00	0.14
	Right Cheek	0.13	0.00	0.05	0.02	0.00	0.13
	Right Tilt	0.10	0.00	0.00	0.00	0.00	0.10
Body worn 15mm	Front	0.09	0.00	0.00	0.03	0.00	0.09
	Rear	0.23	0.06	0.07	0.07	0.06	0.23
Body 10mm	Front	0.17	0.05	0.08	0.05	0.05	0.17
	Rear	0.49	0.14	0.23	0.13	0.14	0.49
	Left	0.00	0.00	0.12	0.00	0.00	0.12
	Right	0.55	0.00	0.00	0.04	0.00	0.55
	Bottom	0.00	0.15	0.07	0.14	0.15	0.15
	Top	0.05	0.00	0.00	0.00	0.00	0.05

Position\Band		PCC	SCC				ULCA
		LTE B4 ANT2	LTE B5 ANT1	LTE B7 ANT3			MAX. SAR 1g
Head	Left Cheek	0.02	0.06	0.02			0.06
	Left Tilt	0.00	0.02	0.00			0.02
	Right Cheek	0.00	0.05	0.02			0.05
	Right Tilt	0.00	0.00	0.00			0.00
Body worn 15mm	Front	0.00	0.00	0.03			0.03
	Rear	0.06	0.07	0.07			0.07
Body 10mm	Front	0.05	0.08	0.05			0.08
	Rear	0.14	0.23	0.13			0.23
	Left	0.00	0.12	0.00			0.12
	Right	0.00	0.00	0.04			0.04
	Bottom	0.15	0.07	0.14			0.15
	Top	0.00	0.00	0.00			0.00

Position\Band		PCC	SCC				ULCA
		LTE B5 ANT1	LTE B7 ANT4	LTE B66 ANT2			MAX. SAR 1g
Head	Left Cheek	0.06	0.29	0.79			0.79
	Left Tilt	0.02	0.07	0.34			0.34
	Right Cheek	0.05	0.39	0.28			0.39
	Right Tilt	0.00	0.15	0.14			0.15
Body worn 15mm	Front	0.00	0.17	0.13			0.17
	Rear	0.07	0.34	0.34			0.34
Body 10mm	Front	0.08	0.23	0.23			0.23
	Rear	0.23	0.49	0.58			0.58
	Left	0.12	0.58	0.00			0.58
	Right	0.00	0.00	0.78			0.78
	Bottom	0.07	0.00	0.00			0.07
	Top	0.00	0.06	0.07			0.07

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Position\Band		PCC	SCC				ULCA
		LTE B12 ANT1	LTE B48 ANT7				MAX. SAR 1g
Head	Left Cheek	0.07	0.14				0.14
	Left Tilt	0.00	0.13				0.13
	Right Cheek	0.04	0.58				0.58
	Right Tilt	0.00	0.32				0.32
Body worn 15mm	Front	0.00	0.12				0.12
	Rear	0.08	0.17				0.17
Body 10mm	Front	0.06	0.22				0.22
	Rear	0.16	0.44				0.44
	Left	0.08	0.37				0.37
	Right	0.00	0.00				0.00
	Bottom	0.05	0.00				0.05
	Top	0.00	0.11				0.11

Position\Band		PCC	SCC				ULCA
		LTE B48 ANT7	LTE B66 ANT3				MAX. SAR 1g
Head	Left Cheek	0.14	0.02				0.14
	Left Tilt	0.13	0.00				0.13
	Right Cheek	0.58	0.00				0.58
	Right Tilt	0.32	0.00				0.32
Body worn 15mm	Front	0.12	0.00				0.12
	Rear	0.17	0.06				0.17
Body 10mm	Front	0.22	0.05				0.22
	Rear	0.44	0.14				0.44
	Left	0.37	0.00				0.37
	Right	0.00	0.00				0.00
	Bottom	0.00	0.15				0.15
	Top	0.11	0.00				0.11

Position\Band		1	2	3	4	5	6	7	8	9	10	11
		WWAN	WIFI2.4G ANT8	WIFI2.4G ANT9	WIFI2.4G MIMO	WIFI5G ANT6	WIFI5G ANT9	WIFI5G MIMO	WIFI6E ANT6	WIFI6E ANT9	WIFI6E MIMO	BT ANT8
Head	Left Cheek	0.79	0.19	0.09	0.33	0.37	0.34	0.39	0.37	0.37	0.03	0.02
	Left Tilt	0.34	0.27	0.03	0.38	0.36	0.54	0.37	0.62	0.39	0.03	0.02
	Right Cheek	0.58	0.08	0.05	0.18	0.11	0.09	0.14	0.39	0.24	0.02	0.02
	Right Tilt	0.32	0.14	0.02	0.21	0.13	0.12	0.16	0.52	0.24	0.02	0.00
Body worn 15mm	Front	0.17	0.05	0.00	0.06	0.06	0.09	0.13	0.10	0.11	0.07	0.00
	Rear	0.34	0.07	0.00	0.16	0.10	0.12	0.22	0.13	0.15	0.08	0.01
Body 10mm	Front	0.23	0.07	0.00	0.11	0.09	0.15	0.20	0.14	0.15	0.07	0.01
	Rear	0.58	0.14	0.03	0.36	0.20	0.20	0.37	0.32	0.28	0.08	0.02
	Left	0.58										
	Right	0.78	0.00	0.02	0.06	0.08	0.11	0.22	0.16	0.18	0.05	0.00
	Bottom	0.15										
	Top	0.11	0.10		0.28	0.08		0.17	0.26	0.15	0.07	0.00

Position\Band		Simultaneous Transmission																		MAX. SAR 1g
		1+2+11	1+3+11	1+4+11	1+5+11	1+6+11	1+7+11	1+8+11	1+9+11	1+10+11	1+2+5+11	1+3+5+11	1+2+6+11	1+3+6+11	1+2+8+11	1+3+8+11	1+2+9+11	1+3+9+11	
Head	Left Cheek	1.00	0.90	1.14	1.18	1.15	1.20	1.18	1.18	0.84	1.37	1.27	1.34	1.24	1.37	1.27	1.37	1.27	1.37
	Left Tilt	0.63	0.39	0.74	0.72	0.90	0.73	0.98	0.75	0.39	0.99	0.75	1.17	0.93	1.25	1.01	1.02	0.78	1.25
	Right Cheek	0.68	0.65	0.78	0.71	0.69	0.74	0.99	0.84	0.62	0.79	0.76	0.77	0.74	1.07	1.04	0.92	0.89	1.07
	Right Tilt	0.46	0.34	0.53	0.45	0.44	0.48	0.84	0.56	0.34	0.59	0.47	0.58	0.46	0.98	0.86	0.70	0.58	0.98
Body worn 15mm	Front	0.22	0.17	0.23	0.23	0.26	0.30	0.27	0.28	0.24	0.28	0.23	0.31	0.26	0.32	0.27	0.33	0.28	0.33
	Rear	0.42	0.35	0.51	0.45	0.47	0.57	0.48	0.50	0.43	0.52	0.45	0.54	0.47	0.55	0.48	0.57	0.50	0.57
Body 10mm	Front	0.31	0.24	0.35	0.33	0.39	0.44	0.38	0.39	0.31	0.40	0.33	0.46	0.39	0.45	0.38	0.46	0.39	0.46
	Rear	0.74	0.63	0.96	0.80	0.80	0.97	0.92	0.88	0.68	0.94	0.83	0.94	0.83	1.06	0.95	1.02	0.91	1.06
	Left	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
	Right	0.78	0.80	0.84	0.86	0.89	1.00	0.94	0.96	0.83	0.86	0.88	0.89	0.91	0.94	0.96	0.96	0.98	1.00
	Bottom	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	Top	0.21	0.11	0.39	0.19	0.11	0.28	0.37	0.26	0.18	0.29	0.19	0.21	0.11	0.47	0.37	0.36	0.26	0.47

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Evaluation of Simultaneous for ENDC +WIFI+BT

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n2 ANT2	LTE B5 ANT1	LTE B12 ANT1			MAX. SAR 1g
Head	Left Cheek	0.64	0.06	0.07			0.71
	Left Tilt	0.20	0.02	0.00			0.20
	Right Cheek	0.23	0.05	0.04			0.23
	Right Tilt	0.14	0.00	0.00			0.14
Body worn 15mm	Front	0.10	0.00	0.00			0.10
	Rear	0.29	0.07	0.08			0.29
Body 10mm	Front	0.19	0.08	0.06			0.19
	Rear	0.59	0.23	0.16			0.59
	Left	0.00	0.12	0.08			0.12
	Right	0.55	0.00	0.00			0.55
	Bottom	0.00	0.07	0.05			0.07
	Top	0.06	0.00	0.00			0.06

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n2 ANT3	LTE B14 ANT1	LTE B30 ANT4	LTE B66 ANT2		MAX. SAR 1g
Head	Left Cheek	0.02	0.05	0.47	0.79		0.81
	Left Tilt	0.00	0.00	0.09	0.34		0.34
	Right Cheek	0.01	0.04	0.49	0.28		0.49
	Right Tilt	0.00	0.00	0.16	0.14		0.16
Body worn 15mm	Front	0.05	0.04	0.17	0.13		0.17
	Rear	0.14	0.08	0.39	0.34		0.39
Body 10mm	Front	0.10	0.06	0.23	0.23		0.23
	Rear	0.28	0.16	0.54	0.58		0.58
	Left	0.00	0.08	0.52	0.00		0.52
	Right	0.00	0.00	0.00	0.78		0.78
	Bottom	0.23	0.06	0.00	0.00		0.23
	Top	0.00	0.00	0.00	0.07		0.07

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n5 ANT1	LTE B2 ANT2	LTE B30 ANT4	LTE B66 ANT2		MAX. SAR 1g
Head	Left Cheek	0.06	0.62	0.47	0.79		0.85
	Left Tilt	0.00	0.14	0.09	0.34		0.34
	Right Cheek	0.04	0.13	0.49	0.28		0.49
	Right Tilt	0.00	0.10	0.16	0.14		0.16
Body worn 15mm	Front	0.07	0.09	0.17	0.13		0.17
	Rear	0.12	0.23	0.39	0.34		0.39
Body 10mm	Front	0.08	0.17	0.23	0.23		0.23
	Rear	0.21	0.49	0.54	0.58		0.58
	Left	0.09	0.00	0.52	0.00		0.52
	Right	0.00	0.55	0.00	0.78		0.78
	Bottom	0.07	0.00	0.00	0.00		0.07
	Top	0.00	0.05	0.00	0.07		0.07

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n7 ANT3	LTE B66 ANT2				MAX. SAR 1g
Head	Left Cheek	0.01	0.79				0.80
	Left Tilt	0.00	0.34				0.34
	Right Cheek	0.01	0.28				0.28
	Right Tilt	0.00	0.14				0.14
Body worn 15mm	Front	0.04	0.13				0.13
	Rear	0.09	0.34				0.34
Body 10mm	Front	0.07	0.23				0.23
	Rear	0.15	0.58				0.58
	Left	0.00	0.00				0.00
	Right	0.00	0.78				0.78
	Bottom	0.10	0.00				0.10
	Top	0.00	0.07				0.07

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Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n12 ANT1	LTE B2 ANT2				MAX. SAR 1g
Head	Left Cheek	0.03	0.62				0.65
	Left Tilt	0.00	0.14				0.14
	Right Cheek	0.04	0.13				0.13
	Right Tilt	0.00	0.10				0.10
Body worn 15mm	Front	0.00	0.09				0.09
	Rear	0.08	0.23				0.23
Body 10mm	Front	0.06	0.17				0.17
	Rear	0.15	0.49				0.49
	Left	0.11	0.00				0.11
	Right	0.00	0.55				0.55
	Bottom	0.06	0.00				0.06
	Top	0.00	0.05				0.05

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n41 ANT4	LTE B2 ANT3	LTE B12 ANT1	LTE B66 ANT3		MAX. SAR 1g
Head	Left Cheek	0.49	0.03	0.07	0.02		0.56
	Left Tilt	0.12	0.02	0.00	0.00		0.12
	Right Cheek	0.75	0.02	0.04	0.00		0.75
	Right Tilt	0.23	0.00	0.00	0.00		0.23
Body worn 15mm	Front	0.15	0.05	0.00	0.00		0.15
	Rear	0.28	0.14	0.08	0.06		0.28
Body 10mm	Front	0.33	0.10	0.06	0.05		0.33
	Rear	0.62	0.30	0.16	0.14		0.62
	Left	0.59	0.00	0.08	0.00		0.59
	Right	0.00	0.00	0.00	0.00		0.00
	Bottom	0.00	0.28	0.05	0.15		0.28
	Top	0.00	0.00	0.00	0.00		0.00

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n48 ANT7	LTE B2 ANT3				MAX. SAR 1g
Head	Left Cheek	0.16	0.03				0.19
	Left Tilt	0.14	0.02				0.14
	Right Cheek	0.63	0.02				0.63
	Right Tilt	0.26	0.00				0.26
Body worn 15mm	Front	0.14	0.05				0.14
	Rear	0.29	0.14				0.29
Body 10mm	Front	0.37	0.10				0.37
	Rear	0.41	0.30				0.41
	Left	0.52	0.00				0.52
	Right	0.00	0.00				0.00
	Bottom	0.00	0.28				0.28
	Top	0.19	0.00				0.19

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n71 ANT0	LTE B2 ANT3	LTE B66 ANT3			MAX. SAR 1g
Head	Left Cheek	0.10	0.03	0.02			0.13
	Left Tilt	0.11	0.02	0.00			0.11
	Right Cheek	0.07	0.02	0.00			0.07
	Right Tilt	0.13	0.00	0.00			0.13
Body worn 15mm	Front	0.03	0.05	0.00			0.05
	Rear	0.08	0.14	0.06			0.14
Body 10mm	Front	0.06	0.10	0.05			0.10
	Rear	0.17	0.30	0.14			0.30
	Left	0.03	0.00	0.00			0.03
	Right	0.00	0.00	0.00			0.00
	Bottom	0.00	0.28	0.15			0.28
	Top	0.16	0.00	0.00			0.16

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Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n78 ANT7	LTE B2 ANT3	LTE B5 ANT1	LTE B12 ANT1	LTE B66/B4 ANT3	MAX. SAR 1g
Head	Left Cheek	0.35	0.03	0.06	0.07	0.02	0.42
	Left Tilt	0.26	0.02	0.02	0.00	0.00	0.26
	Right Cheek	0.72	0.02	0.05	0.04	0.00	0.72
	Right Tilt	0.34	0.00	0.00	0.00	0.00	0.34
Body worn 15mm	Front	0.12	0.05	0.00	0.00	0.00	0.12
	Rear	0.14	0.14	0.07	0.08	0.06	0.14
Body 10mm	Front	0.15	0.10	0.08	0.06	0.05	0.15
	Rear	0.15	0.30	0.23	0.16	0.14	0.30
	Left	0.00	0.00	0.12	0.08	0.00	0.12
	Right	0.00	0.00	0.00	0.00	0.00	0.00
	Bottom	0.00	0.28	0.07	0.05	0.15	0.28
	Top	0.00	0.00	0.00	0.00	0.00	0.00

Position\Band		ENDC-NR	ENDC-LTE				ENDC
		n78 ANT2	LTE B7 ANT4	LTE B38 ANT4			MAX. SAR 1g
Head	Left Cheek	0.06	0.29	0.12			0.35
	Left Tilt	0.05	0.07	0.03			0.07
	Right Cheek	0.00	0.39	0.07			0.39
	Right Tilt	0.00	0.15	0.04			0.15
Body worn 15mm	Front	0.00	0.17	0.00			0.17
	Rear	0.00	0.34	0.04			0.34
Body 10mm	Front	0.00	0.23	0.07			0.23
	Rear	0.01	0.49	0.14			0.49
	Left	0.00	0.58	0.13			0.58
	Right	0.00	0.00	0.00			0.00
	Bottom	0.00	0.00	0.00			0.00
	Top	0.00	0.06	0.07			0.07

Position\Band		1	2	3	4	5	6	7	8	9	10	11
		WWAN	WIFI2.4G ANT8	WIFI2.4G ANT9	WIFI2.4G MIMO	WIFI5G ANT6	WIFI5G ANT9	WIFI5G MIMO	WIFI6E ANT6	WIFI6E ANT9	WIFI6E MIMO	BT ANT8
Head	Left Cheek	0.85	0.19	0.09	0.33	0.37	0.34	0.39	0.37	0.37	0.03	0.02
	Left Tilt	0.34	0.27	0.03	0.38	0.36	0.54	0.37	0.62	0.39	0.03	0.02
	Right Cheek	0.75	0.08	0.05	0.18	0.11	0.09	0.14	0.39	0.24	0.02	0.02
	Right Tilt	0.34	0.14	0.02	0.21	0.13	0.12	0.16	0.52	0.24	0.02	0.00
Body worn 15mm	Front	0.17	0.05	0.00	0.06	0.06	0.09	0.13	0.10	0.11	0.07	0.00
	Rear	0.39	0.07	0.00	0.16	0.10	0.12	0.22	0.13	0.15	0.08	0.01
Body 10mm	Front	0.37	0.07	0.00	0.11	0.09	0.15	0.20	0.14	0.15	0.07	0.01
	Rear	0.62	0.14	0.03	0.36	0.20	0.20	0.37	0.32	0.28	0.08	0.02
	Left	0.59										
	Right	0.78	0.00	0.02	0.06	0.08	0.11	0.22	0.16	0.18	0.05	0.00
	Bottom	0.28										
	Top	0.19	0.10		0.28	0.08		0.17	0.26	0.15	0.07	0.00

Position\Band		Simultaneous Transmission																	MAX. SAR 1g
		1+2+11	1+3+11	1+4+11	1+5+11	1+6+11	1+7+11	1+8+11	1+9+11	1+10+11	1+2+5+11	1+3+5+11	1+2+6+11	1+3+6+11	1+2+8+11	1+3+8+11	1+2+9+11	1+3+9+11	
Head	Left Cheek	1.06	0.96	1.20	1.24	1.21	1.26	1.24	1.24	0.90	1.43	1.33	1.40	1.30	1.43	1.33	1.43	1.33	1.43
	Left Tilt	0.63	0.39	0.74	0.72	0.90	0.73	0.98	0.75	0.39	0.99	0.75	1.17	0.93	1.25	1.01	1.02	0.78	1.25
	Right Cheek	0.85	0.82	0.95	0.88	0.86	0.91	1.16	1.01	0.79	0.96	0.93	0.94	0.91	1.24	1.21	1.09	1.06	1.24
	Right Tilt	0.48	0.36	0.55	0.47	0.46	0.50	0.86	0.58	0.36	0.61	0.49	0.60	0.48	1.00	0.88	0.72	0.60	1.00
Body worn 15mm	Front	0.22	0.17	0.23	0.23	0.26	0.30	0.27	0.28	0.24	0.28	0.23	0.31	0.26	0.32	0.27	0.33	0.28	
	Rear	0.47	0.40	0.56	0.50	0.52	0.62	0.53	0.55	0.48	0.57	0.50	0.59	0.52	0.60	0.53	0.62	0.55	
Body 10mm	Front	0.45	0.38	0.49	0.47	0.53	0.58	0.52	0.53	0.45	0.54	0.47	0.60	0.53	0.59	0.52	0.60	0.53	0.60
	Rear	0.78	0.67	1.00	0.84	0.84	1.01	0.96	0.92	0.72	0.98	0.87	0.98	0.87	1.10	0.99	1.06	0.95	1.10
	Left	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
	Right	0.78	0.80	0.84	0.86	0.89	1.00	0.94	0.96	0.83	0.86	0.88	0.89	0.91	0.94	0.96	0.96	0.98	1.00
	Bottom	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	Top	0.29	0.19	0.47	0.27	0.19	0.36	0.45	0.34	0.26	0.37	0.27	0.29	0.19	0.55	0.45	0.44	0.34	0.55

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.

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Evaluation of Total exposure ratio for WWAN+WIFI6E PD+BT

	Position	Main antenna	PD (WiFi 6E MIMO)	BT	Total exposure ratio
Highest SAR value for Head	Left Cheek	1.01 (GSM1900 ANT2)	2.69 (WiFi6E ANT9)	0.02	**0.91**
Highest SAR value for Body	Rear 2mm	0.89 (WCDMA1700 ANT2)	0.13 (WiFi6E ANT6)	0.02	**0.58**
Highest SAR value for Body	Right 2mm	1.18 (WCDMA1700 ANT2)	<0.01 (WiFi6E ANT6)	<0.01	**0.74**

Conclusion:

Total exposure ratio calculated by taking ratio of reported SAR divided by SAR limit and adding it to measured power density divided by power density limit. Numerical sum of the two ratios is less than 1.

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14 Measurement Uncertainty

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

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

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

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

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

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

14.3 SAR Uncertainty Budget (6GHz~10GHz)

No.	Error Description	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors								
1	Probe calibration	18.6	N	2	1	1	9.3	9.3
2	Probe Calibration Drift	1.0	R	$\sqrt{3}$	1	1	1.0	1.0
3	Probe Linearity	4.7	R	$\sqrt{3}$	1	1	2.7	2.7
4	Broadband Signal	3.0	N	2	1	1	1.5	1.5
5	Probe Isotropy	7.6	R	$\sqrt{3}$	1	1	4.4	4.4
6	Data Acquisition	0.3	N	1	1	1	0.3	0.3
7	RF Ambient	1.8	N	1	1	1	1.8	1.8
8	Probe Positioning	0.2	N	1	0.67	0.67	0.1	0.1
9	Data Processing	3.5	N	1	1	1	3.5	3.5
Phantom and Device Errors								
10	Conductivity (meas.)^{DAK}	2.5	N	1	0.78	0.71	2.0	1.8
11	Conductivity (temp.)^{BB}	2.4	R	$\sqrt{3}$	0.78	0.71	1.1	1.0
12	Phantom Permittivity	14.0	R	$\sqrt{3}$	0.5	0.5	4.0	4.0
13	Distance DUT - TSL	2.0	N	1	2	2	4.0	4.0
14	Device Holder	3.6	N	1	1	1	3.6	3.6
15	DUT Modulation^{m}	2.4	R	$\sqrt{3}$	1	1	1.4	1.4
16	Time-average SAR	2.6	R	$\sqrt{3}$	1	1	1.5	1.5
17	DUT drift	5.0	N	1	1	1	2.9	2.9
Correction to the SAR results								
18	Deviation to Target	1.9	N	1	1	0.84	1.9	1.6

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19	SAR scaling[p]	0	R	$\sqrt{3}$	1	1	0	0
Combined standard uncertainty							14.1	14.0
Expanded uncertainty (confidence interval of 95 %)							28.1	28.0

14.4 PD Uncertainty Budget

The budget is valid for evaluation distance ＞λ/2π. For specific tests and configurations, the uncertainty can be considered smaller.

Error Description		Unc. Value (±dB)	Prob. Dist.	Div.	(C_i)	Std.Unc. (±dB)	(V_i) V_{eff}
Uncertainty terms dependent on the measurement system							
CAL	Calibration	0.49	N	1	1	0.49	∞
FRS	Frequency response	0.20	R	$\sqrt{3}$	1	0.12	∞
ISO	Isotropy	0.50	R	$\sqrt{3}$	1	0.29	∞
LIN	Linearity	0.20	R	$\sqrt{3}$	1	0.12	∞
PPO	Probe positioning offset	0.30	R	$\sqrt{3}$	1	0.17	∞
PPR	Probe positioning repeatability	0.04	R	$\sqrt{3}$	1	0.02	∞
APN	Amplitude and phase noise	0.04	R	$\sqrt{3}$	1	0.02	∞
DAQ	Data acquisition	0.03	N	1	1	0.03	∞
REC	Field reconstruction	0.60	R	$\sqrt{3}$	1	0.35	∞
SAV	Spatial averaging	0.10	R	$\sqrt{3}$	1	0.06	∞
SDL	System detection limit	0.04	R	$\sqrt{3}$	1	0.02	∞
Uncertainty terms dependent on the DUT and environmental factors							
MOD	Modulation response	0.40	R	$\sqrt{3}$	1	0.23	∞
DH	Device holder influence	0.10	R	$\sqrt{3}$	1	0.06	∞
AC	RF ambient conditions	0.04	R	$\sqrt{3}$	1	0.02	∞
AR	Ambient reflections	0.04	R	$\sqrt{3}$	1	0.02	∞
DRI	Drift of the DUT	0.02	R	$\sqrt{3}$	1	0.01	∞
Combined Standard Uncertainty						0.76	∞
Expanded Standard Uncertainty (95%)						1.52	

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15 MAIN TEST INSTRUMENTS

Table 15.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	N5239A	MY55491241	May 15, 2025	One year
02	Power sensor	NRP50S	101488	May 30, 2025	One year
03	Power sensor	NRP50S	101489		
04	Signal Generator	E4438C	MY49071430	December 19 2024	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	159889	January 21, 2025	One year
07	DAE	DAE4ip	1832	December 31,2024	One year
08	E-field Probe	EX3DV4	7825	November 11,2024	One year
09	DAE	DAE4	1834	November 25,2024	One year
10	E-field Probe	EX3DV4	7464	January 28,2025	One year
11	DAE	DAE4	549	October 30,2024	One year
12	EummWV Probe	EummWV4	9492	January 10, 2025	One year
13	Dipole Validation Kit	D750V3	1017	July 9,2024	One year
14	Dipole Validation Kit	D835V2	4d069	July 9,2024	One year
15	Dipole Validation Kit	D1800V2	2d145	July 11,2024	One year
16	Dipole Validation Kit	D1900V2	5d101	July 8,2024	One year
17	Dipole Validation Kit	D2300V2	1018	July 10,2024	One year
18	Dipole Validation Kit	D2450V2	853	July 10,2024	One year
19	Dipole Validation Kit	D2600V2	1012	July 10,2024	One year
20	Dipole Validation Kit	D3500V2	1016	June 13,2024	One year
21	Dipole Validation Kit	D3700V2	1004	June 13,2024	One year
22	Dipole Validation Kit	D5GHzV2	1060	June 12,2024	One year
23	Dipole Validation Kit	D6.5GHzV2	1059	October 07,2024	One year
24	5G Verification Source	10 GHz	1005	January 14,2025	One year

END OF REPORT BODY

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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 G-Sensor Triggering Data Summary

ANNEX J Accreditation Certificate

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