



No. 25T04Z100361-019



SAR TEST REPORT

No. 25T04Z100361-019

For

Luxshare Precision Limited

5G Mobile Phone

Model Name: TMRV085G

with

Hardware Version: V1.0

Software Version: TMRV085G_0.02.01

FCC ID: 2BNRMTMRV085G

Issued Date: 2025-6-11

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
25T04Z100361-019	Rev.0	2025-05-26	Initial creation of test report
25T04Z100361-019	Rev.1	2025-06-04	Update information for the frequency range of 5G WLAN in Chapter 4; Update information for DSI3 with receiver on+WLAN on page 36 and 192; Update information for the tune up power of N41 PC2 ANT3 DSI 5 (22dBm) on page 197; Add tune up power of ULMIMO-N41 ANT2 DSI 1(21 dBm) on page 201; Update tune up power of N48 ANT4 DSI 5 (16dBm) to N48 ANT4 DSI 3(16dBm) on page 204.
25T04Z100361-019	Rev.2	2025-06-09	Update information for the GSM 850(8PSK)ANT3 DSI2 tune up on Chapter 11.1
25T04Z100361-019	Rev.3	2025-06-11	Update information for the tune up power of ULMIMO-N41 ANT2 DSI 1(21 dBm) in section 12;

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1 Test Laboratory

1.1 Introduction & Accreditation

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

1.2 Testing Location

Location 1: CTTL(huayuan North Road)

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

1.3 Testing Environment

Normal Temperature: 18-25°C
Relative Humidity: 30-70%

1.4 Project data

Testing Start Date: 2025-04-02
Testing End Date: 2025-05-23

1.5 Signature



Zhang Xin
(Prepared this test report)



Lin Jun
(Reviewed this test report)



Qi Dianyuan
Deputy Director of the laboratory
(Approved this test report)

2 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Luxshare

Precision Limited 5G Mobile Phone TMRV085G is as follows:

Table 2.1: Highest Reported SAR (1g)

Mode		Antenna	Highest Reported SAR (1g)			
			1g SAR Head	1g SAR Hotspot	1g SAR Body-worn	10-g SAR Phablet
GSM	GSM 850	0	0.15	0.52	0.52	\
	GSM 850	3	0.90	0.30	0.30	\
	PCS 1900	1	0.14	0.27	0.37	\
	PCS 1900	3	0.63	0.58	0.41	\
WCDMA	UMTS FDD 5	0	0.35	0.96	0.48	\
	UMTS FDD 5	3	1.21	0.46	0.46	\
	UMTS FDD 4	1	0.37	0.64	0.64	\
	UMTS FDD 4	3	1.21	0.57	0.71	\
	UMTS FDD 2	1	0.41	0.64	0.64	\
	UMTS FDD 2	3	1.08	0.60	0.46	\
LTE	LTE Band 7	3	1.05	1.00	0.31	\
	LTE Band 12	0	0.10	0.23	0.20	\
	LTE Band 12	3	0.49	0.18	0.16	\
	LTE Band 25	1	0.44	0.47	0.45	\
	LTE Band 25	3	0.85	1.07	0.42	1.70
	LTE Band 26	0	0.29	0.71	0.41	\
	LTE Band 26	3	0.91	0.44	0.44	\
	LTE Band 41 PC3	1	0.09	0.30	0.88	\
	LTE Band 41 PC3	3	1.29	0.78	0.42	\
	LTE Band 41 PC2	1	0.11	0.31	1.19	\
	LTE Band 41 PC2	3	1.22	0.87	0.44	\
	LTE Band 48	4	0.89	0.64	0.27	\
	LTE Band 48	2	0.13	1.01	0.63	1.20
	LTE Band 66	1	0.31	0.30	0.18	\
	LTE Band 66	3	0.90	0.58	0.50	\
	LTE Band 71	0	0.19	0.24	0.22	\
	LTE Band 71	3	0.37	0.20	0.20	\
NR	N25	1	0.44	0.55	0.59	\
	N25	3	0.90	0.52	0.47	\
	N41	1	0.41	0.51	0.42	2.61
	N41	2	0.07	0.29	0.29	\
	N41	3	0.93	0.52	0.49	\
	N48	2	0.40	0.57	0.96	1.07
	N48	4	1.17	0.75	0.64	\
	N66	1	0.42	0.53	0.58	\
	N66	3	1.23	0.62	0.40	\
	N71	0	0.21	0.27	0.26	\

	N71	3	0.40	0.16	0.16	\
	N78	2	0.38	0.37	0.86	\
	N78	4	0.96	1.05	0.15	\
	WLAN 2.4 GHz	5	0.83	0.33	0.16	\
	WLAN 5 GHz	5	1.19	1.17	0.39	\
	BT	5	0.04	0.01	0.01	\
	NFC	9	<0.01	<0.01	<0.01	\

Note:The device have similar frequency in some LTE bands : LTE Band2/25, LTE Band4/66, LTE Band5/26, since the supported frequency spans for the smaller LTE bands are completely cover by the larger LTE bands and the channel bandwidth and other operating parameters for the smaller band be fully supported by the larger band, therefore, only larger LTE bands were required to be tested for SAR.

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

For body operation, this device has been tested and meets FCC RF exposure guidelines when used with any accessory that contains no metal and which provides a minimum separation distance of 10 mm 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:1.29 W/kg(1g)

Hotspot: 1.17 W/kg(1g)

Body-worn: 1.19 W/kg(1g)

Table 2.2: The sum of SAR values for WWAN + WiFi

	Position	Main antenna	WiFi2.4G	Sum
Highest SAR value	Right Cheek 0mm	1.08 (WCDMA B2 ANT3)	0.19 (WiFi2.4G)	1.27

Table 2.3: The sum of SAR values for WWAN + WiFi

	Position	Main antenna	WiFi2.4G	Sum
Highest SAR value	Top 10mm	1.07 (LTE B25 ANT3)	0.21 (WiFi2.4G)	1.28

According to the above tables, the highest sum of reported SAR values is **1.28 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.

3 Client Information

3.1 Applicant Information

Company Name:	Luxshare Precision Limited
Address/Post:	Suite 1621, 16/F., Ocean Centre, Harbour City, 5 Canton Road, Tsim Sha Tsui, Kowloon.
Contact Person:	Ri Sa
Contact Email:	Rui.Sha@luxshare-ict.com
Telephone:	+8613917939276
Fax	\

3.2 Manufacturer Information

Company Name:	Luxshare Precision Limited
Address/Post:	Suite 1621, 16/F., Ocean Centre, Harbour City, 5 Canton Road, Tsim Sha Tsui, Kowloon.
Contact Person:	Ri Sa
Contact Email:	Rui.Sha@luxshare-ict.com
Telephone:	+8613917939276
Fax	\

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

4.1 About EUT

Description:	5G Mobile Phone		
Model name:	TMRV085G		
Tested Band:	GSM850/1900, WCDMA B2/4/B5 LTE Band2/4/5/7/12/25/26/41/48/66/71 5G NR N25/41/48/66/71/78 BT, Wi-Fi(2.4G), Wi-Fi(5G),NFC		
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)		
	1850 – 1915 MHz(LTE Band 25)		
	814 – 849 MHz (LTE Band 26)		
	2496 – 2690 MHz (LTE Band 41)		
	3550-3700 MHz (LTE Band 48)		
	1710 – 1780 MHz (LTE Band 66)		
	665.5 – 695.5 MHz (LTE Band 71)		
	2412 – 2462 MHz (Wi-Fi 2.4G)		
	5180 – 5240 MHz	(Wi-Fi 5G)	
	5260 – 5320 MHz		
	5500 – 5720 MHz		
	5745 – 5825 MHz		
	2400 – 2483.5 MHz (Bluetooth)		
	1850 – 1915 MHz(n25)		
	2496 – 2690 MHz (n41)		
	3550-3700 MHz (n48)		
	1710– 1780 MHz (n66)		
	663–698 MHz (n71)		
	3450 – 3550 MHz (n78)		
	13.56 MHz (NFC)		
GPRS/EGPRS Multislot Class:	33		
Test device production information:	Production unit		
Device type:	Portable device		
Antenna type:	Integrated antenna		
Hotspot mode:	Support		

4.2 Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version
EUT1	866690080001168/866690080002356	V1.0	TMRV085G_0.02.01
EUT2	866690080001176/866690080002364	V1.0	TMRV085G_0.02.01
EUT3	866690080001242/866690080002430	V1.0	TMRV085G_0.02.01
EUT4	866690080000665/866690080001853	V1.0	TMRV085G_0.02.01
EUT5	866690080000772/866690080001960	V1.0	TMRV085G_0.02.01
EUT6	866690080001085/866690080002273	V1.0	TMRV085G_0.02.01

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

Note: It is performed to test SAR with the EUT1~3 and conducted power with the EUT4~6.

4.3 Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer
AE1	Battery	TM002	/	Jiade Energy Technology(Zhuhai) Co.,Ltd.

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

5 TEST METHODOLOGY

5.1 Applicable Limit Regulations

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

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

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

5.2 Applicable Measurement Standards

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

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

5.3 KDB and Workshop Procedures

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

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

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

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

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

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

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

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

TCB Workshop April 27, 2022:RF Exposure Procedures

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

6 Smart Transmit feature for RF Exposure compliance

The FCC RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with FCC RF exposure limit over a defined time window for SAR (transmit frequency $\leq 6\text{GHz}$). To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.

The purpose of the Part 1 test in this report is to demonstrate that the device meets the FCC SAR limits when transmitting in static transmission scenario at maximum allowable time-averaged power levels. The parameters obtained from SAR characterization (referred to as SAR char, respectively) will be used as input for Smart Transmit. SAR char will be entered via the Embedded File System (EFS) to enable the Smart Transmit Feature.

WLAN/BT operations are not enabled with Smart Transmit.

Term	Description
P_{limit}	The time-averaged RF power which corresponds to SAR_design_target.
P_{max}	Maximum target power level
SAR_design_target:	The design target for SAR compliance. It should be less than regulatory power density limit to account for all device design related uncertainties.
SAR Char	P_{limit} for all the technologies/bands for all applicable DSI

Smart Transmit allows the device to transmit at higher power instantaneously, as high as P_{max} , when needed, but enforces power limiting to maintain time-averaged transmit power to P_{limit} . Below table shows P_{limit} EFS settings and maximum tune up output power P_{max} configured for this EUT for various transmit conditions (Device State Index DSI).

<P_{limit} for supported technologies and bands (P_{limit} in EFS file)>

Band	ANT	P _{limit}										P _{max}
		DSI 1 Hotspot	DSI 2 receiver on Standalone	DSI 3 receiver off+WLAN	DSI 4 sensor on Standalone ANT0/1	DSI 5 sensor on Standalone ANT3	DSI 6 sensor on Standalone ANT4	DSI 9 sensor on +WLAN ANT0/1	DSI 10 sensor on +WLAN ANT3	DSI 11 sensor on +WLAN ANT4	DSI 14 sensor off	
GSM_B850	0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33
GSM_B850	3	33.0	32.0	31.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33
GSM_B1900	1	28.0	30.0	30.0	30.0	30.0	30.0	28.0	30.0	30.0	30.0	30
GSM_B1900	3	28.0	25.0	25.0	30.0	30.0	30.0	30.0	28.0	30.0	30.0	30
WCDMA_B2	1	22.5	24.5	24.5	22.5	24.5	24.5	22.5	24.5	24.5	24.5	24.5
WCDMA_B2	3	21.5	16.5	16.5	24.5	22.5	24.5	24.5	21.5	24.5	24.5	24.5
WCDMA_B4	1	22.5	24.5	24.5	22.5	24.5	24.5	22.5	24.5	24.5	24.5	24.5
WCDMA_B4	3	21.5	18.5	17.5	24.5	22.5	24.5	24.5	21.5	24.5	24.5	24.5
WCDMA_B5	0	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
WCDMA_B5	3	24.5	23.5	21.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
LTE_B2	1	21.0	24.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24.0	24
LTE_B2	3	21.0	16.0	16.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24
LTE_B4	1	21.0	24.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24.0	24
LTE_B4	3	21.0	18.0	16.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24
LTE_B5	0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B5	3	24.0	23.0	22.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B7	3	20.0	18.0	18.0	23.0	20.0	23.0	23.0	20.0	23.0	23.0	23
LTE_B12	0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B12	3	24.0	23.0	22.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B25	1	21.0	24.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24.0	24
LTE_B25	3	21.0	16.0	16.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24
LTE_B26	0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B26	3	24.0	23.0	22.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B66	1	21.0	24.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24.0	24
LTE_B66	3	21.0	18.0	16.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24
LTE_B71	0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B71	3	24.0	23.0	22.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
LTE_B41-PC2	3	21.0	19.0	18.0	26.0	21.0	26.0	26.0	21.0	26.0	26.0	26
LTE_B41-PC2	1	18.0	26.0	26.0	23.0	26.0	26.0	22.0	26.0	26.0	26.0	26
LTE_B41-PC3	3	20.5	18.5	17.5	24.0	20.5	24.0	24.0	20.5	24.0	24.0	24
LTE_B41-PC3	1	17.5	24.0	24.0	22.5	24.0	24.0	21.5	24.0	24.0	24.0	24
LTE_B48	4	21.0	16.0	15.0	24.0	24.0	21.0	24.0	24.0	21.0	24.0	24
LTE_B48	2	17.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23
NR5G_N25	1	21.0	24.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24.0	24
NR5G_N25	3	20.0	16.0	16.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24
NR5G_N66	1	21.0	24.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24.0	24
NR5G_N66	3	21.0	18.0	16.0	24.0	22.0	24.0	24.0	21.0	24.0	24.0	24
NR5G_N71	0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
NR5G_N71	3	24.0	23.0	22.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24
NR5G_N41-PC2	3	20.0	17.0	16.0	26.0	21.0	26.0	26.0	21.0	26.0	26.0	26
NR5G_N41-PC2	1	20.0	26.0	26.0	23.0	26.0	26.0	23.0	26.0	26.0	26.0	26
NR5G_N41-PC3	3	18.0	16.0	16.0	22.0	21.0	22.0	22.0	18.0	22.0	22.0	22
NR5G_N41-PC3	2	20.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22
NR5G_N48	4	21.0	17.0	15.0	24.0	24.0	21.0	24.0	24.0	21.0	24.0	24
NR5G_N48	2	18.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23
NR5G_N78-PC3	4	20.0	14.0	12.0	24.0	24.0	20.0	24.0	24.0	20.0	24.0	24
NR5G_N78-PC3	2	18.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23

Note:

- 1 When P_{max} < P_{limit}, the DUT will operate at a power level up to P_{max}.
- 2 P_{max} is used for RF tune up procedure. The maximum allowed output power is equal to P_{max} + device uncertainty.

7 Specific Absorption Rate (SAR)

7.1 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.

7.2 SAR Definition

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

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

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be either related to the temperature elevation in tissue by

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

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

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

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

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

8 Tissue Simulating Liquids

8.1 Targets for tissue simulating liquid

Table 8.1: Targets for tissue simulating liquid(frequency <3GHz)

Frequency(MHz)	Liquid Type	Conductivity(σ)	$\pm 10\%$ Range	Permittivity(ϵ)	$\pm 10\%$ Range
750	Head	0.89	0.80~0.98	41.94	37.75~46.13
900	Head	0.97	0.87~1.07	41.5	37.35~45.65
1800	Head	1.40	1.26~1.54	40.0	36~44
1900	Head	1.40	1.26~1.54	40.0	36~44
2000	Head	1.40	1.26~1.54	40.0	36~44
2300	Head	1.67	1.50~1.84	39.47	37.5~41.4
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

Table 8.2: Targets for tissue simulating liquid(frequency >3GHz)

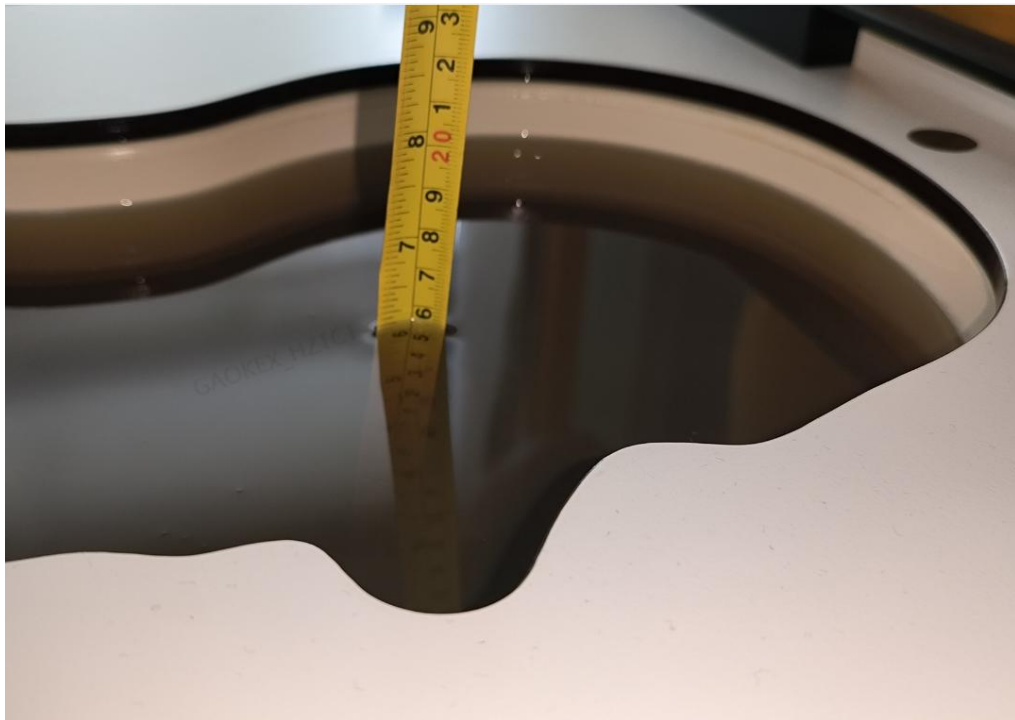
Frequency(MHz)	Liquid Type	Conductivity(σ)	$\pm 5\%$ Range	Permittivity(ϵ)	$\pm 5\%$ Range
3300	Head	2.71	2.57~2.85	38.2	36.29~40.11
3500	Head	2.91	2.76~3.06	37.93	36.03~39.83
3700	Head	3.22	3.06~3.38	37.6	35.72~39.48
3900	Head	3.32	3.15~3.49	37.5	35.63~39.38
4200	Head	3.63	3.45~3.81	37.1	35.25~38.96
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

8.2 Dielectric Performance

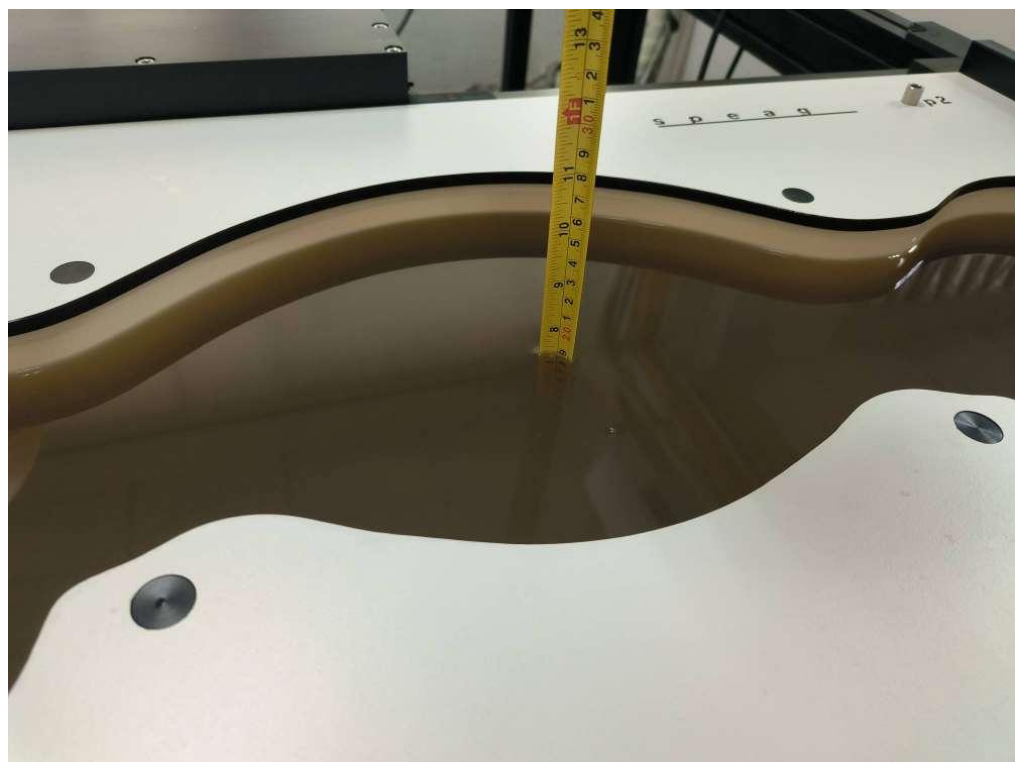
Table 8.2: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Type	Frequency	Permittivity ϵ	Drift (%)	Conductivity σ (S/m)	Drift (%)
2025/4/2	Head	750 MHz	44.64	6.44	0.861	-3.26
2025/4/7	Head	835 MHz	44.4	6.99	0.8947	-0.59
2025/4/11	Head	1750 MHz	42.02	4.84	1.4	2.19
2025/4/14	Head	1900 MHz	41.66	4.15	1.507	7.64
2025/4/16	Head	2450 MHz	40.57	3.49	1.925	6.94
2025/4/18	Head	2600 MHz	40.21	3.08	2.036	3.88
2025/4/24	Head	3700 MHz	37.89	0.50	3.005	-3.69
2025/4/29	Head	5250 MHz	34.95	-2.73	4.644	-1.40
2025/4/29	Head	5600 MHz	34.28	-3.52	5.213	2.82
2025/4/29	Head	5750 MHz	33.92	-4.07	5.227	0.13
2025/4/26	Head	13 MHz	53.32	-3.05	0.727	-3.07

Note: The liquid temperature is 22.0°C



Picture 8-1 Liquid depth in the Head Phantom

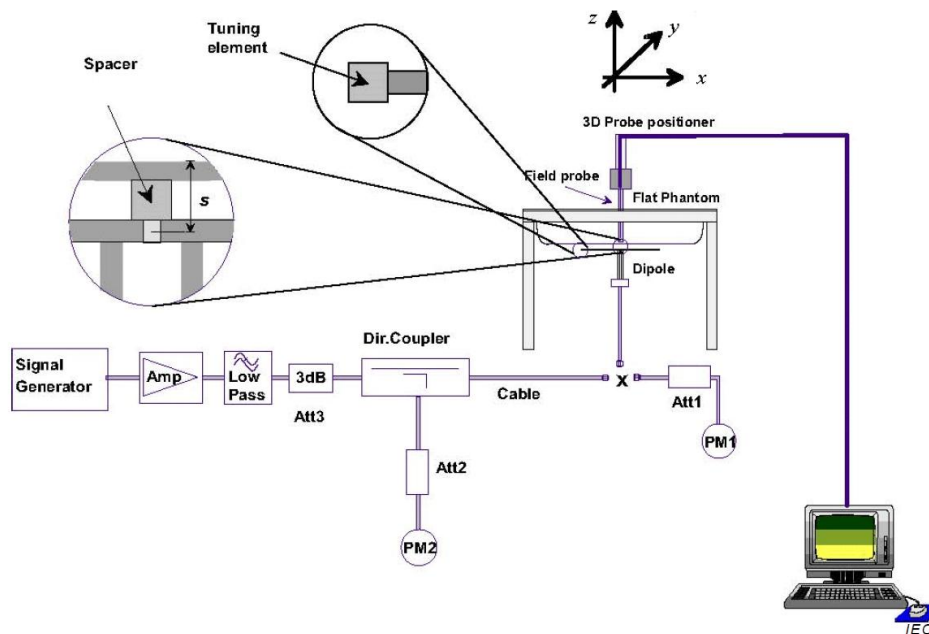


Picture 8-2 Liquid depth in the Flat Phantom

9 System verification

9.1 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 9-1 System Setup for System Evaluation



Picture 9-2 Photo of Dipole Setup

9.2 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 9.1: 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
2025/4/2	750 MHz	5.53	8.52	5.40	8.32	-2.35%	-2.35%
2025/4/7	835 MHz	6.09	9.47	6.04	9.36	-0.82%	-1.16%
2025/4/11	1750 MHz	19.8	37.2	20.2	37.6	2.02%	1.18%
2025/4/14	1900 MHz	20.6	39.1	21.1	39.9	2.33%	2.10%
2025/4/16	2450 MHz	24.5	52.2	25.0	53.2	2.04%	1.84%
2025/4/18	2600 MHz	24.8	54.9	24.5	54.5	-1.13%	-0.69%
2025/4/24	3700 MHz	24.9	68.70	23.9	68.9	-4.02%	0.29%
2025/4/29	5250 MHz	22.4	78.3	22.6	77.8	0.89%	-0.64%
2025/4/29	5600 MHz	23.2	81.7	22.5	81.0	-3.02%	-0.86%
2025/4/29	5750 MHz	22.8	79.9	22.1	79.1	-3.07%	-1.00%
2025/4/26	13 MHz	0.348	0.565	0.326	0.528	-6.32%	-6.55%

10 Measurement Procedures

10.1 Tests to be performed

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

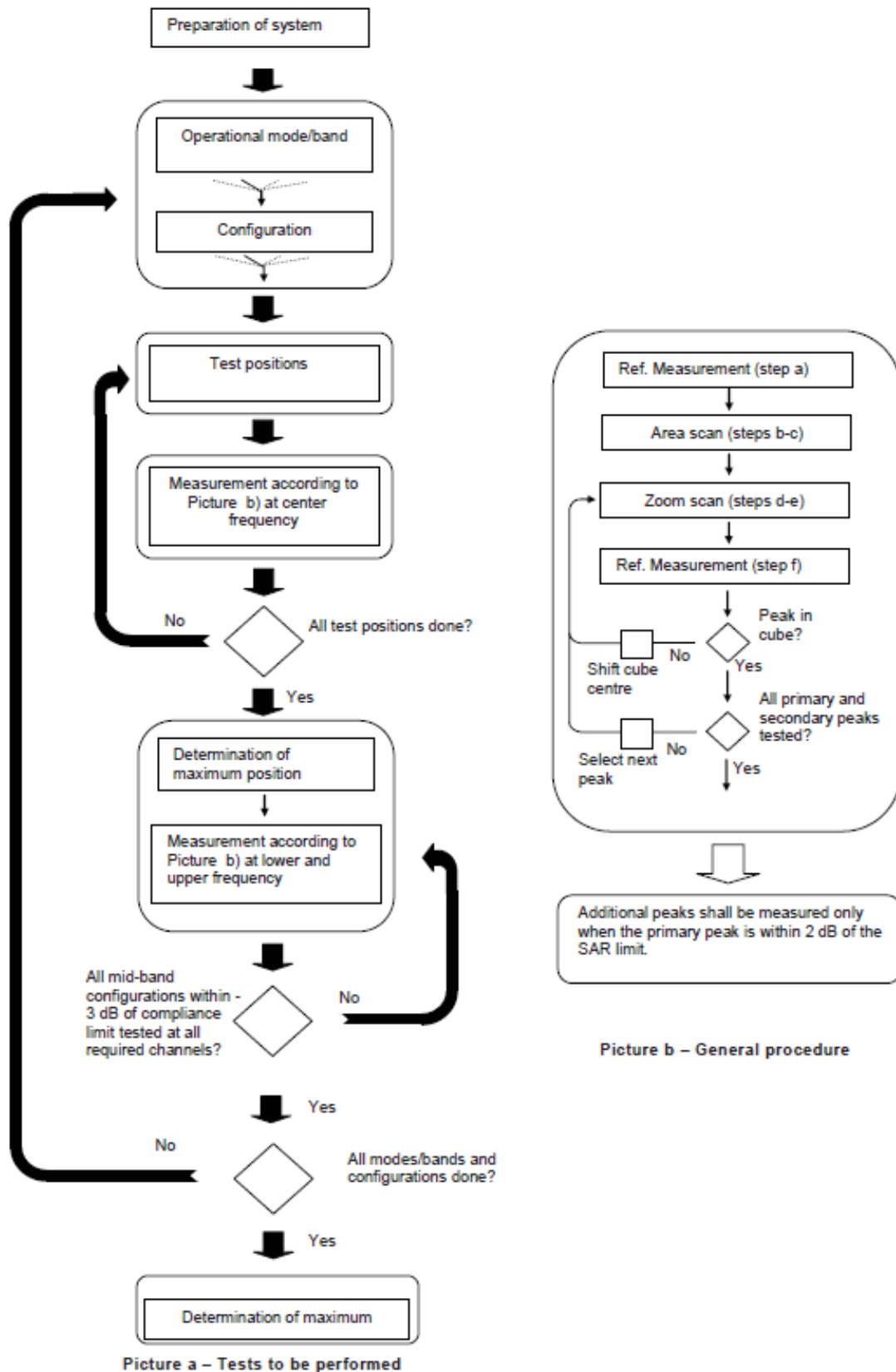
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the centre of the transmit frequency band (f_c) for:

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

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

Step 2: For the condition providing highest peak spatial-average SAR determined in Step 1, perform all tests described in 9.2 at all other test frequencies, i.e., lowest and highest frequencies. In addition, for all other conditions (device position, configuration and operational mode) where the peak spatial-average SAR value determined in Step 1 is within 3 dB of the applicable SAR limit, it is recommended that all other test frequencies shall be tested as well.

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



Picture 10-1 Block diagram of the tests to be performed

10.2 General Measurement Procedure

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

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

10.3 WCDMA Measurement Procedures for SAR

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

For Release 5 HSDPA Data Devices:

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

For Release 6 HSPA Data Devices

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

Rel.8 DC-HSDPA (Cat 24)

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

10.4 SAR Measurement for LTE

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

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

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

1) QPSK with 1 RB allocation

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

2) QPSK with 50% RB allocation

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

3) QPSK with 100% RB allocation

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

TDD test:

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

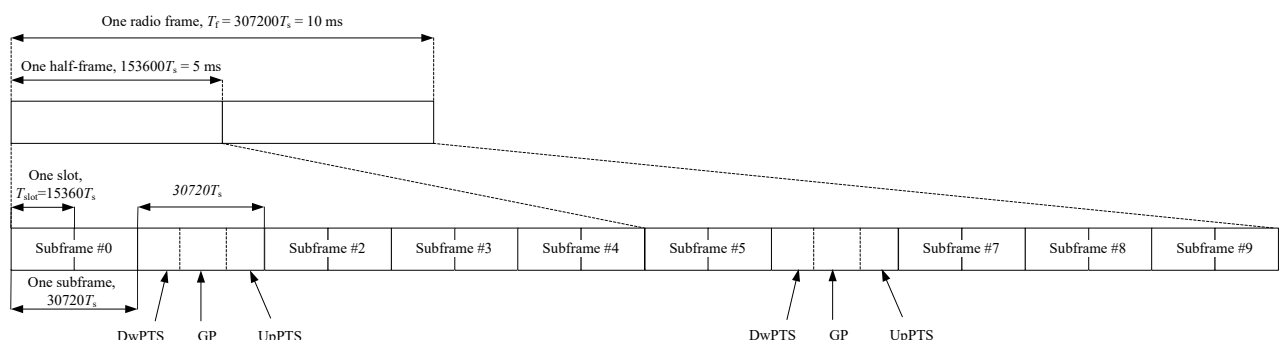


Figure 6: Frame structure type 2 (for 5 ms switch-point periodicity)

Table 10.1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

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

Table 10.2: Uplink-downlink configurations

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

Duty factor is calculated by:

$$\begin{aligned}
 \text{Duty factor} &= \text{uplink frame} \cdot 6 + \text{UpPTS} \cdot 2 / \text{one frame length} \\
 &= (30720 \cdot T_s \cdot 6 + 5120 \cdot T_s \cdot 2) / 307200 \cdot T_s \\
 &= 0.633
 \end{aligned}$$

10.5 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.

10.6 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.

10.7 Power Drift

To control the output power stability during the SAR test, DASY5 system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. These drift values can be found in section 14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

11 Conducted Output Power

All conducted power measurements for 2G/3G/4G WWAN technologies and bands in this section were performed by setting Reserve_power_margin (Qualcomm® Smart Transmit EFS entry) to 0dB, so that the EUT transmits continuously at minimum (P_{limit}, maximum tune up output power P_{max}).The details of test scenarios categorization in the table below

Hotspot	Receiver on Standalone	receiver on+WLAN	sensor on Standalone ANT0/1	sensor on Standalone ANT3
DSI 1	DSI 2	DSI 3	DSI 4	DSI 5
sensor on Standalone ANT4	sensor on +WLAN ANT0/1	sensor on +WLAN ANT3	sensor on +WLAN ANT4	sensor off
DSI 6	DSI 9	DSI 10	DSI 11	DSI 14

11.1 GSM Measurement result

GSM850 ANT0 DSI14/1/2

GSM850	Conducted Power (dBm)							
	Channel 251(848.8MHz)	Channel 190(836.6MHz)	Channel 128(824.2MHz)					
	33.46	33.52	33.09	34.00				
GSM 850	Measured Power (dBm)				calculation (dB)	Measured Power (dBm)		
GPRS (GMSK)	251	190	128			251	190	128
1 Txslot	33.62	33.58	33.28	34.00	-9.03	24.59	24.55	24.25
2 Txslots	30.45	30.52	29.92	31.00	-6.02	24.43	24.50	23.90
3Txslots	28.41	28.06	27.35	29.00	-4.26	24.15	23.80	23.09
4 Txslots	25.97	26.49	25.99	27.00	-3.01	22.96	23.48	22.98
GSM 850	Measured Power (dBm)				calculation (dB)	Measured Power (dBm)		
EGPRS (GMSK)	251	190	128			251	190	128
1 Txslot	33.54	33.48	33.01	34.00	-9.03	24.51	24.45	23.98
2 Txslots	30.95	30.52	29.98	31.00	-6.02	24.93	24.50	23.96
3Txslots	28.33	27.99	27.41	29.00	-4.26	24.07	23.73	23.15
4 Txslots	26.87	26.56	26.07	27.00	-3.01	23.86	23.55	23.06
GSM 850	Measured Power (dBm)				calculation (dB)	Measured Power (dBm)		
EGPRS (BPSK)	251	190	128			251	190	128
1 Txslot	26.23	26.65	26.40	28.00	-9.03	17.20	17.62	17.37
2 Txslots	24.17	24.06	23.82	25.00	-6.02	18.15	18.04	17.80
3Txslots	22.40	22.56	22.67	23.00	-4.26	18.14	18.30	18.41
4 Txslots	21.72	21.60	21.93	22.00	-3.01	18.71	18.59	18.92

GSM850 ANT3 DSI14/1

GSM850	Conducted Power (dBm)							
	Channel 251(848.8MHz)	Channel 190(836.6MHz)	Channel 128(824.2MHz)					
	33.58	33.29	33.03	34.00				
GSM 850	Measured Power (dBm)				calculation (dB)	Measured Power (dBm)		
GPRS (GMSK)	251	190	128			251	190	128
1 Txslot	33.75	33.41	33.11	34.00	-9.03	24.72	24.38	24.08
2 Txslots	30.43	29.99	29.73	31.00	-6.02	24.41	23.97	23.71
3Txslots	27.93	27.62	27.35	29.00	-4.26	23.67	23.36	23.09
4 Txslots	26.55	26.39	26.00	27.00	-3.01	23.54	23.38	22.99
GSM 850	Measured Power (dBm)				calculation (dB)	Measured Power (dBm)		
EGPRS (GMSK)	251	190	128			251	190	128
1 Txslot	33.65	33.34	33.02	34.00	-9.03	24.62	24.31	23.99
2 Txslots	30.38	30.05	29.63	31.00	-6.02	24.36	24.03	23.61
3Txslots	27.98	27.68	27.27	29.00	-4.26	23.72	23.42	23.01
4 Txslots	26.59	26.32	25.94	27.00	-3.01	23.58	23.31	22.93
GSM 850	Measured Power (dBm)				calculation (dB)	Measured Power (dBm)		
EGPRS (BPSK)	251	190	128			251	190	128
1 Txslot	26.69	26.72	26.71	28.00	-9.03	17.66	17.69	17.68
2 Txslots	24.18	24.77	23.97	25.00	-6.02	18.16	18.75	17.95
3Txslots	22.73	22.69	22.70	23.00	-4.26	18.47	18.43	18.44
4 Txslots	21.84	21.89	21.92	22.00	-3.01	18.83	18.88	18.91

GSM850 ANT3 DSI2

GSM850	Conducted Power (dBm)			TUNE UP	
	Channel 251(848.8MHz)	Channel 190(836.6MHz)	Channel 128(824.2MHz)		
	32.14	32.06	32.21	33.00	
GSM 850	Measured Power (dBm)			TUNE UP	
GPRS (GMSK)	251	190	128		
1 Txslot	32.86	32.64	32.20	33.00	calculation (dB)
2 Txslots	29.32	29.00	28.56	30.00	-9.03
3Txslots	27.03	27.35	26.86	28.00	-6.02
4 Txslots	25.52	25.18	25.31	26.00	-4.26
GSM 850	Measured Power (dBm)				
EGPRS (GMSK)	251	190	128		
1 Txslot	32.89	32.65	32.28	33.00	calculation (dB)
2 Txslots	29.33	29.02	29.17	30.00	-9.03
3Txslots	27.26	27.30	27.13	28.00	-6.02
4 Txslots	25.42	25.17	25.40	26.00	-4.26
GSM 850	Measured Power (dBm)				
EGPRS (BPSK)	251	190	128		
1 Txslot	26.69	26.72	26.71	28.00	calculation (dB)
2 Txslots	24.18	24.77	23.97	25.00	-9.03
3Txslots	22.73	22.69	22.70	23.00	-6.02
4 Txslots	21.84	21.89	21.92	22.00	-4.26

GSM1900 ANT1 DSI14/2

PCS1900	Conducted Power (dBm)				
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)		
	29.26	29.17	29.28	31.00	
PCS1900	Measured Power (dBm)				
GPRS (GMSK)	810	661	512		
1 Txslot	29.45	29.44	29.46	31.00	calculation (dB)
2 Txslots	26.34	26.31	26.36	28.00	-9.03
3Txslots	24.59	24.62	24.52	26.00	-6.02
4 Txslots	23.12	23.22	23.16	25.00	-4.26
PCS1900	Measured Power (dBm)				
EGPRS (GMSK)	810	661	512		
1 Txslot	29.25	29.18	29.24	31.00	calculation (dB)
2 Txslots	26.40	26.38	26.34	28.00	-9.03
3Txslots	24.57	24.54	24.50	26.00	-6.02
4 Txslots	23.18	23.15	23.21	25.00	-4.26
PCS1900	Measured Power (dBm)				
EGPRS (BPSK)	810	661	512		
1 Txslot	25.69	25.72	25.85	27.00	calculation (dB)
2 Txslots	22.12	22.14	22.64	24.00	-9.03
3Txslots	20.07	20.30	20.47	22.00	-6.02
4 Txslots	19.24	19.37	19.29	21.00	-4.26

GSM1900 ANT1 DSI1

PCS1900	Conducted Power (dBm)				
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)		
	29.03	29.03	28.92	Tune up	
PCS1900	Burst Power (dBm)				
GPRS (GMSK)	810	661	512		
1 Txslot	28.88	28.85	28.73	Tune up	calculation (dB)
2 Txslots	25.52	25.47	25.37	29.00	-9.03
3Txslots	23.59	23.61	23.52	26.00	-6.02
4 Txslots	22.00	22.02	21.95	24.00	-4.26
PCS1900	Burst Power (dBm)				
EGPRS (GMSK)	810	661	512		
1 Txslot	28.89	28.88	28.79	Tune up	calculation (dB)
2 Txslots	25.53	25.50	25.41	29.00	-9.03
3Txslots	23.61	23.66	23.58	26.00	-6.02
4 Txslots	22.03	22.08	21.99	23.00	-4.26
PCS1900	Burst Power (dBm)				
EGPRS (BPSK)	810	661	512		
1 Txslot	26.26	26.42	26.79	Tune up	calculation (dB)
2 Txslots	22.85	23.00	23.66	27.00	-9.03
3Txslots	20.78	21.62	21.07	24.00	-6.02
4 Txslots	19.65	19.81	19.96	22.00	-4.26

GSM1900 ANT3 DSI14

PCS1900	Conducted Power (dBm)				
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)		
	28.08	27.53	27.37	31.00	
PCS1900	Measured Power (dBm)				
GPRS (GMSK)	810	661	512		
1 Txslot	29.57	29.46	29.32	31.00	calculation (dB)
2 Txslots	26.47	26.36	26.08	28.00	-9.03
3Txslots	24.52	24.43	24.37	26.00	-6.02
4 Txslots	23.11	23.16	23.12	25.00	-4.26
PCS1900	Measured Power (dBm)				
EGPRS (GMSK)	810	661	512		
1 Txslot	29.14	29.17	29.12	31.00	calculation (dB)
2 Txslots	26.45	26.30	26.18	28.00	-9.03
3Txslots	24.55	24.49	24.40	26.00	-6.02
4 Txslots	23.09	23.03	23.11	25.00	-4.26
PCS1900	Measured Power (dBm)				
EGPRS (BPSK)	810	661	512		
1 Txslot	25.25	25.23	25.40	27.00	calculation (dB)
2 Txslots	22.28	22.19	22.27	24.00	-9.03
3Txslots	20.94	21.35	20.79	22.00	-6.02
4 Txslots	19.16	19.03	19.11	21.00	-4.26

GSM1900 ANT3 DSI1

PCS1900	Conducted Power (dBm)			Tune up				
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)					
	28.38	28.38	28.19	29.00				
PCS1900	Burst Power (dBm)				calculation	Frame Power (dBm)		
GPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	28.07	28.10	27.95	29.00	-9.03	19.04	19.07	18.92
2 Txslots	24.78	24.80	24.58	26.00	-6.02	18.76	18.78	18.56
3Txslots	22.86	22.90	22.75	24.00	-4.26	18.60	18.64	18.49
4 Txslots	21.27	21.34	21.27	23.00	-3.01	18.26	18.33	18.26
PCS1900	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	28.11	28.08	27.91	29.00	-9.03	19.08	19.05	18.88
2 Txslots	24.71	24.75	24.54	26.00	-6.02	18.69	18.73	18.52
3Txslots	22.80	22.86	22.71	24.00	-4.26	18.54	18.60	18.45
4 Txslots	21.21	21.28	21.23	23.00	-3.01	18.20	18.27	18.22
PCS1900	Burst Power (dBm)				calculation	Frame Power (dBm)		
EGPRS (BPSK)	810	661	512		(dB)	810	661	512
1 Txslot	26.16	25.70	25.78	27.00	-9.03	17.13	16.67	16.75
2 Txslots	22.15	22.30	22.39	23.00	-6.02	16.13	16.28	16.37
3Txslots	20.11	20.25	20.37	21.00	-4.26	15.85	15.99	16.11
4 Txslots	18.97	19.14	19.27	20.00	-3.01	15.96	16.13	16.26

GSM1900 ANT3 DSI2

PCS1900	Conducted Power (dBm)			TUNE UP				
	Channel 810(1909.8MHz)	Channel 661(1880MHz)	Channel 512(1850.2MHz)					
	25.52	25.21	25.27	26.00				
PCS1900	Measured Power (dBm)				calculation	Measured Power (dBm)		
GPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	25.53	25.34	25.06	26.00	-9.03	16.50	16.31	16.03
2 Txslots	21.72	22.11	21.98	23.00	-6.02	15.70	16.09	15.96
3Txslots	19.84	19.71	20.13	21.00	-4.26	15.58	15.45	15.87
4 Txslots	18.58	18.63	18.50	20.00	-3.01	15.57	15.62	15.49
PCS1900	Measured Power (dBm)				calculation	Measured Power (dBm)		
EGPRS (GMSK)	810	661	512		(dB)	810	661	512
1 Txslot	25.46	25.26	25.06	26.00	-9.03	16.43	16.23	16.03
2 Txslots	21.70	22.21	21.99	23.00	-6.02	15.68	16.19	15.97
3Txslots	19.75	19.70	20.16	21.00	-4.26	15.49	15.44	15.90
4 Txslots	18.64	18.66	18.50	20.00	-3.01	15.63	15.65	15.49
PCS1900	Measured Power (dBm)				calculation	Measured Power (dBm)		
EGPRS (BPSK)	810	661	512		(dB)	810	661	512
1 Txslot	24.19	24.33	24.42	25.00	-9.03	15.16	15.30	15.39
2 Txslots	21.06	21.22	21.32	22.00	-6.02	15.04	15.20	15.30
3Txslots	18.89	19.16	19.28	20.00	-4.26	14.63	14.90	15.02
4 Txslots	18.73	18.79	18.66	20.00	-3.01	15.72	15.78	15.65

11.2 WCDMA Measurement result

Hotspot	Receiver on Standalone	receiver on+WLAN	sensor on Standalone ANT0/1	sensor on Standalone ANT3
DSI 1	DSI 2	DSI 3	DSI 4	DSI 5
sensor on Standalone ANT4	sensor on +WLAN ANT0/1	sensor on +WLAN ANT3	sensor on +WLAN ANT4	sensor off
DSI 6	DSI 9	DSI 10	DSI 11	DSI 14

WCDMA1900 ANT1 DSI14/2

WCDMA1900	FDDII result (dBm)			
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	24.54	24.51	24.63	
HSUPA	21.44	21.33	21.31	25.50
	19.37	19.40	19.38	22.00
	20.22	20.29	20.32	21.00
	19.32	19.37	19.40	21.00
	21.53	21.43	21.36	20.50
DC-HSDPA	22.28	22.32	22.33	23.00
	22.02	22.10	22.12	24.00
	21.53	21.51	21.61	24.00
	21.58	21.54	21.59	23.50

WCDMA1900 ANT1 DSI1/4

WCDMA1900	FDDII result (dBm)			TUNE UP
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	22.42	22.31	22.34	
HSUPA	21.46	21.40	21.29	23.50
	19.3	19.38	19.44	22.00
	20.41	20.38	20.39	20.00
	19.45	19.43	19.39	21.00
	21.32	21.42	21.34	19.50
DC-HSDPA	20.3	20.42	20.38	22.00
	20.32	20.44	20.35	22.00
	19.97	19.83	19.91	21.50
	19.88	19.84	19.93	21.50

WCDMA1900 ANT3 DSI14

WCDMA1900	FDDII result (dBm)			
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	24.42	24.32	24.39	
HSUPA	21.19	21.13	21.03	22.00
	19.09	19.00	19.19	20.00
	22.06	22.13	22.09	23.00
	21.72	21.80	21.76	22.50
	23.89	23.93	23.86	24.00
DC-HSDPA	22.11	22.00	22.07	24.00
	22.08	22.08	22.10	24.00
	21.68	21.59	21.58	23.50
	21.57	21.61	21.54	23.50

WCDMA1900 ANT3 DSI1

WCDMA1900	FDDII result (dBm)			Tune up
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	20.94	21.02	21.04	
HSUPA	19.88	19.96	19.91	21.00
	17.85	17.84	17.87	19.00
	19.89	18.93	18.91	20.00
	17.86	17.97	17.95	18.50
	19.88	19.81	19.99	21.50
DC-HSDPA	19.25	19.11	19.19	21.00
	19.13	19.22	19.14	21.00
	18.56	18.72	18.62	20.50
	18.71	18.67	18.70	20.50

WCDMA1900 ANT3 DSI2

WCDMA1900	FDDII result (dBm)			TUNE UP
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	16.28	16.21	16.32	
HSUPA	14.93	14.89	14.85	15.00
	13.22	13.22	13.14	14.00
	14.08	14.18	14.19	15.00
	13.11	13.19	13.23	13.50
	14.02	14.04	14.02	15.00
DC-HSDPA	14.12	14.06	14.09	16.00
	14.19	14.10	14.17	16.00
	13.76	13.76	13.68	15.50
	13.57	13.66	13.56	15.50

WCDMA1900 ANT3 DSI5

WCDMA1900	FDDII result (dBm)			tune up
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	22.23	22.16	22.25	
HSUPA	19.05	19.04	18.99	20.00
	17.01	17.09	17.12	18.00
	18.02	18.10	18.03	19.00
	17.13	17.16	17.06	18.00
	19.05	19.12	19.04	20.00
DC-HSDPA	20.06	20.08	20.11	22.00
	20.12	20.09	20.09	22.00
	19.54	19.58	19.58	21.50
	19.64	19.74	19.67	21.50

WCDMA1700 ANT1 DSI14/2

WCDMA1700	FDDIV result (dBm)			
	1513/1738 (1752.6MHz)	1412/1675 (1732.4MHz)	1312/1537 (1712.4MHz)	
	24.62	24.48	24.57	
HSUPA	21.47	21.40	21.36	22.00
	19.23	19.28	19.19	20.00
	20.38	20.38	20.49	21.00
	19.39	19.32	19.26	20.50
	21.32	21.41	21.39	23.00
DC-HSDPA	22.28	22.23	22.27	24.00
	22.13	22.13	22.23	24.00
	21.67	21.68	21.62	23.50
	21.61	21.75	21.67	23.50

WCDMA1700 ANT1 DSI1/4

WCDMA1700	FDDIV result (dBm)			
	1513/1738 (1752.6MHz)	1412/1675 (1732.4MHz)	1312/1537 (1712.4MHz)	
	22.38	22.27	22.31	
HSUPA	21.37	21.35	21.29	22.00
	19.35	19.32	19.34	20.00
	20.43	20.36	20.25	21.00
	19.45	19.35	19.27	19.50
	21.28	21.36	21.37	22.00
DC-HSDPA	20.39	20.25	20.33	22.00
	20.45	20.33	20.36	22.00
	19.91	19.89	19.83	21.50
	19.87	19.86	19.87	21.50

WCDMA1700 ANT3 DSI14

WCDMA1700	FDDIV result (dBm)			
	1513/1738	1412/1675	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	24.41	24.22	24.37	25.50
HSUPA	20.96	21.01	21.09	22.00
	20.44	20.50	20.47	22.00
	22.07	22.15	22.19	23.00
	19.55	19.57	19.62	21.50
	22.25	22.30	22.24	23.00
DC-HSDPA	22.17	22.11	22.10	24.00
	22.11	22.05	22.14	24.00
	21.61	21.54	21.56	23.50
	21.61	21.55	21.58	23.50

WCDMA1700 ANT3 DSI1

WCDMA1700	FDDIV result (dBm)			Tune up
	1513/1738	1412/1637	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	22.01	22.03	21.95	22.50
HSUPA	21.08	21.10	21.11	22.00
	18.98	18.92	18.74	20.00
	19.98	19.94	19.89	21.00
	19.04	19.06	19.10	19.50
	20.97	21.06	21.03	22.00
DC-HSDPA	20.03	19.99	20.07	21.00
	20.13	20.16	20.06	21.00
	19.51	19.54	19.56	20.50
	19.74	19.72	19.65	20.50

WCDMA1700 ANT3 DSI2

WCDMA1700	FDDIV result (dBm)			TUNE UP
	1513/1738	1412/1675	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	18.16	18.14	18.22	19.50
HSUPA	17.09	17.00	17.11	18.00
	15.14	15.09	15.14	16.00
	16	16.00	16.04	17.00
	15.02	14.95	14.89	15.50
	17.25	17.16	17.25	18.00
DC-HSDPA	16.09	16.00	16.11	18.00
	16.14	16.04	16.18	18.00
	15.62	15.61	15.63	17.50
	15.54	15.50	15.51	17.50

WCDMA1700 ANT3 DSI3

WCDMA1700	FDDIV result (dBm)			Tune up
	1513/1738 (1752.6MHz)	1412/1637 (1732.4MHz)	1312/1537 (1712.4MHz)	
	16.75	16.80	16.81	
HSUPA	15.68	15.65	15.53	16.00
	13.62	13.77	13.79	15.00
	14.57	14.68	14.72	16.00
	13.59	13.68	13.66	14.50
	15.68	15.71	15.65	16.00
DC-HSDPA	15.08	15.12	15.11	17.00
	14.29	14.31	14.27	15.00
	13.75	13.80	13.79	15.50
	13.79	13.81	13.84	15.50

WCDMA1700 ANT3 DSI5

WCDMA1700	FDDIV result (dBm)			
	1513/1738 (1752.6MHz)	1412/1675 (1732.4MHz)	1312/1537 (1712.4MHz)	
	22.24	22.11	22.21	
HSUPA	19.06	19.04	18.99	20.00
	17.07	16.99	16.95	18.00
	17.93	17.98	17.99	19.00
	17.04	17.00	16.94	17.00
	19.08	19.01	18.93	20.00
DC-HSDPA	20	20.09	20.04	22.00
	20.05	20.04	20.08	22.00
	19.16	19.64	19.56	21.50
	19.65	19.52	19.55	21.50

WCDMA850 ANT0 DSI14/1/2

WCDMA850	FDDV result (dBm)			
	4233/4458 (846.6MHz)	4182/4407 (836.4MHz)	4132/4357 (826.4MHz)	
	24.63	24.50	24.62	
HSUPA	23.9	23.83	23.74	24.00
	21.78	21.79	21.70	22.00
	22.75	22.72	22.64	23.00
	21.71	21.74	21.68	22.50
	23.76	23.82	23.72	24.00
DC-HSDPA	22.3	22.30	22.35	24.00
	22.19	22.29	22.28	24.00
	21.76	21.82	21.76	23.50
	21.83	21.79	21.79	23.50

WCDMA850 ANT3 DSI14/1

WCDMA850	FDDV result (dBm)			
	4233/4458 (846.6MHz)	4182/4407 (836.4MHz)	4132/4357 (826.4MHz)	
	24.75	24.67	24.71	
HSUPA	23.41	23.45	23.37	25.50
	21.36	21.36	21.45	24.00
	22.48	22.44	22.42	22.00
	21.36	21.46	21.47	23.00
	23.53	23.44	23.47	21.50
DC-HSDPA	22.09	22.11	22.03	24.00
	22.06	22.15	22.01	24.00
	21.54	21.62	21.58	23.50
	21.56	21.59	21.52	23.50

WCDMA850 ANT3 DSI2

WCDMA850	FDDV result (dBm)			TUNE UP
	4233/4458 (846.6MHz)	4182/4407 (836.4MHz)	4132/4357 (826.4MHz)	
	23.14	23.00	23.12	
HSUPA	22.5	22.44	22.34	24.50
	20.47	20.45	20.48	23.00
	21.29	21.40	21.48	21.00
	20.47	20.49	20.41	22.00
	22.32	22.42	22.47	20.50
DC-HSDPA	21.07	21.02	21.06	23.00
	21.05	21.14	21.07	23.00
	20.63	20.59	20.56	22.50
	20.54	20.57	20.52	22.50

WCDMA850 ANT3 DSI3

WCDMA850	FDDV result (dBm)			TUNE UP
	4233/4458 (846.6MHz)	4182/4407 (836.4MHz)	4132/4357 (826.4MHz)	
	20.97	21.05	21.03	
HSUPA	19.21	19.14	19.15	22.50
	17.12	17.07	17.05	20.00
	18.08	18.15	18.06	19.00
	17.17	17.23	17.22	20.00
	19.22	19.19	19.14	18.50
DC-HSDPA	19.18	19.26	19.22	20.00
	18.41	18.48	18.46	21.00
	17.94	18.01	17.96	19.00
	17.95	17.93	17.89	19.00

11.3 LTE Measurement result

Hotspot	Receiver on Standalone	receiver on+WLAN	sensor on Standalone ANT0/1	sensor on Standalone ANT3
DSI 1	DSI 2	DSI 3	DSI 4	DSI 5
sensor on Standalone ANT4	sensor on +WLAN ANT0/1	sensor on +WLAN ANT3	sensor on +WLAN ANT4	sensor off
DSI 6	DSI 9	DSI 10	DSI 11	DSI 14

LTE-TDD	LTE		
	Duty cycle	config5	11.7%
		config2	21.7%
		config4	23.3%
		config3	31.7%
		config1	43.3%
		config6	53.3%
		config0	63.3%

Maximum Target Power for Production Unit

Band	ANT	Tune up					
		DSI14	DSI1	DSI2	DSI3	DSI4/5/6	DSI9/10/11
LTEBand 7	3	24	21	19	\	21	\
LTEBand 12	0	25	25	25	\	25	\
LTEBand 12	3	25	25	24	\	25	\
LTEBand 2/25	1	25	22	25	\	23	\
LTEBand 2/25	3	25	22	17	\	23	\
LTEBand 5/26	0	25	25	25	\	25	\
LTEBand 5/26	3	25	25	24	\	25	\
LTEBand 41 PC2	3	27	25.6	23.6	22.6	25.6	\
LTEBand 41 PC2	1	27	22.6	27	\	27	26.6
LTEBand 48	4	25	24	19	18	24	\
LTEBand 48	2	24	20	24	\	24	\
LTEBand 41 PC3	3	25	23.5	21.5	20.5	23.5	\
LTEBand 41 PC3	1	25	20.5	25	\	25	\
LTEBand 66	1	25	22	25	\	23	\
LTEBand 66	3	25	22	19	\	23	\
LTEBand 71	0	25	25	25	\	25	\
LTEBand 71	3	25	25	24	\	25	\

LTE B7 ANT3 DSI14

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	22.89	22.60	21.00	17.82
		2535 (21100)	22.68	22.52	21.03	17.73
		2502.5 (20775)	22.90	22.63	20.99	17.81
	1RB-Middle (12)	2567.5 (21425)	22.73	22.35	20.94	17.77
		2535 (21100)	22.79	22.39	20.96	17.65
		2502.5 (20775)	22.92	22.65	20.96	17.82
	1RB-Low (0)	2567.5 (21425)	22.72	21.90	21.08	17.80
		2535 (21100)	22.83	21.92	20.92	17.67
		2502.5 (20775)	22.77	22.00	21.06	17.71
	12RB-High (13)	2567.5 (21425)	22.71	22.11	21.06	17.77
		2535 (21100)	22.74	22.65	20.94	17.71
		2502.5 (20775)	22.73	22.37	20.96	17.65
	12RB-Middle (6)	2567.5 (21425)	22.73	22.50	21.04	17.69
		2535 (21100)	22.76	22.30	21.02	17.79
		2502.5 (20775)	22.72	22.38	21.02	17.73
	12RB-Low (0)	2567.5 (21425)	22.92	22.10	21.01	17.73
		2535 (21100)	22.82	21.88	21.07	17.79
		2502.5 (20775)	22.90	22.17	20.95	17.67
	25RB (0)	2567.5 (21425)	22.09	21.01	20.13	17.64
		2535 (21100)	22.10	20.86	19.91	17.80
		2502.5 (20775)	22.07	20.94	19.99	17.71
10MHz	1RB-High (49)	2565 (21400)	22.89	22.48	21.08	17.64
		2535 (21100)	22.85	22.31	20.96	17.81
		2505 (20800)	22.80	22.65	20.97	17.64
	1RB-Middle (24)	2565 (21400)	22.83	22.12	21.03	17.81
		2535 (21100)	22.87	22.64	21.00	17.62
		2505 (20800)	22.92	21.99	20.97	17.63
	1RB-Low (0)	2565 (21400)	22.92	22.02	20.99	17.66
		2535 (21100)	22.91	21.97	21.03	17.76
		2505 (20800)	22.68	22.12	21.07	17.65
	25RB-High (25)	2565 (21400)	21.95	20.88	20.11	17.74
		2535 (21100)	22.11	20.99	20.03	17.70

	25RB-Middle (12)	2505 (20800)	21.96	20.90	19.92	17.77
		2565 (21400)	21.94	20.95	19.96	17.82
		2535 (21100)	22.06	20.91	20.05	17.76
		2505 (20800)	21.95	21.01	19.94	17.77
	25RB-Low (0)	2565 (21400)	21.94	20.86	19.97	17.62
		2535 (21100)	22.05	21.01	19.93	17.68
		2505 (20800)	22.03	20.94	20.14	17.82
	50RB (0)	2565 (21400)	21.95	21.05	19.95	17.73
		2535 (21100)	21.96	21.01	20.01	17.81
		2505 (20800)	22.12	20.93	20.12	17.67
15MHz	1RB-High (74)	2562.5 (21375)	22.87	22.54	20.94	17.63
		2535 (21100)	22.79	22.56	20.98	17.73
		2507.5 (20825)	22.71	22.00	21.01	17.65
	1RB-Middle (37)	2562.5 (21375)	22.74	22.50	20.95	17.66
		2535 (21100)	22.92	22.10	20.93	17.80
		2507.5 (20825)	22.94	22.29	21.06	17.67
	1RB-Low (0)	2562.5 (21375)	22.74	22.10	21.03	17.72
		2535 (21100)	22.68	22.31	20.99	17.69
		2507.5 (20825)	22.78	21.93	21.06	17.77
	36RB-High (38)	2562.5 (21375)	22.12	20.94	20.11	17.72
		2535 (21100)	21.96	20.99	20.07	17.68
		2507.5 (20825)	22.06	20.90	20.03	17.77
	36RB-Middle (19)	2562.5 (21375)	22.01	20.96	20.03	17.62
		2535 (21100)	22.09	20.91	19.98	17.62
		2507.5 (20825)	21.91	20.97	20.02	17.75
	36RB-Low (0)	2562.5 (21375)	21.92	20.96	20.13	17.82
		2535 (21100)	22.10	20.98	19.94	17.75
		2507.5 (20825)	22.07	20.85	19.97	17.82
	75RB (0)	2562.5 (21375)	22.01	20.96	19.91	17.78
		2535 (21100)	22.00	21.05	20.07	17.77
		2507.5 (20825)	22.01	20.92	19.96	17.77
20MHz	1RB-High (99)	2560 (21350)	22.69	22.51	20.99	17.63
		2535 (21100)	22.67	22.63	20.96	17.76
		2510 (20850)	22.92	22.15	20.93	17.73
	1RB-Middle (50)	2560 (21350)	22.80	22.26	20.93	17.65

		2535 (21100)	22.95	21.81	20.94	17.77
		2510 (20850)	22.93	22.44	20.93	17.74
	1RB-Low (0)	2560 (21350)	22.72	22.64	21.03	17.64
		2535 (21100)	22.85	22.37	21.07	17.70
		2510 (20850)	22.86	22.06	20.89	17.68
	50RB-High (50)	2560 (21350)	21.90	20.92	19.91	17.70
		2535 (21100)	22.11	20.88	20.01	17.78
		2510 (20850)	22.03	21.01	19.93	17.81
	50RB-Middle (25)	2560 (21350)	21.89	20.86	19.77	17.82
		2535 (21100)	22.03	20.87	19.90	17.71
		2510 (20850)	21.99	21.04	20.04	17.69
	50RB-Low (0)	2560 (21350)	21.95	20.59	19.86	17.81
		2535 (21100)	21.95	21.06	20.05	17.68
		2510 (20850)	21.84	20.95	19.94	17.79
	100RB (0)	2560 (21350)	21.72	20.86	19.84	17.67
		2535 (21100)	22.01	20.86	20.13	17.72
		2510 (20850)	21.95	20.95	19.95	17.74

LTE B7 ANT3 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	19.92	20.30	20.21	17.83
		2535 (21100)	20.12	20.33	20.32	17.89
		2502.5 (20775)	20.20	20.53	20.32	17.79
	1RB-Middle (12)	2567.5 (21425)	19.94	20.36	20.57	17.78
		2535 (21100)	20.25	20.29	20.42	17.89
		2502.5 (20775)	20.29	20.23	20.38	17.94
	1RB-Low (0)	2567.5 (21425)	19.98	20.67	20.30	18.09
		2535 (21100)	20.22	20.49	20.11	17.76
		2502.5 (20775)	20.07	20.59	19.99	17.78
	12RB-High (13)	2567.5 (21425)	20.26	20.32	20.32	17.81
		2535 (21100)	20.34	20.05	20.09	17.92
		2502.5 (20775)	20.34	20.15	20.26	18.03
	12RB-Middle (6)	2567.5 (21425)	20.16	19.92	20.12	17.91
		2535 (21100)	20.21	20.28	20.11	17.81
		2502.5 (20775)	20.36	20.22	20.41	17.85
	12RB-Low (0)	2567.5 (21425)	20.30	20.11	20.00	17.74

		2535 (21100)	20.30	20.21	20.23	17.95
		2502.5 (20775)	20.19	20.14	20.09	18.05
	25RB (0)	2567.5 (21425)	20.18	20.21	19.98	17.96
		2535 (21100)	20.37	20.33	20.40	17.94
		2502.5 (20775)	20.34	20.28	20.14	17.72
10MHz	1RB-High (49)	2565 (21400)	20.11	20.16	20.08	18.09
		2535 (21100)	19.90	20.44	20.25	18.08
		2505 (20800)	20.40	20.55	20.37	17.92
	1RB-Middle (24)	2565 (21400)	20.07	20.28	20.78	18.01
		2535 (21100)	20.16	20.28	20.43	18.10
		2505 (20800)	20.27	20.48	20.33	17.92
	1RB-Low (0)	2565 (21400)	20.04	20.73	20.30	18.06
		2535 (21100)	20.20	20.67	20.27	17.98
		2505 (20800)	20.11	20.48	20.11	18.04
	25RB-High (25)	2565 (21400)	20.30	20.18	20.26	18.11
		2535 (21100)	20.34	20.18	20.14	18.04
		2505 (20800)	20.19	20.40	20.27	17.72
	25RB-Middle (12)	2565 (21400)	20.01	20.00	19.99	18.00
		2535 (21100)	20.38	20.34	20.32	18.08
		2505 (20800)	20.32	20.31	20.30	17.82
	25RB-Low (0)	2565 (21400)	20.28	20.17	20.09	18.09
		2535 (21100)	20.31	20.19	20.21	17.85
		2505 (20800)	20.18	20.36	20.18	17.75
	50RB (0)	2565 (21400)	20.17	20.09	20.12	17.89
		2535 (21100)	20.27	20.25	20.25	17.89
		2505 (20800)	20.25	20.25	20.26	17.82
15MHz	1RB-High (74)	2562.5 (21375)	19.94	20.21	20.21	17.82
		2535 (21100)	20.07	20.39	20.22	17.95
		2507.5 (20825)	20.28	20.62	20.34	17.78
	1RB-Middle (37)	2562.5 (21375)	19.96	20.28	20.66	18.01
		2535 (21100)	20.19	20.25	20.37	18.08
		2507.5 (20825)	20.20	20.33	20.35	17.95
	1RB-Low (0)	2562.5 (21375)	19.93	20.57	20.34	17.83
		2535 (21100)	20.24	20.50	20.20	17.72
		2507.5 (20825)	20.08	20.50	20.08	17.95

	36RB-High (38)	2562.5 (21375)	20.29	20.32	20.28	18.09
		2535 (21100)	20.26	20.15	20.06	17.98
		2507.5 (20825)	20.28	20.24	20.22	18.00
	36RB-Middle (19)	2562.5 (21375)	20.17	20.01	20.05	17.91
		2535 (21100)	20.28	20.26	20.17	17.84
		2507.5 (20825)	20.32	20.30	20.37	17.72
	36RB-Low (0)	2562.5 (21375)	20.38	20.15	19.98	17.82
		2535 (21100)	20.31	20.23	20.27	17.92
		2507.5 (20825)	20.24	20.24	20.19	18.08
	75RB (0)	2562.5 (21375)	20.09	20.15	20.04	17.99
		2535 (21100)	20.30	20.31	20.32	18.11
		2507.5 (20825)	20.26	20.28	20.23	18.02
20MHz	1RB-High (99)	2560 (21350)	20.03	20.25	20.18	17.85
		2535 (21100)	19.98	20.37	20.16	17.72
		2510 (20850)	20.32	20.54	20.30	17.99
	1RB-Middle (50)	2560 (21350)	20.04	20.19	20.72	17.99
		2535 (21100)	20.39	20.32	20.47	18.02
		2510 (20850)	20.29	20.42	20.30	17.91
	1RB-Low (0)	2560 (21350)	20.03	20.65	20.24	18.09
		2535 (21100)	20.27	20.59	20.19	17.89
		2510 (20850)	20.03	20.51	20.16	17.91
	50RB-High (50)	2560 (21350)	20.24	20.25	20.25	17.72
		2535 (21100)	20.27	20.15	20.06	17.84
		2510 (20850)	20.27	20.33	20.22	17.90
	50RB-Middle (25)	2560 (21350)	20.11	20.08	20.06	17.95
		2535 (21100)	20.38	20.25	20.22	17.72
		2510 (20850)	20.24	20.31	20.30	18.02
	50RB-Low (0)	2560 (21350)	20.32	20.17	20.07	17.75
		2535 (21100)	20.29	20.26	20.24	17.79
		2510 (20850)	20.22	20.27	20.19	17.92
	100RB (0)	2560 (21350)	20.13	20.08	20.09	17.93
		2535 (21100)	20.28	20.22	20.29	17.89
		2510 (20850)	20.29	20.35	20.25	17.91

LTE B7 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	18.23	18.36	18.46	17.93
		2535 (21100)	18.16	18.54	18.36	17.82
		2502.5 (20775)	18.14	18.63	18.29	17.74
	1RB-Middle (12)	2567.5 (21425)	17.94	18.38	18.13	17.92
		2535 (21100)	18.20	18.65	18.43	17.82
		2502.5 (20775)	18.08	18.31	18.34	17.80
	1RB-Low (0)	2567.5 (21425)	18.16	18.36	18.70	17.92
		2535 (21100)	18.49	18.56	18.16	17.77
		2502.5 (20775)	18.07	18.57	18.24	17.74
	12RB-High (13)	2567.5 (21425)	18.18	18.24	18.21	17.81
		2535 (21100)	18.17	18.41	18.25	17.80
		2502.5 (20775)	18.47	18.43	18.54	17.72
	12RB-Middle (6)	2567.5 (21425)	18.04	18.28	18.29	17.78
		2535 (21100)	18.37	18.49	18.51	17.74
		2502.5 (20775)	18.33	18.30	18.31	17.73
	12RB-Low (0)	2567.5 (21425)	18.34	18.31	18.10	17.87
		2535 (21100)	18.30	18.32	18.36	17.73
		2502.5 (20775)	18.47	18.24	18.15	17.83
	25RB (0)	2567.5 (21425)	18.30	18.28	18.20	17.77
		2535 (21100)	18.35	18.34	18.31	17.83
		2502.5 (20775)	18.38	18.39	18.59	17.77
10MHz	1RB-High (49)	2565 (21400)	18.02	18.54	18.43	17.69
		2535 (21100)	18.10	18.49	18.56	17.72
		2505 (20800)	18.40	18.57	18.35	17.77
	1RB-Middle (24)	2565 (21400)	18.07	18.39	18.13	17.79
		2535 (21100)	18.32	18.61	18.43	17.79
		2505 (20800)	18.10	18.33	18.37	17.91
	1RB-Low (0)	2565 (21400)	18.33	18.61	18.50	17.89
		2535 (21100)	18.57	18.63	18.37	17.79
		2505 (20800)	17.93	18.66	18.31	17.74
	25RB-High (25)	2565 (21400)	18.31	18.18	18.25	17.71
		2535 (21100)	18.20	18.32	18.29	17.74

	25RB-Middle (12)	2505 (20800)	18.36	18.41	18.37	17.85
		2565 (21400)	18.07	18.26	18.11	17.89
		2535 (21100)	18.43	18.39	18.31	17.90
		2505 (20800)	18.26	18.32	18.34	17.72
	25RB-Low (0)	2565 (21400)	18.17	18.36	18.26	17.72
		2535 (21100)	18.29	18.47	18.44	17.86
		2505 (20800)	18.33	18.20	18.11	17.85
	50RB (0)	2565 (21400)	18.18	18.29	18.18	17.88
		2535 (21100)	18.36	18.41	18.47	17.73
		2505 (20800)	18.28	18.31	18.44	17.81
15MHz	1RB-High (74)	2562.5 (21375)	18.14	18.42	18.44	17.92
		2535 (21100)	18.17	18.44	18.41	17.92
		2507.5 (20825)	18.22	18.57	18.31	17.84
	1RB-Middle (37)	2562.5 (21375)	17.98	18.37	18.08	17.77
		2535 (21100)	18.29	18.60	18.36	17.74
		2507.5 (20825)	18.16	18.06	18.40	17.87
	1RB-Low (0)	2562.5 (21375)	18.20	18.46	18.60	17.89
		2535 (21100)	18.51	18.58	18.24	17.73
		2507.5 (20825)	18.04	18.58	18.18	17.92
	36RB-High (38)	2562.5 (21375)	18.20	18.27	18.27	17.70
		2535 (21100)	18.17	18.34	18.31	17.77
		2507.5 (20825)	18.38	18.36	18.45	17.70
	36RB-Middle (19)	2562.5 (21375)	18.08	18.19	18.20	17.78
		2535 (21100)	18.43	18.40	18.43	17.78
		2507.5 (20825)	18.30	18.37	18.34	17.77
	36RB-Low (0)	2562.5 (21375)	18.28	18.23	18.12	17.93
		2535 (21100)	18.33	18.39	18.40	17.81
		2507.5 (20825)	18.38	18.34	18.16	17.78
	75RB (0)	2562.5 (21375)	18.24	18.22	18.27	17.89
		2535 (21100)	18.30	18.35	18.35	17.78
		2507.5 (20825)	18.42	18.36	18.53	17.82
20MHz	1RB-High (99)	2560 (21350)	18.11	18.49	18.39	17.87
		2535 (21100)	18.12	18.54	18.51	17.76
		2510 (20850)	18.30	18.60	18.32	17.74
	1RB-Middle (50)	2560 (21350)	18.03	18.43	18.14	17.80

		2535 (21100)	18.29	18.60	18.34	17.80
		2510 (20850)	18.17	18.21	18.39	17.82
	1RB-Low (0)	2560 (21350)	18.26	18.51	18.60	17.78
		2535 (21100)	18.48	18.63	18.33	17.86
		2510 (20850)	18.02	18.61	18.26	17.71
	50RB-High (50)	2560 (21350)	18.24	18.19	18.24	17.75
		2535 (21100)	18.23	18.35	18.35	17.89
		2510 (20850)	18.36	18.40	18.41	17.71
	50RB-Middle (25)	2560 (21350)	18.11	18.21	18.21	17.87
		2535 (21100)	18.37	18.38	18.39	17.90
		2510 (20850)	18.34	18.42	18.39	17.89
	50RB-Low (0)	2560 (21350)	18.19	18.27	18.21	17.71
		2535 (21100)	18.32	18.40	18.40	17.81
		2510 (20850)	18.31	18.24	18.17	17.91
	100RB (0)	2560 (21350)	18.21	18.21	18.21	17.76
		2535 (21100)	18.33	18.33	18.38	17.91
		2510 (20850)	18.37	18.33	18.46	17.79

LTE B7 ANT3 DSI5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	19.92	20.30	20.21	17.83
		2535 (21100)	20.12	20.33	20.32	17.89
		2502.5 (20775)	20.20	20.53	20.32	17.79
	1RB-Middle (12)	2567.5 (21425)	19.94	20.36	20.57	17.78
		2535 (21100)	20.25	20.29	20.42	17.89
		2502.5 (20775)	20.29	20.23	20.38	17.94
	1RB-Low (0)	2567.5 (21425)	19.98	20.67	20.30	18.09
		2535 (21100)	20.22	20.49	20.11	17.76
		2502.5 (20775)	20.07	20.59	19.99	17.78
	12RB-High (13)	2567.5 (21425)	20.26	20.32	20.32	17.81
		2535 (21100)	20.34	20.05	20.09	17.92
		2502.5 (20775)	20.34	20.15	20.26	18.03
	12RB-Middle (6)	2567.5 (21425)	20.16	19.92	20.12	17.91
		2535 (21100)	20.21	20.28	20.11	17.81
		2502.5 (20775)	20.36	20.22	20.41	17.85
	12RB-Low (0)	2567.5 (21425)	20.30	20.11	20.00	17.74

		2535 (21100)	20.30	20.21	20.23	17.95
		2502.5 (20775)	20.19	20.14	20.09	18.05
	25RB (0)	2567.5 (21425)	20.18	20.21	19.98	17.96
		2535 (21100)	20.37	20.33	20.40	17.94
		2502.5 (20775)	20.34	20.28	20.14	17.72
10MHz	1RB-High (49)	2565 (21400)	20.11	20.16	20.08	18.09
		2535 (21100)	19.90	20.44	20.25	18.08
		2505 (20800)	20.40	20.55	20.37	17.92
	1RB-Middle (24)	2565 (21400)	20.07	20.28	20.78	18.01
		2535 (21100)	20.16	20.28	20.43	18.10
		2505 (20800)	20.27	20.48	20.33	17.92
	1RB-Low (0)	2565 (21400)	20.04	20.73	20.30	18.06
		2535 (21100)	20.20	20.67	20.27	17.98
		2505 (20800)	20.11	20.48	20.11	18.04
	25RB-High (25)	2565 (21400)	20.30	20.18	20.26	18.11
		2535 (21100)	20.34	20.18	20.14	18.04
		2505 (20800)	20.19	20.40	20.27	17.72
	25RB-Middle (12)	2565 (21400)	20.01	20.00	19.99	18.00
		2535 (21100)	20.38	20.34	20.32	18.08
		2505 (20800)	20.32	20.31	20.30	17.82
	25RB-Low (0)	2565 (21400)	20.28	20.17	20.09	18.09
		2535 (21100)	20.31	20.19	20.21	17.85
		2505 (20800)	20.18	20.36	20.18	17.75
	50RB (0)	2565 (21400)	20.17	20.09	20.12	17.89
		2535 (21100)	20.27	20.25	20.25	17.89
		2505 (20800)	20.25	20.25	20.26	17.82
15MHz	1RB-High (74)	2562.5 (21375)	19.94	20.21	20.21	17.82
		2535 (21100)	20.07	20.39	20.22	17.95
		2507.5 (20825)	20.28	20.62	20.34	17.78
	1RB-Middle (37)	2562.5 (21375)	19.96	20.28	20.66	18.01
		2535 (21100)	20.19	20.25	20.37	18.08
		2507.5 (20825)	20.20	20.33	20.35	17.95
	1RB-Low (0)	2562.5 (21375)	19.93	20.57	20.34	17.83
		2535 (21100)	20.24	20.50	20.20	17.72
		2507.5 (20825)	20.08	20.50	20.08	17.95

	36RB-High (38)	2562.5 (21375)	20.29	20.32	20.28	18.09
		2535 (21100)	20.26	20.15	20.06	17.98
		2507.5 (20825)	20.28	20.24	20.22	18.00
	36RB-Middle (19)	2562.5 (21375)	20.17	20.01	20.05	17.91
		2535 (21100)	20.28	20.26	20.17	17.84
		2507.5 (20825)	20.32	20.30	20.37	17.72
	36RB-Low (0)	2562.5 (21375)	20.38	20.15	19.98	17.82
		2535 (21100)	20.31	20.23	20.27	17.92
		2507.5 (20825)	20.24	20.24	20.19	18.08
	75RB (0)	2562.5 (21375)	20.09	20.15	20.04	17.99
		2535 (21100)	20.30	20.31	20.32	18.11
		2507.5 (20825)	20.26	20.28	20.23	18.02
20MHz	1RB-High (99)	2560 (21350)	20.03	20.25	20.18	17.85
		2535 (21100)	19.98	20.37	20.16	17.72
		2510 (20850)	20.32	20.54	20.30	17.99
	1RB-Middle (50)	2560 (21350)	20.04	20.19	20.72	17.99
		2535 (21100)	20.39	20.32	20.47	18.02
		2510 (20850)	20.29	20.42	20.30	17.91
	1RB-Low (0)	2560 (21350)	20.03	20.65	20.24	18.09
		2535 (21100)	20.27	20.59	20.19	17.89
		2510 (20850)	20.03	20.51	20.16	17.91
	50RB-High (50)	2560 (21350)	20.24	20.25	20.25	17.72
		2535 (21100)	20.27	20.15	20.06	17.84
		2510 (20850)	20.27	20.33	20.22	17.90
	50RB-Middle (25)	2560 (21350)	20.11	20.08	20.06	17.95
		2535 (21100)	20.38	20.25	20.22	17.72
		2510 (20850)	20.24	20.31	20.30	18.02
	50RB-Low (0)	2560 (21350)	20.32	20.17	20.07	17.75
		2535 (21100)	20.29	20.26	20.24	17.79
		2510 (20850)	20.22	20.27	20.19	17.92
	100RB (0)	2560 (21350)	20.13	20.08	20.09	17.93
		2535 (21100)	20.28	20.22	20.29	17.89
		2510 (20850)	20.29	20.35	20.25	17.91

LTE B12 ANT0 DSI14/1/2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	715.3 (23173)	23.99	23.52	22.13	19.50
		707.5 (23095)	23.92	23.34	22.23	19.26
		699.7 (23017)	23.99	23.79	22.09	19.27
	1RB-Middle (3)	715.3 (23173)	23.97	23.35	22.13	19.33
		707.5 (23095)	23.99	23.72	22.11	19.33
		699.7 (23017)	24.06	23.27	22.26	19.24
	1RB-Low (0)	715.3 (23173)	23.99	23.46	22.17	19.40
		707.5 (23095)	23.96	23.25	22.33	19.47
		699.7 (23017)	24.01	23.73	22.23	19.34
	3RB-High (3)	715.3 (23173)	24.00	23.09	22.05	19.28
		707.5 (23095)	24.05	23.12	22.10	19.28
		699.7 (23017)	24.08	23.19	22.13	19.39
	3RB-Middle (1)	715.3 (23173)	24.01	23.08	22.14	19.30
		707.5 (23095)	24.09	23.12	22.11	19.52
		699.7 (23017)	24.15	23.16	22.17	19.43
	3RB-Low (0)	715.3 (23173)	23.95	23.11	22.05	19.47
		707.5 (23095)	24.02	23.28	22.08	19.43
		699.7 (23017)	24.02	23.23	22.10	19.52
	6RB (0)	715.3 (23173)	23.01	22.11	21.08	19.43
		707.5 (23095)	23.04	22.02	21.11	19.32
		699.7 (23017)	23.16	22.17	21.11	19.51
3MHz	1RB-High (14)	714.5 (23165)	23.92	23.30	21.93	19.33
		707.5 (23095)	23.95	23.36	22.27	19.48
		700.5 (23025)	23.95	23.29	22.13	19.45
	1RB-Middle (7)	714.5 (23165)	24.04	23.42	22.03	19.35
		707.5 (23095)	24.08	23.39	22.45	19.32
		700.5 (23025)	24.13	23.29	22.19	19.35
	1RB-Low (0)	714.5 (23165)	23.97	23.62	22.07	19.30
		707.5 (23095)	23.94	23.41	22.12	19.35
		700.5 (23025)	24.00	23.46	22.28	19.47
	8RB-High (7)	714.5 (23165)	23.08	22.03	21.09	19.46
		707.5 (23095)	23.07	22.12	21.09	19.31

	8RB-Middle (4)	700.5 (23025)	23.07	22.11	21.11	19.25
		714.5 (23165)	23.05	22.13	21.00	19.49
		707.5 (23095)	23.14	22.14	21.11	19.26
		700.5 (23025)	23.16	22.19	21.21	19.38
	8RB-Low (0)	714.5 (23165)	23.01	22.02	21.03	19.36
		707.5 (23095)	23.04	22.11	21.03	19.41
		700.5 (23025)	23.12	22.15	21.09	19.41
	15RB (0)	714.5 (23165)	23.01	22.04	21.04	19.23
		707.5 (23095)	23.04	21.99	21.05	19.26
		700.5 (23025)	23.09	22.15	21.13	19.35
	1RB-High (24)	713.5 (23155)	23.98	23.29	22.14	19.44
		707.5 (23095)	24.05	23.39	22.12	19.36
		701.5 (23035)	24.03	23.34	22.07	19.39
5MHz	1RB-Middle (12)	713.5 (23155)	24.05	23.32	22.20	19.27
		707.5 (23095)	24.08	23.52	22.24	19.42
		701.5 (23035)	24.11	23.61	22.12	19.32
	1RB-Low (0)	713.5 (23155)	24.02	23.49	22.13	19.28
		707.5 (23095)	23.99	23.40	22.19	19.49
		701.5 (23035)	24.05	23.50	22.06	19.24
	12RB-High (13)	713.5 (23155)	22.99	22.05	21.05	19.27
		707.5 (23095)	23.09	22.09	21.12	19.52
		701.5 (23035)	23.08	22.15	21.09	19.30
	12RB-Middle (6)	713.5 (23155)	23.12	22.10	21.12	19.54
		707.5 (23095)	23.06	22.11	21.09	19.41
		701.5 (23035)	23.14	22.15	21.15	19.41
	12RB-Low (0)	713.5 (23155)	23.04	22.14	21.01	19.37
		707.5 (23095)	23.08	22.08	20.98	19.30
		701.5 (23035)	23.14	22.11	21.15	19.49
	25RB (0)	713.5 (23155)	23.09	22.16	21.09	19.30
		707.5 (23095)	23.00	22.00	21.02	19.39
		701.5 (23035)	23.11	22.09	21.04	19.43
10MHz	1RB-High (49)	711 (23130)	23.94	23.52	21.93	19.31
		707.5 (23095)	24.01	23.28	21.94	19.31
		704 (23060)	23.88	23.36	22.16	19.47
	1RB-Middle (24)	711 (23130)	24.04	23.56	22.07	19.42

		707.5 (23095)	24.06	23.40	22.29	19.41
		704 (23060)	24.09	23.43	22.37	19.44
	1RB-Low (0)	711 (23130)	24.08	23.60	22.16	19.37
		707.5 (23095)	24.05	23.36	22.42	19.29
		704 (23060)	24.13	23.25	22.16	19.35
	25RB-High (25)	711 (23130)	23.09	22.13	21.10	19.54
		707.5 (23095)	23.03	22.06	21.08	19.54
		704 (23060)	23.19	22.12	21.04	19.52
	25RB-Middle (12)	711 (23130)	23.04	22.08	21.07	19.30
		707.5 (23095)	23.10	22.09	21.17	19.31
		704 (23060)	23.18	22.14	21.15	19.30
	25RB-Low (0)	711 (23130)	23.02	22.11	21.03	19.54
		707.5 (23095)	23.10	22.12	21.06	19.54
		704 (23060)	23.20	22.10	21.04	19.29
	50RB (0)	711 (23130)	23.03	21.96	21.02	19.48
		707.5 (23095)	23.03	22.05	20.97	19.50
		704 (23060)	23.18	22.12	21.05	19.23

LTE B12 ANT3 DSI14/1/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	715.3 (23173)	23.80	23.12	22.16	19.75
		707.5 (23095)	23.87	23.28	21.94	19.54
		699.7 (23017)	23.93	23.22	22.11	19.71
	1RB-Middle (3)	715.3 (23173)	23.79	23.24	22.09	19.74
		707.5 (23095)	23.93	23.22	21.98	19.70
		699.7 (23017)	23.90	23.37	22.19	19.80
	1RB-Low (0)	715.3 (23173)	23.84	23.23	21.97	19.71
		707.5 (23095)	23.87	23.15	21.95	19.75
		699.7 (23017)	23.97	23.20	22.00	19.56
	3RB-High (3)	715.3 (23173)	23.83	22.95	21.78	19.68
		707.5 (23095)	23.90	23.08	21.93	19.68
		699.7 (23017)	23.93	23.05	21.86	19.77
	3RB-Middle (1)	715.3 (23173)	23.86	22.99	21.85	19.77
		707.5 (23095)	23.90	23.06	22.00	19.62
		699.7 (23017)	23.91	23.06	22.04	19.60

	3RB-Low (0)	715.3 (23173)	23.91	23.02	21.89	19.80
		707.5 (23095)	23.96	22.91	21.91	19.63
		699.7 (23017)	23.97	23.00	21.96	19.62
	6RB (0)	715.3 (23173)	22.94	21.96	20.84	19.68
		707.5 (23095)	22.87	21.90	20.87	19.56
		699.7 (23017)	22.91	22.06	20.94	19.63
3MHz	1RB-High (14)	714.5 (23165)	23.88	23.14	21.89	19.65
		707.5 (23095)	23.82	23.19	21.93	19.80
		700.5 (23025)	23.89	23.17	22.03	19.68
	1RB-Middle (7)	714.5 (23165)	23.88	23.37	21.99	19.70
		707.5 (23095)	23.96	23.24	22.01	19.55
		700.5 (23025)	23.95	23.33	22.07	19.58
	1RB-Low (0)	714.5 (23165)	23.87	23.28	21.95	19.71
		707.5 (23095)	23.79	23.15	21.95	19.70
		700.5 (23025)	23.91	23.09	22.17	19.79
	8RB-High (7)	714.5 (23165)	22.91	22.05	20.86	19.80
		707.5 (23095)	22.92	22.08	20.93	19.58
		700.5 (23025)	22.96	22.07	21.03	19.83
	8RB-Middle (4)	714.5 (23165)	22.95	22.09	20.99	19.77
		707.5 (23095)	23.02	22.05	21.05	19.61
		700.5 (23025)	23.03	22.07	21.04	19.67
	8RB-Low (0)	714.5 (23165)	22.84	21.97	20.88	19.57
		707.5 (23095)	22.87	22.03	20.92	19.60
		700.5 (23025)	23.00	22.02	21.04	19.77
	15RB (0)	714.5 (23165)	22.90	21.91	20.90	19.77
		707.5 (23095)	23.01	21.89	20.88	19.67
		700.5 (23025)	23.05	22.07	21.00	19.64
5MHz	1RB-High (24)	713.5 (23155)	23.86	23.06	21.82	19.59
		707.5 (23095)	23.85	23.43	21.97	19.55
		701.5 (23035)	23.80	23.22	21.92	19.80
	1RB-Middle (12)	713.5 (23155)	23.90	23.27	22.09	19.72
		707.5 (23095)	23.98	23.51	22.17	19.73
		701.5 (23035)	23.97	23.43	22.11	19.55
	1RB-Low (0)	713.5 (23155)	23.87	23.47	22.12	19.69
		707.5 (23095)	23.87	23.25	22.03	19.77

	12RB-High (13)	701.5 (23035)	23.94	23.14	21.97	19.61
		713.5 (23155)	22.90	21.94	20.92	19.57
		707.5 (23095)	22.97	22.00	21.02	19.65
		701.5 (23035)	22.97	22.00	21.00	19.70
	12RB-Middle (6)	713.5 (23155)	23.02	21.99	20.99	19.77
		707.5 (23095)	22.95	21.95	20.98	19.59
		701.5 (23035)	23.01	22.03	21.07	19.80
	12RB-Low (0)	713.5 (23155)	22.89	21.87	20.88	19.66
		707.5 (23095)	22.97	22.02	20.98	19.63
		701.5 (23035)	23.00	22.03	21.02	19.68
	25RB (0)	713.5 (23155)	22.90	21.99	20.99	19.56
		707.5 (23095)	22.93	21.97	20.85	19.68
		701.5 (23035)	22.99	22.02	21.02	19.62
10MHz	1RB-High (49)	711 (23130)	23.91	23.30	21.85	19.63
		707.5 (23095)	23.98	23.25	21.92	19.56
		704 (23060)	23.89	23.30	22.09	19.65
	1RB-Middle (24)	711 (23130)	23.96	23.30	22.04	19.78
		707.5 (23095)	23.90	23.31	21.97	19.74
		704 (23060)	23.99	23.19	22.18	19.82
	1RB-Low (0)	711 (23130)	23.91	23.22	22.26	19.74
		707.5 (23095)	23.97	23.26	22.01	19.63
		704 (23060)	23.98	23.45	22.16	19.78
	25RB-High (25)	711 (23130)	22.94	21.99	20.90	19.83
		707.5 (23095)	23.01	21.97	20.92	19.77
		704 (23060)	22.99	21.94	20.96	19.81
	25RB-Middle (12)	711 (23130)	22.93	21.98	21.02	19.54
		707.5 (23095)	23.01	21.94	20.98	19.61
		704 (23060)	23.07	22.08	20.97	19.71
	25RB-Low (0)	711 (23130)	22.93	21.98	20.99	19.59
		707.5 (23095)	22.97	21.98	21.04	19.73
		704 (23060)	22.99	21.88	20.96	19.59
	50RB (0)	711 (23130)	22.91	21.93	20.90	19.83
		707.5 (23095)	22.93	21.97	20.90	19.82
		704 (23060)	22.98	21.99	21.01	19.66

LTE B12 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	715.3 (23173)	22.63	22.92	22.82	18.85
		707.5 (23095)	22.71	22.97	22.82	18.77
		699.7 (23017)	22.70	22.97	22.71	18.90
	1RB-Middle (3)	715.3 (23173)	22.65	23.17	22.71	18.89
		707.5 (23095)	22.72	23.07	22.90	18.84
		699.7 (23017)	22.76	23.10	22.76	18.95
	1RB-Low (0)	715.3 (23173)	22.62	23.10	22.81	18.93
		707.5 (23095)	22.68	23.02	22.86	18.82
		699.7 (23017)	22.79	23.01	23.09	18.89
	3RB-High (3)	715.3 (23173)	22.69	22.77	22.75	18.81
		707.5 (23095)	22.70	22.85	22.86	18.95
		699.7 (23017)	22.74	22.79	22.79	18.85
	3RB-Middle (1)	715.3 (23173)	22.70	22.70	22.81	18.85
		707.5 (23095)	22.74	22.83	22.81	18.90
		699.7 (23017)	22.80	22.90	22.77	18.96
	3RB-Low (0)	715.3 (23173)	22.65	22.79	22.77	18.79
		707.5 (23095)	22.72	22.78	22.76	18.96
		699.7 (23017)	22.77	22.89	22.88	18.89
	6RB (0)	715.3 (23173)	22.76	22.22	22.08	18.94
		707.5 (23095)	22.74	22.24	22.05	18.89
		699.7 (23017)	22.86	22.04	22.01	18.96
3MHz	1RB-High (14)	714.5 (23165)	22.60	22.99	22.95	18.79
		707.5 (23095)	22.69	23.22	23.03	18.77
		700.5 (23025)	22.88	23.32	22.83	18.83
	1RB-Middle (7)	714.5 (23165)	22.91	23.09	22.68	18.86
		707.5 (23095)	22.80	23.19	23.04	18.94
		700.5 (23025)	22.98	23.15	22.84	18.89
	1RB-Low (0)	714.5 (23165)	23.09	23.37	22.75	18.94
		707.5 (23095)	22.93	23.19	22.83	18.80
		700.5 (23025)	22.99	23.22	23.09	18.95
	8RB-High (7)	714.5 (23165)	22.82	22.25	22.27	18.85
		707.5 (23095)	22.71	22.18	22.29	18.84

	8RB-Middle (4)	700.5 (23025)	22.87	22.14	22.11	18.87
		714.5 (23165)	22.85	22.27	22.24	18.96
		707.5 (23095)	22.86	22.18	22.22	18.88
		700.5 (23025)	22.95	22.19	22.09	18.80
	8RB-Low (0)	714.5 (23165)	22.64	22.01	22.27	18.79
		707.5 (23095)	22.97	22.02	22.28	18.88
		700.5 (23025)	22.90	22.26	22.14	18.88
	15RB (0)	714.5 (23165)	22.89	22.23	22.24	18.83
		707.5 (23095)	22.82	22.03	22.01	18.90
		700.5 (23025)	22.64	22.18	22.00	18.89
5MHz	1RB-High (24)	713.5 (23155)	22.62	23.01	23.08	18.96
		707.5 (23095)	22.72	23.06	22.78	18.94
		701.5 (23035)	22.72	23.26	22.73	18.86
	1RB-Middle (12)	713.5 (23155)	22.87	23.12	22.81	18.88
		707.5 (23095)	22.84	23.24	22.93	18.94
		701.5 (23035)	22.82	23.12	22.85	18.88
	1RB-Low (0)	713.5 (23155)	22.88	23.36	22.78	18.93
		707.5 (23095)	22.92	23.05	22.83	18.82
		701.5 (23035)	22.92	23.19	22.99	18.96
	12RB-High (13)	713.5 (23155)	22.74	22.28	22.28	18.96
		707.5 (23095)	22.77	22.16	22.15	18.88
		701.5 (23035)	22.79	22.08	22.13	18.87
	12RB-Middle (6)	713.5 (23155)	22.89	22.00	22.03	18.87
		707.5 (23095)	22.83	22.17	22.01	18.89
		701.5 (23035)	23.01	22.24	22.05	18.93
	12RB-Low (0)	713.5 (23155)	22.79	22.21	22.27	18.83
		707.5 (23095)	22.70	22.21	22.22	18.93
		701.5 (23035)	22.79	22.15	22.15	18.80
	25RB (0)	713.5 (23155)	22.86	22.14	22.24	18.85
		707.5 (23095)	22.81	22.01	22.09	18.83
		701.5 (23035)	22.87	22.20	22.22	18.77
10MHz	1RB-High (49)	711 (23130)	22.64	22.99	23.02	18.85
		707.5 (23095)	22.65	23.14	22.85	18.85
		704 (23060)	22.77	23.32	22.78	18.92
	1RB-Middle (24)	711 (23130)	22.80	23.12	22.77	18.77

		707.5 (23095)	22.97	23.15	22.99	18.91
		704 (23060)	22.91	23.11	22.92	18.89
	1RB-Low (0)	711 (23130)	22.92	23.28	22.88	18.85
		707.5 (23095)	22.83	23.08	22.93	18.82
		704 (23060)	22.91	23.28	23.08	18.93
	25RB-High (25)	711 (23130)	22.78	22.19	22.18	18.91
		707.5 (23095)	22.82	22.22	22.22	18.94
		704 (23060)	22.80	22.01	22.20	18.91
	25RB-Middle (12)	711 (23130)	22.86	22.22	22.25	18.91
		707.5 (23095)	22.87	22.26	22.27	18.82
		704 (23060)	22.71	22.27	22.02	18.79
	25RB-Low (0)	711 (23130)	22.72	22.22	22.20	18.78
		707.5 (23095)	22.79	22.13	22.28	18.87
		704 (23060)	22.81	22.16	22.19	18.95
	50RB (0)	711 (23130)	22.80	22.19	22.19	18.89
		707.5 (23095)	22.82	22.22	22.16	18.91
		704 (23060)	22.84	22.29	22.28	18.91

LTE B25 ANT1 DSI14/2

Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1RB-High (5)	1914.3 (26683)	23.92	23.45	22.09	18.89
	1882.5 (26365)	24.12	23.61	22.19	18.82
	1850.7 (26047)	24.03	23.42	22.06	18.89
1RB-Middle (3)	1914.3 (26683)	23.91	23.54	22.33	18.96
	1882.5 (26365)	24.16	23.69	22.34	18.86
	1850.7 (26047)	24.04	23.54	22.33	18.87
1RB-Low (0)	1914.3 (26683)	23.96	23.32	22.05	18.81
	1882.5 (26365)	24.02	23.56	22.21	18.90
	1850.7 (26047)	24.07	23.32	22.19	18.94
3RB-High (3)	1914.3 (26683)	23.98	23.05	22.09	18.90
	1882.5 (26365)	24.16	23.28	22.22	18.93
	1850.7 (26047)	24.20	23.24	22.21	18.92
3RB-Middle (1)	1914.3 (26683)	24.02	23.19	22.11	18.93
	1882.5 (26365)	24.18	23.29	22.26	18.86
	1850.7 (26047)	24.22	23.27	22.33	18.83

3RB-Low (0)	1914.3 (26683)	23.93	23.10	22.03	18.81
	1882.5 (26365)	24.17	23.35	22.20	18.84
	1850.7 (26047)	24.18	23.18	22.19	18.86
6RB (0)	1914.3 (26683)	23.07	22.18	21.09	18.83
	1882.5 (26365)	23.18	22.19	21.24	18.97
	1850.7 (26047)	23.19	22.20	21.09	18.92
1RB-High (14)	1913.5 (26675)	23.98	23.03	22.14	18.92
	1882.5 (26365)	23.93	23.09	21.97	18.90
	1851.5 (26055)	23.96	23.03	22.01	18.86
1RB-Middle (7)	1913.5 (26675)	23.92	23.28	21.92	18.84
	1882.5 (26365)	23.89	23.26	22.09	18.96
	1851.5 (26055)	23.98	23.16	21.97	18.84
1RB-Low (0)	1913.5 (26675)	23.89	23.14	22.05	18.97
	1882.5 (26365)	23.96	23.30	22.11	18.90
	1851.5 (26055)	23.97	23.15	22.11	18.95
8RB-High (7)	1913.5 (26675)	23.03	22.04	20.93	18.89
	1882.5 (26365)	23.05	22.05	21.07	18.84
	1851.5 (26055)	23.08	22.07	20.95	18.82
8RB-Middle (4)	1913.5 (26675)	22.96	22.04	20.91	18.90
	1882.5 (26365)	23.06	22.08	21.04	18.95
	1851.5 (26055)	22.96	21.96	21.10	18.86
8RB-Low (0)	1913.5 (26675)	23.05	22.03	20.98	18.82
	1882.5 (26365)	23.02	22.02	21.12	18.84
	1851.5 (26055)	23.01	22.03	21.08	18.93
15RB (0)	1913.5 (26675)	22.96	22.12	21.09	18.81
	1882.5 (26365)	23.01	21.97	21.04	18.84
	1851.5 (26055)	22.97	22.12	21.04	18.92
1RB-High (24)	1912.5 (26665)	23.99	23.05	22.04	18.82
	1882.5 (26365)	23.90	23.11	22.09	18.84
	1852.5 (26065)	23.89	22.98	21.96	18.81
1RB-Middle (12)	1912.5 (26665)	23.93	23.13	22.13	18.85
	1882.5 (26365)	23.89	23.05	21.94	18.94
	1852.5 (26065)	23.88	23.21	22.14	18.82
1RB-Low (0)	1912.5 (26665)	23.85	23.26	22.04	18.87
	1882.5 (26365)	23.89	23.00	21.97	18.93

	1852.5 (26065)	23.87	23.09	21.99	18.81
12RB-High (13)	1912.5 (26665)	23.08	21.97	21.07	18.86
	1882.5 (26365)	23.06	22.11	20.94	18.92
	1852.5 (26065)	23.02	22.13	20.99	18.81
12RB-Middle (6)	1912.5 (26665)	22.96	22.11	21.04	18.84
	1882.5 (26365)	23.08	22.11	21.07	18.96
	1852.5 (26065)	23.05	22.00	20.94	18.94
12RB-Low (0)	1912.5 (26665)	22.99	22.13	21.11	18.96
	1882.5 (26365)	22.97	21.99	20.92	18.86
	1852.5 (26065)	23.00	22.02	20.96	18.90
25RB (0)	1912.5 (26665)	23.00	22.11	21.08	18.88
	1882.5 (26365)	22.97	22.05	21.11	18.86
	1852.5 (26065)	23.00	21.95	20.99	18.84
1RB-High (49)	1910 (26640)	23.90	23.15	22.14	18.81
	1882.5 (26365)	23.96	23.29	22.06	18.97
	1855 (26090)	23.92	23.27	21.96	18.82
1RB-Middle (24)	1910 (26640)	23.98	23.14	22.05	18.96
	1882.5 (26365)	23.88	23.28	21.92	18.94
	1855 (26090)	23.96	23.17	21.92	18.86
1RB-Low (0)	1910 (26640)	23.89	23.14	22.10	18.87
	1882.5 (26365)	23.88	23.28	22.15	18.83
	1855 (26090)	23.85	23.14	22.04	18.91
25RB-High (25)	1910 (26640)	23.05	21.96	20.95	18.88
	1882.5 (26365)	22.97	22.04	20.94	18.90
	1855 (26090)	23.03	22.09	20.94	18.94
25RB-Middle (12)	1910 (26640)	23.04	22.11	21.10	18.81
	1882.5 (26365)	23.06	22.08	20.96	18.86
	1855 (26090)	23.07	22.08	21.10	18.88
25RB-Low (0)	1910 (26640)	23.08	21.96	21.07	18.88
	1882.5 (26365)	23.05	22.01	20.92	18.87
	1855 (26090)	23.02	22.13	20.93	18.96
50RB (0)	1910 (26640)	22.96	21.96	20.95	18.97
	1882.5 (26365)	23.07	22.08	20.95	18.82
	1855 (26090)	23.04	22.08	21.10	18.83
1RB-High (74)	1907.5 (26615)	23.93	23.25	21.94	18.89

	1882.5 (26365)	23.91	23.25	22.01	18.97
	1857.5 (26115)	23.96	23.06	22.00	18.94
1RB-Middle (37)	1907.5 (26615)	23.90	23.01	22.04	18.91
	1882.5 (26365)	23.90	23.22	22.08	18.88
	1857.5 (26115)	23.95	23.22	22.03	18.83
1RB-Low (0)	1907.5 (26615)	23.98	23.00	22.06	18.93
	1882.5 (26365)	23.90	23.18	22.00	18.86
	1857.5 (26115)	23.94	23.21	22.11	18.86
36RB-High (38)	1907.5 (26615)	23.06	22.13	21.03	18.97
	1882.5 (26365)	23.07	21.99	21.04	18.90
	1857.5 (26115)	22.97	21.94	20.97	18.89
36RB-Middle (19)	1907.5 (26615)	22.97	21.96	20.94	18.88
	1882.5 (26365)	23.03	21.95	21.03	18.94
	1857.5 (26115)	22.98	22.06	21.10	18.87
36RB-Low (0)	1907.5 (26615)	23.06	22.12	20.96	18.84
	1882.5 (26365)	22.97	22.10	21.06	18.94
	1857.5 (26115)	23.06	22.03	20.99	18.81
75RB (0)	1907.5 (26615)	23.03	21.93	20.90	18.86
	1882.5 (26365)	23.00	22.10	21.11	18.86
	1857.5 (26115)	23.03	22.04	20.94	18.81
1RB-High (99)	1905 (26590)	23.86	23.18	21.94	18.88
	1882.5 (26365)	23.90	22.99	21.98	18.96
	1860 (26140)	23.93	23.22	22.23	18.97
1RB-Middle (50)	1905 (26590)	23.93	23.11	22.04	18.84
	1882.5 (26365)	23.96	23.64	21.92	18.93
	1860 (26140)	23.85	23.22	21.96	18.89
1RB-Low (0)	1905 (26590)	23.94	23.35	22.21	18.96
	1882.5 (26365)	23.91	23.17	22.01	18.84
	1860 (26140)	23.85	23.29	22.15	18.84
50RB-High (50)	1905 (26590)	23.00	21.99	20.97	18.90
	1882.5 (26365)	23.06	22.12	21.01	18.81
	1860 (26140)	23.07	22.07	21.11	18.97
50RB-Middle (25)	1905 (26590)	22.99	22.06	21.06	18.91
	1882.5 (26365)	22.99	22.02	20.97	18.88
	1860 (26140)	23.07	22.11	21.08	18.95
50RB-Low (0)	1905 (26590)	23.01	21.93	20.97	18.93

100RB (0)	1882.5 (26365)	23.10	22.03	21.04	18.90
	1860 (26140)	23.03	21.97	21.07	18.88
	1905 (26590)	22.98	22.00	20.93	18.86
100RB (0)	1882.5 (26365)	23.01	22.02	21.00	18.82
	1860 (26140)	23.08	22.13	21.11	18.89

LTE B25 ANT1 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	20.94	21.39	21.08	19.44
		1882.5 (26365)	21.05	21.58	21.17	19.52
		1850.7 (26047)	21.10	21.49	21.33	19.51
	1RB-Middle (3)	1914.3 (26683)	21.01	21.30	21.24	19.45
		1882.5 (26365)	21.08	21.50	21.17	19.49
		1850.7 (26047)	21.19	21.57	21.15	19.50
	1RB-Low (0)	1914.3 (26683)	21.00	21.49	21.10	19.39
		1882.5 (26365)	21.06	21.35	21.12	19.61
		1850.7 (26047)	21.15	21.70	21.39	19.51
	3RB-High (3)	1914.3 (26683)	21.01	21.12	20.91	19.61
		1882.5 (26365)	21.06	21.19	21.12	19.57
		1850.7 (26047)	21.20	21.22	21.15	19.61
	3RB-Middle (1)	1914.3 (26683)	21.12	21.17	21.15	19.45
		1882.5 (26365)	21.09	21.17	21.24	19.60
		1850.7 (26047)	21.15	21.40	21.31	19.34
	3RB-Low (0)	1914.3 (26683)	21.03	21.26	21.03	19.60
		1882.5 (26365)	21.08	21.11	21.15	19.39
		1850.7 (26047)	21.12	21.33	21.25	19.61
	6RB (0)	1914.3 (26683)	20.99	21.05	21.02	19.39
		1882.5 (26365)	21.08	21.11	21.10	19.57
		1850.7 (26047)	21.15	21.22	21.18	19.39
3MHz	1RB-High (14)	1913.5 (26675)	20.90	21.18	21.01	19.54
		1882.5 (26365)	21.00	21.15	20.92	19.45
		1851.5 (26055)	21.19	21.29	21.33	19.45
	1RB-Middle (7)	1913.5 (26675)	21.16	21.17	21.06	19.48
		1882.5 (26365)	21.01	21.13	20.93	19.44

		1851.5 (26055)	21.19	21.23	21.32	19.53
	1RB-Low (0)	1913.5 (26675)	21.06	21.15	20.96	19.51
		1882.5 (26365)	21.11	21.15	21.08	19.39
		1851.5 (26055)	21.14	21.47	20.95	19.61
	8RB-High (7)	1913.5 (26675)	21.06	20.95	20.85	19.54
		1882.5 (26365)	21.18	21.03	20.97	19.41
		1851.5 (26055)	21.20	20.89	21.05	19.50
	8RB-Middle (4)	1913.5 (26675)	21.06	21.05	21.07	19.60
		1882.5 (26365)	21.07	21.11	21.06	19.42
		1851.5 (26055)	21.07	21.16	21.08	19.55
	8RB-Low (0)	1913.5 (26675)	21.06	20.85	20.80	19.40
		1882.5 (26365)	21.08	21.02	21.06	19.48
		1851.5 (26055)	21.11	21.12	21.23	19.35
	15RB (0)	1913.5 (26675)	20.96	21.08	21.08	19.55
		1882.5 (26365)	20.91	21.05	21.10	19.39
		1851.5 (26055)	21.11	21.14	21.22	19.47
5MHz	1RB-High (24)	1912.5 (26665)	21.06	20.98	21.03	19.51
		1882.5 (26365)	21.14	21.04	20.97	19.36
		1852.5 (26065)	21.21	21.20	21.21	19.48
	1RB-Middle (12)	1912.5 (26665)	21.13	21.32	21.01	19.38
		1882.5 (26365)	21.22	21.27	21.01	19.58
		1852.5 (26065)	21.17	21.24	21.31	19.60
	1RB-Low (0)	1912.5 (26665)	21.13	21.08	20.98	19.34
		1882.5 (26365)	21.02	21.06	21.05	19.52
		1852.5 (26065)	21.13	21.43	20.95	19.49
	12RB-High (13)	1912.5 (26665)	21.15	20.91	21.00	19.43
		1882.5 (26365)	21.05	20.87	21.03	19.57
		1852.5 (26065)	21.18	21.01	21.10	19.40
	12RB-Middle (6)	1912.5 (26665)	21.03	20.99	21.02	19.57
		1882.5 (26365)	21.14	21.18	21.01	19.61
		1852.5 (26065)	21.06	21.03	21.06	19.44
	12RB-Low (0)	1912.5 (26665)	20.91	20.84	20.86	19.38
		1882.5 (26365)	21.07	20.94	20.99	19.56
		1852.5 (26065)	21.12	21.12	21.10	19.39
	25RB (0)	1912.5 (26665)	20.98	21.13	20.90	19.45
		1882.5 (26365)	21.10	21.03	21.11	19.44

		1852.5 (26065)	21.13	21.14	21.06	19.48
10MHz	1RB-High (49)	1910 (26640)	21.07	21.08	21.02	19.37
		1882.5 (26365)	21.11	21.11	20.89	19.49
		1855 (26090)	21.09	21.23	21.17	19.45
	1RB-Middle (24)	1910 (26640)	20.99	21.16	21.03	19.60
		1882.5 (26365)	21.04	21.32	20.93	19.46
		1855 (26090)	21.01	21.21	21.41	19.34
	1RB-Low (0)	1910 (26640)	21.14	21.06	21.07	19.57
		1882.5 (26365)	21.17	21.15	21.03	19.40
		1855 (26090)	21.09	21.44	20.92	19.38
	25RB-High (25)	1910 (26640)	21.15	21.08	20.99	19.57
		1882.5 (26365)	21.03	20.95	21.03	19.52
		1855 (26090)	21.16	21.00	20.93	19.41
	25RB-Middle (12)	1910 (26640)	21.09	20.97	21.03	19.37
		1882.5 (26365)	21.12	21.01	21.09	19.45
		1855 (26090)	21.11	21.11	21.08	19.61
	25RB-Low (0)	1910 (26640)	21.02	20.82	20.90	19.44
		1882.5 (26365)	21.06	20.99	21.04	19.38
		1855 (26090)	21.05	21.24	21.29	19.60
	50RB (0)	1910 (26640)	21.04	21.17	20.88	19.41
		1882.5 (26365)	21.12	21.06	20.99	19.45
		1855 (26090)	21.13	21.08	21.20	19.35
15MHz	1RB-High (74)	1907.5 (26615)	20.93	20.98	21.11	19.60
		1882.5 (26365)	21.02	20.99	20.94	19.36
		1857.5 (26115)	21.06	21.17	21.28	19.45
	1RB-Middle (37)	1907.5 (26615)	21.11	21.34	21.07	19.59
		1882.5 (26365)	21.12	21.32	20.93	19.58
		1857.5 (26115)	21.17	21.28	21.21	19.59
	1RB-Low (0)	1907.5 (26615)	21.03	21.18	21.04	19.59
		1882.5 (26365)	21.22	21.22	20.92	19.45
		1857.5 (26115)	21.21	21.53	20.98	19.35
	36RB-High (38)	1907.5 (26615)	21.14	21.00	20.95	19.60
		1882.5 (26365)	21.19	20.90	21.09	19.36
		1857.5 (26115)	21.05	21.02	20.96	19.55
	36RB-Middle (19)	1907.5 (26615)	21.10	21.16	20.97	19.49

		1882.5 (26365)	21.16	20.99	21.10	19.51
		1857.5 (26115)	21.21	21.13	21.21	19.45
	36RB-Low (0)	1907.5 (26615)	20.89	20.86	20.86	19.56
		1882.5 (26365)	21.04	20.88	21.08	19.43
		1857.5 (26115)	21.17	21.23	21.29	19.38
	75RB (0)	1907.5 (26615)	20.99	21.05	21.03	19.44
		1882.5 (26365)	20.92	21.00	21.00	19.53
		1857.5 (26115)	21.12	20.99	21.13	19.51
20MHz	1RB-High (99)	1905 (26590)	21.01	21.07	21.07	19.42
		1882.5 (26365)	21.03	21.09	20.87	19.36
		1860 (26140)	21.10	21.19	21.23	19.37
	1RB-Middle (50)	1905 (26590)	21.10	21.24	21.01	19.60
		1882.5 (26365)	21.14	21.23	21.04	19.41
		1860 (26140)	21.12	21.22	21.30	19.59
	1RB-Low (0)	1905 (26590)	21.13	21.14	21.02	19.48
		1882.5 (26365)	21.11	21.13	20.99	19.37
		1860 (26140)	21.11	21.50	20.96	19.41
	50RB-High (50)	1905 (26590)	21.08	21.01	20.96	19.44
		1882.5 (26365)	21.09	20.98	20.98	19.60
		1860 (26140)	21.10	21.00	21.02	19.58
	50RB-Middle (25)	1905 (26590)	21.05	21.08	21.08	19.40
		1882.5 (26365)	21.12	21.07	21.06	19.49
		1860 (26140)	21.10	21.12	21.10	19.46
	50RB-Low (0)	1905 (26590)	20.97	20.90	20.88	19.37
		1882.5 (26365)	21.00	20.93	20.98	19.58
		1860 (26140)	21.06	21.15	21.19	19.44
	100RB (0)	1905 (26590)	21.02	21.11	20.99	19.48
		1882.5 (26365)	21.02	21.05	21.03	19.57
		1860 (26140)	21.16	21.10	21.11	19.53

LTE B25 ANT1 DSI4

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	22.03	22.56	22.44	19.53
		1882.5 (26365)	22.13	22.45	22.27	19.58

		1850.7 (26047)	22.21	22.60	22.28	19.34
	1RB-Middle (3)	1914.3 (26683)	22.09	22.48	22.28	19.49
		1882.5 (26365)	22.17	22.44	22.35	19.53
		1850.7 (26047)	22.25	22.70	22.42	19.58
	1RB-Low (0)	1914.3 (26683)	22.08	22.51	22.18	19.44
		1882.5 (26365)	22.18	22.69	22.31	19.48
		1850.7 (26047)	22.25	22.57	22.68	19.63
	3RB-High (3)	1914.3 (26683)	22.13	22.37	22.08	19.39
		1882.5 (26365)	22.18	22.26	22.27	19.42
		1850.7 (26047)	22.21	22.38	22.30	19.38
	3RB-Middle (1)	1914.3 (26683)	22.15	22.35	22.11	19.41
		1882.5 (26365)	22.19	22.33	22.26	19.63
		1850.7 (26047)	22.24	22.40	22.34	19.41
	3RB-Low (0)	1914.3 (26683)	22.16	22.28	22.28	19.40
		1882.5 (26365)	22.19	22.28	22.28	19.62
		1850.7 (26047)	22.24	22.30	22.38	19.51
	6RB (0)	1914.3 (26683)	22.12	22.22	22.13	19.60
		1882.5 (26365)	22.20	22.27	22.23	19.47
		1850.7 (26047)	22.23	22.37	22.70	19.44
3MHz	1RB-High (14)	1913.5 (26675)	22.05	22.35	21.89	19.48
		1882.5 (26365)	21.89	22.44	22.31	19.61
		1851.5 (26055)	22.21	22.35	22.25	19.41
	1RB-Middle (7)	1913.5 (26675)	22.00	22.33	22.14	19.36
		1882.5 (26365)	22.06	22.39	22.22	19.37
		1851.5 (26055)	22.04	22.23	22.25	19.50
	1RB-Low (0)	1913.5 (26675)	22.22	22.18	21.97	19.63
		1882.5 (26365)	22.03	22.59	22.34	19.41
		1851.5 (26055)	22.12	22.32	22.01	19.49
	8RB-High (7)	1913.5 (26675)	22.28	21.94	22.27	19.58
		1882.5 (26365)	22.16	22.15	22.02	19.53
		1851.5 (26055)	22.08	22.20	22.10	19.38
	8RB-Middle (4)	1913.5 (26675)	22.28	22.20	22.00	19.62
		1882.5 (26365)	22.14	22.24	22.13	19.43
		1851.5 (26055)	22.10	22.24	22.27	19.58
	8RB-Low (0)	1913.5 (26675)	22.14	22.17	22.08	19.41
		1882.5 (26365)	22.09	22.05	21.99	19.61

		1851.5 (26055)	22.29	22.18	22.27	19.51
	15RB (0)	1913.5 (26675)	22.14	22.29	22.27	19.37
		1882.5 (26365)	22.34	22.29	22.03	19.38
		1851.5 (26055)	22.28	22.30	22.20	19.34
5MHz	1RB-High (24)	1912.5 (26665)	22.01	22.46	22.09	19.64
		1882.5 (26365)	22.08	22.36	22.30	19.53
		1852.5 (26065)	22.18	22.19	22.18	19.41
	1RB-Middle (12)	1912.5 (26665)	22.06	22.33	22.06	19.55
		1882.5 (26365)	22.17	22.33	22.10	19.33
		1852.5 (26065)	22.18	22.26	22.29	19.50
	1RB-Low (0)	1912.5 (26665)	22.14	22.16	22.04	19.59
		1882.5 (26365)	22.02	22.56	22.33	19.40
		1852.5 (26065)	22.09	22.44	22.12	19.50
	12RB-High (13)	1912.5 (26665)	22.14	22.14	22.06	19.56
		1882.5 (26365)	22.12	22.07	22.04	19.52
		1852.5 (26065)	22.12	22.15	22.20	19.59
	12RB-Middle (6)	1912.5 (26665)	22.25	22.17	21.99	19.35
		1882.5 (26365)	22.27	22.16	22.23	19.53
		1852.5 (26065)	22.20	22.20	22.15	19.36
	12RB-Low (0)	1912.5 (26665)	22.05	22.06	22.10	19.41
		1882.5 (26365)	22.08	21.99	22.11	19.50
		1852.5 (26065)	22.17	22.29	22.15	19.60
	25RB (0)	1912.5 (26665)	22.07	22.23	22.19	19.52
		1882.5 (26365)	22.08	22.18	22.06	19.59
		1852.5 (26065)	22.14	22.22	22.12	19.51
10MHz	1RB-High (49)	1910 (26640)	22.12	22.32	22.05	19.35
		1882.5 (26365)	22.06	22.27	22.26	19.38
		1855 (26090)	21.98	22.30	22.17	19.59
	1RB-Middle (24)	1910 (26640)	22.09	22.32	22.22	19.64
		1882.5 (26365)	22.17	22.30	22.10	19.65
		1855 (26090)	22.19	22.12	22.18	19.52
	1RB-Low (0)	1910 (26640)	22.10	22.09	22.00	19.47
		1882.5 (26365)	22.01	22.48	22.34	19.63
		1855 (26090)	22.22	22.50	22.02	19.43
	25RB-High (25)	1910 (26640)	22.10	22.21	22.09	19.33

		1882.5 (26365)	22.20	22.09	22.08	19.52
		1855 (26090)	22.11	22.26	22.27	19.36
	25RB-Middle (12)	1910 (26640)	22.17	22.09	21.96	19.50
		1882.5 (26365)	22.09	22.06	22.12	19.46
		1855 (26090)	22.21	22.26	22.23	19.36
	25RB-Low (0)	1910 (26640)	22.16	22.03	22.12	19.54
		1882.5 (26365)	22.02	21.97	22.00	19.43
		1855 (26090)	22.24	22.17	22.27	19.58
	50RB (0)	1910 (26640)	22.18	22.07	22.17	19.64
		1882.5 (26365)	22.27	22.14	22.15	19.51
		1855 (26090)	22.12	22.13	22.26	19.47
15MHz	1RB-High (74)	1907.5 (26615)	22.12	22.36	21.94	19.35
		1882.5 (26365)	21.98	22.42	22.34	19.54
		1857.5 (26115)	22.14	22.30	22.20	19.51
	1RB-Middle (37)	1907.5 (26615)	22.09	22.36	22.18	19.63
		1882.5 (26365)	22.10	22.48	22.16	19.36
		1857.5 (26115)	22.01	22.19	22.29	19.50
	1RB-Low (0)	1907.5 (26615)	22.24	22.18	22.01	19.38
		1882.5 (26365)	21.95	22.49	22.38	19.40
		1857.5 (26115)	22.16	22.34	22.01	19.59
	36RB-High (38)	1907.5 (26615)	22.27	22.03	22.17	19.56
		1882.5 (26365)	22.17	22.06	22.03	19.56
		1857.5 (26115)	22.02	22.15	22.13	19.49
	36RB-Middle (19)	1907.5 (26615)	22.25	22.25	22.03	19.60
		1882.5 (26365)	22.21	22.21	22.13	19.38
		1857.5 (26115)	22.07	22.19	22.30	19.37
	36RB-Low (0)	1907.5 (26615)	22.05	22.13	21.99	19.48
		1882.5 (26365)	22.04	22.05	22.06	19.54
		1857.5 (26115)	22.25	22.23	22.19	19.38
	75RB (0)	1907.5 (26615)	22.15	22.22	22.18	19.50
		1882.5 (26365)	22.24	22.20	22.02	19.59
		1857.5 (26115)	22.28	22.24	22.15	19.49
20MHz	1RB-High (99)	1905 (26590)	22.03	22.42	22.04	19.60
		1882.5 (26365)	21.98	22.33	22.36	19.41
		1860 (26140)	22.08	22.29	22.19	19.61

	1RB-Middle (50)	1905 (26590)	22.02	22.33	22.15	19.42
		1882.5 (26365)	22.17	22.39	22.13	19.56
		1860 (26140)	22.09	22.17	22.24	19.34
	1RB-Low (0)	1905 (26590)	22.15	22.17	22.05	19.51
		1882.5 (26365)	22.00	22.52	22.30	19.39
		1860 (26140)	22.12	22.41	22.11	19.35
	50RB-High (50)	1905 (26590)	22.18	22.11	22.11	19.49
		1882.5 (26365)	22.16	22.14	22.11	19.38
		1860 (26140)	22.11	22.16	22.19	19.47
	50RB-Middle (25)	1905 (26590)	22.15	22.18	22.05	19.34
		1882.5 (26365)	22.28	22.13	22.22	19.65
		1860 (26140)	22.17	22.20	22.20	19.59
	50RB-Low (0)	1905 (26590)	22.09	22.09	22.04	19.40
		1882.5 (26365)	22.12	22.07	22.08	19.56
		1860 (26140)	22.23	22.27	22.20	19.45
	100RB (0)	1905 (26590)	22.11	22.13	22.21	19.38
		1882.5 (26365)	22.17	22.12	22.10	19.43
		1860 (26140)	22.22	22.21	22.18	19.52

LTE B25 ANT3 DSI14

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	23.86	23.46	22.04	19.63
		1882.5 (26365)	23.93	23.42	22.05	19.81
		1850.7 (26047)	24.01	23.18	22.05	19.71
	1RB-Middle (3)	1914.3 (26683)	23.91	23.30	22.08	19.68
		1882.5 (26365)	23.99	23.56	22.18	19.78
		1850.7 (26047)	23.97	23.35	22.07	19.74
	1RB-Low (0)	1914.3 (26683)	23.86	23.25	22.08	19.65
		1882.5 (26365)	23.93	23.37	22.01	19.64
		1850.7 (26047)	23.96	23.40	21.95	19.63
	3RB-High (3)	1914.3 (26683)	23.90	23.15	21.89	19.75
		1882.5 (26365)	24.01	23.17	21.97	19.75
		1850.7 (26047)	23.94	23.14	21.92	19.68
	3RB-Middle (1)	1914.3 (26683)	24.02	22.94	21.90	19.58
		1882.5 (26365)	24.02	23.19	21.97	19.73

	3RB-Low (0)	1850.7 (26047)	24.00	23.05	22.03	19.58
		1914.3 (26683)	23.93	23.05	22.04	19.66
		1882.5 (26365)	23.99	23.11	21.99	19.80
		1850.7 (26047)	23.89	23.12	22.06	19.63
	6RB (0)	1914.3 (26683)	22.97	22.00	21.02	19.58
		1882.5 (26365)	23.00	22.06	20.97	19.74
		1850.7 (26047)	22.99	22.02	20.99	19.67
3MHz	1RB-High (14)	1913.5 (26675)	23.86	23.30	22.02	19.57
		1882.5 (26365)	23.88	23.35	22.12	19.66
		1851.5 (26055)	23.83	23.39	21.99	19.65
	1RB-Middle (7)	1913.5 (26675)	23.96	23.42	22.11	19.83
		1882.5 (26365)	24.05	23.29	22.04	19.69
		1851.5 (26055)	24.06	23.29	22.16	19.62
	1RB-Low (0)	1913.5 (26675)	23.84	23.13	22.04	19.65
		1882.5 (26365)	23.90	23.16	22.10	19.61
		1851.5 (26055)	23.89	23.29	22.05	19.61
	8RB-High (7)	1913.5 (26675)	23.01	22.07	21.10	19.72
		1882.5 (26365)	23.06	22.14	21.09	19.69
		1851.5 (26055)	22.96	21.99	21.04	19.71
	8RB-Middle (4)	1913.5 (26675)	22.97	22.13	21.06	19.79
		1882.5 (26365)	23.03	22.10	21.14	19.80
		1851.5 (26055)	23.02	22.16	21.09	19.82
	8RB-Low (0)	1913.5 (26675)	23.00	22.11	21.04	19.58
		1882.5 (26365)	22.94	22.04	21.04	19.82
		1851.5 (26055)	23.02	22.11	21.04	19.55
	15RB (0)	1913.5 (26675)	23.05	22.02	21.06	19.76
		1882.5 (26365)	23.01	22.08	21.04	19.73
		1851.5 (26055)	23.13	22.07	21.09	19.58
5MHz	1RB-High (24)	1912.5 (26665)	23.96	23.31	22.05	19.56
		1882.5 (26365)	24.01	23.37	22.04	19.83
		1852.5 (26065)	23.95	23.39	21.99	19.59
	1RB-Middle (12)	1912.5 (26665)	23.95	23.60	22.16	19.77
		1882.5 (26365)	24.08	23.45	22.29	19.62
		1852.5 (26065)	24.02	23.37	22.03	19.54
	1RB-Low (0)	1912.5 (26665)	23.86	23.37	21.96	19.71

		1882.5 (26365)	23.94	23.21	22.12	19.57
		1852.5 (26065)	23.89	23.23	22.15	19.80
	12RB-High (13)	1912.5 (26665)	22.95	22.05	21.05	19.58
		1882.5 (26365)	23.07	22.12	21.12	19.78
		1852.5 (26065)	23.03	22.04	21.04	19.66
	12RB-Middle (6)	1912.5 (26665)	23.04	22.03	21.05	19.83
		1882.5 (26365)	23.09	22.14	21.11	19.78
		1852.5 (26065)	23.14	22.11	21.09	19.80
	12RB-Low (0)	1912.5 (26665)	23.01	22.06	21.03	19.71
		1882.5 (26365)	22.93	21.94	20.99	19.55
		1852.5 (26065)	22.99	22.00	21.08	19.68
	25RB (0)	1912.5 (26665)	23.01	22.06	21.00	19.78
		1882.5 (26365)	22.97	22.04	20.99	19.75
		1852.5 (26065)	23.02	22.07	21.05	19.58
10MHz	1RB-High (49)	1910 (26640)	24.02	23.33	22.14	19.59
		1882.5 (26365)	23.94	23.31	22.23	19.69
		1855 (26090)	23.92	23.27	22.12	19.74
	1RB-Middle (24)	1910 (26640)	23.98	23.37	22.23	19.57
		1882.5 (26365)	24.01	23.46	22.30	19.67
		1855 (26090)	23.97	23.25	22.15	19.54
	1RB-Low (0)	1910 (26640)	23.90	23.29	21.98	19.63
		1882.5 (26365)	24.07	23.13	22.21	19.59
		1855 (26090)	23.93	23.36	22.02	19.58
	25RB-High (25)	1910 (26640)	23.00	22.09	21.02	19.81
		1882.5 (26365)	23.10	22.13	21.02	19.71
		1855 (26090)	23.04	22.07	21.04	19.61
	25RB-Middle (12)	1910 (26640)	23.15	22.03	21.07	19.83
		1882.5 (26365)	23.09	22.03	21.06	19.55
		1855 (26090)	23.02	22.06	21.06	19.70
	25RB-Low (0)	1910 (26640)	22.99	22.11	21.04	19.77
		1882.5 (26365)	22.98	21.97	21.08	19.79
		1855 (26090)	23.11	22.04	20.99	19.63
	50RB (0)	1910 (26640)	23.04	22.07	20.99	19.60
		1882.5 (26365)	22.94	21.97	20.96	19.77
		1855 (26090)	23.06	22.07	21.03	19.64

15MHz	1RB-High (74)	1907.5 (26615)	23.69	23.03	21.86	19.60
		1882.5 (26365)	23.91	22.95	21.87	19.65
		1857.5 (26115)	23.82	23.01	22.23	19.56
	1RB-Middle (37)	1907.5 (26615)	23.79	23.00	21.90	19.65
		1882.5 (26365)	23.73	23.15	22.19	19.74
		1857.5 (26115)	23.74	23.00	21.98	19.60
	1RB-Low (0)	1907.5 (26615)	23.94	23.18	22.23	19.83
		1882.5 (26365)	23.77	23.01	21.95	19.54
		1857.5 (26115)	23.76	22.87	21.84	19.68
	36RB-High (38)	1907.5 (26615)	22.87	21.96	20.95	19.79
		1882.5 (26365)	22.94	21.96	20.97	19.75
		1857.5 (26115)	22.95	21.90	20.94	19.59
	36RB-Middle (19)	1907.5 (26615)	22.94	21.89	20.93	19.55
		1882.5 (26365)	22.93	21.88	20.99	19.70
		1857.5 (26115)	22.88	21.93	20.97	19.80
	36RB-Low (0)	1907.5 (26615)	22.87	21.90	20.93	19.78
		1882.5 (26365)	22.85	21.83	20.91	19.54
		1857.5 (26115)	22.87	21.93	20.92	19.76
	75RB (0)	1907.5 (26615)	22.89	21.93	20.97	19.70
		1882.5 (26365)	22.87	21.78	20.90	19.54
		1857.5 (26115)	22.92	21.97	20.88	19.75
20MHz	1RB-High (99)	1905 (26590)	23.74	23.08	21.83	19.72
		1882.5 (26365)	23.89	23.16	22.04	19.65
		1860 (26140)	23.78	23.42	22.10	19.55
	1RB-Middle (50)	1905 (26590)	23.94	23.12	21.84	19.78
		1882.5 (26365)	23.84	23.55	22.02	19.70
		1860 (26140)	23.71	23.20	22.06	19.65
	1RB-Low (0)	1905 (26590)	23.82	23.11	21.91	19.68
		1882.5 (26365)	23.86	23.53	21.87	19.55
		1860 (26140)	23.76	23.01	21.99	19.77
	50RB-High (50)	1905 (26590)	22.97	21.88	20.90	19.56
		1882.5 (26365)	22.96	21.97	20.96	19.68
		1860 (26140)	22.81	21.88	20.90	19.75
	50RB-Middle (25)	1905 (26590)	22.98	22.01	20.93	19.59
		1882.5 (26365)	22.85	21.92	20.88	19.59
		1860 (26140)	22.92	22.00	20.98	19.76

	50RB-Low (0)	1905 (26590)	22.87	21.91	20.83	19.83
		1882.5 (26365)	22.88	21.88	20.89	19.54
		1860 (26140)	22.95	21.99	20.84	19.80
	100RB (0)	1905 (26590)	22.96	21.82	20.93	19.62
		1882.5 (26365)	22.91	21.87	20.85	19.56
		1860 (26140)	22.90	21.97	20.97	19.73

LTE B25 ANT3 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	20.61	20.89	20.86	19.74
		1882.5 (26365)	20.68	20.98	20.76	19.61
		1850.7 (26047)	20.65	20.93	20.87	19.65
	1RB-Middle (3)	1914.3 (26683)	20.64	21.01	20.76	19.71
		1882.5 (26365)	20.64	21.02	20.89	19.72
		1850.7 (26047)	20.81	21.10	20.93	19.73
	1RB-Low (0)	1914.3 (26683)	20.59	21.15	20.74	19.70
		1882.5 (26365)	20.66	20.97	21.00	19.77
		1850.7 (26047)	20.70	21.15	20.91	19.67
	3RB-High (3)	1914.3 (26683)	20.66	20.83	20.76	19.68
		1882.5 (26365)	20.65	20.83	20.74	19.67
		1850.7 (26047)	20.74	20.84	20.88	19.68
	3RB-Middle (1)	1914.3 (26683)	20.64	20.78	20.70	19.72
		1882.5 (26365)	20.76	20.75	20.78	19.67
		1850.7 (26047)	20.80	20.82	20.96	19.62
	3RB-Low (0)	1914.3 (26683)	20.64	20.79	20.74	19.69
		1882.5 (26365)	20.67	20.92	20.78	19.62
		1850.7 (26047)	20.75	20.94	20.83	19.76
	6RB (0)	1914.3 (26683)	20.72	20.82	20.61	19.73
		1882.5 (26365)	20.76	20.78	20.73	19.69
		1850.7 (26047)	20.82	20.93	20.73	19.72
3MHz	1RB-High (14)	1913.5 (26675)	20.59	20.93	20.71	19.67
		1882.5 (26365)	20.56	20.66	20.64	19.73
		1851.5 (26055)	20.66	20.70	21.04	19.69
	1RB-Middle (7)	1913.5 (26675)	20.47	20.90	20.79	19.70

		1882.5 (26365)	20.38	20.78	20.61	19.77
		1851.5 (26055)	20.55	20.81	20.65	19.75
	1RB-Low (0)	1913.5 (26675)	20.35	20.80	20.74	19.64
		1882.5 (26365)	20.61	20.85	20.62	19.70
		1851.5 (26055)	20.68	20.86	20.75	19.76
	8RB-High (7)	1913.5 (26675)	20.65	20.74	20.78	19.77
		1882.5 (26365)	20.62	20.60	20.67	19.67
		1851.5 (26055)	20.76	20.65	20.62	19.66
	8RB-Middle (4)	1913.5 (26675)	20.61	20.75	20.64	19.69
		1882.5 (26365)	20.58	20.70	20.78	19.66
		1851.5 (26055)	20.58	20.77	20.81	19.75
	8RB-Low (0)	1913.5 (26675)	20.50	20.52	20.65	19.69
		1882.5 (26365)	20.51	20.59	20.60	19.78
		1851.5 (26055)	20.57	20.92	20.86	19.71
	15RB (0)	1913.5 (26675)	20.80	20.70	20.59	19.66
		1882.5 (26365)	20.76	20.72	20.70	19.60
		1851.5 (26055)	20.68	20.60	20.69	19.67
5MHz	1RB-High (24)	1912.5 (26665)	20.46	21.05	20.74	19.63
		1882.5 (26365)	20.50	20.66	20.50	19.72
		1852.5 (26065)	20.59	20.83	21.10	19.72
	1RB-Middle (12)	1912.5 (26665)	20.47	20.92	20.65	19.62
		1882.5 (26365)	20.48	20.78	20.62	19.71
		1852.5 (26065)	20.65	20.89	20.79	19.67
	1RB-Low (0)	1912.5 (26665)	20.47	20.82	20.56	19.65
		1882.5 (26365)	20.46	20.89	20.48	19.76
		1852.5 (26065)	20.56	20.81	20.78	19.77
	12RB-High (13)	1912.5 (26665)	20.55	20.74	20.75	19.76
		1882.5 (26365)	20.61	20.77	20.61	19.66
		1852.5 (26065)	20.58	20.69	20.71	19.69
	12RB-Middle (6)	1912.5 (26665)	20.63	20.70	20.69	19.60
		1882.5 (26365)	20.72	20.75	20.80	19.75
		1852.5 (26065)	20.64	20.60	20.84	19.75
	12RB-Low (0)	1912.5 (26665)	20.69	20.41	20.56	19.78
		1882.5 (26365)	20.58	20.62	20.61	19.69
		1852.5 (26065)	20.65	20.77	20.67	19.60
	25RB (0)	1912.5 (26665)	20.66	20.63	20.60	19.61

		1882.5 (26365)	20.59	20.72	20.69	19.61
		1852.5 (26065)	20.89	20.66	20.59	19.74
10MHz	1RB-High (49)	1910 (26640)	20.54	21.06	20.78	19.62
		1882.5 (26365)	20.41	20.82	20.50	19.66
		1855 (26090)	20.56	20.65	21.11	19.74
	1RB-Middle (24)	1910 (26640)	20.55	20.70	20.68	19.78
		1882.5 (26365)	20.48	20.68	20.83	19.68
		1855 (26090)	20.59	20.85	20.66	19.75
	1RB-Low (0)	1910 (26640)	20.36	20.79	20.70	19.72
		1882.5 (26365)	20.57	20.92	20.47	19.62
		1855 (26090)	20.69	20.84	20.89	19.73
	25RB-High (25)	1910 (26640)	20.64	20.70	20.62	19.69
		1882.5 (26365)	20.67	20.67	20.51	19.75
		1855 (26090)	20.65	20.73	20.71	19.61
	25RB-Middle (12)	1910 (26640)	20.53	20.82	20.63	19.68
		1882.5 (26365)	20.58	20.59	20.77	19.73
		1855 (26090)	20.59	20.79	20.75	19.64
	25RB-Low (0)	1910 (26640)	20.55	20.45	20.76	19.61
		1882.5 (26365)	20.51	20.65	20.53	19.73
		1855 (26090)	20.76	20.90	20.67	19.78
	50RB (0)	1910 (26640)	20.77	20.72	20.57	19.72
		1882.5 (26365)	20.64	20.66	20.54	19.72
		1855 (26090)	20.79	20.60	20.78	19.60
15MHz	1RB-High (74)	1907.5 (26615)	20.50	21.03	20.65	19.69
		1882.5 (26365)	20.52	20.67	20.56	19.75
		1857.5 (26115)	20.56	20.78	21.22	19.78
	1RB-Middle (37)	1907.5 (26615)	20.58	20.77	20.71	19.77
		1882.5 (26365)	20.37	20.61	20.64	19.64
		1857.5 (26115)	20.72	20.84	20.81	19.71
	1RB-Low (0)	1907.5 (26615)	20.50	20.72	20.52	19.72
		1882.5 (26365)	20.51	20.85	20.47	19.75
		1857.5 (26115)	20.48	20.85	20.88	19.67
	36RB-High (38)	1907.5 (26615)	20.49	20.66	20.78	19.72
		1882.5 (26365)	20.66	20.57	20.56	19.73
		1857.5 (26115)	20.58	20.63	20.67	19.72

	36RB-Middle (19)	1907.5 (26615)	20.66	20.71	20.82	19.60
		1882.5 (26365)	20.55	20.74	20.70	19.73
		1857.5 (26115)	20.74	20.79	20.66	19.70
	36RB-Low (0)	1907.5 (26615)	20.63	20.39	20.56	19.68
		1882.5 (26365)	20.58	20.66	20.55	19.70
		1857.5 (26115)	20.77	20.83	20.70	19.72
	75RB (0)	1907.5 (26615)	20.60	20.61	20.57	19.74
		1882.5 (26365)	20.64	20.70	20.64	19.78
		1857.5 (26115)	20.89	20.61	20.76	19.74
20MHz	1RB-High (99)	1905 (26590)	20.56	20.95	20.67	19.76
		1882.5 (26365)	20.45	20.73	20.59	19.71
		1860 (26140)	20.56	20.73	21.11	19.68
	1RB-Middle (50)	1905 (26590)	20.53	20.81	20.70	19.76
		1882.5 (26365)	20.58	20.72	20.72	19.65
		1860 (26140)	20.46	20.82	20.73	19.72
	1RB-Low (0)	1905 (26590)	20.44	20.74	20.63	19.71
		1882.5 (26365)	20.56	20.85	20.55	19.62
		1860 (26140)	20.53	20.80	20.86	19.61
	50RB-High (50)	1905 (26590)	20.55	20.63	20.68	19.64
		1882.5 (26365)	20.63	20.66	20.62	19.63
		1860 (26140)	20.66	20.68	20.67	19.60
	50RB-Middle (25)	1905 (26590)	20.62	20.75	20.71	19.62
		1882.5 (26365)	20.69	20.67	20.71	19.62
		1860 (26140)	20.65	20.71	20.74	19.78
	50RB-Low (0)	1905 (26590)	20.58	20.50	20.66	19.67
		1882.5 (26365)	20.57	20.64	20.52	19.78
		1860 (26140)	20.68	20.81	20.76	19.75
	100RB (0)	1905 (26590)	20.69	20.69	20.64	19.69
		1882.5 (26365)	20.65	20.65	20.62	19.62
		1860 (26140)	20.78	20.71	20.69	19.65

LTE B25 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	15.58	15.88	15.66	15.89

		1882.5 (26365)	15.46	15.77	15.89	15.95
		1850.7 (26047)	15.59	16.07	15.78	15.87
	1RB-Middle (3)	1914.3 (26683)	15.70	15.78	15.54	15.93
		1882.5 (26365)	15.67	16.02	15.55	15.86
		1850.7 (26047)	15.56	16.16	15.73	15.79
	1RB-Low (0)	1914.3 (26683)	15.84	15.90	15.96	15.78
		1882.5 (26365)	15.46	16.11	15.62	15.97
		1850.7 (26047)	15.93	16.11	15.86	15.83
	3RB-High (3)	1914.3 (26683)	15.49	15.70	15.67	15.77
		1882.5 (26365)	15.74	15.54	15.82	15.82
		1850.7 (26047)	15.95	15.98	15.68	15.96
	3RB-Middle (1)	1914.3 (26683)	15.65	15.70	15.72	15.95
		1882.5 (26365)	15.90	15.65	15.69	15.82
		1850.7 (26047)	15.87	15.83	15.83	16.00
	3RB-Low (0)	1914.3 (26683)	15.69	15.73	15.60	15.81
		1882.5 (26365)	15.75	15.85	15.67	15.84
		1850.7 (26047)	15.76	15.63	15.77	15.91
	6RB (0)	1914.3 (26683)	15.84	15.67	15.56	15.88
		1882.5 (26365)	15.82	15.59	15.64	15.92
		1850.7 (26047)	15.84	15.95	15.84	15.91
3MHz	1RB-High (14)	1913.5 (26675)	15.58	15.86	15.65	15.88
		1882.5 (26365)	15.55	15.79	15.77	15.85
		1851.5 (26055)	15.54	15.89	15.77	15.89
	1RB-Middle (7)	1913.5 (26675)	15.51	15.90	15.71	15.88
		1882.5 (26365)	15.70	16.00	15.73	15.92
		1851.5 (26055)	15.62	16.10	15.90	15.91
	1RB-Low (0)	1913.5 (26675)	15.70	15.83	15.99	15.89
		1882.5 (26365)	15.51	15.90	15.86	15.98
		1851.5 (26055)	15.88	15.90	15.86	15.82
	8RB-High (7)	1913.5 (26675)	15.58	15.70	15.66	15.79
		1882.5 (26365)	15.61	15.67	15.70	15.84
		1851.5 (26055)	15.84	15.71	15.93	15.89
	8RB-Middle (4)	1913.5 (26675)	15.80	15.83	15.67	15.96
		1882.5 (26365)	15.76	15.81	15.80	15.97
		1851.5 (26055)	15.82	15.76	15.77	15.84
	8RB-Low (0)	1913.5 (26675)	15.76	15.73	15.81	15.96

	15RB (0)	1882.5 (26365)	15.86	15.78	15.73	15.83
		1851.5 (26055)	15.84	15.74	15.92	15.92
		1913.5 (26675)	15.77	15.88	15.64	15.89
		1882.5 (26365)	15.82	15.82	15.81	15.94
		1851.5 (26055)	15.70	15.91	15.86	15.91
5MHz	1RB-High (24)	1912.5 (26665)	15.54	15.96	15.53	15.87
		1882.5 (26365)	15.47	15.79	15.77	15.95
		1852.5 (26065)	15.56	16.02	15.90	15.94
	1RB-Middle (12)	1912.5 (26665)	15.65	15.83	15.62	15.86
		1882.5 (26365)	15.61	16.02	15.66	15.80
		1852.5 (26065)	15.76	16.02	15.79	15.99
	1RB-Low (0)	1912.5 (26665)	15.80	15.95	15.78	15.98
		1882.5 (26365)	15.60	16.13	15.82	15.90
		1852.5 (26065)	15.78	15.95	15.79	15.88
	12RB-High (13)	1912.5 (26665)	15.57	15.73	15.79	15.99
		1882.5 (26365)	15.63	15.73	15.81	15.83
		1852.5 (26065)	15.78	15.96	15.83	15.79
	12RB-Middle (6)	1912.5 (26665)	15.67	15.76	15.70	15.91
		1882.5 (26365)	15.89	15.62	15.72	16.00
		1852.5 (26065)	15.73	15.92	15.86	15.86
	12RB-Low (0)	1912.5 (26665)	15.76	15.86	15.78	15.87
		1882.5 (26365)	15.87	15.83	15.69	15.85
		1852.5 (26065)	15.69	15.78	15.73	15.90
	25RB (0)	1912.5 (26665)	15.79	15.73	15.68	15.89
		1882.5 (26365)	15.68	15.62	15.62	15.83
		1852.5 (26065)	15.80	15.87	15.85	15.94
10MHz	1RB-High (49)	1910 (26640)	15.53	15.86	15.57	15.92
		1882.5 (26365)	15.62	15.79	15.74	15.91
		1855 (26090)	15.62	15.93	15.79	15.79
	1RB-Middle (24)	1910 (26640)	15.51	15.74	15.72	15.83
		1882.5 (26365)	15.63	15.98	15.82	15.92
		1855 (26090)	15.58	16.14	15.88	15.82
	1RB-Low (0)	1910 (26640)	15.57	15.92	15.92	15.81
		1882.5 (26365)	15.51	16.06	15.80	15.99
		1855 (26090)	15.69	16.06	15.84	15.91

	25RB-High (25)	1910 (26640)	15.77	15.82	15.84	15.94
		1882.5 (26365)	15.77	15.80	15.76	15.93
		1855 (26090)	15.88	15.76	15.79	15.93
	25RB-Middle (12)	1910 (26640)	15.82	15.71	15.84	15.97
		1882.5 (26365)	15.85	15.73	15.75	15.93
		1855 (26090)	15.86	15.78	15.79	15.81
	25RB-Low (0)	1910 (26640)	15.75	15.84	15.76	15.93
		1882.5 (26365)	15.84	15.79	15.88	15.86
		1855 (26090)	15.73	15.83	15.89	15.81
	50RB (0)	1910 (26640)	15.80	15.88	15.78	15.77
		1882.5 (26365)	15.80	15.80	15.72	15.94
		1855 (26090)	15.85	15.82	15.72	15.85
15MHz	1RB-High (74)	1907.5 (26615)	15.51	15.94	15.58	15.86
		1882.5 (26365)	15.55	15.84	15.84	15.91
		1857.5 (26115)	15.53	16.02	15.81	15.92
	1RB-Middle (37)	1907.5 (26615)	15.65	15.79	15.58	15.90
		1882.5 (26365)	15.70	16.05	15.64	15.80
		1857.5 (26115)	15.66	16.09	15.81	15.83
	1RB-Low (0)	1907.5 (26615)	15.74	15.85	15.87	15.89
		1882.5 (26365)	15.54	16.05	15.72	15.98
		1857.5 (26115)	15.83	16.03	15.76	15.86
	36RB-High (38)	1907.5 (26615)	15.58	15.67	15.69	15.96
		1882.5 (26365)	15.70	15.63	15.79	15.88
		1857.5 (26115)	15.88	15.89	15.75	15.82
	36RB-Middle (19)	1907.5 (26615)	15.73	15.71	15.79	15.83
		1882.5 (26365)	15.81	15.68	15.74	15.81
		1857.5 (26115)	15.79	15.89	15.91	15.90
	36RB-Low (0)	1907.5 (26615)	15.69	15.79	15.70	15.97
		1882.5 (26365)	15.79	15.79	15.76	15.92
		1857.5 (26115)	15.75	15.73	15.79	15.86
	75RB (0)	1907.5 (26615)	15.78	15.70	15.66	15.98
		1882.5 (26365)	15.78	15.66	15.71	15.95
		1857.5 (26115)	15.90	15.88	15.85	15.77
20MHz	1RB-High (99)	1905 (26590)	15.61	15.92	15.61	15.77
		1882.5 (26365)	15.63	15.87	15.83	15.98

	1RB-Middle (50)	1860 (26140)	15.62	15.96	15.80	15.99
		1905 (26590)	15.59	15.81	15.68	15.80
		1882.5 (26365)	15.83	16.04	15.74	15.79
	1RB-Low (0)	1860 (26140)	15.67	16.05	15.83	15.87
		1905 (26590)	15.64	15.88	15.89	15.85
		1882.5 (26365)	15.61	16.00	15.78	15.90
	50RB-High (50)	1860 (26140)	15.78	15.97	15.77	15.96
		1905 (26590)	15.67	15.73	15.74	15.87
		1882.5 (26365)	15.71	15.72	15.75	15.81
	50RB-Middle (25)	1860 (26140)	15.81	15.81	15.83	15.86
		1905 (26590)	15.77	15.77	15.75	15.94
		1882.5 (26365)	15.82	15.75	15.77	15.84
	50RB-Low (0)	1860 (26140)	15.78	15.80	15.82	15.91
		1905 (26590)	15.75	15.75	15.76	15.84
		1882.5 (26365)	15.80	15.80	15.78	15.88
	100RB (0)	1860 (26140)	15.81	15.80	15.82	15.99
		1905 (26590)	15.82	15.78	15.71	15.92
		1882.5 (26365)	15.82	15.75	15.78	15.97
		1860 (26140)	15.80	15.88	15.81	15.99

LTE B25 ANT3 DSI5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1914.3 (26683)	21.70	22.20	21.86	19.66
		1882.5 (26365)	21.82	22.18	21.97	19.66
		1850.7 (26047)	21.92	22.05	22.11	19.64
	1RB-Middle (3)	1914.3 (26683)	21.80	22.21	21.98	19.77
		1882.5 (26365)	21.90	22.15	22.15	19.65
		1850.7 (26047)	21.93	22.30	22.04	19.68
	1RB-Low (0)	1914.3 (26683)	21.79	22.13	21.90	19.77
		1882.5 (26365)	21.79	21.98	22.03	19.65
		1850.7 (26047)	21.84	22.22	21.93	19.73
	3RB-High (3)	1914.3 (26683)	21.78	21.93	21.81	19.65
		1882.5 (26365)	21.79	21.96	21.91	19.66
		1850.7 (26047)	21.90	22.04	21.92	19.63
	3RB-Middle (1)	1914.3 (26683)	21.86	21.90	21.87	19.70

		1882.5 (26365)	21.93	22.08	21.86	19.76
		1850.7 (26047)	21.87	22.03	21.95	19.78
	3RB-Low (0)	1914.3 (26683)	21.77	22.05	21.77	19.76
		1882.5 (26365)	21.82	21.99	21.91	19.75
		1850.7 (26047)	21.92	22.05	21.92	19.77
	6RB (0)	1914.3 (26683)	21.79	21.92	21.81	19.69
		1882.5 (26365)	21.80	21.91	21.88	19.75
		1850.7 (26047)	21.95	22.03	21.97	19.73
3MHz	1RB-High (14)	1913.5 (26675)	21.74	22.09	21.87	19.71
		1882.5 (26365)	21.84	22.06	21.82	19.75
		1851.5 (26055)	21.89	22.15	22.03	19.78
	1RB-Middle (7)	1913.5 (26675)	21.89	22.23	22.03	19.71
		1882.5 (26365)	21.87	22.12	21.90	19.69
		1851.5 (26055)	21.95	22.11	22.09	19.74
	1RB-Low (0)	1913.5 (26675)	21.70	22.15	21.89	19.74
		1882.5 (26365)	21.74	22.16	21.92	19.78
		1851.5 (26055)	21.89	22.29	22.00	19.74
	8RB-High (7)	1913.5 (26675)	21.84	21.92	21.91	19.75
		1882.5 (26365)	21.87	21.95	21.92	19.68
		1851.5 (26055)	21.98	22.02	21.99	19.65
	8RB-Middle (4)	1913.5 (26675)	21.90	21.95	21.93	19.61
		1882.5 (26365)	21.91	21.98	21.87	19.75
		1851.5 (26055)	22.05	22.03	22.00	19.78
	8RB-Low (0)	1913.5 (26675)	21.87	21.85	21.86	19.65
		1882.5 (26365)	21.92	21.99	21.87	19.61
		1851.5 (26055)	21.93	22.00	21.95	19.66
	15RB (0)	1913.5 (26675)	21.86	21.91	21.94	19.75
		1882.5 (26365)	21.90	21.95	21.93	19.66
		1851.5 (26055)	21.99	22.00	22.00	19.76
5MHz	1RB-High (24)	1912.5 (26665)	21.85	22.36	21.93	19.76
		1882.5 (26365)	21.87	22.04	21.77	19.68
		1852.5 (26065)	21.88	22.25	22.08	19.73
	1RB-Middle (12)	1912.5 (26665)	21.77	22.09	21.96	19.78
		1882.5 (26365)	21.83	22.33	22.04	19.66
		1852.5 (26065)	21.97	22.44	22.04	19.68

	1RB-Low (0)	1912.5 (26665)	21.85	22.15	21.93	19.75
		1882.5 (26365)	21.73	22.18	22.00	19.74
		1852.5 (26065)	21.83	22.33	21.83	19.70
	12RB-High (13)	1912.5 (26665)	21.91	21.84	21.94	19.65
		1882.5 (26365)	21.88	21.90	21.86	19.71
		1852.5 (26065)	21.93	21.94	21.96	19.61
	12RB-Middle (6)	1912.5 (26665)	21.91	21.95	21.93	19.67
		1882.5 (26365)	21.97	21.94	21.90	19.64
		1852.5 (26065)	21.96	22.00	21.95	19.70
	12RB-Low (0)	1912.5 (26665)	21.90	21.88	21.84	19.65
		1882.5 (26365)	21.89	21.96	21.90	19.67
		1852.5 (26065)	21.99	21.99	22.01	19.66
	25RB (0)	1912.5 (26665)	21.85	21.87	21.88	19.62
		1882.5 (26365)	21.93	21.89	21.90	19.66
		1852.5 (26065)	21.98	21.94	21.54	19.74
10MHz	1RB-High (49)	1910 (26640)	21.81	21.98	21.84	19.61
		1882.5 (26365)	21.84	22.16	21.78	19.72
		1855 (26090)	21.88	22.08	21.91	19.78
	1RB-Middle (24)	1910 (26640)	21.82	22.04	21.99	19.70
		1882.5 (26365)	21.85	22.15	21.98	19.69
		1855 (26090)	21.97	22.14	22.09	19.78
	1RB-Low (0)	1910 (26640)	21.96	22.06	21.87	19.75
		1882.5 (26365)	21.79	22.06	22.12	19.63
		1855 (26090)	21.88	22.14	22.07	19.67
	25RB-High (25)	1910 (26640)	21.93	21.86	21.84	19.67
		1882.5 (26365)	21.92	21.96	21.94	19.64
		1855 (26090)	21.92	21.94	21.93	19.64
	25RB-Middle (12)	1910 (26640)	21.92	21.96	21.97	19.74
		1882.5 (26365)	21.92	21.86	21.95	19.75
		1855 (26090)	21.96	22.07	21.97	19.63
	25RB-Low (0)	1910 (26640)	21.84	21.79	21.81	19.71
		1882.5 (26365)	21.91	21.88	21.83	19.76
		1855 (26090)	21.99	21.95	21.96	19.65
	50RB (0)	1910 (26640)	21.85	21.81	21.80	19.70
		1882.5 (26365)	21.92	21.96	21.92	19.77
		1855 (26090)	21.94	21.96	21.94	19.78

15MHz	1RB-High (74)	1907.5 (26615)	21.59	21.70	21.68	19.75
		1882.5 (26365)	21.72	21.87	21.85	19.72
		1857.5 (26115)	21.80	21.95	22.18	19.62
	1RB-Middle (37)	1907.5 (26615)	21.67	22.34	22.07	19.72
		1882.5 (26365)	21.72	21.85	21.64	19.67
		1857.5 (26115)	21.66	21.91	21.65	19.65
	1RB-Low (0)	1907.5 (26615)	21.64	21.89	21.79	19.68
		1882.5 (26365)	21.73	21.97	21.82	19.77
		1857.5 (26115)	21.81	21.98	21.96	19.77
	36RB-High (38)	1907.5 (26615)	21.78	21.75	21.78	19.74
		1882.5 (26365)	21.75	21.86	21.76	19.64
		1857.5 (26115)	21.83	21.86	21.76	19.63
	36RB-Middle (19)	1907.5 (26615)	21.71	21.73	21.72	19.61
		1882.5 (26365)	21.73	21.82	21.79	19.66
		1857.5 (26115)	21.81	21.85	21.84	19.65
	36RB-Low (0)	1907.5 (26615)	21.72	21.73	21.68	19.64
		1882.5 (26365)	21.76	21.76	21.85	19.72
		1857.5 (26115)	21.81	21.90	21.79	19.76
	75RB (0)	1907.5 (26615)	21.75	21.66	21.72	19.69
		1882.5 (26365)	21.79	21.81	21.77	19.64
		1857.5 (26115)	21.80	21.85	21.85	19.69
20MHz	1RB-High (99)	1905 (26590)	21.57	22.00	21.75	19.68
		1882.5 (26365)	21.70	21.98	21.81	19.77
		1860 (26140)	21.67	21.89	22.02	19.74
	1RB-Middle (50)	1905 (26590)	21.65	21.94	21.78	19.70
		1882.5 (26365)	21.86	21.94	21.75	19.67
		1860 (26140)	21.73	21.97	21.98	19.62
	1RB-Low (0)	1905 (26590)	21.75	22.05	21.55	19.67
		1882.5 (26365)	21.73	22.09	21.87	19.69
		1860 (26140)	21.81	22.10	21.95	19.70
	50RB-High (50)	1905 (26590)	21.83	21.72	21.79	19.76
		1882.5 (26365)	21.77	21.69	21.73	19.66
		1860 (26140)	21.44	21.81	21.76	19.68
	50RB-Middle (25)	1905 (26590)	21.81	21.84	21.78	19.68
		1882.5 (26365)	21.86	21.78	21.84	19.63

	50RB-Low (0)	1860 (26140)	21.82	21.89	21.83	19.66
		1905 (26590)	21.75	21.65	21.66	19.61
		1882.5 (26365)	21.66	21.78	21.71	19.68
		1860 (26140)	21.71	21.89	21.84	19.67
	100RB (0)	1905 (26590)	21.79	21.82	21.83	19.66
		1882.5 (26365)	21.78	21.80	21.74	19.62
		1860 (26140)	21.87	21.84	21.81	19.73

LTE B26 ANT0 DSI14/1/2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	23.88	23.48	22.19	19.12
		831.5 (26865)	24.08	23.55	22.10	19.20
		814.7 (26697)	24.09	23.45	22.10	19.22
	1RB-Middle (3)	848.3 (27033)	24.02	23.26	22.21	19.12
		831.5 (26865)	24.11	23.51	22.31	19.08
		814.7 (26697)	24.10	23.53	22.24	19.12
	1RB-Low (0)	848.3 (27033)	23.93	23.32	22.03	19.19
		831.5 (26865)	24.08	23.51	22.25	19.12
		814.7 (26697)	24.12	23.55	22.28	19.10
	3RB-High (3)	848.3 (27033)	24.00	23.08	22.02	19.03
		831.5 (26865)	24.06	23.29	22.24	19.15
		814.7 (26697)	24.11	23.24	22.19	19.21
	3RB-Middle (1)	848.3 (27033)	24.01	23.04	22.11	19.27
		831.5 (26865)	24.12	23.25	22.12	19.15
		814.7 (26697)	24.17	23.27	22.26	19.11
	3RB-Low (0)	848.3 (27033)	23.99	23.13	22.07	19.22
		831.5 (26865)	24.09	23.37	22.08	19.14
		814.7 (26697)	24.07	23.29	22.30	19.08
	6RB (0)	848.3 (27033)	23.11	22.13	21.01	19.20
		831.5 (26865)	23.16	22.24	21.28	19.22
		814.7 (26697)	23.25	22.33	21.28	19.16
3MHz	1RB-High (14)	847.5 (27025)	23.98	23.27	22.10	19.24
		831.5 (26865)	24.10	23.32	22.15	19.16
		815.5 (26705)	23.90	23.28	22.04	19.20

	1RB-Middle (7)	847.5 (27025)	24.04	23.37	22.14	19.19
		831.5 (26865)	24.07	23.52	22.38	19.02
		815.5 (26705)	24.01	23.43	22.25	19.18
	1RB-Low (0)	847.5 (27025)	23.99	23.32	21.99	19.19
		831.5 (26865)	24.05	23.47	22.20	19.11
		815.5 (26705)	24.02	23.38	22.11	19.05
	8RB-High (7)	847.5 (27025)	23.04	22.08	21.03	19.02
		831.5 (26865)	23.18	22.15	21.19	19.21
		815.5 (26705)	23.15	22.10	21.12	19.27
	8RB-Middle (4)	847.5 (27025)	23.05	22.10	21.04	19.09
		831.5 (26865)	23.18	22.26	21.27	19.10
		815.5 (26705)	23.14	22.18	21.13	19.03
	8RB-Low (0)	847.5 (27025)	23.06	22.03	21.06	19.11
		831.5 (26865)	23.14	22.13	21.12	19.03
		815.5 (26705)	23.11	22.07	21.09	19.20
	15RB (0)	847.5 (27025)	23.17	22.15	21.09	19.22
		831.5 (26865)	23.20	22.08	21.11	19.25
		815.5 (26705)	23.08	22.03	21.04	19.15
5MHz	1RB-High (24)	846.5 (27015)	24.03	23.37	22.13	19.24
		831.5 (26865)	24.11	23.46	22.27	19.24
		816.5 (26715)	24.08	23.51	22.15	19.13
	1RB-Middle (12)	846.5 (27015)	24.08	23.48	22.29	19.26
		831.5 (26865)	24.12	23.50	22.46	19.04
		816.5 (26715)	24.15	23.48	22.46	19.09
	1RB-Low (0)	846.5 (27015)	24.02	23.48	22.26	19.16
		831.5 (26865)	24.12	23.60	22.27	19.23
		816.5 (26715)	24.03	23.59	22.25	19.15
	12RB-High (13)	846.5 (27015)	23.05	22.12	21.09	19.09
		831.5 (26865)	23.21	22.21	21.15	19.02
		816.5 (26715)	23.21	22.25	21.22	19.03
	12RB-Middle (6)	846.5 (27015)	23.11	22.19	21.14	19.06
		831.5 (26865)	23.17	22.13	21.10	19.07
		816.5 (26715)	23.30	22.35	21.35	19.26
	12RB-Low (0)	846.5 (27015)	23.15	22.09	21.09	19.03
		831.5 (26865)	23.10	22.15	21.11	19.08
		816.5 (26715)	23.22	22.25	21.19	19.21

		846.5 (27015)	23.19	22.11	21.13	19.10
	25RB (0)	831.5 (26865)	23.20	22.10	21.12	19.24
		816.5 (26715)	23.30	22.24	21.25	19.15
10MHz	1RB-High (49)	844 (26990)	24.08	23.15	22.10	19.18
		831.5 (26865)	24.05	23.40	22.17	19.13
		820 (26750)	23.99	23.38	22.14	19.16
	1RB-Middle (24)	844 (26990)	24.07	23.31	22.22	19.13
		831.5 (26865)	24.15	23.48	22.42	19.17
		820 (26750)	24.15	23.46	22.38	19.09
	1RB-Low (0)	844 (26990)	24.04	23.35	22.26	19.07
		831.5 (26865)	24.32	23.42	22.30	19.23
		820 (26750)	24.20	23.41	22.43	19.27
	25RB-High (25)	844 (26990)	23.14	22.11	21.14	19.13
		831.5 (26865)	23.13	22.21	21.17	19.08
		820 (26750)	23.25	22.32	21.22	19.15
	25RB-Middle (12)	844 (26990)	23.16	22.12	21.06	19.02
		831.5 (26865)	23.26	22.15	21.14	19.19
		820 (26750)	23.30	22.27	21.18	19.25
	25RB-Low (0)	844 (26990)	23.06	22.05	21.07	19.02
		831.5 (26865)	23.20	22.15	21.17	19.25
		820 (26750)	23.21	22.24	21.14	19.27
	50RB (0)	844 (26990)	23.06	22.06	21.02	19.18
		831.5 (26865)	23.23	22.11	21.02	19.13
		820 (26750)	23.28	22.23	21.17	19.07
15MHz	1RB-High (74)	841.5 (26965)	23.74	23.03	21.93	19.26
		831.5 (26865)	23.87	23.47	21.89	19.03
		822.5 (26775)	24.02	23.40	21.82	19.16
	1RB-Middle (37)	841.5 (26965)	23.87	23.30	21.90	19.16
		831.5 (26865)	23.93	23.38	22.33	19.19
		822.5 (26775)	23.86	23.35	22.14	19.13
	1RB-Low (0)	841.5 (26965)	23.90	23.29	22.04	19.13
		831.5 (26865)	23.93	23.11	22.01	19.04
		822.5 (26775)	23.94	23.32	22.18	19.14
	36RB-High (38)	841.5 (26965)	23.00	22.02	21.06	19.13
		831.5 (26865)	23.06	22.04	20.94	19.23

	36RB-Middle (19)	822.5 (26775)	23.16	22.09	20.92	19.03
		841.5 (26965)	23.03	22.02	21.05	19.17
		831.5 (26865)	22.93	21.97	21.07	19.12
		822.5 (26775)	23.02	22.06	21.02	19.12
	36RB-Low (0)	841.5 (26965)	22.96	22.10	20.93	19.25
		831.5 (26865)	23.13	22.07	21.00	19.08
		822.5 (26775)	23.02	22.06	20.97	19.26
	75RB (0)	841.5 (26965)	22.97	21.97	20.90	19.27
		831.5 (26865)	23.00	22.03	20.98	19.20
		822.5 (26775)	23.02	22.06	21.01	19.26

LTE B26 ANT3 DSI14/1/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	23.89	23.49	22.10	19.63
		831.5 (26865)	23.96	23.32	22.05	19.61
		814.7 (26697)	23.93	23.50	22.18	19.66
	1RB-Middle (3)	848.3 (27033)	23.90	23.19	22.12	19.73
		831.5 (26865)	24.00	23.39	22.11	19.67
		814.7 (26697)	24.01	23.22	22.14	19.58
	1RB-Low (0)	848.3 (27033)	24.02	23.21	22.15	19.61
		831.5 (26865)	23.90	23.21	22.19	19.68
		814.7 (26697)	23.91	23.42	22.33	19.58
	3RB-High (3)	848.3 (27033)	23.98	23.06	22.03	19.57
		831.5 (26865)	24.00	23.15	22.02	19.67
		814.7 (26697)	24.07	23.06	22.09	19.65
	3RB-Middle (1)	848.3 (27033)	24.03	23.13	22.01	19.66
		831.5 (26865)	24.11	23.13	22.10	19.64
		814.7 (26697)	24.12	23.12	22.10	19.58
	3RB-Low (0)	848.3 (27033)	23.96	23.12	22.09	19.68
		831.5 (26865)	24.01	23.06	22.01	19.68
		814.7 (26697)	24.02	23.13	22.06	19.63
	6RB (0)	848.3 (27033)	23.02	22.13	21.03	19.61
		831.5 (26865)	23.10	22.13	21.16	19.56
		814.7 (26697)	23.21	22.27	21.14	19.73

3MHz	1RB-High (14)	847.5 (27025)	23.97	23.28	22.06	19.70
		831.5 (26865)	23.93	23.21	22.03	19.65
		815.5 (26705)	23.88	23.28	22.20	19.57
	1RB-Middle (7)	847.5 (27025)	24.01	23.44	22.17	19.61
		831.5 (26865)	24.15	23.51	22.19	19.68
		815.5 (26705)	24.03	23.43	22.26	19.59
	1RB-Low (0)	847.5 (27025)	23.88	23.54	22.14	19.70
		831.5 (26865)	24.00	23.62	22.05	19.57
		815.5 (26705)	23.83	23.33	22.07	19.68
	8RB-High (7)	847.5 (27025)	22.98	22.07	21.06	19.65
		831.5 (26865)	23.09	22.20	21.10	19.71
		815.5 (26705)	23.02	22.09	21.05	19.73
	8RB-Middle (4)	847.5 (27025)	23.07	22.10	21.08	19.69
		831.5 (26865)	23.18	22.19	21.22	19.61
		815.5 (26705)	23.02	22.09	21.10	19.56
	8RB-Low (0)	847.5 (27025)	23.03	22.03	21.07	19.70
		831.5 (26865)	23.02	22.11	21.03	19.73
		815.5 (26705)	23.03	22.09	20.97	19.56
	15RB (0)	847.5 (27025)	23.17	22.06	21.06	19.60
		831.5 (26865)	23.13	22.10	21.05	19.61
		815.5 (26705)	23.09	22.02	21.12	19.59
5MHz	1RB-High (24)	846.5 (27015)	23.94	23.25	22.16	19.61
		831.5 (26865)	24.05	23.46	22.27	19.64
		816.5 (26715)	24.03	23.28	22.34	19.69
	1RB-Middle (12)	846.5 (27015)	23.95	23.44	22.09	19.64
		831.5 (26865)	24.03	23.45	22.27	19.61
		816.5 (26715)	24.12	23.48	22.15	19.63
	1RB-Low (0)	846.5 (27015)	24.09	23.37	22.22	19.71
		831.5 (26865)	23.97	23.24	22.17	19.69
		816.5 (26715)	24.04	23.52	22.25	19.62
	12RB-High (13)	846.5 (27015)	23.06	22.05	21.06	19.63
		831.5 (26865)	23.12	22.07	21.10	19.62
		816.5 (26715)	23.08	22.14	21.16	19.63
	12RB-Middle (6)	846.5 (27015)	23.11	22.14	21.06	19.59
		831.5 (26865)	23.19	22.11	21.03	19.61
		816.5 (26715)	23.26	22.21	21.16	19.70

	12RB-Low (0)	846.5 (27015)	23.06	22.10	21.03	19.64
		831.5 (26865)	23.07	22.12	21.05	19.66
		816.5 (26715)	23.16	22.19	21.09	19.62
	25RB (0)	846.5 (27015)	23.15	22.08	21.10	19.57
		831.5 (26865)	23.13	22.03	21.03	19.63
		816.5 (26715)	23.20	22.20	21.14	19.68
10MHz	1RB-High (49)	844 (26990)	23.92	23.23	21.87	19.57
		831.5 (26865)	24.02	23.10	22.14	19.69
		820 (26750)	24.05	23.37	22.16	19.57
	1RB-Middle (24)	844 (26990)	24.08	23.19	22.14	19.56
		831.5 (26865)	24.07	23.41	22.26	19.71
		820 (26750)	24.11	23.33	22.23	19.72
	1RB-Low (0)	844 (26990)	24.06	23.43	22.22	19.60
		831.5 (26865)	24.10	23.43	22.28	19.56
		820 (26750)	24.16	23.31	22.27	19.72
	25RB-High (25)	844 (26990)	23.10	22.14	21.21	19.72
		831.5 (26865)	23.18	22.23	21.16	19.70
		820 (26750)	23.13	22.08	21.18	19.73
	25RB-Middle (12)	844 (26990)	23.08	22.05	21.09	19.56
		831.5 (26865)	23.09	22.16	21.08	19.71
		820 (26750)	23.19	22.18	21.19	19.60
	25RB-Low (0)	844 (26990)	23.10	22.11	21.09	19.65
		831.5 (26865)	23.22	22.10	21.11	19.58
		820 (26750)	23.08	22.14	21.08	19.59
	50RB (0)	844 (26990)	23.01	22.03	20.98	19.60
		831.5 (26865)	23.19	22.15	21.03	19.67
		820 (26750)	23.15	22.13	21.06	19.58
15MHz	1RB-High (74)	841.5 (26965)	23.70	23.31	21.87	19.63
		831.5 (26865)	23.77	23.01	21.93	19.71
		822.5 (26775)	23.77	22.94	21.95	19.60
	1RB-Middle (37)	841.5 (26965)	23.87	23.16	22.22	19.61
		831.5 (26865)	23.93	23.30	22.23	19.69
		822.5 (26775)	23.85	23.16	21.91	19.69
	1RB-Low (0)	841.5 (26965)	23.83	23.44	21.98	19.68
		831.5 (26865)	23.82	23.22	21.93	19.58

	36RB-High (38)	822.5 (26775)	23.92	23.36	22.06	19.56
		841.5 (26965)	22.94	21.99	20.88	19.63
		831.5 (26865)	22.92	21.98	21.00	19.66
	36RB-Middle (19)	822.5 (26775)	22.95	21.91	20.97	19.66
		841.5 (26965)	22.91	22.04	20.95	19.70
		831.5 (26865)	22.98	21.92	20.92	19.61
	36RB-Low (0)	822.5 (26775)	22.91	22.00	20.91	19.58
		841.5 (26965)	22.90	21.95	20.97	19.67
		831.5 (26865)	22.95	22.04	20.95	19.73
	75RB (0)	822.5 (26775)	22.90	21.94	20.96	19.69
		841.5 (26965)	22.92	21.86	20.94	19.68
		831.5 (26865)	23.02	22.04	20.98	19.63
		822.5 (26775)	23.00	21.96	20.96	19.72

LTE B26 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	22.75	23.07	22.86	19.02
		831.5 (26865)	22.68	23.11	22.70	18.80
		814.7 (26697)	22.91	23.21	22.82	18.75
	1RB-Middle (3)	848.3 (27033)	22.76	23.34	22.94	18.74
		831.5 (26865)	22.81	23.02	22.75	18.90
		814.7 (26697)	22.75	23.23	22.70	19.09
	1RB-Low (0)	848.3 (27033)	22.66	22.99	22.94	18.92
		831.5 (26865)	22.73	23.11	22.80	18.81
		814.7 (26697)	22.74	23.06	22.93	19.10
	3RB-High (3)	848.3 (27033)	22.74	22.88	22.77	18.82
		831.5 (26865)	22.79	22.87	22.77	19.08
		814.7 (26697)	22.85	22.83	22.94	18.78
	3RB-Middle (1)	848.3 (27033)	22.75	22.82	22.73	18.75
		831.5 (26865)	22.83	23.05	22.90	19.01
		814.7 (26697)	22.77	22.90	22.75	18.93
	3RB-Low (0)	848.3 (27033)	22.71	22.78	22.79	18.85
		831.5 (26865)	22.77	22.83	22.76	19.04
		814.7 (26697)	22.80	22.83	22.73	18.80
	6RB (0)	848.3 (27033)	22.77	21.88	21.89	18.96

		831.5 (26865)	22.88	21.96	22.01	19.11
		814.7 (26697)	22.87	21.98	21.87	18.80
3MHz	1RB-High (14)	847.5 (27025)	22.40	22.68	21.79	19.06
		831.5 (26865)	22.68	22.73	21.86	18.92
		815.5 (26705)	22.45	22.83	21.93	18.75
	1RB-Middle (7)	847.5 (27025)	22.55	22.88	21.69	18.92
		831.5 (26865)	22.61	22.82	21.10	18.97
		815.5 (26705)	22.56	22.55	21.03	18.86
	1RB-Low (0)	847.5 (27025)	22.61	22.92	21.61	18.84
		831.5 (26865)	22.53	22.87	21.76	18.95
		815.5 (26705)	22.65	22.80	21.89	18.89
	8RB-High (7)	847.5 (27025)	22.65	21.83	20.87	18.78
		831.5 (26865)	22.76	21.76	20.97	18.72
		815.5 (26705)	22.73	21.73	20.75	18.72
	8RB-Middle (4)	847.5 (27025)	22.52	21.79	20.81	19.06
		831.5 (26865)	22.75	21.79	20.73	19.07
		815.5 (26705)	22.79	21.84	20.92	18.78
	8RB-Low (0)	847.5 (27025)	22.74	21.89	20.76	18.99
		831.5 (26865)	22.69	21.86	20.78	19.10
		815.5 (26705)	22.81	21.81	20.75	18.93
	15RB (0)	847.5 (27025)	22.65	21.72	20.84	18.83
		831.5 (26865)	22.60	21.80	20.73	18.86
		815.5 (26705)	22.59	21.72	20.99	18.77
5MHz	1RB-High (24)	846.5 (27015)	22.52	22.83	21.77	18.98
		831.5 (26865)	22.60	22.93	21.88	18.78
		816.5 (26715)	22.54	22.71	21.79	18.73
	1RB-Middle (12)	846.5 (27015)	22.67	22.87	21.66	18.93
		831.5 (26865)	22.57	22.85	21.06	18.74
		816.5 (26715)	22.63	22.52	21.54	19.07
	1RB-Low (0)	846.5 (27015)	22.56	22.90	21.78	18.84
		831.5 (26865)	22.69	22.86	21.73	18.87
		816.5 (26715)	22.68	22.87	21.90	18.74
	12RB-High (13)	846.5 (27015)	22.63	21.88	20.91	18.98
		831.5 (26865)	22.68	21.74	20.95	19.02
		816.5 (26715)	22.72	21.73	20.77	19.05

	12RB-Middle (6)	846.5 (27015)	22.53	21.79	20.66	19.09
		831.5 (26865)	22.63	21.79	20.80	18.74
		816.5 (26715)	22.77	21.76	20.81	18.77
	12RB-Low (0)	846.5 (27015)	22.65	21.87	20.92	18.90
		831.5 (26865)	22.66	21.80	20.74	18.97
		816.5 (26715)	22.83	21.79	20.73	19.03
	25RB (0)	846.5 (27015)	22.78	21.75	20.71	18.79
		831.5 (26865)	22.74	21.80	20.63	18.92
		816.5 (26715)	22.76	21.78	20.93	18.88
10MHz	1RB-High (49)	844 (26990)	22.50	22.81	21.89	19.05
		831.5 (26865)	22.61	22.79	21.76	18.78
		820 (26750)	22.64	22.77	21.92	19.04
	1RB-Middle (24)	844 (26990)	22.65	22.78	21.65	19.05
		831.5 (26865)	22.55	22.84	21.34	19.02
		820 (26750)	22.68	22.51	21.12	18.96
	1RB-Low (0)	844 (26990)	22.61	22.84	21.65	18.84
		831.5 (26865)	22.64	22.75	21.90	19.09
		820 (26750)	22.73	22.78	21.81	19.01
	25RB-High (25)	844 (26990)	22.78	21.91	20.84	18.80
		831.5 (26865)	22.78	21.88	20.98	18.85
		820 (26750)	22.63	21.86	20.94	18.82
	25RB-Middle (12)	844 (26990)	22.64	21.77	20.73	18.79
		831.5 (26865)	22.70	21.81	20.75	18.99
		820 (26750)	22.69	21.93	20.96	18.87
	25RB-Low (0)	844 (26990)	22.69	21.93	20.77	19.07
		831.5 (26865)	22.67	21.80	20.80	19.10
		820 (26750)	22.76	21.90	20.82	19.00
	50RB (0)	844 (26990)	22.73	21.72	20.71	18.81
		831.5 (26865)	22.55	21.67	20.77	18.74
		820 (26750)	22.60	21.79	20.92	18.82
15MHz	1RB-High (74)	841.5 (26965)	22.46	22.73	21.82	19.02
		831.5 (26865)	22.64	22.97	21.92	18.86
		822.5 (26775)	22.54	22.81	21.98	19.08
	1RB-Middle (37)	841.5 (26965)	22.62	22.78	21.67	18.96
		831.5 (26865)	22.74	22.85	21.07	18.90

	1RB-Low (0)	822.5 (26775)	22.66	22.51	21.96	18.85
		841.5 (26965)	22.63	22.94	21.71	19.02
		831.5 (26865)	22.61	22.94	21.82	19.03
		822.5 (26775)	22.69	22.77	21.94	18.90
	36RB-High (38)	841.5 (26965)	22.69	21.83	20.82	19.04
		831.5 (26865)	22.78	21.80	20.89	18.78
		822.5 (26775)	22.65	21.79	20.85	19.11
	36RB-Middle (19)	841.5 (26965)	22.59	21.79	20.76	19.00
		831.5 (26865)	22.79	21.89	20.74	18.79
		822.5 (26775)	22.75	21.85	20.88	19.11
	36RB-Low (0)	841.5 (26965)	22.67	21.85	20.84	19.04
		831.5 (26865)	22.72	21.79	20.82	19.08
		822.5 (26775)	22.74	21.81	20.79	18.98
	75RB (0)	841.5 (26965)	22.73	21.77	20.77	19.05
		831.5 (26865)	22.64	21.76	20.73	18.74
		822.5 (26775)	22.69	21.78	20.90	18.87

LTE B41PC2 ANT3 DSI14

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	25.40	25.63	24.77	21.71
		2640.3(41093)	25.37	25.88	24.87	21.57
		2593 (40620)	25.44	25.81	24.75	21.65
		2545.8(40148)	25.39	25.69	24.84	21.69
		2498.5 (39675)	25.35	25.89	24.82	21.71
	1RB-Middle (12)	2687.5 (41565)	25.43	25.65	24.75	21.61
		2640.3(41093)	25.41	25.72	24.74	21.69
		2593 (40620)	25.35	25.65	24.80	21.60
		2545.8(40148)	25.37	25.70	24.75	21.72
		2498.5 (39675)	25.50	25.71	24.82	21.71
	1RB-Low (0)	2687.5 (41565)	25.39	25.81	24.76	21.57
		2640.3(41093)	25.37	25.62	24.72	21.60
		2593 (40620)	25.40	25.89	24.77	21.58
		2545.8(40148)	25.47	25.91	24.75	21.70
		2498.5 (39675)	25.46	25.93	24.87	21.60
	12RB-High (13)	2687.5 (41565)	25.60	24.63	23.52	21.65

		2640.3(41093)	25.55	24.57	23.45	21.67
		2593 (40620)	25.59	24.62	23.53	21.59
		2545.8(40148)	25.48	24.61	23.51	21.65
		2498.5 (39675)	25.60	24.52	23.60	21.69
	12RB-Middle (6)	2687.5 (41565)	25.50	24.53	23.57	21.69
		2640.3(41093)	25.57	24.64	23.46	21.72
		2593 (40620)	25.60	24.53	23.52	21.66
		2545.8(40148)	25.47	24.64	23.61	21.72
		2498.5 (39675)	25.57	24.51	23.62	21.58
	12RB-Low (0)	2687.5 (41565)	25.57	24.56	23.52	21.63
		2640.3(41093)	25.55	24.50	23.47	21.70
		2593 (40620)	25.57	24.56	23.57	21.61
		2545.8(40148)	25.53	24.55	23.52	21.59
		2498.5 (39675)	25.47	24.61	23.61	21.66
	25RB (0)	2687.5 (41565)	25.50	24.55	23.46	21.71
		2640.3(41093)	25.56	24.64	23.62	21.72
		2593 (40620)	25.53	24.64	23.59	21.70
		2545.8(40148)	25.49	24.62	23.63	21.62
		2498.5 (39675)	25.57	24.55	23.45	21.71
10MHz	1RB-High (49)	2685 (41540)	25.40	25.84	24.80	21.72
		2639(41080)	25.46	25.61	24.84	21.67
		2593 (40620)	25.35	25.72	24.84	21.61
		2547(40160)	25.35	25.86	24.87	21.64
		2501 (39700)	25.50	25.97	24.83	21.59
	1RB-Middle (24)	2685 (41540)	25.33	25.79	24.76	21.62
		2639(41080)	25.41	25.77	24.75	21.63
		2593 (40620)	25.50	25.79	24.84	21.68
		2547(40160)	25.39	25.91	24.84	21.58
		2501 (39700)	25.45	25.91	24.79	21.68
	1RB-Low (0)	2685 (41540)	25.44	25.79	24.86	21.59
		2639(41080)	25.49	25.69	24.74	21.58
		2593 (40620)	25.50	25.84	24.82	21.66
		2547(40160)	25.43	25.85	24.84	21.67
		2501 (39700)	25.48	25.84	24.80	21.64
	25RB-High (25)	2685 (41540)	25.53	24.64	23.63	21.58
		2639(41080)	25.60	24.57	23.54	21.57

		2593 (40620)	25.57	24.55	23.53	21.68
		2547(40160)	25.48	24.56	23.52	21.71
		2501 (39700)	25.58	24.59	23.56	21.69
	25RB-Middle (12)	2685 (41540)	25.54	24.58	23.52	21.63
		2639(41080)	25.58	24.58	23.45	21.61
		2593 (40620)	25.58	24.54	23.51	21.64
		2547(40160)	25.58	24.57	23.49	21.64
		2501 (39700)	25.48	24.58	23.52	21.68
	25RB-Low (0)	2685 (41540)	25.47	24.58	23.60	21.61
		2639(41080)	25.57	24.63	23.48	21.63
		2593 (40620)	25.54	24.60	23.48	21.70
		2547(40160)	25.59	24.64	23.58	21.61
		2501 (39700)	25.60	24.61	23.61	21.68
	50RB (0)	2685 (41540)	25.57	24.57	23.50	21.62
		2639(41080)	25.56	24.50	23.58	21.60
		2593 (40620)	25.48	24.61	23.60	21.58
		2547(40160)	25.53	24.51	23.56	21.66
		2501 (39700)	25.52	24.63	23.59	21.63
15MHz	1RB-High (74)	2682.5 (41515)	25.38	25.64	24.80	21.60
		2637.8(41068)	25.43	25.65	24.75	21.71
		2593 (40620)	25.45	25.76	24.82	21.63
		2548.3(40173)	25.37	25.91	24.80	21.64
		2503.5 (39725)	25.34	25.61	24.84	21.62
	1RB-Middle (37)	2682.5 (41515)	25.43	25.68	24.78	21.71
		2637.8(41068)	25.36	25.84	24.75	21.58
		2593 (40620)	25.34	25.65	24.73	21.68
		2548.3(40173)	25.45	25.89	24.87	21.70
		2503.5 (39725)	25.37	25.94	24.75	21.57
	1RB-Low (0)	2682.5 (41515)	25.36	25.86	24.76	21.58
		2637.8(41068)	25.40	25.87	24.75	21.70
		2593 (40620)	25.48	25.67	24.76	21.58
		2548.3(40173)	25.46	25.81	24.87	21.63
		2503.5 (39725)	25.39	25.92	24.84	21.64
	36RB-High (38)	2682.5 (41515)	25.58	24.51	23.51	21.63
		2637.8(41068)	25.57	24.63	23.46	21.72
		2593 (40620)	25.60	24.61	23.50	21.58

		2548.3(40173)	25.53	24.62	23.55	21.71
		2503.5 (39725)	25.51	24.62	23.60	21.58
	36RB-Middle (19)	2682.5 (41515)	25.48	24.57	23.58	21.67
		2637.8(41068)	25.54	24.60	23.63	21.60
		2593 (40620)	25.51	24.59	23.47	21.72
		2548.3(40173)	25.60	24.57	23.50	21.58
		2503.5 (39725)	25.59	24.64	23.61	21.57
	36RB-Low (0)	2682.5 (41515)	25.53	24.58	23.59	21.71
		2637.8(41068)	25.54	24.51	23.61	21.57
		2593 (40620)	25.60	24.63	23.50	21.60
		2548.3(40173)	25.59	24.59	23.47	21.70
		2503.5 (39725)	25.49	24.54	23.51	21.65
	75RB (0)	2682.5 (41515)	25.51	24.59	23.47	21.64
		2637.8(41068)	25.50	24.63	23.46	21.67
		2593 (40620)	25.58	24.64	23.55	21.57
		2548.3(40173)	25.56	24.62	23.54	21.70
		2503.5 (39725)	25.54	24.59	23.56	21.59
20MHz	1RB-High (99)	2680 (41490)	25.34	25.61	24.79	21.58
		2636.5(41055)	25.45	25.97	24.75	21.64
		2593 (40620)	25.46	25.70	24.78	21.59
		2549.5(40185)	25.46	25.60	24.86	21.65
		2506 (39750)	25.29	25.75	24.79	21.72
	1RB-Middle (50)	2680 (41490)	25.29	25.80	24.70	21.62
		2636.5(41055)	25.42	25.71	24.81	21.61
		2593 (40620)	25.54	25.79	24.82	21.68
		2549.5(40185)	25.43	25.60	24.82	21.67
		2506 (39750)	25.37	25.69	24.72	21.59
	1RB-Low (0)	2680 (41490)	25.44	25.74	24.72	21.64
		2636.5(41055)	25.50	25.71	24.94	21.59
		2593 (40620)	25.46	25.84	24.86	21.65
		2549.5(40185)	25.46	25.80	24.91	21.63
		2506 (39750)	25.42	25.77	24.71	21.68
	50RB-High (50)	2680 (41490)	25.57	24.52	23.51	21.59
		2636.5(41055)	25.57	24.59	23.60	21.66
		2593 (40620)	25.59	24.59	23.59	21.70
		2549.5(40185)	25.59	24.57	23.56	21.68

	50RB-Middle (25)	2506 (39750)	25.55	24.53	23.50	21.69
		2680 (41490)	25.45	24.52	23.50	21.70
		2636.5(41055)	25.55	24.55	23.56	21.65
		2593 (40620)	25.66	24.62	23.62	21.64
		2549.5(40185)	25.65	24.61	23.62	21.65
		2506 (39750)	25.57	24.52	23.58	21.72
	50RB-Low (0)	2680 (41490)	25.48	24.48	23.47	21.71
		2636.5(41055)	25.58	24.58	23.58	21.61
		2593 (40620)	25.57	24.56	23.57	21.62
		2549.5(40185)	25.58	24.55	23.55	21.66
		2506 (39750)	25.50	24.51	23.47	21.70
	100RB (0)	2680 (41490)	25.48	24.44	23.45	21.72
		2636.5(41055)	25.53	24.54	23.54	21.71
		2593 (40620)	25.62	24.62	23.58	21.57
		2549.5(40185)	25.62	24.59	23.61	21.70
		2506 (39750)	25.55	24.54	23.53	21.66

LTE B41PC2 ANT3 DSI1/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	24.69	25.02	24.63	21.16
		2640.3(41093)	24.59	24.84	24.75	21.33
		2593 (40620)	24.64	24.94	24.78	21.40
		2545.8(40148)	24.59	24.87	24.72	21.14
		2498.5 (39675)	24.42	25.12	24.77	21.42
	1RB-Middle (12)	2687.5 (41565)	24.44	24.96	24.73	21.42
		2640.3(41093)	24.55	24.85	24.59	21.17
		2593 (40620)	24.56	24.71	24.62	21.30
		2545.8(40148)	24.66	24.84	24.94	21.21
		2498.5 (39675)	24.58	24.68	24.76	21.27
	1RB-Low (0)	2687.5 (41565)	24.68	25.00	24.80	21.18
		2640.3(41093)	24.78	25.07	25.04	21.11
		2593 (40620)	24.64	25.00	24.61	21.33
		2545.8(40148)	24.57	25.21	24.77	21.15
		2498.5 (39675)	24.45	24.81	24.70	21.28
	12RB-High (13)	2687.5 (41565)	24.63	24.30	24.13	21.35

		2640.3(41093)	24.90	24.27	24.36	21.25
		2593 (40620)	24.77	24.41	24.39	21.26
		2545.8(40148)	24.59	24.19	24.41	21.13
		2498.5 (39675)	24.84	24.47	24.30	21.22
	12RB-Middle (6)	2687.5 (41565)	24.61	24.30	24.22	21.22
		2640.3(41093)	24.76	24.25	24.30	21.38
		2593 (40620)	24.64	24.25	24.36	21.20
		2545.8(40148)	24.78	24.38	24.26	21.36
		2498.5 (39675)	24.86	24.31	24.38	21.17
	12RB-Low (0)	2687.5 (41565)	24.57	24.20	24.35	21.22
		2640.3(41093)	24.87	24.24	24.42	21.30
		2593 (40620)	24.69	24.36	24.18	21.22
		2545.8(40148)	24.77	24.20	24.28	21.42
		2498.5 (39675)	24.54	24.41	24.40	21.22
	25RB (0)	2687.5 (41565)	24.55	24.15	24.04	21.25
		2640.3(41093)	24.66	24.33	24.35	21.35
		2593 (40620)	24.81	24.47	24.25	21.25
		2545.8(40148)	24.76	24.24	24.18	21.40
		2498.5 (39675)	24.79	24.21	24.44	21.25
10MHz	1RB-High (49)	2685 (41540)	24.57	24.88	24.58	21.40
		2639(41080)	24.59	24.95	24.88	21.20
		2593 (40620)	24.65	24.85	24.59	21.34
		2547(40160)	24.39	25.04	24.64	21.41
		2501 (39700)	24.53	25.06	24.69	21.25
	1RB-Middle (24)	2685 (41540)	24.65	24.84	24.68	21.34
		2639(41080)	24.52	24.93	24.58	21.39
		2593 (40620)	24.55	24.93	24.66	21.35
		2547(40160)	24.55	24.85	24.89	21.24
		2501 (39700)	24.61	24.79	24.89	21.24
	1RB-Low (0)	2685 (41540)	24.69	25.01	24.86	21.14
		2639(41080)	24.66	25.02	24.94	21.14
		2593 (40620)	24.56	25.02	24.63	21.36
		2547(40160)	24.51	25.15	24.83	21.26
		2501 (39700)	24.51	24.87	24.60	21.31
	25RB-High (25)	2685 (41540)	24.63	24.25	24.29	21.20
		2639(41080)	24.76	24.27	24.39	21.42

		2593 (40620)	24.70	24.23	24.37	21.13
		2547(40160)	24.76	24.31	24.23	21.12
		2501 (39700)	24.70	24.33	24.42	21.14
	25RB-Middle (12)	2685 (41540)	24.75	24.26	24.24	21.14
		2639(41080)	24.76	24.41	24.40	21.16
		2593 (40620)	24.78	24.44	24.31	21.27
		2547(40160)	24.73	24.34	24.27	21.37
		2501 (39700)	24.72	24.29	24.43	21.36
	25RB-Low (0)	2685 (41540)	24.68	24.31	24.31	21.13
		2639(41080)	24.74	24.32	24.31	21.12
		2593 (40620)	24.71	24.31	24.30	21.19
		2547(40160)	24.69	24.37	24.33	21.34
		2501 (39700)	24.60	24.29	24.13	21.25
	50RB (0)	2685 (41540)	24.58	24.16	24.19	21.15
		2639(41080)	24.62	24.37	24.37	21.20
		2593 (40620)	24.62	24.28	24.40	21.13
		2547(40160)	24.80	24.30	24.22	21.32
		2501 (39700)	24.81	24.43	24.32	21.31
15MHz	1RB-High (74)	2682.5 (41515)	24.66	24.98	24.66	21.20
		2637.8(41068)	24.61	24.91	24.82	21.23
		2593 (40620)	24.67	24.95	24.68	21.29
		2548.3(40173)	24.50	24.97	24.82	21.23
		2503.5 (39725)	24.49	25.09	24.74	21.40
	1RB-Middle (37)	2682.5 (41515)	24.54	24.90	24.65	21.33
		2637.8(41068)	24.58	24.92	24.56	21.22
		2593 (40620)	24.59	24.79	24.70	21.31
		2548.3(40173)	24.60	24.76	24.87	21.13
		2503.5 (39725)	24.50	24.67	24.79	21.42
	1RB-Low (0)	2682.5 (41515)	24.75	24.96	24.75	21.42
		2637.8(41068)	24.77	25.10	24.95	21.34
		2593 (40620)	24.56	24.97	24.69	21.18
		2548.3(40173)	24.56	25.15	24.79	21.28
		2503.5 (39725)	24.49	24.90	24.71	21.35
	36RB-High (38)	2682.5 (41515)	24.63	24.35	24.21	21.36
		2637.8(41068)	24.81	24.34	24.31	21.31
		2593 (40620)	24.74	24.35	24.35	21.11

		2548.3(40173)	24.62	24.26	24.34	21.15
		2503.5 (39725)	24.74	24.38	24.38	21.38
	36RB-Middle (19)	2682.5 (41515)	24.55	24.26	24.25	21.11
		2637.8(41068)	24.81	24.27	24.29	21.17
		2593 (40620)	24.67	24.33	24.34	21.41
		2548.3(40173)	24.84	24.41	24.30	21.32
		2503.5 (39725)	24.86	24.31	24.34	21.29
	36RB-Low (0)	2682.5 (41515)	24.59	24.25	24.25	21.15
		2637.8(41068)	24.77	24.28	24.34	21.16
		2593 (40620)	24.60	24.33	24.25	21.19
		2548.3(40173)	24.79	24.24	24.37	21.20
		2503.5 (39725)	24.60	24.31	24.33	21.34
	75RB (0)	2682.5 (41515)	24.65	24.23	24.12	21.16
		2637.8(41068)	24.66	24.25	24.33	21.39
		2593 (40620)	24.73	24.37	24.31	21.30
		2548.3(40173)	24.82	24.22	24.24	21.22
		2503.5 (39725)	24.74	24.28	24.43	21.33
20MHz	1RB-High (99)	2680 (41490)	24.57	24.88	24.64	21.27
		2636.5(41055)	24.68	24.88	24.85	21.37
		2593 (40620)	24.58	24.94	24.62	21.26
		2549.5(40185)	24.40	24.96	24.72	21.21
		2506 (39750)	24.58	25.03	24.77	21.39
	1RB-Middle (50)	2680 (41490)	24.55	24.84	24.65	21.19
		2636.5(41055)	24.62	24.90	24.66	21.14
		2593 (40620)	24.74	24.88	24.68	21.34
		2549.5(40185)	24.50	24.86	24.81	21.28
		2506 (39750)	24.53	24.77	24.82	21.34
	1RB-Low (0)	2680 (41490)	24.67	24.97	24.84	21.38
		2636.5(41055)	24.50	25.01	24.85	21.13
		2593 (40620)	24.65	24.95	24.63	21.18
		2549.5(40185)	24.54	25.16	24.84	21.12
		2506 (39750)	24.50	24.83	24.69	21.14
	50RB-High (50)	2680 (41490)	24.70	24.27	24.24	21.27
		2636.5(41055)	24.72	24.32	24.34	21.28
		2593 (40620)	24.71	24.31	24.28	21.13
		2549.5(40185)	24.68	24.34	24.27	21.36

	50RB-Middle (25)	2506 (39750)	24.72	24.35	24.35	21.31
		2680 (41490)	24.65	24.23	24.23	21.32
		2636.5(41055)	24.74	24.33	24.31	21.21
		2593 (40620)	24.76	24.37	24.33	21.22
		2549.5(40185)	24.75	24.36	24.34	21.30
		2506 (39750)	24.72	24.38	24.37	21.12
	50RB-Low (0)	2680 (41490)	24.66	24.24	24.21	21.28
		2636.5(41055)	24.75	24.33	24.34	21.31
		2593 (40620)	24.66	24.28	24.32	21.27
		2549.5(40185)	24.74	24.31	24.29	21.27
		2506 (39750)	24.64	24.26	24.23	21.21
	100RB (0)	2680 (41490)	24.62	24.22	24.18	21.30
		2636.5(41055)	24.71	24.28	24.30	21.23
		2593 (40620)	24.72	24.32	24.31	21.31
		2549.5(40185)	24.74	24.30	24.32	21.37
		2506 (39750)	24.73	24.35	24.33	21.33

LTE B41PC2 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	22.67	22.97	22.63	21.29
		2640.3(41093)	22.57	22.79	22.59	21.21
		2593 (40620)	22.57	23.05	22.76	21.14
		2545.8(40148)	22.61	22.79	22.76	21.12
		2498.5 (39675)	22.57	22.85	22.63	21.13
	1RB-Middle (12)	2687.5 (41565)	22.58	22.81	22.63	21.37
		2640.3(41093)	22.69	23.36	22.82	21.12
		2593 (40620)	22.74	23.24	22.61	21.28
		2545.8(40148)	22.58	23.16	23.01	21.22
		2498.5 (39675)	22.61	23.07	22.91	21.13
	1RB-Low (0)	2687.5 (41565)	22.57	23.12	22.84	21.19
		2640.3(41093)	22.85	23.18	22.97	21.15
		2593 (40620)	22.73	23.17	22.91	21.30
		2545.8(40148)	22.54	23.06	22.95	21.37
		2498.5 (39675)	22.61	22.82	22.64	21.14
	12RB-High (13)	2687.5 (41565)	22.72	22.77	22.68	21.13

		2640.3(41093)	22.83	22.82	22.79	21.32
		2593 (40620)	22.71	22.75	22.60	21.13
		2545.8(40148)	22.80	22.66	22.80	21.19
		2498.5 (39675)	22.72	22.76	22.85	21.28
	12RB-Middle (6)	2687.5 (41565)	22.66	22.60	22.54	21.33
		2640.3(41093)	22.60	22.67	22.77	21.15
		2593 (40620)	22.66	22.60	22.62	21.22
		2545.8(40148)	22.80	22.64	22.75	21.36
		2498.5 (39675)	22.77	22.72	22.94	21.30
	12RB-Low (0)	2687.5 (41565)	22.50	22.60	22.60	21.31
		2640.3(41093)	22.85	22.85	22.79	21.12
		2593 (40620)	22.72	22.60	22.69	21.32
		2545.8(40148)	22.87	22.66	22.61	21.31
		2498.5 (39675)	22.67	22.69	22.50	21.19
	25RB (0)	2687.5 (41565)	22.67	22.62	22.61	21.11
		2640.3(41093)	22.87	22.87	22.81	21.29
		2593 (40620)	22.75	22.73	22.88	21.18
		2545.8(40148)	22.92	22.88	22.79	21.11
		2498.5 (39675)	22.70	22.63	22.83	21.14
10MHz	1RB-High (49)	2685 (41540)	22.52	22.93	22.73	21.29
		2639(41080)	22.58	22.79	22.67	21.16
		2593 (40620)	22.53	23.00	22.71	21.20
		2547(40160)	22.57	22.67	22.72	21.25
		2501 (39700)	22.54	22.99	22.77	21.17
	1RB-Middle (24)	2685 (41540)	22.54	22.86	22.78	21.34
		2639(41080)	22.74	23.30	22.65	21.27
		2593 (40620)	22.65	23.15	22.78	21.27
		2547(40160)	22.61	23.09	22.98	21.13
		2501 (39700)	22.59	23.04	22.70	21.28
	1RB-Low (0)	2685 (41540)	22.75	23.14	22.77	21.33
		2639(41080)	22.77	23.09	23.09	21.22
		2593 (40620)	22.71	23.08	22.74	21.18
		2547(40160)	22.57	22.91	22.88	21.33
		2501 (39700)	22.67	22.78	22.71	21.21
	25RB-High (25)	2685 (41540)	22.62	22.60	22.64	21.14
		2639(41080)	22.77	22.70	22.71	21.29

		2593 (40620)	22.71	22.73	22.69	21.27
		2547(40160)	22.75	22.70	22.65	21.18
		2501 (39700)	22.66	22.74	22.87	21.34
	25RB-Middle (12)	2685 (41540)	22.61	22.61	22.64	21.18
		2639(41080)	22.76	22.74	22.72	21.30
		2593 (40620)	22.81	22.70	22.78	21.35
		2547(40160)	22.68	22.83	22.70	21.36
		2501 (39700)	22.82	22.82	22.70	21.26
	25RB-Low (0)	2685 (41540)	22.74	22.62	22.63	21.20
		2639(41080)	22.66	22.69	22.82	21.11
		2593 (40620)	22.71	22.64	22.67	21.19
		2547(40160)	22.64	22.67	22.81	21.13
		2501 (39700)	22.70	22.59	22.70	21.25
	50RB (0)	2685 (41540)	22.62	22.64	22.55	21.28
		2639(41080)	22.68	22.71	22.75	21.21
		2593 (40620)	22.74	22.73	22.76	21.18
		2547(40160)	22.67	22.68	22.75	21.21
		2501 (39700)	22.84	22.76	22.69	21.35
15MHz	1RB-High (74)	2682.5 (41515)	22.57	22.88	22.72	21.31
		2637.8(41068)	22.62	22.77	22.66	21.11
		2593 (40620)	22.54	22.95	22.75	21.18
		2548.3(40173)	22.55	22.80	22.68	21.26
		2503.5 (39725)	22.53	22.81	22.68	21.12
	1RB-Middle (37)	2682.5 (41515)	22.65	22.88	22.63	21.25
		2637.8(41068)	22.69	23.29	22.84	21.17
		2593 (40620)	22.68	23.32	22.63	21.34
		2548.3(40173)	22.64	23.10	22.99	21.14
		2503.5 (39725)	22.65	23.11	22.81	21.37
	1RB-Low (0)	2682.5 (41515)	22.66	23.20	22.83	21.20
		2637.8(41068)	22.86	23.14	23.00	21.26
		2593 (40620)	22.72	23.07	22.85	21.21
		2548.3(40173)	22.55	23.11	22.86	21.13
		2503.5 (39725)	22.52	22.90	22.69	21.37
	36RB-High (38)	2682.5 (41515)	22.69	22.70	22.61	21.22
		2637.8(41068)	22.77	22.82	22.74	21.17
		2593 (40620)	22.71	22.78	22.64	21.16

		2548.3(40173)	22.77	22.63	22.75	21.26
		2503.5 (39725)	22.73	22.73	22.77	21.15
	36RB-Middle (19)	2682.5 (41515)	22.74	22.54	22.53	21.16
		2637.8(41068)	22.64	22.72	22.73	21.24
		2593 (40620)	22.66	22.70	22.72	21.36
		2548.3(40173)	22.70	22.71	22.67	21.27
		2503.5 (39725)	22.70	22.70	22.89	21.16
	36RB-Low (0)	2682.5 (41515)	22.58	22.64	22.64	21.15
		2637.8(41068)	22.78	22.88	22.86	21.36
		2593 (40620)	22.69	22.67	22.59	21.12
		2548.3(40173)	22.78	22.73	22.62	21.20
		2503.5 (39725)	22.71	22.59	22.60	21.36
	75RB (0)	2682.5 (41515)	22.68	22.69	22.56	21.31
		2637.8(41068)	22.79	22.78	22.74	21.28
		2593 (40620)	22.74	22.78	22.79	21.37
		2548.3(40173)	22.84	22.82	22.82	21.20
		2503.5 (39725)	22.68	22.69	22.82	21.30
20MHz	1RB-High (99)	2680 (41490)	22.56	22.96	22.76	21.12
		2636.5(41055)	22.67	22.83	22.76	21.15
		2593 (40620)	22.62	22.97	22.81	21.13
		2549.5(40185)	22.54	22.76	22.70	21.21
		2506 (39750)	22.57	22.91	22.70	21.17
	1RB-Middle (50)	2680 (41490)	22.55	22.90	22.68	21.29
		2636.5(41055)	22.66	23.28	22.74	21.13
		2593 (40620)	22.79	23.22	22.68	21.30
		2549.5(40185)	22.64	23.04	23.02	21.11
		2506 (39750)	22.63	23.06	22.76	21.25
	1RB-Low (0)	2680 (41490)	22.67	23.12	22.81	21.22
		2636.5(41055)	22.61	23.12	23.05	21.21
		2593 (40620)	22.70	23.14	22.84	21.30
		2549.5(40185)	22.64	23.01	22.78	21.16
		2506 (39750)	22.58	22.83	22.73	21.31
	50RB-High (50)	2680 (41490)	22.68	22.68	22.68	21.35
		2636.5(41055)	22.74	22.79	22.74	21.26
		2593 (40620)	22.71	22.72	22.73	21.32
		2549.5(40185)	22.75	22.70	22.70	21.36

	50RB-Middle (25)	2506 (39750)	22.74	22.76	22.77	21.12
		2680 (41490)	22.65	22.63	22.62	21.16
		2636.5(41055)	22.72	22.74	22.72	21.23
		2593 (40620)	22.77	22.78	22.77	21.34
		2549.5(40185)	22.75	22.78	22.75	21.11
		2506 (39750)	22.76	22.76	22.80	21.28
	50RB-Low (0)	2680 (41490)	22.66	22.67	22.65	21.19
		2636.5(41055)	22.75	22.78	22.76	21.32
		2593 (40620)	22.69	22.67	22.68	21.16
		2549.5(40185)	22.73	22.71	22.72	21.19
		2506 (39750)	22.66	22.65	22.68	21.15
	100RB (0)	2680 (41490)	22.68	22.61	22.63	21.12
		2636.5(41055)	22.70	22.74	22.73	21.35
		2593 (40620)	22.77	22.74	22.73	21.26
		2549.5(40185)	22.75	22.74	22.75	21.15
		2506 (39750)	22.75	22.73	22.75	21.11

LTE B41PC2 ANT3 DSI3

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	21.78	22.10	22.02	21.22
		2640.3(41093)	21.79	22.12	22.06	21.31
		2593 (40620)	21.76	22.03	22.07	21.34
		2545.8(40148)	21.74	22.05	21.92	21.26
		2498.5 (39675)	21.73	22.12	21.76	21.35
	1RB-Middle (12)	2687.5 (41565)	21.80	22.17	22.01	21.24
		2640.3(41093)	21.82	22.21	21.98	21.27
		2593 (40620)	21.83	22.18	22.03	21.34
		2545.8(40148)	21.82	22.15	21.95	21.42
		2498.5 (39675)	21.76	22.11	21.91	21.29
	1RB-Low (0)	2687.5 (41565)	21.78	22.09	21.97	21.39
		2640.3(41093)	21.77	22.22	22.07	21.29
		2593 (40620)	21.76	22.13	21.90	21.33
		2545.8(40148)	21.73	22.03	21.91	21.37
		2498.5 (39675)	21.72	21.97	21.79	21.31
	12RB-High (13)	2687.5 (41565)	21.87	21.87	21.81	21.42

		2640.3(41093)	21.96	21.89	21.85	21.27
		2593 (40620)	21.87	21.91	21.87	21.36
		2545.8(40148)	21.88	21.89	21.85	21.28
		2498.5 (39675)	21.79	21.78	21.77	21.40
	12RB-Middle (6)	2687.5 (41565)	21.90	21.90	21.84	21.24
		2640.3(41093)	21.88	21.98	21.83	21.23
		2593 (40620)	21.91	21.95	21.88	21.26
		2545.8(40148)	21.89	21.87	21.89	21.25
		2498.5 (39675)	21.83	21.88	21.86	21.28
	12RB-Low (0)	2687.5 (41565)	21.86	21.88	21.83	21.40
		2640.3(41093)	21.87	21.86	21.86	21.36
		2593 (40620)	21.83	21.89	21.80	21.38
		2545.8(40148)	21.83	21.92	21.83	21.36
		2498.5 (39675)	21.78	21.79	21.77	21.29
	25RB (0)	2687.5 (41565)	21.85	21.87	21.82	21.42
		2640.3(41093)	21.82	21.84	21.83	21.29
		2593 (40620)	21.89	21.86	21.87	21.33
		2545.8(40148)	21.85	21.83	21.87	21.27
		2498.5 (39675)	21.80	21.80	21.78	21.28
10MHz	1RB-High (49)	2685 (41540)	21.80	22.02	21.83	21.30
		2639(41080)	21.85	22.02	21.94	21.41
		2593 (40620)	21.81	22.26	21.97	21.31
		2547(40160)	21.76	22.01	21.96	21.40
		2501 (39700)	21.71	22.01	21.88	21.30
	1RB-Middle (24)	2685 (41540)	21.81	22.06	21.89	21.29
		2639(41080)	21.87	22.18	21.96	21.32
		2593 (40620)	21.86	22.11	21.98	21.25
		2547(40160)	21.81	22.06	21.90	21.36
		2501 (39700)	21.74	22.16	21.91	21.38
	1RB-Low (0)	2685 (41540)	21.83	22.05	21.87	21.33
		2639(41080)	21.89	22.09	21.92	21.24
		2593 (40620)	21.79	22.03	21.85	21.30
		2547(40160)	21.78	22.08	21.98	21.29
		2501 (39700)	21.69	21.99	21.80	21.40
	25RB-High (25)	2685 (41540)	21.90	21.87	21.86	21.39
		2639(41080)	21.95	21.93	21.94	21.30

		2593 (40620)	21.88	21.93	21.86	21.37
		2547(40160)	21.89	21.88	21.84	21.29
		2501 (39700)	21.82	21.81	21.78	21.25
	25RB-Middle (12)	2685 (41540)	21.88	21.83	21.85	21.31
		2639(41080)	21.88	21.85	21.85	21.36
		2593 (40620)	21.92	21.93	21.94	21.27
		2547(40160)	21.92	21.90	21.88	21.25
		2501 (39700)	21.82	21.80	21.82	21.28
	25RB-Low (0)	2685 (41540)	21.84	21.87	21.81	21.23
		2639(41080)	21.89	21.87	21.85	21.41
		2593 (40620)	21.84	21.88	21.80	21.27
		2547(40160)	21.89	21.92	21.81	21.26
		2501 (39700)	21.82	21.80	21.81	21.30
	50RB (0)	2685 (41540)	21.80	21.81	21.81	21.23
		2639(41080)	21.98	21.93	21.93	21.26
		2593 (40620)	21.91	21.86	21.92	21.27
		2547(40160)	21.91	21.86	21.88	21.36
		2501 (39700)	21.83	21.78	21.79	21.23
15MHz	1RB-High (74)	2682.5 (41515)	21.64	21.99	21.68	21.25
		2637.8(41068)	21.68	22.11	21.79	21.29
		2593 (40620)	21.64	21.90	21.84	21.33
		2548.3(40173)	21.62	22.05	21.66	21.39
		2503.5 (39725)	21.50	21.87	21.68	21.29
	1RB-Middle (37)	2682.5 (41515)	21.66	21.84	21.84	21.31
		2637.8(41068)	21.65	21.98	21.76	21.39
		2593 (40620)	21.65	22.03	22.01	21.39
		2548.3(40173)	21.60	21.88	21.72	21.30
		2503.5 (39725)	21.51	21.92	21.70	21.42
	1RB-Low (0)	2682.5 (41515)	21.65	21.98	21.81	21.33
		2637.8(41068)	21.70	22.00	21.74	21.36
		2593 (40620)	21.62	22.05	21.83	21.36
		2548.3(40173)	21.64	21.95	21.84	21.29
		2503.5 (39725)	21.50	21.80	21.77	21.36
	36RB-High (38)	2682.5 (41515)	21.72	21.75	21.73	21.35
		2637.8(41068)	21.77	21.80	21.79	21.40
		2593 (40620)	21.73	21.72	21.72	21.33

		2548.3(40173)	21.73	21.72	21.68	21.31
		2503.5 (39725)	21.64	21.64	21.62	21.39
	36RB-Middle (19)	2682.5 (41515)	21.66	21.65	21.65	21.26
		2637.8(41068)	21.80	21.80	21.80	21.30
		2593 (40620)	21.67	21.69	21.68	21.23
		2548.3(40173)	21.76	21.75	21.74	21.32
		2503.5 (39725)	21.64	21.66	21.67	21.25
	36RB-Low (0)	2682.5 (41515)	21.70	21.67	21.68	21.23
		2637.8(41068)	21.74	21.75	21.68	21.29
		2593 (40620)	21.70	21.69	21.69	21.37
		2548.3(40173)	21.65	21.73	21.68	21.33
		2503.5 (39725)	21.63	21.65	21.63	21.26
	75RB (0)	2682.5 (41515)	21.71	21.62	21.66	21.27
		2637.8(41068)	21.82	21.80	21.77	21.42
		2593 (40620)	21.79	21.76	21.76	21.22
		2548.3(40173)	21.74	21.71	21.72	21.26
		2503.5 (39725)	21.64	21.66	21.65	21.40
20MHz	1RB-High (99)	2680 (41490)	21.65	21.91	21.83	21.29
		2636.5(41055)	21.73	22.05	21.73	21.34
		2593 (40620)	21.68	22.01	21.76	21.25
		2549.5(40185)	21.54	21.89	21.74	21.26
		2506 (39750)	21.56	22.01	21.69	21.31
	1RB-Middle (50)	2680 (41490)	21.63	21.99	21.79	21.39
		2636.5(41055)	21.63	22.00	22.03	21.37
		2593 (40620)	21.86	22.06	21.73	21.37
		2549.5(40185)	21.63	22.00	21.80	21.34
		2506 (39750)	21.55	21.82	21.81	21.29
	1RB-Low (0)	2680 (41490)	21.72	22.01	21.87	21.22
		2636.5(41055)	21.85	22.03	21.97	21.32
		2593 (40620)	21.66	21.98	21.82	21.25
		2549.5(40185)	21.59	22.00	21.69	21.30
		2506 (39750)	21.50	21.94	21.60	21.28
	50RB-High (50)	2680 (41490)	21.73	21.73	21.72	21.32
		2636.5(41055)	21.80	21.76	21.74	21.29
		2593 (40620)	21.77	21.75	21.72	21.38
		2549.5(40185)	21.73	21.72	21.70	21.33

	50RB-Middle (25)	2506 (39750)	21.69	21.66	21.68	21.42
		2680 (41490)	21.72	21.71	21.69	21.24
		2636.5(41055)	21.75	21.73	21.74	21.31
		2593 (40620)	21.81	21.78	21.81	21.35
		2549.5(40185)	21.74	21.76	21.73	21.36
		2506 (39750)	21.67	21.69	21.68	21.27
	50RB-Low (0)	2680 (41490)	21.70	21.71	21.71	21.40
		2636.5(41055)	21.80	21.76	21.78	21.37
		2593 (40620)	21.71	21.72	21.72	21.24
		2549.5(40185)	21.67	21.69	21.69	21.23
		2506 (39750)	21.61	21.60	21.59	21.24
	100RB (0)	2680 (41490)	21.67	21.72	21.65	21.42
		2636.5(41055)	21.73	21.73	21.75	21.40
		2593 (40620)	21.80	21.77	21.75	21.36
		2549.5(40185)	21.74	21.71	21.75	21.36
		2506 (39750)	21.70	21.67	21.65	21.32

LTE B41PC2 ANT1 DSI14/2/4

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	25.32	25.96	24.82	21.44
		2640.3(41093)	25.43	25.55	24.65	21.40
		2593 (40620)	25.36	25.79	24.69	21.40
		2545.8(40148)	25.26	25.85	24.44	21.39
		2498.5 (39675)	25.32	25.66	24.35	21.52
	1RB-Middle (12)	2687.5 (41565)	25.29	25.64	24.58	21.40
		2640.3(41093)	25.41	25.70	24.57	21.47
		2593 (40620)	25.29	25.91	24.67	21.44
		2545.8(40148)	25.43	25.71	24.55	21.43
		2498.5 (39675)	25.23	25.51	24.43	21.41
	1RB-Low (0)	2687.5 (41565)	25.54	25.87	24.56	21.43
		2640.3(41093)	25.49	25.80	24.55	21.43
		2593 (40620)	25.32	25.65	24.77	21.40
		2545.8(40148)	25.44	25.66	24.51	21.49
		2498.5 (39675)	25.14	25.42	24.27	21.42
	12RB-High (13)	2687.5 (41565)	25.49	24.49	23.54	21.42
		2640.3(41093)	25.55	24.57	23.54	21.47

		2593 (40620)	25.49	24.49	23.46	21.38
		2545.8(40148)	25.53	24.51	23.49	21.45
		2498.5 (39675)	25.40	24.43	23.42	21.45
	12RB-Middle (6)	2687.5 (41565)	25.43	24.48	23.50	21.38
		2640.3(41093)	25.55	24.54	23.52	21.52
		2593 (40620)	25.54	24.51	23.50	21.47
		2545.8(40148)	25.61	24.54	23.58	21.47
		2498.5 (39675)	25.45	24.43	23.44	21.41
	12RB-Low (0)	2687.5 (41565)	25.51	24.48	23.48	21.43
		2640.3(41093)	25.59	24.58	23.51	21.43
		2593 (40620)	25.47	24.42	23.46	21.45
		2545.8(40148)	25.51	24.47	23.48	21.52
		2498.5 (39675)	25.38	24.33	23.29	21.48
	25RB (0)	2687.5 (41565)	25.50	24.48	23.45	21.41
		2640.3(41093)	25.52	24.49	23.49	21.41
		2593 (40620)	25.50	24.49	23.49	21.43
		2545.8(40148)	25.56	24.53	23.49	21.46
		2498.5 (39675)	25.41	24.45	23.39	21.39
10MHz	1RB-High (49)	2685 (41540)	25.52	25.94	24.78	21.51
		2639(41080)	25.39	25.69	24.66	21.48
		2593 (40620)	25.48	25.73	24.73	21.40
		2547(40160)	25.35	25.89	24.62	21.46
		2501 (39700)	25.53	25.78	24.79	21.47
	1RB-Middle (24)	2685 (41540)	25.43	25.85	24.70	21.51
		2639(41080)	25.46	25.64	24.77	21.38
		2593 (40620)	25.45	25.69	24.73	21.44
		2547(40160)	25.36	25.61	24.65	21.48
		2501 (39700)	25.44	25.78	24.63	21.46
	1RB-Low (0)	2685 (41540)	25.49	25.64	24.70	21.48
		2639(41080)	25.46	25.83	24.68	21.38
		2593 (40620)	25.43	25.93	24.66	21.46
		2547(40160)	25.44	25.96	24.71	21.38
		2501 (39700)	25.42	25.90	24.70	21.51
	25RB-High (25)	2685 (41540)	25.53	24.53	23.38	21.42
		2639(41080)	25.47	24.54	23.34	21.42
		2593 (40620)	25.42	24.56	23.45	21.43

		2547(40160)	25.48	24.52	23.29	21.44
		2501 (39700)	25.61	24.50	23.43	21.38
	25RB-Middle (12)	2685 (41540)	25.40	24.50	23.40	21.38
		2639(41080)	25.41	24.55	23.53	21.42
		2593 (40620)	25.43	24.55	23.30	21.50
		2547(40160)	25.42	24.53	23.31	21.46
		2501 (39700)	25.47	24.56	23.38	21.49
	25RB-Low (0)	2685 (41540)	25.44	24.53	23.54	21.44
		2639(41080)	25.58	24.60	23.29	21.50
		2593 (40620)	25.42	24.63	23.41	21.48
		2547(40160)	25.56	24.61	23.39	21.48
		2501 (39700)	25.56	24.61	23.48	21.38
	50RB (0)	2685 (41540)	25.38	24.61	23.35	21.40
		2639(41080)	25.46	24.58	23.35	21.48
		2593 (40620)	25.45	24.59	23.31	21.50
		2547(40160)	25.58	24.50	23.35	21.47
		2501 (39700)	25.32	24.51	23.34	21.42
15MHz	1RB-High (74)	2682.5 (41515)	25.52	25.75	24.74	21.48
		2637.8(41068)	25.49	25.81	24.74	21.43
		2593 (40620)	25.35	25.85	24.65	21.50
		2548.3(40173)	25.53	25.95	24.69	21.44
		2503.5 (39725)	25.32	25.89	24.58	21.38
	1RB-Middle (37)	2682.5 (41515)	25.49	25.85	24.80	21.45
		2637.8(41068)	25.49	25.93	24.67	21.46
		2593 (40620)	25.50	25.67	24.59	21.43
		2548.3(40173)	25.46	25.70	24.67	21.40
		2503.5 (39725)	25.40	25.99	24.67	21.45
	1RB-Low (0)	2682.5 (41515)	25.33	25.61	24.59	21.45
		2637.8(41068)	25.34	25.77	24.75	21.51
		2593 (40620)	25.44	25.93	24.68	21.47
		2548.3(40173)	25.37	26.00	24.58	21.45
		2503.5 (39725)	25.37	25.95	24.59	21.47
	36RB-High (38)	2682.5 (41515)	25.49	24.55	23.30	21.48
		2637.8(41068)	25.58	24.50	23.48	21.44
		2593 (40620)	25.35	24.60	23.47	21.48
		2548.3(40173)	25.45	24.52	23.48	21.39

	36RB-Middle (19)	2503.5 (39725)	25.41	24.52	23.39	21.44
		2682.5 (41515)	25.34	24.55	23.48	21.38
		2637.8(41068)	25.60	24.58	23.53	21.44
		2593 (40620)	25.52	24.51	23.34	21.45
		2548.3(40173)	25.40	24.56	23.43	21.52
		2503.5 (39725)	25.45	24.56	23.35	21.43
	36RB-Low (0)	2682.5 (41515)	25.44	24.56	23.32	21.50
		2637.8(41068)	25.51	24.63	23.30	21.39
		2593 (40620)	25.61	24.54	23.39	21.45
		2548.3(40173)	25.44	24.57	23.51	21.41
		2503.5 (39725)	25.41	24.62	23.31	21.41
	75RB (0)	2682.5 (41515)	25.35	24.51	23.31	21.39
		2637.8(41068)	25.57	24.58	23.30	21.44
		2593 (40620)	25.44	24.57	23.53	21.44
		2548.3(40173)	25.35	24.62	23.29	21.52
		2503.5 (39725)	25.50	24.54	23.54	21.51
20MHz	1RB-High (99)	2680 (41490)	25.32	25.96	24.82	21.47
		2636.5(41055)	25.43	25.55	24.65	21.50
		2593 (40620)	25.36	25.79	24.69	21.39
		2549.5(40185)	25.26	25.85	24.44	21.51
		2506 (39750)	25.32	25.66	24.35	21.47
	1RB-Middle (50)	2680 (41490)	25.29	25.64	24.58	21.38
		2636.5(41055)	25.41	25.70	24.57	21.38
		2593 (40620)	25.59	25.91	24.67	21.44
		2549.5(40185)	25.43	25.71	24.55	21.43
		2506 (39750)	25.23	25.51	24.43	21.41
	1RB-Low (0)	2680 (41490)	25.54	25.87	24.56	21.51
		2636.5(41055)	25.49	25.80	24.55	21.47
		2593 (40620)	25.32	25.65	24.77	21.50
		2549.5(40185)	25.44	25.66	24.51	21.49
		2506 (39750)	25.34	25.42	24.27	21.45
	50RB-High (50)	2680 (41490)	25.49	24.49	23.54	21.50
		2636.5(41055)	25.55	24.57	23.54	21.52
		2593 (40620)	25.49	24.49	23.46	21.47
		2549.5(40185)	25.53	24.51	23.49	21.48
		2506 (39750)	25.40	24.43	23.42	21.49

	50RB-Middle (25)	2680 (41490)	25.43	24.48	23.50	21.40
		2636.5(41055)	25.55	24.54	23.52	21.50
		2593 (40620)	25.64	24.51	23.50	21.47
		2549.5(40185)	25.61	24.54	23.58	21.46
		2506 (39750)	25.45	24.43	23.44	21.42
	50RB-Low (0)	2680 (41490)	25.51	24.48	23.48	21.40
		2636.5(41055)	25.59	24.58	23.51	21.42
		2593 (40620)	25.47	24.42	23.46	21.51
		2549.5(40185)	25.51	24.47	23.48	21.52
		2506 (39750)	25.38	24.39	23.29	21.45
	100RB (0)	2680 (41490)	25.50	24.48	23.45	21.41
		2636.5(41055)	25.52	24.49	23.49	21.42
		2593 (40620)	25.50	24.49	23.49	21.47
		2549.5(40185)	25.56	24.53	23.49	21.44
		2506 (39750)	25.41	24.45	23.39	21.38

LTE B41PC2 ANT1 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	21.82	22.08	21.87	21.68
		2640.3(41093)	21.92	22.33	22.04	21.82
		2593 (40620)	21.90	22.21	21.96	21.67
		2545.8(40148)	22.01	22.31	22.03	21.77
		2498.5 (39675)	21.77	22.17	21.99	21.75
	1RB-Middle (12)	2687.5 (41565)	21.86	22.09	22.03	21.68
		2640.3(41093)	22.06	22.33	22.04	21.76
		2593 (40620)	21.95	22.33	22.09	21.72
		2545.8(40148)	22.06	22.43	22.21	21.67
		2498.5 (39675)	21.82	22.23	21.98	21.71
	1RB-Low (0)	2687.5 (41565)	21.82	22.25	21.92	21.79
		2640.3(41093)	21.93	22.31	22.05	21.81
		2593 (40620)	21.88	22.31	21.91	21.69
		2545.8(40148)	22.00	22.37	22.20	21.67
		2498.5 (39675)	21.79	22.15	21.90	21.81
	12RB-High (13)	2687.5 (41565)	21.91	21.98	21.91	21.76
		2640.3(41093)	22.03	22.12	22.03	21.78

		2593 (40620)	21.98	22.01	22.01	21.68
		2545.8(40148)	22.10	22.21	22.11	21.70
		2498.5 (39675)	21.88	21.87	21.82	21.69
	12RB-Middle (6)	2687.5 (41565)	21.95	21.95	21.95	21.76
		2640.3(41093)	22.06	22.15	22.04	21.78
		2593 (40620)	21.94	21.98	21.96	21.81
		2545.8(40148)	22.11	22.24	22.13	21.76
		2498.5 (39675)	21.88	21.93	21.92	21.81
	12RB-Low (0)	2687.5 (41565)	21.91	21.99	21.87	21.79
		2640.3(41093)	21.97	21.98	21.94	21.68
		2593 (40620)	21.89	22.02	21.93	21.74
		2545.8(40148)	22.07	22.19	22.09	21.75
		2498.5 (39675)	21.86	21.85	21.87	21.69
	25RB (0)	2687.5 (41565)	21.91	21.91	21.86	21.72
		2640.3(41093)	22.03	22.08	22.02	21.69
		2593 (40620)	21.90	21.95	21.89	21.68
		2545.8(40148)	22.07	22.12	22.10	21.66
		2498.5 (39675)	21.85	21.87	21.87	21.68
10MHz	1RB-High (49)	2685 (41540)	21.84	22.04	21.96	21.74
		2639(41080)	21.91	22.30	22.08	21.82
		2593 (40620)	21.94	22.32	22.13	21.77
		2547(40160)	22.00	22.24	22.23	21.70
		2501 (39700)	21.80	22.21	22.08	21.71
	1RB-Middle (24)	2685 (41540)	21.89	22.21	22.09	21.70
		2639(41080)	22.02	22.30	22.01	21.82
		2593 (40620)	21.96	22.32	22.06	21.78
		2547(40160)	22.06	22.41	22.14	21.80
		2501 (39700)	21.87	22.17	22.08	21.66
	1RB-Low (0)	2685 (41540)	21.84	22.12	21.96	21.78
		2639(41080)	22.02	22.32	22.24	21.79
		2593 (40620)	21.91	22.20	22.05	21.69
		2547(40160)	22.00	22.29	22.06	21.67
		2501 (39700)	21.84	22.03	21.93	21.72
	25RB-High (25)	2685 (41540)	21.95	21.91	21.91	21.74
		2639(41080)	22.03	22.04	22.01	21.76
		2593 (40620)	22.00	22.03	21.95	21.73

		2547(40160)	22.09	22.10	22.11	21.78
		2501 (39700)	21.90	21.88	21.87	21.79
	25RB-Middle (12)	2685 (41540)	21.89	21.92	21.89	21.77
		2639(41080)	22.00	22.00	22.01	21.75
		2593 (40620)	21.96	21.96	21.97	21.74
		2547(40160)	22.14	22.14	22.15	21.79
		2501 (39700)	21.95	21.95	21.90	21.78
	25RB-Low (0)	2685 (41540)	21.87	21.92	21.86	21.66
		2639(41080)	22.01	22.05	21.98	21.69
		2593 (40620)	21.97	21.94	21.90	21.73
		2547(40160)	22.15	22.18	22.09	21.73
		2501 (39700)	21.87	21.91	21.90	21.71
	50RB (0)	2685 (41540)	21.85	21.85	21.82	21.69
		2639(41080)	21.99	21.98	21.95	21.69
		2593 (40620)	21.94	21.90	21.92	21.81
		2547(40160)	22.11	22.10	22.08	21.79
		2501 (39700)	21.91	21.93	21.91	21.71
15MHz	1RB-High (74)	2682.5 (41515)	21.73	22.03	21.95	21.81
		2637.8(41068)	21.82	22.19	21.93	21.74
		2593 (40620)	21.79	22.09	21.82	21.78
		2548.3(40173)	21.83	22.16	22.06	21.81
		2503.5 (39725)	21.66	21.91	21.77	21.79
	1RB-Middle (37)	2682.5 (41515)	21.71	22.11	21.84	21.77
		2637.8(41068)	21.86	22.28	21.97	21.68
		2593 (40620)	21.74	22.06	21.83	21.75
		2548.3(40173)	21.86	22.17	21.94	21.66
		2503.5 (39725)	21.63	21.93	21.79	21.81
	1RB-Low (0)	2682.5 (41515)	21.71	21.99	21.87	21.73
		2637.8(41068)	21.90	22.13	21.99	21.72
		2593 (40620)	21.77	22.12	21.77	21.71
		2548.3(40173)	21.87	22.28	22.00	21.71
		2503.5 (39725)	21.54	21.97	21.68	21.82
	36RB-High (38)	2682.5 (41515)	21.81	21.79	21.78	21.80
		2637.8(41068)	21.92	21.92	21.91	21.66
		2593 (40620)	21.87	21.87	21.88	21.73
		2548.3(40173)	21.95	21.91	21.96	21.67

	36RB-Middle (19)	2503.5 (39725)	21.76	21.78	21.76	21.75
		2682.5 (41515)	21.75	21.71	21.71	21.71
		2637.8(41068)	21.89	21.86	21.85	21.81
		2593 (40620)	21.81	21.80	21.76	21.81
		2548.3(40173)	21.95	21.98	21.97	21.82
		2503.5 (39725)	21.80	21.74	21.73	21.74
	36RB-Low (0)	2682.5 (41515)	21.76	21.74	21.71	21.75
		2637.8(41068)	21.93	21.92	21.87	21.74
		2593 (40620)	21.84	21.79	21.81	21.78
		2548.3(40173)	21.94	21.91	21.92	21.73
		2503.5 (39725)	21.75	21.73	21.74	21.77
	75RB (0)	2682.5 (41515)	21.72	21.72	21.73	21.67
		2637.8(41068)	21.85	21.83	21.83	21.82
		2593 (40620)	21.80	21.78	21.75	21.72
		2548.3(40173)	21.98	21.98	21.97	21.79
		2503.5 (39725)	21.77	21.75	21.74	21.80
20MHz	1RB-High (99)	2680 (41490)	21.86	22.04	21.90	21.75
		2636.5(41055)	21.98	22.20	21.92	21.72
		2593 (40620)	21.92	22.15	21.97	21.71
		2549.5(40185)	21.90	22.24	21.91	21.81
		2506 (39750)	21.82	22.09	21.85	21.67
	1RB-Middle (50)	2680 (41490)	21.90	21.97	21.85	21.76
		2636.5(41055)	21.97	22.43	21.93	21.66
		2593 (40620)	22.09	22.23	21.84	21.76
		2549.5(40185)	21.98	22.25	21.99	21.72
		2506 (39750)	21.79	22.09	21.91	21.69
	1RB-Low (0)	2680 (41490)	21.91	22.14	21.97	21.69
		2636.5(41055)	22.06	22.34	22.11	21.68
		2593 (40620)	21.97	22.30	22.12	21.81
		2549.5(40185)	22.07	22.19	22.09	21.76
		2506 (39750)	21.73	21.93	21.79	21.81
	50RB-High (50)	2680 (41490)	21.95	21.90	21.84	21.77
		2636.5(41055)	22.02	22.15	21.94	21.81
		2593 (40620)	21.97	21.99	21.87	21.82
		2549.5(40185)	22.05	22.01	21.98	21.70
		2506 (39750)	21.92	21.87	21.83	21.68

	50RB-Middle (25)	2680 (41490)	21.89	21.81	21.80	21.72
		2636.5(41055)	22.09	22.03	22.04	21.66
		2593 (40620)	22.16	21.90	21.87	21.80
		2549.5(40185)	22.12	22.02	22.01	21.78
		2506 (39750)	21.92	21.87	21.87	21.68
	50RB-Low (0)	2680 (41490)	21.91	21.86	21.81	21.67
		2636.5(41055)	22.02	21.97	21.96	21.82
		2593 (40620)	21.96	21.90	21.87	21.82
		2549.5(40185)	22.06	22.03	21.98	21.74
		2506 (39750)	21.78	21.79	21.74	21.75
	100RB (0)	2680 (41490)	21.87	21.82	21.76	21.82
		2636.5(41055)	22.07	22.03	22.00	21.69
		2593 (40620)	21.93	21.88	21.83	21.81
		2549.5(40185)	22.06	22.06	22.00	21.74
		2506 (39750)	21.90	21.87	21.81	21.79

LTE B41PC2 ANT1 DSI9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	25.27	25.31	24.42	21.26
		2640.3(41093)	25.41	25.48	24.53	21.32
		2593 (40620)	25.29	25.67	24.49	21.23
		2545.8(40148)	25.20	25.65	24.33	21.35
		2498.5 (39675)	25.29	25.50	24.34	21.52
	1RB-Middle (12)	2687.5 (41565)	25.29	25.62	24.44	21.23
		2640.3(41093)	25.26	25.53	24.42	21.39
		2593 (40620)	25.25	25.90	24.59	21.43
		2545.8(40148)	25.31	25.56	24.48	21.35
		2498.5 (39675)	25.21	25.48	24.27	21.25
	1RB-Low (0)	2687.5 (41565)	25.40	25.71	24.40	21.43
		2640.3(41093)	25.41	25.77	24.51	21.23
		2593 (40620)	25.17	25.59	24.42	21.39
		2545.8(40148)	25.35	25.54	24.46	21.39
		2498.5 (39675)	24.96	25.24	24.24	21.33
	12RB-High (13)	2687.5 (41565)	25.32	24.34	23.37	21.30
		2640.3(41093)	25.37	24.49	23.40	21.31

		2593 (40620)	25.40	24.35	23.34	21.19
		2545.8(40148)	25.53	24.49	23.29	21.32
		2498.5 (39675)	25.28	24.38	23.35	21.36
	12RB-Middle (6)	2687.5 (41565)	25.26	24.41	23.44	21.26
		2640.3(41093)	25.39	24.36	23.43	21.37
		2593 (40620)	25.36	24.48	23.35	21.28
		2545.8(40148)	25.41	24.34	23.47	21.40
		2498.5 (39675)	25.28	24.27	23.27	21.27
	12RB-Low (0)	2687.5 (41565)	25.50	24.43	23.34	21.31
		2640.3(41093)	25.51	24.49	23.43	21.28
		2593 (40620)	25.28	24.22	23.32	21.45
		2545.8(40148)	25.34	24.42	23.42	21.44
		2498.5 (39675)	25.21	24.31	23.15	21.45
	25RB (0)	2687.5 (41565)	25.36	24.36	23.44	21.34
		2640.3(41093)	25.47	24.41	23.31	21.39
		2593 (40620)	25.35	24.33	23.35	21.36
		2545.8(40148)	25.49	24.33	23.49	21.39
		2498.5 (39675)	25.38	24.32	23.20	21.34
10MHz	1RB-High (49)	2685 (41540)	25.40	25.81	24.60	21.47
		2639(41080)	25.24	25.68	24.57	21.42
		2593 (40620)	25.35	25.71	24.47	21.24
		2547(40160)	25.33	25.88	24.45	21.41
		2501 (39700)	25.50	25.71	24.47	21.37
	1RB-Middle (24)	2685 (41540)	25.34	25.78	24.51	21.38
		2639(41080)	25.29	25.59	24.58	21.32
		2593 (40620)	25.29	25.54	24.57	21.26
		2547(40160)	25.28	25.57	24.42	21.40
		2501 (39700)	25.31	25.58	24.49	21.26
	1RB-Low (0)	2685 (41540)	25.31	25.54	24.48	21.33
		2639(41080)	25.36	25.82	24.50	21.20
		2593 (40620)	25.43	25.90	24.55	21.31
		2547(40160)	25.43	25.92	24.47	21.28
		2501 (39700)	25.22	25.85	24.57	21.47
	25RB-High (25)	2685 (41540)	25.34	24.45	23.31	21.25
		2639(41080)	25.40	24.41	23.25	21.28
		2593 (40620)	25.28	24.41	23.42	21.33

		2547(40160)	25.46	24.48	23.28	21.32
		2501 (39700)	25.41	24.34	23.32	21.27
	25RB-Middle (12)	2685 (41540)	25.20	24.40	23.20	21.21
		2639(41080)	25.22	24.41	23.48	21.31
		2593 (40620)	25.30	24.40	23.22	21.32
		2547(40160)	25.28	24.50	23.14	21.45
		2501 (39700)	25.41	24.40	23.18	21.47
	25RB-Low (0)	2685 (41540)	25.39	24.34	23.52	21.28
		2639(41080)	25.43	24.57	23.20	21.35
		2593 (40620)	25.28	24.44	23.22	21.37
		2547(40160)	25.39	24.49	23.35	21.45
		2501 (39700)	25.56	24.58	23.45	21.23
	50RB (0)	2685 (41540)	25.33	24.45	23.22	21.39
		2639(41080)	25.33	24.47	23.34	21.37
		2593 (40620)	25.43	24.42	23.14	21.47
		2547(40160)	25.54	24.42	23.15	21.31
		2501 (39700)	25.32	24.46	23.16	21.38
15MHz	1RB-High (74)	2682.5 (41515)	25.40	25.65	24.41	21.47
		2637.8(41068)	25.47	25.75	24.56	21.43
		2593 (40620)	25.27	25.66	24.56	21.48
		2548.3(40173)	25.35	25.90	24.39	21.39
		2503.5 (39725)	25.31	25.79	24.41	21.34
	1RB-Middle (37)	2682.5 (41515)	25.29	25.65	24.31	21.45
		2637.8(41068)	25.47	25.90	24.48	21.44
		2593 (40620)	25.36	25.55	24.48	21.36
		2548.3(40173)	25.32	25.66	24.49	21.20
		2503.5 (39725)	25.32	25.83	24.52	21.35
	1RB-Low (0)	2682.5 (41515)	25.23	25.46	24.40	21.36
		2637.8(41068)	25.33	25.60	24.39	21.46
		2593 (40620)	25.36	25.88	24.37	21.38
		2548.3(40173)	25.36	25.91	24.45	21.37
		2503.5 (39725)	25.32	25.88	24.43	21.43
	36RB-High (38)	2682.5 (41515)	25.49	24.53	23.16	21.44
		2637.8(41068)	25.51	24.34	23.34	21.41
		2593 (40620)	25.24	24.48	23.33	21.39
		2548.3(40173)	25.39	24.33	23.32	21.20

	36RB-Middle (19)	2503.5 (39725)	25.39	24.45	23.34	21.32
		2682.5 (41515)	25.28	24.45	23.45	21.33
		2637.8(41068)	25.49	24.47	23.35	21.34
		2593 (40620)	25.41	24.34	23.33	21.32
		2548.3(40173)	25.20	24.38	23.31	21.32
		2503.5 (39725)	25.28	24.36	23.33	21.40
	36RB-Low (0)	2682.5 (41515)	25.35	24.36	23.25	21.30
		2637.8(41068)	25.31	24.55	23.13	21.39
		2593 (40620)	25.58	24.41	23.28	21.27
		2548.3(40173)	25.38	24.37	23.43	21.25
		2503.5 (39725)	25.26	24.58	23.27	21.37
	75RB (0)	2682.5 (41515)	25.28	24.50	23.11	21.35
		2637.8(41068)	25.47	24.39	23.10	21.35
		2593 (40620)	25.28	24.51	23.41	21.40
		2548.3(40173)	25.34	24.42	23.19	21.38
		2503.5 (39725)	25.46	24.34	23.43	21.45
20MHz	1RB-High (99)	2680 (41490)	25.24	25.81	24.34	21.29
		2636.5(41055)	25.27	25.46	24.49	21.41
		2593 (40620)	25.25	25.64	24.36	21.29
		2549.5(40185)	25.17	25.81	24.42	21.48
		2506 (39750)	25.15	25.62	24.23	21.27
	1RB-Middle (50)	2680 (41490)	25.54	25.53	24.41	21.31
		2636.5(41055)	25.43	25.66	24.44	21.28
		2593 (40620)	25.59	25.90	24.36	21.34
		2549.5(40185)	25.33	25.61	24.42	21.30
		2506 (39750)	25.32	25.33	24.31	21.41
	1RB-Low (0)	2680 (41490)	25.50	25.79	24.52	21.51
		2636.5(41055)	25.40	25.65	24.40	21.30
		2593 (40620)	25.28	25.47	24.31	21.42
		2549.5(40185)	25.31	25.63	24.41	21.44
		2506 (39750)	25.30	25.24	24.20	21.27
	50RB-High (50)	2680 (41490)	25.48	24.30	23.45	21.37
		2636.5(41055)	25.54	24.44	23.35	21.51
		2593 (40620)	25.41	24.37	23.37	21.46
		2549.5(40185)	25.41	24.49	23.29	21.29
		2506 (39750)	25.29	24.41	23.29	21.34

	50RB-Middle (25)	2680 (41490)	25.36	24.48	23.41	21.36
		2636.5(41055)	25.50	24.44	23.43	21.50
		2593 (40620)	25.55	24.34	23.47	21.28
		2549.5(40185)	25.44	24.43	23.55	21.27
		2506 (39750)	25.38	24.36	23.41	21.34
	50RB-Low (0)	2680 (41490)	25.37	24.39	23.48	21.31
		2636.5(41055)	25.51	24.38	23.45	21.25
		2593 (40620)	25.28	24.29	23.31	21.38
		2549.5(40185)	25.40	24.41	23.38	21.51
		2506 (39750)	25.30	24.31	23.27	21.29
	100RB (0)	2680 (41490)	25.31	24.43	23.41	21.28
		2636.5(41055)	25.38	24.38	23.33	21.34
		2593 (40620)	25.49	24.36	23.35	21.32
		2549.5(40185)	25.56	24.38	23.45	21.28
		2506 (39750)	25.26	24.27	23.30	21.21

LTE B41PC3 ANT3 DSI14

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	23.89	23.10	21.83	18.68
		2640.3(41093)	24.04	23.05	22.04	18.82
		2593 (40620)	23.94	23.30	22.14	18.81
		2545.8(40148)	23.91	22.95	21.96	18.68
		2498.5 (39675)	23.93	22.83	21.86	18.74
	1RB-Middle (12)	2687.5 (41565)	23.87	23.08	21.93	18.92
		2640.3(41093)	24.07	23.13	21.88	18.75
		2593 (40620)	23.94	23.10	22.06	18.84
		2545.8(40148)	23.84	23.02	22.07	18.67
		2498.5 (39675)	23.96	23.11	22.01	18.80
	1RB-Low (0)	2687.5 (41565)	24.15	23.03	22.00	18.99
		2640.3(41093)	24.10	22.98	22.12	18.95
		2593 (40620)	24.19	23.17	22.12	18.87
		2545.8(40148)	24.08	22.90	21.93	18.79
		2498.5 (39675)	23.87	22.99	21.74	18.89
	12RB-High (13)	2687.5 (41565)	23.01	22.06	21.02	18.76
		2640.3(41093)	23.15	22.23	21.14	18.70

		2593 (40620)	23.14	22.03	21.14	18.71
		2545.8(40148)	23.09	22.01	21.07	18.77
		2498.5 (39675)	22.96	21.99	21.06	18.85
	12RB-Middle (6)	2687.5 (41565)	23.02	22.07	20.97	18.78
		2640.3(41093)	23.01	22.22	21.08	18.85
		2593 (40620)	23.15	22.11	21.22	18.82
		2545.8(40148)	23.22	22.20	21.18	18.74
		2498.5 (39675)	23.16	22.04	21.08	18.62
	12RB-Low (0)	2687.5 (41565)	22.99	22.03	21.02	18.71
		2640.3(41093)	23.11	22.14	21.22	18.64
		2593 (40620)	23.05	21.95	20.97	18.82
		2545.8(40148)	23.02	22.05	21.03	18.93
		2498.5 (39675)	23.03	21.93	21.02	18.85
	25RB (0)	2687.5 (41565)	22.97	22.03	21.00	18.57
		2640.3(41093)	23.00	22.14	21.05	18.86
		2593 (40620)	23.17	22.04	21.22	18.74
		2545.8(40148)	23.13	22.15	21.22	18.76
		2498.5 (39675)	23.09	22.08	21.03	18.82
10MHz	1RB-High (49)	2685 (41540)	23.89	22.93	21.93	18.68
		2639(41080)	23.92	22.94	22.02	18.80
		2593 (40620)	24.07	23.16	22.14	18.67
		2547(40160)	24.06	23.06	22.01	18.67
		2501 (39700)	23.97	23.03	21.93	18.77
	1RB-Middle (24)	2685 (41540)	23.88	23.07	21.94	18.91
		2639(41080)	24.14	23.00	21.87	18.86
		2593 (40620)	24.06	23.10	22.01	18.81
		2547(40160)	23.85	22.88	22.06	18.67
		2501 (39700)	23.99	23.00	22.01	18.79
	1RB-Low (0)	2685 (41540)	24.08	23.11	21.86	19.00
		2639(41080)	24.08	23.15	22.23	18.85
		2593 (40620)	23.99	23.18	22.10	18.80
		2547(40160)	23.96	22.81	21.97	18.70
		2501 (39700)	23.93	23.01	21.71	18.88
	25RB-High (25)	2685 (41540)	23.02	22.15	21.02	18.71
		2639(41080)	23.19	22.24	21.19	18.66
		2593 (40620)	23.14	22.11	21.09	18.71

		2547(40160)	23.16	22.16	21.04	18.80
		2501 (39700)	23.12	22.08	21.05	18.80
	25RB-Middle (12)	2685 (41540)	22.99	21.94	21.06	18.77
		2639(41080)	23.02	22.19	21.18	18.95
		2593 (40620)	23.15	22.12	21.22	18.74
		2547(40160)	23.21	22.07	21.02	18.65
		2501 (39700)	23.11	22.07	21.14	18.77
	25RB-Low (0)	2685 (41540)	23.01	21.97	21.04	18.73
		2639(41080)	23.06	22.07	21.10	18.69
		2593 (40620)	23.16	22.11	20.97	18.88
		2547(40160)	23.09	22.00	21.04	18.83
		2501 (39700)	22.99	22.05	20.94	18.77
	50RB (0)	2685 (41540)	23.01	21.99	20.98	18.56
		2639(41080)	23.13	22.08	21.13	18.68
		2593 (40620)	23.06	22.02	21.15	18.71
		2547(40160)	23.08	22.19	21.12	18.80
		2501 (39700)	23.05	22.11	21.12	18.87
15MHz	1RB-High (74)	2682.5 (41515)	23.86	23.07	21.89	18.87
		2637.8(41068)	24.05	22.97	22.08	18.66
		2593 (40620)	23.95	23.13	22.09	18.74
		2548.3(40173)	23.92	23.07	21.96	18.77
		2503.5 (39725)	23.88	22.90	21.97	18.60
	1RB-Middle (37)	2682.5 (41515)	23.88	23.06	21.94	18.88
		2637.8(41068)	23.96	23.13	22.05	18.79
		2593 (40620)	24.06	23.10	21.96	18.87
		2548.3(40173)	24.03	22.89	21.92	18.66
		2503.5 (39725)	23.84	23.05	21.97	18.76
	1RB-Low (0)	2682.5 (41515)	24.04	23.04	22.03	18.95
		2637.8(41068)	24.21	23.16	22.16	18.96
		2593 (40620)	24.03	23.09	22.06	18.98
		2548.3(40173)	24.07	22.84	22.05	18.84
		2503.5 (39725)	23.96	22.86	21.87	19.01
	36RB-High (38)	2682.5 (41515)	23.04	22.00	21.05	18.74
		2637.8(41068)	23.19	22.10	21.22	18.79
		2593 (40620)	23.09	22.14	21.14	18.76
		2548.3(40173)	23.02	22.10	21.15	18.90

		2503.5 (39725)	23.13	22.07	21.12	18.78
	36RB-Middle (19)	2682.5 (41515)	22.98	22.10	21.09	18.78
		2637.8(41068)	23.09	22.16	21.09	18.88
		2593 (40620)	23.25	22.11	21.12	18.89
		2548.3(40173)	23.10	22.13	21.18	18.71
		2503.5 (39725)	23.21	22.18	21.13	18.59
	36RB-Low (0)	2682.5 (41515)	22.96	22.09	21.13	18.69
		2637.8(41068)	23.12	22.09	21.07	18.67
		2593 (40620)	23.12	22.00	20.95	18.72
		2548.3(40173)	23.04	22.11	21.03	18.87
		2503.5 (39725)	23.11	21.95	21.14	18.81
	75RB (0)	2682.5 (41515)	22.96	22.09	21.07	18.67
		2637.8(41068)	23.07	21.94	21.03	18.72
		2593 (40620)	23.11	22.11	21.07	18.75
		2548.3(40173)	23.09	22.17	21.09	18.71
		2503.5 (39725)	23.12	22.14	21.08	18.85
20MHz	1RB-High (99)	2680 (41490)	23.94	23.03	21.91	18.78
		2636.5(41055)	23.99	23.02	22.04	18.75
		2593 (40620)	24.04	23.23	22.06	18.76
		2549.5(40185)	23.96	23.04	21.91	18.67
		2506 (39750)	23.92	22.93	21.94	18.70
	1RB-Middle (50)	2680 (41490)	23.96	22.99	21.85	18.84
		2636.5(41055)	24.04	23.03	21.97	18.81
		2593 (40620)	24.21	23.10	22.05	18.91
		2549.5(40185)	23.94	22.98	22.02	18.73
		2506 (39750)	23.91	23.04	21.94	18.75
	1RB-Low (0)	2680 (41490)	24.06	23.10	21.96	18.90
		2636.5(41055)	24.12	23.06	22.13	18.90
		2593 (40620)	24.09	23.12	22.07	18.89
		2549.5(40185)	24.02	22.91	21.99	18.75
		2506 (39750)	23.92	22.93	21.81	18.91
	50RB-High (50)	2680 (41490)	23.04	22.07	21.10	18.66
		2636.5(41055)	23.11	22.14	21.16	18.74
		2593 (40620)	23.10	22.10	21.13	18.67
		2549.5(40185)	23.10	22.11	21.09	18.80
		2506 (39750)	23.06	22.05	21.07	18.81

	50RB-Middle (25)	2680 (41490)	23.03	22.03	21.02	18.71
		2636.5(41055)	23.09	22.12	21.12	18.87
		2593 (40620)	23.18	22.20	21.15	18.82
		2549.5(40185)	23.16	22.13	21.12	18.69
		2506 (39750)	23.11	22.09	21.15	18.68
	50RB-Low (0)	2680 (41490)	23.05	22.01	21.04	18.66
		2636.5(41055)	23.12	22.10	21.12	18.69
		2593 (40620)	23.08	22.04	21.05	18.78
		2549.5(40185)	23.09	22.07	21.07	18.83
		2506 (39750)	23.01	22.01	21.04	18.83
	100RB (0)	2680 (41490)	23.00	22.00	21.00	18.66
		2636.5(41055)	23.07	22.04	21.11	18.77
		2593 (40620)	23.11	22.11	21.17	18.75
		2549.5(40185)	23.14	22.14	21.15	18.74
		2506 (39750)	23.06	22.12	21.09	18.91

LTE B41PC3 ANT3 DSI1/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	22.83	22.86	23.02	19.85
		2640.3(41093)	23.02	23.07	23.12	19.90
		2593 (40620)	22.97	23.11	23.16	19.83
		2545.8(40148)	22.95	22.84	22.96	19.73
		2498.5 (39675)	22.89	22.81	23.04	19.80
	1RB-Middle (12)	2687.5 (41565)	23.00	22.93	22.88	19.78
		2640.3(41093)	23.09	23.05	22.74	19.86
		2593 (40620)	22.94	23.10	22.95	19.81
		2545.8(40148)	22.86	22.83	22.62	19.80
		2498.5 (39675)	23.06	22.92	22.90	19.84
	1RB-Low (0)	2687.5 (41565)	22.97	23.07	22.85	19.77
		2640.3(41093)	23.07	23.00	23.12	19.78
		2593 (40620)	23.09	22.95	23.06	19.75
		2545.8(40148)	22.91	22.78	22.85	19.92
		2498.5 (39675)	22.92	22.90	22.77	19.92
	12RB-High (13)	2687.5 (41565)	23.10	22.68	22.85	19.71
		2640.3(41093)	23.11	22.87	22.90	19.90

		2593 (40620)	23.06	22.86	22.98	19.73
		2545.8(40148)	22.92	22.87	22.76	19.88
		2498.5 (39675)	23.10	22.80	22.88	19.89
	12RB-Middle (6)	2687.5 (41565)	23.08	22.77	22.89	19.81
		2640.3(41093)	23.13	22.93	22.88	19.77
		2593 (40620)	23.06	22.99	22.76	19.74
		2545.8(40148)	23.10	22.93	22.96	19.72
		2498.5 (39675)	23.06	22.96	22.75	19.91
	12RB-Low (0)	2687.5 (41565)	22.91	22.76	22.76	19.88
		2640.3(41093)	23.23	22.89	23.02	19.77
		2593 (40620)	23.07	22.92	22.69	19.83
		2545.8(40148)	23.08	22.86	22.79	19.81
		2498.5 (39675)	23.08	22.85	22.71	19.81
	25RB (0)	2687.5 (41565)	22.98	22.82	22.84	19.85
		2640.3(41093)	23.10	22.75	22.98	19.78
		2593 (40620)	23.23	22.76	22.84	19.82
		2545.8(40148)	22.97	22.97	22.94	19.71
		2498.5 (39675)	22.90	22.66	22.84	19.71
10MHz	1RB-High (49)	2685 (41540)	22.98	22.83	22.81	19.72
		2639(41080)	23.02	22.97	22.86	19.79
		2593 (40620)	22.92	23.08	23.09	19.87
		2547(40160)	22.97	22.93	22.87	19.89
		2501 (39700)	23.01	22.94	22.96	19.87
	1RB-Middle (24)	2685 (41540)	22.96	22.84	22.84	19.90
		2639(41080)	23.12	22.99	22.85	19.75
		2593 (40620)	22.86	23.08	22.99	19.83
		2547(40160)	22.91	22.94	22.84	19.79
		2501 (39700)	22.91	22.97	22.94	19.84
	1RB-Low (0)	2685 (41540)	23.00	23.00	22.74	19.85
		2639(41080)	23.23	23.05	23.04	19.75
		2593 (40620)	22.91	22.95	22.93	19.76
		2547(40160)	22.96	22.88	22.94	19.74
		2501 (39700)	23.04	23.04	22.83	19.86
	25RB-High (25)	2685 (41540)	23.13	22.90	22.77	19.92
		2639(41080)	23.12	22.89	22.96	19.91
		2593 (40620)	22.98	22.79	22.75	19.76

		2547(40160)	23.00	22.87	22.72	19.75
		2501 (39700)	22.97	22.86	22.88	19.92
	25RB-Middle (12)	2685 (41540)	23.10	22.72	22.82	19.72
		2639(41080)	23.13	22.79	22.78	19.81
		2593 (40620)	23.13	22.78	22.88	19.90
		2547(40160)	23.10	22.86	22.89	19.71
		2501 (39700)	23.06	22.86	22.92	19.77
		2685 (41540)	22.93	22.78	22.70	19.76
	25RB-Low (0)	2639(41080)	23.10	22.96	22.81	19.71
		2593 (40620)	23.12	22.87	22.91	19.74
		2547(40160)	23.05	22.79	22.75	19.82
		2501 (39700)	23.01	22.83	22.84	19.88
		2685 (41540)	23.00	22.68	22.76	19.82
	50RB (0)	2639(41080)	22.95	22.87	22.75	19.82
		2593 (40620)	23.06	22.96	22.77	19.91
		2547(40160)	23.17	22.74	22.89	19.72
		2501 (39700)	23.00	22.75	22.79	19.76
15MHz	1RB-High (74)	2682.5 (41515)	22.83	22.83	22.95	19.86
		2637.8(41068)	22.92	23.02	23.06	19.76
		2593 (40620)	23.01	23.04	23.09	19.75
		2548.3(40173)	22.99	22.78	22.95	19.83
		2503.5 (39725)	22.94	22.89	23.02	19.78
	1RB-Middle (37)	2682.5 (41515)	22.91	22.97	22.85	19.81
		2637.8(41068)	23.03	23.02	22.84	19.88
		2593 (40620)	23.03	23.02	23.01	19.73
		2548.3(40173)	22.92	22.92	22.71	19.81
		2503.5 (39725)	23.01	22.90	22.89	19.92
	1RB-Low (0)	2682.5 (41515)	23.03	22.97	22.80	19.88
		2637.8(41068)	23.12	22.99	23.02	19.79
		2593 (40620)	23.08	23.05	22.97	19.78
		2548.3(40173)	22.91	22.87	22.89	19.92
		2503.5 (39725)	23.01	22.94	22.74	19.89
	36RB-High (38)	2682.5 (41515)	23.04	22.75	22.88	19.76
		2637.8(41068)	23.14	22.88	22.85	19.78
		2593 (40620)	23.16	22.76	22.92	19.74
		2548.3(40173)	23.00	22.78	22.80	19.86

		2503.5 (39725)	23.13	22.80	22.83	19.81
	36RB-Middle (19)	2682.5 (41515)	23.08	22.73	22.79	19.73
		2637.8(41068)	23.04	22.88	22.80	19.88
		2593 (40620)	23.10	22.95	22.76	19.86
		2548.3(40173)	23.00	22.96	22.89	19.72
		2503.5 (39725)	23.15	22.86	22.76	19.86
	36RB-Low (0)	2682.5 (41515)	22.94	22.81	22.80	19.72
		2637.8(41068)	23.17	22.87	22.94	19.92
		2593 (40620)	23.05	22.87	22.77	19.78
		2548.3(40173)	23.03	22.90	22.74	19.72
		2503.5 (39725)	23.03	22.80	22.75	19.74
	75RB (0)	2682.5 (41515)	22.91	22.76	22.75	19.92
		2637.8(41068)	23.04	22.70	22.90	19.72
		2593 (40620)	23.16	22.80	22.76	19.73
		2548.3(40173)	23.07	22.90	22.96	19.92
		2503.5 (39725)	23.00	22.76	22.79	19.79
20MHz	1RB-High (99)	2680 (41490)	22.92	22.87	22.87	19.90
		2636.5(41055)	23.02	22.96	22.96	19.78
		2593 (40620)	23.00	22.99	23.03	19.91
		2549.5(40185)	22.94	22.88	22.89	19.75
		2506 (39750)	22.96	22.91	22.92	19.84
	1RB-Middle (50)	2680 (41490)	22.90	22.92	22.88	19.81
		2636.5(41055)	23.04	23.02	22.92	19.75
		2593 (40620)	22.96	23.08	22.96	19.87
		2549.5(40185)	22.94	22.84	22.78	19.90
		2506 (39750)	22.92	22.92	22.95	19.71
	1RB-Low (0)	2680 (41490)	23.05	23.06	22.80	19.89
		2636.5(41055)	22.97	23.07	22.95	19.78
		2593 (40620)	22.99	23.04	22.99	19.80
		2549.5(40185)	23.13	22.97	22.98	19.80
		2506 (39750)	22.94	23.04	22.81	19.92
	50RB-High (50)	2680 (41490)	23.04	22.80	22.81	19.85
		2636.5(41055)	23.10	22.91	22.86	19.91
		2593 (40620)	23.06	22.83	22.85	19.77
		2549.5(40185)	23.04	22.82	22.82	19.82
		2506 (39750)	23.07	22.84	22.84	19.88

	50RB-Middle (25)	2680 (41490)	23.01	22.78	22.78	19.78
		2636.5(41055)	23.06	22.86	22.86	19.86
		2593 (40620)	23.08	22.85	22.86	19.89
		2549.5(40185)	23.11	22.86	22.88	19.84
		2506 (39750)	23.07	22.88	22.84	19.75
	50RB-Low (0)	2680 (41490)	23.02	22.77	22.77	19.83
		2636.5(41055)	23.08	22.89	22.88	19.89
		2593 (40620)	23.02	22.80	22.81	19.89
		2549.5(40185)	23.03	22.80	22.79	19.71
		2506 (39750)	23.00	22.76	22.75	19.79
	100RB (0)	2680 (41490)	22.98	22.73	22.75	19.92
		2636.5(41055)	23.04	22.79	22.84	19.81
		2593 (40620)	23.09	22.87	22.86	19.90
		2549.5(40185)	23.08	22.82	22.86	19.87
		2506 (39750)	23.06	22.83	22.83	19.85

LTE B41PC3 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	20.78	21.06	20.97	19.78
		2640.3(41093)	21.12	21.08	20.90	19.72
		2593 (40620)	21.02	21.00	21.05	19.81
		2545.8(40148)	21.05	20.92	20.87	19.78
		2498.5 (39675)	20.87	21.03	20.92	19.83
	1RB-Middle (12)	2687.5 (41565)	20.92	20.92	21.00	19.73
		2640.3(41093)	21.19	20.99	20.85	19.76
		2593 (40620)	20.90	21.08	20.83	19.81
		2545.8(40148)	20.90	20.89	20.76	19.72
		2498.5 (39675)	21.14	21.19	20.94	19.82
	1RB-Low (0)	2687.5 (41565)	21.04	20.91	21.01	19.78
		2640.3(41093)	21.18	20.98	20.86	19.75
		2593 (40620)	21.11	21.25	20.98	19.79
		2545.8(40148)	20.89	21.00	21.04	19.82
		2498.5 (39675)	21.25	21.23	21.05	19.80
	12RB-High (13)	2687.5 (41565)	21.15	20.97	21.07	19.72
		2640.3(41093)	21.04	21.24	20.99	19.74

		2593 (40620)	21.19	20.88	21.18	19.75
		2545.8(40148)	20.90	20.99	21.14	19.71
		2498.5 (39675)	21.10	20.96	21.02	19.74
	12RB-Middle (6)	2687.5 (41565)	20.84	20.88	20.87	19.82
		2640.3(41093)	20.97	21.07	21.13	19.82
		2593 (40620)	21.07	21.12	20.93	19.83
		2545.8(40148)	21.20	21.17	21.05	19.80
		2498.5 (39675)	20.96	21.28	20.96	19.83
	12RB-Low (0)	2687.5 (41565)	21.08	21.04	20.96	19.83
		2640.3(41093)	21.12	21.25	21.14	19.76
		2593 (40620)	21.12	21.14	20.91	19.71
		2545.8(40148)	21.13	20.88	20.97	19.78
		2498.5 (39675)	21.15	20.98	20.97	19.79
	25RB (0)	2687.5 (41565)	21.02	21.15	20.90	19.72
		2640.3(41093)	21.14	20.94	20.99	19.77
		2593 (40620)	21.03	21.23	20.99	19.79
		2545.8(40148)	21.02	21.18	21.00	19.83
		2498.5 (39675)	21.12	20.93	20.96	19.80
10MHz	1RB-High (49)	2685 (41540)	20.98	21.02	21.03	19.83
		2639(41080)	20.98	20.98	21.06	19.76
		2593 (40620)	20.87	21.14	20.87	19.78
		2547(40160)	20.90	20.89	20.92	19.82
		2501 (39700)	21.09	20.96	20.81	19.80
	1RB-Middle (24)	2685 (41540)	20.96	21.01	20.85	19.74
		2639(41080)	21.05	21.00	21.13	19.78
		2593 (40620)	20.93	20.96	20.84	19.74
		2547(40160)	20.94	20.99	20.95	19.78
		2501 (39700)	21.05	20.97	21.04	19.77
	1RB-Low (0)	2685 (41540)	21.03	20.87	20.95	19.72
		2639(41080)	21.06	21.05	20.88	19.77
		2593 (40620)	21.09	21.22	21.02	19.83
		2547(40160)	20.88	21.15	21.12	19.77
		2501 (39700)	21.13	20.94	20.90	19.80
	25RB-High (25)	2685 (41540)	21.05	21.07	20.90	19.73
		2639(41080)	21.14	21.14	21.01	19.74
		2593 (40620)	21.04	21.11	21.01	19.83

		2547(40160)	20.96	21.10	21.05	19.78
		2501 (39700)	21.00	21.10	20.98	19.72
	25RB-Middle (12)	2685 (41540)	21.02	21.08	21.05	19.71
		2639(41080)	21.08	21.00	21.08	19.71
		2593 (40620)	21.12	21.20	21.11	19.80
		2547(40160)	21.07	21.22	21.11	19.83
		2501 (39700)	21.03	21.03	21.17	19.71
	25RB-Low (0)	2685 (41540)	20.96	21.06	20.93	19.84
		2639(41080)	21.15	21.04	21.07	19.72
		2593 (40620)	20.93	21.13	20.96	19.82
		2547(40160)	20.99	21.03	20.97	19.73
		2501 (39700)	20.90	21.08	21.03	19.78
	50RB (0)	2685 (41540)	21.03	20.98	20.92	19.77
		2639(41080)	20.99	20.98	21.12	19.82
		2593 (40620)	21.12	21.06	21.07	19.78
		2547(40160)	20.98	20.97	20.95	19.84
		2501 (39700)	20.99	20.99	21.04	19.80
15MHz	1RB-High (74)	2682.5 (41515)	20.87	21.02	20.96	19.72
		2637.8(41068)	21.02	21.00	20.97	19.76
		2593 (40620)	21.06	21.01	21.00	19.81
		2548.3(40173)	20.97	21.00	20.88	19.81
		2503.5 (39725)	20.94	20.97	20.94	19.84
	1RB-Middle (37)	2682.5 (41515)	20.87	21.01	21.00	19.73
		2637.8(41068)	21.12	21.01	20.93	19.81
		2593 (40620)	20.94	21.04	20.93	19.71
		2548.3(40173)	20.86	20.86	20.80	19.74
		2503.5 (39725)	21.04	21.14	21.04	19.77
	1RB-Low (0)	2682.5 (41515)	21.05	20.90	20.96	19.74
		2637.8(41068)	21.17	21.03	20.92	19.76
		2593 (40620)	21.08	21.23	21.05	19.76
		2548.3(40173)	20.98	21.09	20.99	19.72
		2503.5 (39725)	21.16	21.13	20.96	19.79
	36RB-High (38)	2682.5 (41515)	21.12	21.06	21.04	19.76
		2637.8(41068)	21.08	21.17	20.99	19.77
		2593 (40620)	21.15	20.98	21.08	19.77
		2548.3(40173)	20.96	20.97	21.08	19.83

		2503.5 (39725)	21.05	21.01	21.07	19.74
	36RB-Middle (19)	2682.5 (41515)	20.88	20.92	20.97	19.81
		2637.8(41068)	21.04	21.14	21.08	19.75
		2593 (40620)	21.09	21.21	21.03	19.75
		2548.3(40173)	21.11	21.10	21.07	19.82
		2503.5 (39725)	21.02	21.20	21.06	19.83
	36RB-Low (0)	2682.5 (41515)	21.08	20.97	20.94	19.75
		2637.8(41068)	21.14	21.22	21.04	19.80
		2593 (40620)	21.07	21.12	20.97	19.77
		2548.3(40173)	21.06	20.93	21.06	19.76
		2503.5 (39725)	21.09	20.91	20.95	19.75
	75RB (0)	2682.5 (41515)	20.94	21.09	20.94	19.81
		2637.8(41068)	21.04	21.02	21.00	19.80
		2593 (40620)	21.08	21.15	21.08	19.71
		2548.3(40173)	21.10	21.11	21.03	19.75
		2503.5 (39725)	21.04	20.98	21.04	19.71
20MHz	1RB-High (99)	2680 (41490)	20.96	21.02	20.94	19.77
		2636.5(41055)	21.05	21.02	20.98	19.83
		2593 (40620)	20.96	21.11	20.92	19.71
		2549.5(40185)	20.92	20.95	20.90	19.81
		2506 (39750)	21.02	20.87	20.84	19.73
	1RB-Middle (50)	2680 (41490)	20.96	20.98	20.94	19.73
		2636.5(41055)	21.08	21.05	21.03	19.83
		2593 (40620)	20.95	20.97	20.89	19.83
		2549.5(40185)	20.96	20.93	20.85	19.82
		2506 (39750)	20.97	21.06	21.00	19.74
	1RB-Low (0)	2680 (41490)	21.05	20.96	21.00	19.77
		2636.5(41055)	21.04	21.11	20.97	19.79
		2593 (40620)	21.12	21.14	21.06	19.79
		2549.5(40185)	20.95	21.16	21.05	19.82
		2506 (39750)	21.06	21.03	20.96	19.72
	50RB-High (50)	2680 (41490)	21.02	21.08	21.00	19.83
		2636.5(41055)	21.09	21.12	21.09	19.77
		2593 (40620)	21.08	21.07	21.04	19.74
		2549.5(40185)	21.01	21.01	21.03	19.73
		2506 (39750)	21.06	21.07	21.06	19.71

	50RB-Middle (25)	2680 (41490)	20.97	20.99	20.98	19.75
		2636.5(41055)	21.04	21.06	21.08	19.72
		2593 (40620)	21.10	21.11	21.10	19.82
		2549.5(40185)	21.09	21.14	21.10	19.76
		2506 (39750)	21.09	21.11	21.12	19.76
	50RB-Low (0)	2680 (41490)	21.01	20.99	20.99	19.72
		2636.5(41055)	21.08	21.12	21.09	19.80
		2593 (40620)	21.02	21.05	21.04	19.75
		2549.5(40185)	21.02	21.03	21.04	19.81
		2506 (39750)	21.00	20.99	20.99	19.83
	100RB (0)	2680 (41490)	20.98	21.01	20.95	19.84
		2636.5(41055)	21.03	21.06	21.04	19.76
		2593 (40620)	21.07	21.05	21.07	19.82
		2549.5(40185)	21.06	21.07	21.05	19.74
		2506 (39750)	21.05	21.07	21.04	19.84

LTE B41PC3 ANT3 DSI3

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	20.14	20.06	20.11	19.76
		2640.3(41093)	20.14	20.31	20.04	19.80
		2593 (40620)	20.10	20.09	20.05	19.80
		2545.8(40148)	20.06	20.10	19.96	19.66
		2498.5 (39675)	20.06	20.10	19.92	19.72
	1RB-Middle (12)	2687.5 (41565)	20.17	20.22	20.09	19.72
		2640.3(41093)	20.28	20.27	20.28	19.74
		2593 (40620)	20.25	20.23	20.17	19.74
		2545.8(40148)	20.21	20.22	20.03	19.68
		2498.5 (39675)	20.19	20.24	20.03	19.82
	1RB-Low (0)	2687.5 (41565)	20.16	20.13	20.12	19.77
		2640.3(41093)	20.17	20.29	20.18	19.72
		2593 (40620)	20.09	20.19	20.13	19.75
		2545.8(40148)	20.08	20.16	20.04	19.81
		2498.5 (39675)	20.05	20.14	20.01	19.72
	12RB-High (13)	2687.5 (41565)	20.16	20.17	20.18	19.74
		2640.3(41093)	20.24	20.27	20.29	19.82

		2593 (40620)	20.21	20.22	20.21	19.76
		2545.8(40148)	20.16	20.26	20.19	19.74
		2498.5 (39675)	20.15	20.13	20.08	19.74
	12RB-Middle (6)	2687.5 (41565)	20.26	20.29	20.24	19.70
		2640.3(41093)	20.20	20.14	20.20	19.76
		2593 (40620)	20.20	20.23	20.22	19.67
		2545.8(40148)	20.19	20.18	20.18	19.76
		2498.5 (39675)	20.14	20.16	20.14	19.70
	12RB-Low (0)	2687.5 (41565)	20.19	20.25	20.22	19.78
		2640.3(41093)	20.16	20.22	20.17	19.77
		2593 (40620)	20.10	20.08	20.08	19.71
		2545.8(40148)	20.17	20.20	20.20	19.73
		2498.5 (39675)	20.11	20.17	20.11	19.82
	25RB (0)	2687.5 (41565)	20.22	20.23	20.18	19.74
		2640.3(41093)	20.16	20.19	20.19	19.76
		2593 (40620)	20.21	20.24	20.21	19.76
		2545.8(40148)	20.18	20.18	20.15	19.69
		2498.5 (39675)	20.12	20.13	20.15	19.82
10MHz	1RB-High (49)	2685 (41540)	20.10	20.15	19.99	19.73
		2639(41080)	20.17	20.27	20.12	19.67
		2593 (40620)	20.09	20.12	20.03	19.70
		2547(40160)	20.11	20.12	20.06	19.72
		2501 (39700)	20.05	20.03	20.12	19.69
	1RB-Middle (24)	2685 (41540)	20.20	20.32	20.28	19.74
		2639(41080)	20.24	20.25	20.20	19.71
		2593 (40620)	20.19	20.30	20.14	19.78
		2547(40160)	20.14	20.20	20.02	19.67
		2501 (39700)	20.04	20.18	20.03	19.80
	1RB-Low (0)	2685 (41540)	20.12	20.08	20.13	19.72
		2639(41080)	20.16	20.27	20.10	19.72
		2593 (40620)	20.14	20.13	19.96	19.82
		2547(40160)	20.08	20.15	20.07	19.74
		2501 (39700)	20.06	19.97	20.13	19.81
	25RB-High (25)	2685 (41540)	20.20	20.23	20.22	19.69
		2639(41080)	20.23	20.25	20.24	19.71
		2593 (40620)	20.21	20.22	20.23	19.73

		2547(40160)	20.17	20.18	20.17	19.81
		2501 (39700)	20.11	20.10	20.12	19.82
	25RB-Middle (12)	2685 (41540)	20.15	20.17	20.19	19.82
		2639(41080)	20.18	20.25	20.18	19.75
		2593 (40620)	20.22	20.25	20.24	19.77
		2547(40160)	20.22	20.20	20.21	19.69
		2501 (39700)	20.16	20.14	20.16	19.80
	25RB-Low (0)	2685 (41540)	20.16	20.17	20.18	19.75
		2639(41080)	20.17	20.17	20.20	19.70
		2593 (40620)	20.13	20.17	20.16	19.71
		2547(40160)	20.19	20.20	20.20	19.68
		2501 (39700)	20.10	20.10	20.14	19.70
	50RB (0)	2685 (41540)	20.14	20.13	20.17	19.66
		2639(41080)	20.26	20.31	20.25	19.73
		2593 (40620)	20.21	20.21	20.25	19.80
		2547(40160)	20.19	20.20	20.21	19.73
		2501 (39700)	20.14	20.12	20.15	19.71
15MHz	1RB-High (74)	2682.5 (41515)	19.96	19.86	19.85	19.79
		2637.8(41068)	20.00	20.04	19.99	19.72
		2593 (40620)	19.95	19.92	19.99	19.72
		2548.3(40173)	19.95	20.02	19.87	19.70
		2503.5 (39725)	19.81	19.90	19.84	19.80
	1RB-Middle (37)	2682.5 (41515)	20.02	20.11	19.97	19.80
		2637.8(41068)	20.05	20.11	20.04	19.71
		2593 (40620)	19.96	19.91	19.80	19.66
		2548.3(40173)	19.90	19.93	19.89	19.76
		2503.5 (39725)	19.88	19.94	19.85	19.81
	1RB-Low (0)	2682.5 (41515)	19.98	19.82	20.01	19.72
		2637.8(41068)	20.03	20.10	20.04	19.73
		2593 (40620)	20.01	19.98	19.86	19.76
		2548.3(40173)	19.91	19.94	19.97	19.74
		2503.5 (39725)	19.84	19.83	19.87	19.79
	36RB-High (38)	2682.5 (41515)	20.01	20.06	20.08	19.70
		2637.8(41068)	20.06	20.11	20.09	19.72
		2593 (40620)	20.02	20.03	20.00	19.74
		2548.3(40173)	19.98	20.01	20.02	19.81

	36RB-Middle (19)	2503.5 (39725)	19.91	19.92	19.95	19.79
		2682.5 (41515)	19.96	19.96	20.02	19.77
		2637.8(41068)	20.12	20.07	20.11	19.77
		2593 (40620)	19.95	19.96	19.93	19.76
		2548.3(40173)	20.03	20.02	20.05	19.70
		2503.5 (39725)	19.94	19.95	19.97	19.76
	36RB-Low (0)	2682.5 (41515)	19.96	20.03	20.02	19.79
		2637.8(41068)	20.01	20.08	20.04	19.72
		2593 (40620)	19.96	19.97	20.01	19.75
		2548.3(40173)	19.93	19.93	20.01	19.72
		2503.5 (39725)	19.92	19.97	19.97	19.71
	75RB (0)	2682.5 (41515)	19.95	19.95	19.99	19.80
		2637.8(41068)	20.09	20.07	20.10	19.73
		2593 (40620)	20.01	20.04	20.09	19.76
		2548.3(40173)	20.00	20.07	20.02	19.77
		2503.5 (39725)	19.95	19.96	19.96	19.79
20MHz	1RB-High (99)	2680 (41490)	19.97	19.85	19.86	19.72
		2636.5(41055)	20.02	20.04	19.97	19.72
		2593 (40620)	19.95	19.95	19.96	19.73
		2549.5(40185)	19.83	19.93	19.97	19.73
		2506 (39750)	19.83	19.80	19.85	19.69
	1RB-Middle (50)	2680 (41490)	19.98	19.92	19.91	19.78
		2636.5(41055)	20.08	20.02	20.08	19.67
		2593 (40620)	20.15	20.01	19.88	19.67
		2549.5(40185)	19.92	19.88	19.95	19.80
		2506 (39750)	19.84	19.91	19.73	19.81
	1RB-Low (0)	2680 (41490)	20.00	20.09	19.96	19.71
		2636.5(41055)	20.14	20.14	19.97	19.79
		2593 (40620)	20.16	20.07	19.99	19.66
		2549.5(40185)	19.90	19.90	19.88	19.80
		2506 (39750)	19.80	19.89	19.77	19.76
	50RB-High (50)	2680 (41490)	20.05	20.03	20.05	19.77
		2636.5(41055)	20.04	20.10	20.14	19.73
		2593 (40620)	20.02	20.03	20.03	19.66
		2549.5(40185)	20.00	20.01	20.01	19.78
		2506 (39750)	19.96	20.00	19.97	19.67

	50RB-Middle (25)	2680 (41490)	20.00	20.01	20.01	19.77
		2636.5(41055)	20.04	20.05	20.04	19.68
		2593 (40620)	20.08	20.10	20.07	19.67
		2549.5(40185)	20.04	20.07	20.04	19.74
		2506 (39750)	19.98	19.98	19.99	19.70
	50RB-Low (0)	2680 (41490)	20.01	20.01	20.05	19.68
		2636.5(41055)	20.06	20.07	20.06	19.76
		2593 (40620)	19.99	20.01	20.02	19.76
		2549.5(40185)	19.96	19.96	19.98	19.79
		2506 (39750)	19.88	19.91	19.92	19.69
	100RB (0)	2680 (41490)	20.01	20.02	20.02	19.79
		2636.5(41055)	20.02	20.03	20.04	19.80
		2593 (40620)	20.03	20.04	20.04	19.66
		2549.5(40185)	20.04	20.03	20.02	19.73
		2506 (39750)	19.96	20.00	19.98	19.72

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	24.03	22.93	22.04	18.77
		2640.3(41093)	24.05	23.05	22.07	18.66
		2593 (40620)	24.01	22.83	21.92	18.77
		2545.8(40148)	23.95	23.14	21.94	18.81
		2498.5 (39675)	23.83	22.93	22.03	18.72
	1RB-Middle (12)	2687.5 (41565)	23.93	22.89	22.13	18.65
		2640.3(41093)	23.91	22.99	21.94	18.66
		2593 (40620)	23.89	22.95	21.85	18.72
		2545.8(40148)	23.97	23.00	21.96	18.70
		2498.5 (39675)	23.90	22.86	21.92	18.77
	1RB-Low (0)	2687.5 (41565)	24.11	23.11	22.05	18.79
		2640.3(41093)	24.21	23.08	22.12	18.78
		2593 (40620)	24.00	23.01	22.03	18.75
		2545.8(40148)	23.89	23.00	22.18	18.99
		2498.5 (39675)	23.75	22.91	21.76	18.74
	12RB-High (13)	2687.5 (41565)	23.15	22.03	21.08	18.90
		2640.3(41093)	23.12	22.22	21.11	18.90

		2593 (40620)	23.07	21.99	21.01	18.80
		2545.8(40148)	22.97	22.06	21.08	18.85
		2498.5 (39675)	23.03	22.02	20.97	18.60
	12RB-Middle (6)	2687.5 (41565)	23.07	22.04	20.97	18.72
		2640.3(41093)	23.13	22.08	21.05	18.77
		2593 (40620)	23.02	22.06	21.07	18.89
		2545.8(40148)	23.01	22.06	21.18	18.70
		2498.5 (39675)	23.10	21.93	20.88	18.91
	12RB-Low (0)	2687.5 (41565)	22.98	22.08	21.10	18.83
		2640.3(41093)	23.17	22.20	21.11	18.93
		2593 (40620)	22.95	21.86	20.96	18.77
		2545.8(40148)	22.97	22.05	20.97	18.77
		2498.5 (39675)	22.89	21.89	20.90	18.74
	25RB (0)	2687.5 (41565)	23.08	21.94	21.07	18.73
		2640.3(41093)	23.09	22.16	21.10	18.87
		2593 (40620)	22.93	21.96	21.06	18.82
		2545.8(40148)	23.09	22.15	21.05	18.65
		2498.5 (39675)	22.87	21.85	20.97	18.98
10MHz	1RB-High (49)	2685 (41540)	23.99	23.01	22.04	18.74
		2639(41080)	24.01	23.11	22.16	18.76
		2593 (40620)	24.05	22.94	21.91	18.67
		2547(40160)	23.83	23.02	22.02	18.62
		2501 (39700)	23.89	23.06	21.89	18.78
	1RB-Middle (24)	2685 (41540)	24.03	22.84	22.19	18.74
		2639(41080)	24.09	23.03	21.92	18.81
		2593 (40620)	23.82	22.89	21.97	18.70
		2547(40160)	24.12	23.02	21.89	18.58
		2501 (39700)	23.86	22.88	21.96	18.84
	1RB-Low (0)	2685 (41540)	24.03	23.16	21.93	18.94
		2639(41080)	24.17	23.09	22.14	18.70
		2593 (40620)	23.89	22.83	21.88	18.63
		2547(40160)	24.02	23.13	21.99	19.00
		2501 (39700)	23.80	22.91	21.86	18.79
	25RB-High (25)	2685 (41540)	23.09	22.02	21.08	18.94
		2639(41080)	23.07	22.11	21.07	18.95
		2593 (40620)	23.01	21.94	20.98	18.71

		2547(40160)	23.09	22.05	21.09	18.94
		2501 (39700)	23.02	21.95	21.09	18.75
	25RB-Middle (12)	2685 (41540)	23.07	22.03	20.98	18.80
		2639(41080)	23.02	22.10	20.99	18.81
		2593 (40620)	23.02	22.15	21.13	18.99
		2547(40160)	23.08	22.13	21.19	18.75
		2501 (39700)	23.03	22.09	20.95	18.90
	25RB-Low (0)	2685 (41540)	23.11	21.98	21.07	18.81
		2639(41080)	23.19	22.05	21.07	18.80
		2593 (40620)	23.06	21.97	20.99	18.72
		2547(40160)	22.97	21.95	21.13	18.78
		2501 (39700)	22.88	21.89	20.84	18.74
	50RB (0)	2685 (41540)	23.08	22.02	21.09	18.75
		2639(41080)	23.00	21.98	21.02	18.74
		2593 (40620)	22.94	22.08	21.01	18.79
		2547(40160)	23.07	21.99	21.00	18.68
		2501 (39700)	22.98	21.91	21.03	18.97
15MHz	1RB-High (74)	2682.5 (41515)	24.04	22.83	22.07	18.69
		2637.8(41068)	24.14	22.93	22.07	18.79
		2593 (40620)	24.02	22.85	21.91	18.73
		2548.3(40173)	23.92	23.12	21.90	18.79
		2503.5 (39725)	23.87	22.93	21.95	18.82
	1RB-Middle (37)	2682.5 (41515)	24.07	22.95	22.16	18.75
		2637.8(41068)	23.93	23.10	21.90	18.83
		2593 (40620)	23.86	23.05	21.84	18.63
		2548.3(40173)	24.10	23.10	22.01	18.70
		2503.5 (39725)	23.93	22.92	21.89	18.69
	1RB-Low (0)	2682.5 (41515)	23.96	23.25	22.07	18.90
		2637.8(41068)	24.14	23.19	22.09	18.77
		2593 (40620)	23.99	23.01	21.95	18.83
		2548.3(40173)	23.96	22.96	22.06	18.82
		2503.5 (39725)	23.85	22.91	21.91	18.68
	36RB-High (38)	2682.5 (41515)	23.07	22.00	21.03	18.82
		2637.8(41068)	23.13	22.09	21.22	18.88
		2593 (40620)	23.01	21.97	20.88	18.75
		2548.3(40173)	23.06	22.01	21.12	18.94

		2503.5 (39725)	22.95	22.04	21.09	18.62
	36RB-Middle (19)	2682.5 (41515)	23.04	22.13	21.05	18.90
		2637.8(41068)	23.10	22.03	21.14	18.63
		2593 (40620)	22.99	22.15	21.04	18.85
		2548.3(40173)	23.17	22.09	21.08	18.73
		2503.5 (39725)	22.92	21.94	20.96	18.87
	36RB-Low (0)	2682.5 (41515)	23.10	22.06	21.07	18.82
		2637.8(41068)	23.03	22.19	21.14	18.84
		2593 (40620)	22.95	22.06	21.03	18.76
		2548.3(40173)	23.07	22.08	21.09	18.77
		2503.5 (39725)	22.92	21.84	20.78	18.59
	75RB (0)	2682.5 (41515)	22.96	22.03	21.17	18.81
		2637.8(41068)	23.09	22.06	20.96	18.87
		2593 (40620)	22.95	22.01	21.00	18.87
		2548.3(40173)	23.13	22.10	21.04	18.66
		2503.5 (39725)	22.98	21.97	21.01	18.88
20MHz	1RB-High (99)	2680 (41490)	24.00	22.93	22.13	18.68
		2636.5(41055)	24.08	23.02	22.12	18.73
		2593 (40620)	23.96	22.88	21.88	18.75
		2549.5(40185)	23.88	23.05	21.94	18.72
		2506 (39750)	23.88	22.96	21.93	18.79
	1RB-Middle (50)	2680 (41490)	24.03	22.90	22.09	18.68
		2636.5(41055)	23.99	23.08	21.96	18.73
		2593 (40620)	23.90	22.98	21.94	18.73
		2549.5(40185)	24.03	23.07	21.99	18.68
		2506 (39750)	23.92	22.84	21.92	18.79
	1RB-Low (0)	2680 (41490)	24.04	23.20	22.02	18.88
		2636.5(41055)	24.12	23.09	22.06	18.76
		2593 (40620)	24.17	22.92	21.96	18.73
		2549.5(40185)	23.97	23.03	22.09	18.91
		2506 (39750)	23.81	22.85	21.81	18.76
	50RB-High (50)	2680 (41490)	23.07	22.08	21.03	18.88
		2636.5(41055)	23.14	22.14	21.14	18.93
		2593 (40620)	23.03	21.99	20.98	18.75
		2549.5(40185)	23.01	22.03	21.02	18.91
		2506 (39750)	22.98	21.96	21.00	18.68

	50RB-Middle (25)	2680 (41490)	23.08	22.05	21.06	18.82
		2636.5(41055)	23.11	22.11	21.09	18.72
		2593 (40620)	23.16	22.06	21.06	18.92
		2549.5(40185)	23.11	22.11	21.09	18.68
		2506 (39750)	23.02	21.99	20.97	18.86
	50RB-Low (0)	2680 (41490)	23.07	22.06	21.04	18.74
		2636.5(41055)	23.12	22.11	21.08	18.89
		2593 (40620)	22.98	21.96	20.96	18.74
		2549.5(40185)	23.01	22.03	21.06	18.69
		2506 (39750)	22.90	21.88	20.86	18.67
	100RB (0)	2680 (41490)	23.03	22.02	21.07	18.78
		2636.5(41055)	23.04	22.07	21.06	18.83
		2593 (40620)	23.02	22.05	21.03	18.88
		2549.5(40185)	23.10	22.09	21.07	18.74
		2506 (39750)	22.97	21.95	20.96	18.91

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	20.30	20.21	20.12	20.09
		2640.3(41093)	20.37	20.47	20.43	20.18
		2593 (40620)	20.28	20.34	20.43	20.15
		2545.8(40148)	20.37	20.38	20.38	20.26
		2498.5 (39675)	20.19	20.22	20.06	20.28
	1RB-Middle (12)	2687.5 (41565)	20.34	20.36	20.12	20.12
		2640.3(41093)	20.45	20.48	20.36	20.21
		2593 (40620)	20.36	20.38	20.34	20.16
		2545.8(40148)	20.48	20.41	20.42	20.19
		2498.5 (39675)	20.23	20.18	20.12	20.21
	1RB-Low (0)	2687.5 (41565)	20.24	20.31	20.15	20.23
		2640.3(41093)	20.35	20.44	20.28	20.28
		2593 (40620)	20.27	20.31	20.15	20.22
		2545.8(40148)	20.40	20.47	20.36	20.27
		2498.5 (39675)	20.18	20.21	20.18	20.31
	12RB-High (13)	2687.5 (41565)	20.31	20.29	20.33	20.18
		2640.3(41093)	20.45	20.50	20.46	20.05

		2593 (40620)	20.36	20.36	20.42	20.01
		2545.8(40148)	20.46	20.42	20.50	20.07
		2498.5 (39675)	20.22	20.29	20.27	20.14
	12RB-Middle (6)	2687.5 (41565)	20.39	20.33	20.36	20.09
		2640.3(41093)	20.50	20.50	20.41	20.28
		2593 (40620)	20.32	20.31	20.30	20.27
		2545.8(40148)	20.37	20.41	20.39	20.20
		2498.5 (39675)	20.28	20.27	20.32	20.08
	12RB-Low (0)	2687.5 (41565)	20.34	20.23	20.35	20.19
		2640.3(41093)	20.36	20.32	20.39	20.23
		2593 (40620)	20.28	20.27	20.27	20.31
		2545.8(40148)	20.47	20.42	20.47	20.05
		2498.5 (39675)	20.23	20.20	20.23	20.07
	25RB (0)	2687.5 (41565)	20.33	20.36	20.36	20.24
		2640.3(41093)	20.45	20.46	20.46	20.02
		2593 (40620)	20.27	20.29	20.30	20.02
		2545.8(40148)	20.45	20.44	20.47	20.22
		2498.5 (39675)	20.20	20.25	20.24	20.18
10MHz	1RB-High (49)	2685 (41540)	20.23	20.26	20.21	20.02
		2639(41080)	20.35	20.45	20.34	20.16
		2593 (40620)	20.30	20.34	20.19	20.30
		2547(40160)	20.43	20.40	20.38	20.08
		2501 (39700)	20.22	20.25	20.21	20.04
	1RB-Middle (24)	2685 (41540)	20.33	20.33	20.37	20.05
		2639(41080)	20.42	20.43	20.35	20.10
		2593 (40620)	20.42	20.46	20.25	20.27
		2547(40160)	20.44	20.43	20.34	20.12
		2501 (39700)	20.21	20.23	20.23	20.06
	1RB-Low (0)	2685 (41540)	20.22	20.31	20.26	20.22
		2639(41080)	20.39	20.45	20.42	20.11
		2593 (40620)	20.28	20.43	20.23	20.21
		2547(40160)	20.36	20.38	20.42	20.28
		2501 (39700)	20.16	20.27	20.13	20.03
	25RB-High (25)	2685 (41540)	20.30	20.39	20.34	20.27
		2639(41080)	20.45	20.47	20.48	20.22
		2593 (40620)	20.40	20.39	20.35	20.03

		2547(40160)	20.46	20.50	20.50	20.01
		2501 (39700)	20.25	20.24	20.25	20.10
	25RB-Middle (12)	2685 (41540)	20.28	20.33	20.32	20.17
		2639(41080)	20.38	20.42	20.40	20.04
		2593 (40620)	20.30	20.34	20.37	20.15
		2547(40160)	20.49	20.31	20.42	20.29
		2501 (39700)	20.27	20.31	20.30	20.26
	25RB-Low (0)	2685 (41540)	20.28	20.27	20.35	20.23
		2639(41080)	20.39	20.39	20.40	20.11
		2593 (40620)	20.31	20.32	20.30	20.12
		2547(40160)	20.46	20.34	20.50	20.05
		2501 (39700)	20.25	20.28	20.25	20.15
	50RB (0)	2685 (41540)	20.29	20.30	20.31	20.07
		2639(41080)	20.39	20.39	20.38	20.32
		2593 (40620)	20.33	20.32	20.32	20.05
		2547(40160)	20.48	20.21	20.42	20.25
		2501 (39700)	20.25	20.25	20.27	20.19
15MHz	1RB-High (74)	2682.5 (41515)	20.09	20.07	19.99	20.24
		2637.8(41068)	20.23	20.11	20.23	20.16
		2593 (40620)	20.16	20.13	20.08	20.15
		2548.3(40173)	20.24	20.28	20.14	20.01
		2503.5 (39725)	20.00	20.14	19.96	20.27
	1RB-Middle (37)	2682.5 (41515)	20.09	20.22	20.19	20.25
		2637.8(41068)	20.22	20.32	20.06	20.27
		2593 (40620)	20.13	20.21	19.99	20.28
		2548.3(40173)	20.26	20.34	20.17	20.30
		2503.5 (39725)	20.07	20.07	20.01	20.13
	1RB-Low (0)	2682.5 (41515)	20.08	20.05	20.10	20.26
		2637.8(41068)	20.22	20.26	20.28	20.14
		2593 (40620)	20.19	20.20	20.20	20.27
		2548.3(40173)	20.26	20.18	20.05	20.16
		2503.5 (39725)	19.98	20.06	19.92	20.18
	36RB-High (38)	2682.5 (41515)	20.13	20.17	20.14	20.29
		2637.8(41068)	20.26	20.22	20.27	20.24
		2593 (40620)	20.20	20.22	20.21	20.05
		2548.3(40173)	20.26	20.26	20.26	20.21

		2503.5 (39725)	20.05	20.12	20.13	20.26
	36RB-Middle (19)	2682.5 (41515)	20.08	20.13	20.13	20.21
		2637.8(41068)	20.21	20.22	20.19	20.10
		2593 (40620)	20.09	20.15	20.13	20.12
		2548.3(40173)	20.28	20.30	20.28	20.09
		2503.5 (39725)	20.09	20.12	20.12	20.27
	36RB-Low (0)	2682.5 (41515)	20.10	20.15	20.11	20.04
		2637.8(41068)	20.22	20.23	20.21	20.06
		2593 (40620)	20.15	20.15	20.16	20.06
		2548.3(40173)	20.22	20.24	20.28	20.12
		2503.5 (39725)	20.06	20.03	20.04	20.14
	75RB (0)	2682.5 (41515)	20.07	20.12	20.11	20.11
		2637.8(41068)	20.19	20.19	20.22	20.19
		2593 (40620)	20.12	20.13	20.17	20.17
		2548.3(40173)	20.27	20.30	20.28	20.12
		2503.5 (39725)	20.07	20.10	20.13	20.07
20MHz	1RB-High (99)	2680 (41490)	20.14	20.03	20.13	20.23
		2636.5(41055)	20.15	20.31	20.03	20.02
		2593 (40620)	20.19	20.15	20.13	20.20
		2549.5(40185)	20.07	20.10	19.93	20.08
		2506 (39750)	20.07	20.05	20.00	20.19
	1RB-Middle (50)	2680 (41490)	20.05	20.06	20.02	20.11
		2636.5(41055)	20.20	20.18	20.16	20.29
		2593 (40620)	20.26	20.14	20.01	20.14
		2549.5(40185)	20.19	20.21	20.32	20.30
		2506 (39750)	19.99	20.07	19.99	20.24
	1RB-Low (0)	2680 (41490)	20.14	20.20	20.15	20.23
		2636.5(41055)	20.25	20.28	20.26	20.02
		2593 (40620)	20.19	20.15	20.13	20.07
		2549.5(40185)	20.20	20.27	20.13	20.08
		2506 (39750)	19.92	19.96	19.89	20.10
	50RB-High (50)	2680 (41490)	20.12	20.16	20.16	20.32
		2636.5(41055)	20.24	20.27	20.27	20.30
		2593 (40620)	20.16	20.16	20.16	20.25
		2549.5(40185)	20.24	20.21	20.26	20.28
		2506 (39750)	20.12	20.09	20.13	20.24

	50RB-Middle (25)	2680 (41490)	20.10	20.10	20.13	20.25
		2636.5(41055)	20.28	20.30	20.32	20.11
		2593 (40620)	20.36	20.12	20.13	20.09
		2549.5(40185)	20.31	20.32	20.32	20.01
		2506 (39750)	20.13	20.09	20.12	20.16
	50RB-Low (0)	2680 (41490)	20.13	20.18	20.14	20.13
		2636.5(41055)	20.26	20.24	20.27	20.15
		2593 (40620)	20.15	20.14	20.12	20.22
		2549.5(40185)	20.24	20.26	20.25	20.31
		2506 (39750)	20.00	19.97	20.03	20.28
	100RB (0)	2680 (41490)	20.07	20.14	20.09	20.04
		2636.5(41055)	20.26	20.29	20.31	20.23
		2593 (40620)	20.13	20.14	20.15	20.30
		2549.5(40185)	20.26	20.29	20.27	20.25
		2506 (39750)	20.10	20.12	20.10	20.13

LTE B48 ANT4 DSI14

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	23.99	23.16	22.11	19.07
		55990	24.11	23.21	21.99	19.01
		55265	23.96	23.05	21.98	19.10
	1RB-Middle (12)	56715	24.07	23.02	21.91	19.14
		55990	24.18	23.21	22.08	19.11
		55265	23.95	23.17	22.17	18.93
	1RB-Low (0)	56715	24.13	22.91	21.99	19.17
		55990	24.11	23.19	22.04	19.10
		55265	24.01	22.99	21.88	18.87
	12RB-High (13)	56715	23.15	22.19	21.26	19.22
		55990	23.13	22.13	21.07	18.84
		55265	22.99	22.21	21.08	18.82
	12RB-Middle (6)	56715	23.07	22.15	21.31	19.26
		55990	23.12	22.25	21.17	19.17
		55265	23.12	22.24	20.95	18.86
	12RB-Low (0)	56715	23.29	22.13	21.30	19.19
		55990	23.25	22.17	21.22	19.07
		55265	23.08	22.18	21.12	19.12
	25RB (0)	56715	23.25	22.21	21.30	18.99

		55990	23.14	22.08	21.26	19.08
		55265	23.21	22.07	21.00	19.06
10MHz	1RB-High (49)	56690	24.18	23.14	22.18	19.09
		55990	24.17	23.11	22.04	19.15
		55290	23.90	22.99	21.86	19.21
	1RB-Middle (24)	56690	24.18	23.04	22.08	19.25
		55990	24.05	23.21	22.16	19.20
		55290	24.03	23.01	22.20	19.12
	1RB-Low (0)	56690	24.03	23.09	21.99	19.15
		55990	24.05	23.24	22.07	19.05
		55290	23.91	22.98	21.94	19.04
	25RB-High (25)	56690	23.16	22.19	21.11	19.09
		55990	23.30	22.20	21.20	18.83
		55290	23.18	22.16	21.01	19.02
	25RB-Middle (12)	56690	23.12	22.17	21.21	19.13
		55990	23.17	22.15	21.06	19.00
		55290	23.17	22.19	21.01	19.03
	25RB-Low (0)	56690	23.29	22.10	21.28	19.26
		55990	23.10	22.00	21.06	18.95
		55290	23.06	21.98	21.07	18.98
	50RB (0)	56690	23.26	22.12	21.23	18.88
		55990	23.20	22.17	21.09	19.03
		55290	23.12	22.01	21.06	19.16
15MHz	1RB-High (74)	56665	24.00	23.11	22.17	19.14
		55990	24.18	23.11	22.03	19.09
		55315	23.92	23.15	21.97	19.05
	1RB-Middle (37)	56665	24.16	23.07	21.99	19.09
		55990	24.22	23.12	22.06	19.09
		55315	24.04	23.09	22.14	18.99
	1RB-Low (0)	56665	24.08	23.01	21.99	19.12
		55990	24.12	23.22	22.00	19.06
		55315	23.95	22.91	21.82	18.92
	36RB-High (38)	56665	23.18	22.17	21.21	19.13
		55990	23.14	22.17	21.16	18.93
		55315	23.08	22.13	21.13	18.88
	36RB-Middle (19)	56665	23.17	22.17	21.24	19.16
		55990	23.17	22.18	21.20	19.10
		55315	23.11	22.20	21.05	18.92

	36RB-Low (0)	56665	23.28	22.15	21.20	19.09
		55990	23.18	22.14	21.14	18.99
		55315	23.12	22.14	21.13	19.04
	75RB (0)	56665	23.21	22.12	21.27	18.97
		55990	23.08	22.13	21.19	19.03
		55315	23.12	22.05	21.08	19.14
20MHz	1RB-High (99)	56640	24.09	23.14	22.08	19.11
		55990	24.19	23.21	22.04	19.09
		55340	23.94	23.05	21.91	19.13
	1RB-Middle (50)	56640	24.12	23.05	22.02	19.18
		55990	24.22	23.13	22.14	19.15
		55340	24.02	23.06	22.19	19.07
	1RB-Low (0)	56640	24.11	23.10	22.01	19.13
		55990	24.04	23.19	22.09	19.00
		55340	23.96	23.00	21.86	18.97
	50RB-High (50)	56640	23.21	22.23	21.18	19.06
		55990	23.21	22.23	21.19	18.90
		55340	23.10	22.11	21.06	18.92
	50RB-Middle (25)	56640	23.20	22.21	21.25	19.08
		55990	23.25	22.15	21.13	19.06
		55340	23.11	22.10	21.07	18.94
	50RB-Low (0)	56640	23.23	22.20	21.20	19.19
		55990	23.11	22.09	21.11	18.96
		55340	23.12	22.08	21.08	19.08
	100RB (0)	56640	23.20	22.20	21.21	18.90
		55990	23.10	22.13	21.11	19.01
		55340	23.07	22.06	21.09	19.20

LTE B48 ANT4 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	22.84	22.87	22.78	19.37
		55990	22.76	22.67	22.44	19.54
		55265	22.69	22.53	22.51	19.52
	1RB-Middle (12)	56715	23.03	23.13	22.79	19.46
		55990	22.92	22.87	22.70	19.60
		55265	22.67	22.63	22.70	19.48

	1RB-Low (0)	56715	22.98	22.97	22.81	19.47
		55990	22.67	22.81	22.74	19.51
		55265	22.55	22.65	22.62	19.43
	12RB-High (13)	56715	23.07	22.76	22.72	19.57
		55990	22.77	22.64	22.72	19.50
		55265	22.71	22.53	22.66	19.31
	12RB-Middle (6)	56715	23.09	22.85	22.81	19.47
		55990	22.74	22.47	22.52	19.44
		55265	22.84	22.68	22.66	19.62
	12RB-Low (0)	56715	22.94	22.68	22.77	19.65
		55990	22.72	22.64	22.53	19.49
		55265	22.86	22.47	22.68	19.47
	25RB (0)	56715	23.00	22.70	22.82	19.58
		55990	22.77	22.44	22.51	19.53
		55265	22.83	22.48	22.59	19.54
10MHz	1RB-High (49)	56690	22.93	22.96	22.77	19.54
		55990	22.79	22.83	22.62	19.56
		55290	22.58	22.61	22.66	19.58
	1RB-Middle (24)	56690	23.03	22.98	22.80	19.56
		55990	22.70	22.79	22.58	19.61
		55290	22.72	22.69	22.63	19.55
	1RB-Low (0)	56690	22.89	22.88	22.87	19.51
		55990	22.65	22.69	22.79	19.53
		55290	22.61	22.67	22.71	19.48
	25RB-High (25)	56690	23.11	22.74	22.76	19.53
		55990	22.86	22.67	22.76	19.47
		55290	22.71	22.54	22.59	19.45
	25RB-Middle (12)	56690	23.03	22.82	22.80	19.41
		55990	22.84	22.50	22.58	19.42
		55290	22.71	22.64	22.61	19.55
	25RB-Low (0)	56690	22.90	22.76	22.69	19.51
		55990	22.74	22.43	22.55	19.40
		55290	22.75	22.67	22.64	19.46
	50RB (0)	56690	22.93	22.64	22.75	19.54
		55990	22.65	22.54	22.51	19.59
		55290	22.70	22.62	22.59	19.52

15MHz	1RB-High (74)	56665	22.82	22.95	22.81	19.42
		55990	22.77	22.74	22.53	19.44
		55315	22.61	22.62	22.57	19.53
	1RB-Middle (37)	56665	22.96	23.10	22.78	19.45
		55990	22.85	22.84	22.71	19.64
		55315	22.66	22.68	22.70	19.54
	1RB-Low (0)	56665	22.94	22.98	22.90	19.45
		55990	22.75	22.85	22.65	19.54
		55315	22.57	22.66	22.52	19.52
	36RB-High (38)	56665	23.07	22.77	22.72	19.58
		55990	22.77	22.57	22.74	19.45
		55315	22.79	22.51	22.67	19.39
	36RB-Middle (19)	56665	23.07	22.80	22.83	19.54
		55990	22.73	22.46	22.44	19.39
		55315	22.82	22.60	22.67	19.56
	36RB-Low (0)	56665	22.93	22.75	22.84	19.55
		55990	22.76	22.62	22.54	19.41
		55315	22.88	22.52	22.61	19.53
	75RB (0)	56665	23.05	22.63	22.77	19.61
		55990	22.78	22.53	22.57	19.56
		55315	22.80	22.51	22.55	19.63
20MHz	1RB-High (99)	56640	22.92	23.00	22.84	19.44
		55990	22.75	22.80	22.60	19.49
		55340	22.66	22.61	22.60	19.60
	1RB-Middle (50)	56640	22.95	23.04	22.81	19.54
		55990	22.97	22.76	22.66	19.56
		55340	22.72	22.78	22.68	19.56
	1RB-Low (0)	56640	22.94	22.94	22.91	19.46
		55990	22.73	22.75	22.70	19.62
		55340	22.65	22.71	22.61	19.52
	50RB-High (50)	56640	22.76	22.82	22.80	19.51
		55990	22.83	22.62	22.68	19.52
		55340	22.81	22.59	22.60	19.48
	50RB-Middle (25)	56640	22.97	22.78	22.75	19.46
		55990	22.98	22.56	22.52	19.48

	50RB-Low (0)	55340	22.80	22.61	22.64	19.49
		56640	22.97	22.77	22.77	19.48
		55990	22.74	22.53	22.55	19.47
		55340	22.81	22.57	22.56	19.55
	100RB (0)	56640	22.96	22.73	22.76	19.55
		55990	22.74	22.53	22.52	19.60
		55340	22.80	22.57	22.57	19.58

LTE B48 ANT4 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	18.33	18.41	18.22	17.70
		55990	18.23	18.20	18.17	17.58
		55265	18.21	18.14	18.12	17.67
	1RB-Middle (12)	56715	18.47	18.47	18.47	17.51
		55990	18.33	18.35	18.11	17.50
		55265	18.24	18.19	18.18	17.56
	1RB-Low (0)	56715	18.32	18.53	18.44	17.58
		55990	18.18	18.18	18.29	17.67
		55265	18.13	18.17	18.13	17.53
	12RB-High (13)	56715	18.43	18.39	18.46	17.59
		55990	18.28	18.29	18.32	17.61
		55265	18.19	18.23	18.20	17.65
	12RB-Middle (6)	56715	18.39	18.36	18.39	17.59
		55990	18.29	18.30	18.31	17.70
		55265	18.26	18.19	18.26	17.47
	12RB-Low (0)	56715	18.35	18.38	18.34	17.54
		55990	18.17	18.13	18.20	17.60
		55265	18.19	18.16	18.20	17.51
	25RB (0)	56715	18.35	18.38	18.37	17.62
		55990	18.20	18.19	18.16	17.53
		55265	18.24	18.23	18.25	17.56
10MHz	1RB-High (49)	56690	18.37	18.33	18.41	17.72
		55990	18.24	18.25	18.25	17.64
		55290	18.18	18.24	18.25	17.64

	1RB-Middle (24)	56690	18.39	18.37	18.36	17.65
		55990	18.32	18.35	18.19	17.59
		55290	18.20	18.23	18.15	17.54
	1RB-Low (0)	56690	18.30	18.44	18.29	17.51
		55990	18.21	18.23	18.28	17.60
		55290	18.15	18.14	18.11	17.58
	25RB-High (25)	56690	18.39	18.48	18.43	17.70
		55990	18.30	18.27	18.29	17.68
		55290	18.24	18.25	18.23	17.45
	25RB-Middle (12)	56690	18.39	18.44	18.44	17.59
		55990	18.22	18.27	18.24	17.55
		55290	18.24	18.27	18.22	17.58
	25RB-Low (0)	56690	18.35	18.36	18.39	17.57
		55990	18.18	18.19	18.21	17.45
		55290	18.20	18.25	18.24	17.65
	50RB (0)	56690	18.35	18.38	18.39	17.61
		55990	18.25	18.21	18.21	17.47
		55290	18.27	18.24	18.24	17.56
15MHz	1RB-High (74)	56665	18.12	18.18	17.96	17.64
		55990	18.02	18.15	17.98	17.48
		55315	17.93	17.99	17.82	17.46
	1RB-Middle (37)	56665	18.18	18.23	18.02	17.58
		55990	18.05	18.14	18.13	17.47
		55315	17.98	18.08	17.97	17.57
	1RB-Low (0)	56665	18.20	18.18	18.12	17.69
		55990	17.98	18.02	18.07	17.49
		55315	17.96	18.02	17.87	17.67
	36RB-High (38)	56665	18.26	18.29	18.28	17.51
		55990	18.13	18.14	18.12	17.46
		55315	18.07	18.09	18.09	17.65
	36RB-Middle (19)	56665	18.18	18.20	18.18	17.52
		55990	18.06	18.03	18.07	17.62
		55315	18.06	18.10	18.09	17.68
	36RB-Low (0)	56665	18.17	18.18	18.23	17.50
		55990	18.01	18.05	18.03	17.59
		55315	18.07	18.07	18.08	17.55

	75RB (0)	56665	18.21	18.21	18.21	17.48
		55990	18.02	18.04	18.06	17.52
		55315	18.08	18.08	18.08	17.49
20MHz	1RB-High (99)	56640	18.10	18.19	18.16	17.53
		55990	18.07	18.13	18.01	17.58
		55340	17.95	17.97	17.99	17.69
	1RB-Middle (50)	56640	18.22	18.24	18.17	17.65
		55990	18.24	18.08	17.94	17.63
		55340	17.95	17.96	17.94	17.46
	1RB-Low (0)	56640	18.23	18.26	18.11	17.69
		55990	17.98	18.20	18.04	17.62
		55340	17.92	18.04	18.02	17.46
	50RB-High (50)	56640	18.21	18.26	18.29	17.50
		55990	18.12	18.16	18.16	17.62
		55340	18.05	18.08	18.11	17.63
	50RB-Middle (25)	56640	18.22	18.17	18.17	17.66
		55990	18.25	18.10	18.09	17.51
		55340	18.05	18.08	18.10	17.60
	50RB-Low (0)	56640	18.19	18.17	18.18	17.62
		55990	18.01	18.03	18.07	17.67
		55340	18.04	18.08	18.06	17.50
	100RB (0)	56640	18.18	18.20	18.19	17.59
		55990	18.03	18.05	18.06	17.64
		55340	18.06	18.07	18.10	17.60

LTE B48 ANT4 DSI3

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	16.72	16.96	16.57	16.77
		55990	16.51	16.63	16.50	16.55
		55265	16.42	16.69	16.64	16.80
	1RB-Middle (12)	56715	16.70	16.58	16.89	16.88
		55990	16.72	16.68	16.46	16.50
		55265	16.56	16.39	16.31	16.86
	1RB-Low (0)	56715	16.57	16.54	16.64	16.90

		55990	16.55	16.50	16.45	16.91
		55265	16.43	16.54	16.48	16.43
		56715	16.77	16.93	16.75	16.74
	12RB-High (13)	55990	16.79	16.64	16.59	16.66
		55265	16.74	16.65	16.51	16.71
		56715	16.79	16.68	16.75	16.84
	12RB-Middle (6)	55990	16.56	16.46	16.50	16.89
		55265	16.59	16.58	16.49	16.55
		56715	16.64	16.80	16.69	16.63
	12RB-Low (0)	55990	16.58	16.45	16.64	16.88
		55265	16.49	16.56	16.60	16.83
		56715	16.66	16.75	16.69	16.65
	25RB (0)	55990	16.70	16.60	16.56	16.77
		55265	16.55	16.59	16.62	16.61
10MHz	1RB-High (49)	56690	16.67	16.83	16.75	16.86
		55990	16.69	16.63	16.64	16.67
		55290	16.55	16.53	16.49	16.83
	1RB-Middle (24)	56690	16.80	16.59	16.83	16.93
		55990	16.55	16.53	16.44	16.67
		55290	16.51	16.48	16.58	16.82
	1RB-Low (0)	56690	16.65	16.64	16.63	16.92
		55990	16.59	16.50	16.58	16.96
		55290	16.35	16.56	16.39	16.61
	25RB-High (25)	56690	16.81	16.80	16.81	16.62
		55990	16.75	16.58	16.67	16.82
		55290	16.70	16.62	16.49	16.71
	25RB-Middle (12)	56690	16.80	16.75	16.63	16.87
		55990	16.56	16.53	16.46	16.93
		55290	16.57	16.57	16.54	16.54
	25RB-Low (0)	56690	16.67	16.73	16.62	16.61
		55990	16.61	16.54	16.56	16.93
		55290	16.56	16.70	16.64	16.85
	50RB (0)	56690	16.76	16.69	16.80	16.72
		55990	16.60	16.48	16.52	16.69
		55290	16.56	16.67	16.53	16.55

15MHz	1RB-High (74)	56665	16.79	16.90	16.66	16.80
		55990	16.56	16.63	16.46	16.57
		55315	16.40	16.69	16.67	16.84
	1RB-Middle (37)	56665	16.74	16.63	16.79	16.90
		55990	16.63	16.68	16.47	16.56
		55315	16.49	16.47	16.40	16.84
	1RB-Low (0)	56665	16.57	16.62	16.54	17.00
		55990	16.54	16.51	16.46	16.94
		55315	16.40	16.47	16.51	16.52
	36RB-High (38)	56665	16.68	16.91	16.85	16.70
		55990	16.78	16.69	16.52	16.71
		55315	16.68	16.58	16.56	16.66
	36RB-Middle (19)	56665	16.82	16.71	16.79	16.75
		55990	16.56	16.54	16.60	16.92
		55315	16.53	16.66	16.57	16.60
	36RB-Low (0)	56665	16.65	16.84	16.59	16.72
		55990	16.55	16.49	16.60	16.89
		55315	16.56	16.64	16.60	16.83
	75RB (0)	56665	16.69	16.71	16.77	16.73
		55990	16.65	16.59	16.49	16.71
		55315	16.62	16.57	16.67	16.68
20MHz	1RB-High (99)	56640	16.70	16.80	16.65	16.83
		55990	16.60	16.54	16.55	16.67
		55340	16.48	16.60	16.57	16.76
	1RB-Middle (50)	56640	16.56	16.69	16.75	16.90
		55990	16.72	16.58	16.43	16.62
		55340	16.57	16.51	16.50	16.86
	1RB-Low (0)	56640	16.66	16.69	16.61	16.91
		55990	16.53	16.44	16.51	16.90
		55340	16.44	16.47	16.45	16.57
	50RB-High (50)	56640	16.61	16.81	16.78	16.63
		55990	16.69	16.67	16.61	16.76
		55340	16.60	16.62	16.55	16.74
	50RB-Middle (25)	56640	16.75	16.72	16.71	16.82
		55990	16.77	16.57	16.54	16.84
		55340	16.63	16.61	16.58	16.63

	50RB-Low (0)	56640	16.72	16.78	16.68	16.71
		55990	16.55	16.57	16.53	16.91
		55340	16.61	16.61	16.57	16.79
	100RB (0)	56640	16.71	16.73	16.73	16.71
		55990	16.57	16.55	16.56	16.71
		55340	16.59	16.58	16.57	16.63

LTE B48 ANT4 DSI6

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	23.29	23.07	22.95	19.51
		55990	23.05	23.10	22.75	19.49
		55265	23.12	22.85	22.57	19.57
	1RB-Middle (12)	56715	23.21	23.27	22.98	19.51
		55990	22.99	23.14	22.81	19.51
		55265	23.05	23.05	22.77	19.45
	1RB-Low (0)	56715	23.05	23.08	22.99	19.44
		55990	23.01	23.21	22.85	19.69
		55265	23.00	23.03	22.70	19.73
	12RB-High (13)	56715	23.31	23.09	22.07	19.67
		55990	23.10	22.90	21.96	19.67
		55265	23.02	22.91	21.89	19.64
	12RB-Middle (6)	56715	23.03	22.98	22.07	19.49
		55990	23.08	22.80	21.81	19.79
		55265	22.96	22.89	21.73	19.65
	12RB-Low (0)	56715	23.06	22.99	21.86	19.48
		55990	23.25	22.94	21.93	19.58
		55265	23.09	22.69	21.84	19.63
	25RB (0)	56715	23.15	23.06	22.07	19.55
		55990	23.09	22.81	21.73	19.49
		55265	23.16	22.86	22.09	19.58
10MHz	1RB-High (49)	56690	23.16	23.07	22.83	19.53
		55990	23.09	23.17	22.77	19.56
		55290	23.07	22.96	22.68	19.54
	1RB-Middle (24)	56690	23.17	23.21	23.02	19.50

		55990	23.05	23.21	22.69	19.61
		55290	22.99	23.09	22.74	19.52
	1RB-Low (0)	56690	23.27	23.22	22.97	19.60
		55990	22.94	23.08	22.76	19.64
		55290	22.95	23.06	22.77	19.73
	25RB-High (25)	56690	23.25	23.10	22.17	19.62
		55990	23.23	22.97	21.99	19.75
		55290	23.08	22.82	21.88	19.55
	25RB-Middle (12)	56690	23.25	23.13	21.95	19.60
		55990	23.11	22.91	21.77	19.60
		55290	23.14	22.88	22.00	19.60
	25RB-Low (0)	56690	23.26	23.11	22.07	19.49
		55990	23.17	22.90	21.81	19.57
		55290	23.03	22.92	21.99	19.59
	50RB (0)	56690	23.12	22.94	22.08	19.51
		55990	23.00	22.89	21.99	19.68
		55290	23.12	22.91	21.84	19.71
15MHz	1RB-High (74)	56665	23.22	23.09	22.98	19.49
		55990	23.04	23.06	22.81	19.50
		55315	23.11	22.94	22.58	19.65
	1RB-Middle (37)	56665	23.14	23.27	23.08	19.59
		55990	23.05	23.16	22.73	19.56
		55315	22.96	23.06	22.73	19.40
	1RB-Low (0)	56665	23.10	23.06	22.99	19.42
		55990	22.98	23.11	22.82	19.60
		55315	22.92	23.09	22.70	19.69
	36RB-High (38)	56665	23.34	23.08	22.15	19.67
		55990	23.19	22.99	21.86	19.76
		55315	23.09	22.88	21.94	19.66
	36RB-Middle (19)	56665	23.11	23.03	21.97	19.54
		55990	23.06	22.87	21.79	19.69
		55315	23.05	22.84	21.81	19.56
	36RB-Low (0)	56665	23.14	23.05	21.92	19.38
		55990	23.15	22.86	21.86	19.60
		55315	23.06	22.78	21.86	19.62
	75RB (0)	56665	23.12	23.01	21.98	19.52

		55990	23.03	22.84	21.81	19.58
		55315	23.14	22.95	21.99	19.68
20MHz	1RB-High (99)	56640	23.21	23.17	22.91	19.45
		55990	23.07	23.07	22.82	19.51
		55340	23.04	22.91	22.67	19.57
	1RB-Middle (50)	56640	23.24	23.26	23.05	19.49
		55990	23.25	23.11	22.74	19.58
		55340	22.99	23.00	22.80	19.45
	1RB-Low (0)	56640	23.17	23.13	22.96	19.52
		55990	23.04	23.02	22.84	19.66
		55340	23.02	23.05	22.68	19.70
	50RB-High (50)	56640	23.29	23.09	22.09	19.61
		55990	23.13	22.94	21.95	19.67
		55340	23.09	22.92	21.93	19.57
	50RB-Middle (25)	56640	23.20	23.03	21.99	19.59
		55990	23.31	22.85	21.86	19.65
		55340	23.11	22.93	21.90	19.53
	50RB-Low (0)	56640	23.19	23.02	22.00	19.44
		55990	23.09	22.85	21.85	19.50
		55340	23.10	22.88	21.91	19.59
	100RB (0)	56640	23.17	23.02	22.00	19.54
		55990	23.04	22.86	21.89	19.59
		55340	23.08	22.88	21.89	19.71

LTE B48 ANT2 DSI14/2/5

BANDWID TH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	23.76	22.77	21.76	17.80
		55990	23.72	22.78	21.57	17.87
		55265	23.55	22.64	21.59	17.89
	1RB-Middle (12)	56715	23.86	22.84	21.77	17.90
		55990	23.74	22.80	21.74	17.77
		55265	23.68	22.68	21.61	17.83
	1RB-Low (0)	56715	23.81	22.76	21.66	17.86
		55990	23.65	22.70	21.45	17.80

	12RB-High (13)	55265	23.51	22.50	21.48	17.91
		56715	22.85	21.82	20.83	17.83
		55990	22.74	21.70	20.75	17.93
		55265	22.62	21.59	20.60	17.80
	12RB-Middle (6)	56715	22.88	21.87	20.92	17.84
		55990	22.78	21.78	20.76	17.93
		55265	22.67	21.64	20.68	17.87
	12RB-Low (0)	56715	22.84	21.84	20.83	17.83
		55990	22.67	21.59	20.67	17.86
		55265	22.59	21.55	20.65	17.77
	25RB (0)	56715	22.84	21.86	20.84	17.93
		55990	22.67	21.65	20.71	17.84
		55265	22.63	21.64	20.63	17.82
10MHz	1RB-High (49)	56690	23.85	22.84	21.84	17.93
		55990	23.67	22.76	21.67	17.77
		55290	23.58	22.62	21.49	17.90
	1RB-Middle (24)	56690	23.83	22.90	21.78	17.77
		55990	23.72	22.78	21.84	17.90
		55290	23.65	22.66	21.59	17.82
	1RB-Low (0)	56690	23.80	22.82	21.79	17.90
		55990	23.67	22.77	21.69	17.93
		55290	23.61	22.65	21.55	17.92
	25RB-High (25)	56690	22.89	21.85	20.85	17.84
		55990	22.77	21.80	20.82	17.93
		55290	22.66	21.69	20.70	17.83
	25RB-Middle (12)	56690	22.90	21.92	20.91	17.86
		55990	22.70	21.74	20.71	17.91
		55290	22.66	21.66	20.67	17.88
	25RB-Low (0)	56690	22.86	21.85	20.86	17.83
		55990	22.69	21.70	20.72	17.81
		55290	22.62	21.65	20.68	17.91
	50RB (0)	56690	22.92	21.85	20.87	17.85
		55990	22.70	21.70	20.69	17.83
		55290	22.68	21.65	20.67	17.91
15MHz	1RB-High (74)	56665	23.68	22.56	21.70	17.78
		55990	23.48	22.53	21.42	17.86
		55315	23.36	22.34	21.33	17.87
	1RB-Middle (37)	56665	23.69	22.78	21.67	17.84
		55990	23.51	22.54	21.50	17.92
		55315	23.42	22.47	21.32	17.87

	1RB-Low (0)	56665	23.72	22.75	21.63	17.85
		55990	23.50	22.54	21.39	17.81
		55315	23.40	22.41	21.26	17.81
	36RB-High (38)	56665	22.74	21.73	20.77	17.89
		55990	22.63	21.65	20.60	17.86
		55315	22.49	21.50	20.47	17.81
	36RB-Middle (19)	56665	22.67	21.63	20.68	17.87
		55990	22.52	21.56	20.55	17.86
		55315	22.50	21.50	20.52	17.89
	36RB-Low (0)	56665	22.69	21.70	20.65	17.91
		55990	22.56	21.51	20.54	17.93
		55315	22.52	21.53	20.54	17.83
	75RB (0)	56665	22.66	21.69	20.66	17.93
		55990	22.56	21.53	20.53	17.79
		55315	22.51	21.50	20.53	17.83
20MHz	1RB-High (99)	56640	23.76	22.60	21.71	17.87
		55990	23.64	22.37	21.47	17.79
		55340	23.40	22.45	21.33	17.91
	1RB-Middle (50)	56640	23.69	22.82	21.70	17.87
		55990	23.82	22.59	21.42	17.81
		55340	23.43	22.46	21.28	17.88
	1RB-Low (0)	56640	23.66	22.63	21.63	17.89
		55990	23.49	22.59	21.38	17.92
		55340	23.36	22.34	21.32	17.89
	50RB-High (50)	56640	22.74	21.78	20.71	17.86
		55990	22.66	21.65	20.63	17.78
		55340	22.56	21.50	20.53	17.85
	50RB-Middle (25)	56640	22.70	21.69	20.66	17.81
		55990	22.81	21.57	20.51	17.87
		55340	22.58	21.55	20.54	17.93
	50RB-Low (0)	56640	22.69	21.75	20.66	17.84
		55990	22.56	21.56	20.55	17.85
		55340	22.56	21.52	20.51	17.83
	100RB (0)	56640	22.66	21.64	20.68	17.79
		55990	22.54	21.56	20.55	17.87
		55340	22.50	21.54	20.51	17.77

LTE B48 ANT2 DSI1

BANDWID TH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	56715	19.51	19.63	19.41	17.83
		55990	19.56	19.47	19.50	17.99
		55265	19.48	19.58	19.50	17.99
	1RB-Middle (12)	56715	19.78	19.54	19.49	17.87
		55990	19.70	19.74	19.61	17.82
		55265	19.42	19.49	19.63	17.70
	1RB-Low (0)	56715	19.74	19.65	19.57	18.03
		55990	19.55	19.71	19.48	18.09
		55265	19.50	19.40	19.49	17.98
	12RB-High (13)	56715	19.58	19.76	19.83	17.80
		55990	19.66	19.84	19.78	17.83
		55265	19.65	19.68	19.67	17.75
	12RB-Middle (6)	56715	19.66	19.79	19.86	17.82
		55990	19.80	19.75	19.74	18.01
		55265	19.66	19.77	19.60	18.01
	12RB-Low (0)	56715	19.61	19.71	19.82	17.83
		55990	19.55	19.66	19.77	17.94
		55265	19.63	19.67	19.43	18.16
	25RB (0)	56715	19.73	19.84	19.69	18.06
		55990	19.80	19.67	19.77	17.66
		55265	19.54	19.53	19.56	18.00
10MHz	1RB-High (49)	56690	19.69	19.55	19.49	17.93
		55990	19.60	19.54	19.46	17.98
		55290	19.61	19.47	19.62	17.91
	1RB-Middle (24)	56690	19.67	19.64	19.56	18.03
		55990	19.85	19.65	19.63	17.93
		55290	19.46	19.64	19.46	17.92
	1RB-Low (0)	56690	19.67	19.65	19.52	18.02
		55990	19.70	19.56	19.70	17.91
		55290	19.44	19.54	19.45	17.97
	25RB-High (25)	56690	19.57	19.59	19.63	17.88
		55990	19.83	19.81	19.65	17.94
		55290	19.65	19.54	19.58	17.76
	25RB-Middle (12)	56690	19.75	19.77	19.77	17.84
		55990	19.84	19.60	19.68	18.10

	25RB-Low (0)	55290	19.59	19.66	19.70	17.92
		56690	19.78	19.68	19.77	18.02
		55990	19.57	19.75	19.61	18.08
		55290	19.61	19.67	19.69	17.94
	50RB (0)	56690	19.80	19.74	19.78	18.04
		55990	19.74	19.63	19.74	17.85
		55290	19.63	19.60	19.54	17.97
15MHz	1RB-High (74)	56665	19.55	19.60	19.46	17.87
		55990	19.61	19.55	19.46	17.91
		55315	19.49	19.53	19.56	18.05
	1RB-Middle (37)	56665	19.77	19.50	19.53	17.96
		55990	19.73	19.79	19.67	17.81
		55315	19.50	19.58	19.60	17.80
	1RB-Low (0)	56665	19.72	19.73	19.58	17.99
		55990	19.64	19.68	19.54	18.08
		55315	19.54	19.48	19.53	17.99
	36RB-High (38)	56665	19.59	19.74	19.75	17.86
		55990	19.74	19.81	19.76	17.91
		55315	19.61	19.66	19.68	17.82
	36RB-Middle (19)	56665	19.67	19.75	19.80	17.87
		55990	19.84	19.70	19.71	17.99
		55315	19.62	19.70	19.65	17.93
	36RB-Low (0)	56665	19.67	19.73	19.76	17.93
		55990	19.58	19.62	19.73	18.00
		55315	19.57	19.62	19.52	18.09
	75RB (0)	56665	19.70	19.77	19.66	18.11
		55990	19.74	19.70	19.69	17.72
		55315	19.53	19.60	19.64	18.09
20MHz	1RB-High (99)	56640	19.64	19.62	19.44	17.86
		55990	19.64	19.58	19.51	17.94
		55340	19.58	19.54	19.59	17.97
	1RB-Middle (50)	56640	19.73	19.59	19.60	17.96
		55990	19.77	19.71	19.63	17.86
		55340	19.56	19.58	19.53	17.89
	1RB-Low (0)	56640	19.71	19.69	19.51	18.03
		55990	19.62	19.64	19.62	18.00
		55340	19.52	19.50	19.50	17.92
	50RB-High (50)	56640	19.54	19.69	19.68	17.92
		55990	19.75	19.76	19.74	17.93
		55340	19.66	19.63	19.64	17.81

	50RB-Middle (25)	56640	19.76	19.72	19.73	17.92
		55990	19.82	19.65	19.67	18.07
		55340	19.66	19.65	19.63	18.02
	50RB-Low (0)	56640	19.76	19.73	19.69	18.00
		55990	19.65	19.67	19.69	18.05
		55340	19.64	19.66	19.61	18.03
	100RB (0)	56640	19.75	19.70	19.71	18.11
		55990	19.66	19.66	19.68	17.81
		55340	19.63	19.66	19.62	18.04

LTE B66 ANT1 DSI14/2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.92	23.14	22.16	18.76
		1745 (132322)	24.05	23.46	22.05	18.77
		1710.7 (131979)	23.96	23.58	21.93	18.89
	1RB-Middle (3)	1779.3 (132665)	23.94	23.43	22.10	19.08
		1745 (132322)	24.08	23.60	22.14	18.76
		1710.7 (131979)	23.94	23.16	22.05	18.76
	1RB-Low (0)	1779.3 (132665)	23.93	23.51	22.28	18.75
		1745 (132322)	24.05	23.60	22.34	18.77
		1710.7 (131979)	24.00	23.39	22.03	18.95
	3RB-High (3)	1779.3 (132665)	23.98	23.11	22.00	18.90
		1745 (132322)	24.05	23.30	22.14	18.64
		1710.7 (131979)	23.88	23.15	22.03	18.85
	3RB-Middle (1)	1779.3 (132665)	24.05	23.09	22.06	18.91
		1745 (132322)	24.07	23.03	22.09	18.83
		1710.7 (131979)	24.02	23.12	22.17	18.74
	3RB-Low (0)	1779.3 (132665)	23.97	23.19	22.13	18.85
		1745 (132322)	24.08	23.10	22.11	18.72
		1710.7 (131979)	23.99	23.14	22.03	18.80
	6RB (0)	1779.3 (132665)	23.01	22.18	21.06	19.04
		1745 (132322)	23.09	22.17	21.16	18.86
		1710.7 (131979)	23.03	22.16	21.03	18.71
3MHz	1RB-High (14)	1778.5 (132657)	23.68	23.23	21.94	18.63
		1745 (132322)	23.89	23.33	22.10	18.78
		1711.5 (131987)	24.10	23.24	21.96	18.96
	1RB-Middle (7)	1778.5 (132657)	24.00	23.15	22.67	19.04

		1745 (132322)	23.97	23.12	21.97	18.82
		1711.5 (131987)	23.74	23.88	21.90	18.76
		1778.5 (132657)	23.88	23.20	21.88	18.81
	1RB-Low (0)	1745 (132322)	23.91	23.08	21.80	18.85
		1711.5 (131987)	23.76	23.04	22.21	18.81
	8RB-High (7)	1778.5 (132657)	22.81	22.04	20.95	18.80
		1745 (132322)	23.05	21.89	20.99	18.64
		1711.5 (131987)	22.90	21.96	21.02	18.92
	8RB-Middle (4)	1778.5 (132657)	23.11	21.93	20.97	18.83
		1745 (132322)	22.99	21.83	20.96	18.81
		1711.5 (131987)	23.02	21.90	21.01	18.68
	8RB-Low (0)	1778.5 (132657)	23.02	21.78	20.95	18.87
		1745 (132322)	22.93	21.89	20.76	18.86
		1711.5 (131987)	22.87	21.85	20.88	18.76
	15RB (0)	1778.5 (132657)	22.96	22.04	20.97	18.95
		1745 (132322)	22.81	22.08	20.89	18.89
		1711.5 (131987)	22.92	21.95	20.87	18.81
5MHz	1RB-High (24)	1777.5 (132647)	23.79	23.16	21.92	18.73
		1745 (132322)	23.88	23.27	22.08	18.83
		1712.5 (131997)	23.98	23.16	22.03	18.98
	1RB-Middle (12)	1777.5 (132647)	24.02	23.14	22.66	18.92
		1745 (132322)	23.84	23.21	22.01	18.95
		1712.5 (131997)	23.80	23.87	21.94	18.86
	1RB-Low (0)	1777.5 (132647)	23.97	23.17	22.04	18.80
		1745 (132322)	23.94	23.06	21.90	18.87
		1712.5 (131997)	23.73	23.07	22.12	18.80
	12RB-High (13)	1777.5 (132647)	22.87	21.99	21.05	18.86
		1745 (132322)	23.03	22.06	20.99	18.79
		1712.5 (131997)	23.06	21.85	21.16	18.96
	12RB-Middle (6)	1777.5 (132647)	22.97	21.89	20.98	18.84
		1745 (132322)	23.05	21.83	20.98	18.79
		1712.5 (131997)	23.06	21.98	20.88	18.65
	12RB-Low (0)	1777.5 (132647)	22.87	21.87	20.92	18.71
		1745 (132322)	22.86	22.01	20.88	18.74
		1712.5 (131997)	22.93	21.85	20.86	18.71
	25RB (0)	1777.5 (132647)	22.91	22.10	21.09	18.88
		1745 (132322)	22.88	21.94	20.81	18.69
		1712.5 (131997)	22.86	22.08	20.92	18.80

10MHz	1RB-High (49)	1775 (132622)	23.79	23.07	21.96	18.69
		1745 (132322)	23.82	23.14	22.15	18.78
		1715 (132022)	23.89	23.18	21.92	18.77
	1RB-Middle (24)	1775 (132622)	23.88	23.11	22.63	18.87
		1745 (132322)	23.90	23.02	22.06	18.83
		1715 (132022)	23.89	23.11	21.95	18.97
	1RB-Low (0)	1775 (132622)	23.96	23.09	22.01	18.83
		1745 (132322)	24.06	23.16	21.98	18.92
		1715 (132022)	23.80	23.23	22.16	18.87
	25RB-High (25)	1775 (132622)	22.96	21.99	21.08	18.89
		1745 (132322)	22.90	22.01	21.07	18.81
		1715 (132022)	22.78	21.91	20.94	18.75
	25RB-Middle (12)	1775 (132622)	23.00	21.97	20.93	18.85
		1745 (132322)	23.05	21.86	20.98	18.89
		1715 (132022)	23.03	21.93	21.08	18.83
	25RB-Low (0)	1775 (132622)	22.99	21.95	20.86	18.84
		1745 (132322)	22.89	22.01	20.90	18.77
		1715 (132022)	23.01	22.04	21.01	18.84
	50RB (0)	1775 (132622)	22.86	21.95	20.97	18.94
		1745 (132322)	22.89	22.04	20.96	18.84
		1715 (132022)	22.95	21.95	20.92	18.75
15MHz	1RB-High (74)	1772.5 (132597)	23.77	23.16	22.02	18.71
		1745 (132322)	23.97	23.30	22.14	18.77
		1717.5 (132047)	24.02	23.26	21.94	18.93
	1RB-Middle (37)	1772.5 (132597)	23.93	23.06	22.60	18.99
		1745 (132322)	23.92	23.13	21.92	18.85
		1717.5 (132047)	23.81	23.93	21.96	18.82
	1RB-Low (0)	1772.5 (132597)	23.98	23.15	21.96	18.78
		1745 (132322)	23.94	23.15	21.89	18.86
		1717.5 (132047)	23.78	23.08	22.15	18.88
	36RB-High (38)	1772.5 (132597)	22.84	22.00	21.04	18.82
		1745 (132322)	23.08	21.99	21.06	18.71
		1717.5 (132047)	22.96	21.92	21.07	18.91
	36RB-Middle (19)	1772.5 (132597)	23.02	21.83	20.94	18.85
		1745 (132322)	23.07	21.89	20.96	18.78
		1717.5 (132047)	23.01	21.92	20.93	18.74
	36RB-Low (0)	1772.5 (132597)	22.95	21.86	20.94	18.80
		1745 (132322)	22.93	21.99	20.86	18.77
		1717.5 (132047)	22.86	21.87	20.91	18.70

	75RB (0)	1772.5 (132597)	22.89	22.01	21.01	18.95
		1745 (132322)	22.78	22.04	20.90	18.79
		1717.5 (132047)	22.85	22.01	20.94	18.73
20MHz	1RB-High (99)	1770 (132572)	23.85	23.06	22.04	18.78
		1745 (132322)	23.92	23.23	22.06	18.81
		1720 (132072)	23.93	23.27	21.93	18.85
	1RB-Middle (50)	1770 (132572)	23.86	23.16	22.68	18.89
		1745 (132322)	23.90	23.06	22.00	18.87
		1720 (132072)	23.81	23.96	22.00	18.88
	1RB-Low (0)	1770 (132572)	23.99	23.12	21.95	18.81
		1745 (132322)	24.00	23.10	21.94	18.91
		1720 (132072)	23.82	23.16	22.07	18.81
	50RB-High (50)	1770 (132572)	22.93	22.08	20.98	18.88
		1745 (132322)	22.98	21.98	20.98	18.80
		1720 (132072)	22.87	21.96	20.97	18.83
	50RB-Middle (25)	1770 (132572)	22.97	21.93	21.00	18.91
		1745 (132322)	23.01	21.91	21.00	18.88
		1720 (132072)	22.99	21.97	21.00	18.80
	50RB-Low (0)	1770 (132572)	22.96	21.93	20.94	18.80
		1745 (132322)	22.88	21.97	20.96	18.86
		1720 (132072)	22.96	21.95	20.94	18.77
	100RB (0)	1770 (132572)	22.92	21.91	20.94	18.86
		1745 (132322)	22.82	21.95	20.89	18.89
		1720 (132072)	22.88	21.95	20.99	18.79

LTE B66 ANT1 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	21.22	21.55	21.28	19.41
		1745 (132322)	21.26	21.37	21.52	19.50
		1710.7 (131979)	21.20	21.65	21.43	19.60
	1RB-Middle (3)	1779.3 (132665)	21.25	21.45	21.26	19.41
		1745 (132322)	21.24	21.58	21.40	19.59
		1710.7 (131979)	21.27	21.68	21.44	19.43
	1RB-Low (0)	1779.3 (132665)	21.19	21.69	21.15	19.46
		1745 (132322)	21.28	21.39	21.32	19.61
		1710.7 (131979)	21.29	21.62	21.46	19.55

	3RB-High (3)	1779.3 (132665)	21.20	21.33	21.31	19.60
		1745 (132322)	21.23	21.44	21.33	19.53
		1710.7 (131979)	21.29	21.46	21.33	19.45
	3RB-Middle (1)	1779.3 (132665)	21.20	21.26	21.38	19.63
		1745 (132322)	21.30	21.28	21.45	19.62
		1710.7 (131979)	21.24	21.29	21.48	19.41
	3RB-Low (0)	1779.3 (132665)	21.17	21.28	21.33	19.50
		1745 (132322)	21.25	21.35	21.32	19.63
		1710.7 (131979)	21.31	21.34	21.35	19.54
	6RB (0)	1779.3 (132665)	21.22	21.35	21.30	19.60
		1745 (132322)	21.24	21.39	21.36	19.43
		1710.7 (131979)	21.24	21.40	21.42	19.52
3MHz	1RB-High (14)	1778.5 (132657)	21.12	21.31	21.50	19.53
		1745 (132322)	21.13	21.54	21.38	19.58
		1711.5 (131987)	21.26	21.58	21.34	19.59
	1RB-Middle (7)	1778.5 (132657)	21.15	21.44	21.65	19.51
		1745 (132322)	21.25	21.23	21.21	19.44
		1711.5 (131987)	21.23	21.49	21.20	19.47
	1RB-Low (0)	1778.5 (132657)	21.08	21.39	21.43	19.56
		1745 (132322)	21.17	21.33	21.45	19.41
		1711.5 (131987)	21.39	21.43	21.37	19.49
	8RB-High (7)	1778.5 (132657)	21.12	21.27	21.10	19.45
		1745 (132322)	21.26	21.21	21.20	19.51
		1711.5 (131987)	21.33	21.18	21.41	19.60
	8RB-Middle (4)	1778.5 (132657)	20.99	21.05	21.21	19.57
		1745 (132322)	21.11	21.25	21.44	19.43
		1711.5 (131987)	21.27	21.32	21.33	19.52
	8RB-Low (0)	1778.5 (132657)	21.00	21.02	21.20	19.52
		1745 (132322)	21.03	21.13	21.14	19.63
		1711.5 (131987)	21.28	21.20	21.35	19.45
	15RB (0)	1778.5 (132657)	21.25	21.10	21.18	19.41
		1745 (132322)	21.11	21.06	21.18	19.42
		1711.5 (131987)	21.20	21.23	21.07	19.52
5MHz	1RB-High (24)	1777.5 (132647)	21.01	21.33	21.42	19.43
		1745 (132322)	21.03	21.66	21.46	19.40

		1712.5 (131997)	21.31	21.57	21.36	19.50
	1RB-Middle (12)	1777.5 (132647)	21.24	21.30	21.65	19.54
		1745 (132322)	21.06	21.29	21.26	19.40
		1712.5 (131997)	21.26	21.38	21.20	19.62
	1RB-Low (0)	1777.5 (132647)	21.10	21.44	21.49	19.59
		1745 (132322)	21.19	21.26	21.58	19.45
		1712.5 (131997)	21.24	21.51	21.45	19.43
	12RB-High (13)	1777.5 (132647)	21.18	21.15	21.19	19.43
		1745 (132322)	21.26	21.15	21.13	19.58
		1712.5 (131997)	21.36	21.25	21.42	19.42
	12RB-Middle (6)	1777.5 (132647)	21.10	20.95	21.12	19.53
		1745 (132322)	21.16	21.22	21.24	19.53
		1712.5 (131997)	21.27	21.33	21.29	19.52
	12RB-Low (0)	1777.5 (132647)	21.17	21.22	21.15	19.46
		1745 (132322)	21.08	21.19	21.04	19.56
		1712.5 (131997)	21.24	21.15	21.18	19.62
	25RB (0)	1777.5 (132647)	21.20	21.20	20.99	19.47
		1745 (132322)	21.17	21.10	21.30	19.52
		1712.5 (131997)	21.19	21.17	21.09	19.63
10MHz	1RB-High (49)	1775 (132622)	21.07	21.24	21.47	19.43
		1745 (132322)	21.06	21.74	21.43	19.55
		1715 (132022)	21.16	21.62	21.33	19.40
	1RB-Middle (24)	1775 (132622)	21.10	21.29	21.63	19.56
		1745 (132322)	21.12	21.29	21.35	19.46
		1715 (132022)	21.31	21.49	21.16	19.60
	1RB-Low (0)	1775 (132622)	21.18	21.41	21.42	19.40
		1745 (132322)	21.10	21.42	21.53	19.53
		1715 (132022)	21.28	21.45	21.45	19.49
	25RB-High (25)	1775 (132622)	21.14	21.13	21.06	19.51
		1745 (132322)	21.23	21.26	21.27	19.58
		1715 (132022)	21.25	21.08	21.43	19.57
	25RB-Middle (12)	1775 (132622)	20.97	21.06	21.02	19.59
		1745 (132322)	21.20	21.32	21.35	19.56
		1715 (132022)	21.22	21.19	21.40	19.43
	25RB-Low (0)	1775 (132622)	21.15	21.04	21.20	19.47
		1745 (132322)	21.05	21.13	21.16	19.48

	50RB (0)	1715 (132022)	21.42	21.14	21.25	19.63
		1775 (132622)	21.14	21.04	21.05	19.55
		1745 (132322)	21.12	21.17	21.13	19.51
		1715 (132022)	21.25	21.30	21.09	19.46
15MHz	1RB-High (74)	1772.5 (132597)	21.00	21.28	21.50	19.63
		1745 (132322)	21.07	21.72	21.53	19.47
		1717.5 (132047)	21.19	21.54	21.26	19.40
	1RB-Middle (37)	1772.5 (132597)	21.18	21.42	21.62	19.57
		1745 (132322)	21.25	21.22	21.30	19.53
		1717.5 (132047)	21.25	21.39	21.19	19.44
	1RB-Low (0)	1772.5 (132597)	21.08	21.39	21.45	19.44
		1745 (132322)	21.22	21.35	21.53	19.50
		1717.5 (132047)	21.29	21.30	21.28	19.49
	36RB-High (38)	1772.5 (132597)	21.30	21.14	21.15	19.58
		1745 (132322)	21.15	21.21	21.10	19.61
		1717.5 (132047)	21.19	21.24	21.33	19.53
	36RB-Middle (19)	1772.5 (132597)	21.02	21.02	21.13	19.63
		1745 (132322)	21.07	21.29	21.26	19.59
		1717.5 (132047)	21.12	21.24	21.28	19.57
	36RB-Low (0)	1772.5 (132597)	21.02	21.18	21.17	19.61
		1745 (132322)	21.18	21.03	21.07	19.42
		1717.5 (132047)	21.21	21.24	21.15	19.53
	75RB (0)	1772.5 (132597)	21.25	21.12	21.15	19.58
		1745 (132322)	21.12	21.11	21.22	19.45
		1717.5 (132047)	21.18	21.35	21.14	19.44
20MHz	1RB-High (99)	1770 (132572)	21.10	21.31	21.45	19.57
		1745 (132322)	21.09	21.65	21.42	19.57
		1720 (132072)	21.27	21.57	21.26	19.55
	1RB-Middle (50)	1770 (132572)	21.20	21.38	21.68	19.43
		1745 (132322)	21.14	21.32	21.26	19.51
		1720 (132072)	21.23	21.42	21.20	19.57
	1RB-Low (0)	1770 (132572)	21.09	21.37	21.39	19.56
		1745 (132322)	21.20	21.32	21.48	19.60
		1720 (132072)	21.29	21.40	21.35	19.48
	50RB-High (50)	1770 (132572)	21.20	21.21	21.17	19.49

		1745 (132322)	21.18	21.17	21.20	19.54
		1720 (132072)	21.30	21.19	21.34	19.50
	50RB-Middle (25)	1770 (132572)	21.05	21.06	21.13	19.45
		1745 (132322)	21.14	21.31	21.33	19.43
		1720 (132072)	21.19	21.23	21.32	19.62
	50RB-Low (0)	1770 (132572)	21.10	21.11	21.09	19.56
		1745 (132322)	21.13	21.14	21.11	19.55
		1720 (132072)	21.32	21.23	21.26	19.49
	100RB (0)	1770 (132572)	21.17	21.09	21.08	19.43
		1745 (132322)	21.22	21.15	21.19	19.46
		1720 (132072)	21.23	21.27	21.18	19.59

LTE B66 ANT1 DSI4

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	22.03	22.44	22.57	19.41
		1745 (132322)	22.23	22.58	22.46	19.59
		1710.7 (131979)	22.43	22.47	22.45	19.58
	1RB-Middle (3)	1779.3 (132665)	22.24	22.83	22.10	19.47
		1745 (132322)	22.35	22.97	22.13	19.41
		1710.7 (131979)	22.38	22.71	22.34	19.57
	1RB-Low (0)	1779.3 (132665)	22.09	22.71	22.32	19.43
		1745 (132322)	22.25	22.74	22.39	19.63
		1710.7 (131979)	22.42	22.36	22.46	19.48
	3RB-High (3)	1779.3 (132665)	22.16	22.40	22.31	19.62
		1745 (132322)	22.36	22.39	22.31	19.61
		1710.7 (131979)	22.49	22.46	22.39	19.63
	3RB-Middle (1)	1779.3 (132665)	22.15	22.12	22.32	19.62
		1745 (132322)	22.50	22.25	22.48	19.42
		1710.7 (131979)	22.34	22.39	22.39	19.48
	3RB-Low (0)	1779.3 (132665)	22.33	22.20	22.03	19.60
		1745 (132322)	22.43	22.19	22.29	19.54
		1710.7 (131979)	22.41	22.51	22.38	19.56
	6RB (0)	1779.3 (132665)	22.38	22.14	22.46	19.55
		1745 (132322)	22.34	22.23	22.16	19.48
		1710.7 (131979)	22.43	22.42	22.26	19.54

3MHz	1RB-High (14)	1778.5 (132657)	22.18	22.32	22.46	19.46
		1745 (132322)	22.27	22.61	22.48	19.44
		1711.5 (131987)	22.31	22.49	22.40	19.54
	1RB-Middle (7)	1778.5 (132657)	22.14	22.84	22.11	19.48
		1745 (132322)	22.21	22.54	22.23	19.46
		1711.5 (131987)	22.32	22.95	22.53	19.48
	1RB-Low (0)	1778.5 (132657)	22.16	22.56	22.33	19.48
		1745 (132322)	22.32	22.51	22.28	19.50
		1711.5 (131987)	22.28	22.46	22.50	19.54
	8RB-High (7)	1778.5 (132657)	22.34	22.44	22.29	19.57
		1745 (132322)	22.26	22.27	22.23	19.55
		1711.5 (131987)	22.26	22.31	22.48	19.41
	8RB-Middle (4)	1778.5 (132657)	22.14	22.06	22.13	19.49
		1745 (132322)	22.45	22.29	22.35	19.49
		1711.5 (131987)	22.35	22.44	22.35	19.47
	8RB-Low (0)	1778.5 (132657)	22.18	22.23	22.07	19.52
		1745 (132322)	22.38	22.42	22.30	19.46
		1711.5 (131987)	22.26	22.38	22.45	19.44
	15RB (0)	1778.5 (132657)	22.13	22.29	22.28	19.48
		1745 (132322)	22.34	22.20	22.28	19.48
		1711.5 (131987)	22.31	22.41	22.25	19.43
5MHz	1RB-High (24)	1777.5 (132647)	22.03	22.41	22.60	19.54
		1745 (132322)	22.19	22.58	22.29	19.49
		1712.5 (131997)	22.49	22.39	22.40	19.50
	1RB-Middle (12)	1777.5 (132647)	22.29	22.80	22.25	19.52
		1745 (132322)	22.33	22.68	22.27	19.55
		1712.5 (131997)	22.31	22.34	22.26	19.52
	1RB-Low (0)	1777.5 (132647)	22.08	22.57	22.33	19.60
		1745 (132322)	22.30	22.72	22.38	19.51
		1712.5 (131997)	22.36	22.46	22.45	19.43
	12RB-High (13)	1777.5 (132647)	22.20	22.38	22.24	19.59
		1745 (132322)	22.27	22.33	22.27	19.51
		1712.5 (131997)	22.52	22.34	22.41	19.54
	12RB-Middle (6)	1777.5 (132647)	22.13	22.11	22.39	19.48
		1745 (132322)	22.40	22.27	22.47	19.55

	12RB-Low (0)	1712.5 (131997)	22.32	22.42	22.35	19.56
		1777.5 (132647)	22.40	22.22	22.14	19.47
		1745 (132322)	22.27	22.22	22.33	19.63
		1712.5 (131997)	22.40	22.40	22.31	19.49
	25RB (0)	1777.5 (132647)	22.20	22.33	22.43	19.56
		1745 (132322)	22.47	22.11	22.14	19.43
		1712.5 (131997)	22.27	22.48	22.30	19.49
10MHz	1RB-High (49)	1775 (132622)	22.20	22.36	22.34	19.50
		1745 (132322)	22.29	22.63	22.36	19.47
		1715 (132022)	22.35	22.40	22.46	19.49
	1RB-Middle (24)	1775 (132622)	22.21	22.84	22.13	19.56
		1745 (132322)	22.38	22.56	22.31	19.59
		1715 (132022)	22.46	22.49	22.42	19.53
	1RB-Low (0)	1775 (132622)	22.23	22.64	22.34	19.49
		1745 (132322)	22.30	22.68	22.32	19.46
		1715 (132022)	22.30	22.61	22.32	19.53
	25RB-High (25)	1775 (132622)	22.23	22.33	22.32	19.49
		1745 (132322)	22.36	22.29	22.29	19.54
		1715 (132022)	22.30	22.30	22.32	19.53
	25RB-Middle (12)	1775 (132622)	22.06	22.16	22.12	19.46
		1745 (132322)	22.36	22.29	22.34	19.43
		1715 (132022)	22.43	22.30	22.35	19.58
	25RB-Low (0)	1775 (132622)	22.37	22.15	22.11	19.45
		1745 (132322)	22.33	22.26	22.25	19.55
		1715 (132022)	22.24	22.29	22.38	19.62
	50RB (0)	1775 (132622)	22.21	22.28	22.34	19.51
		1745 (132322)	22.26	22.21	22.30	19.42
		1715 (132022)	22.29	22.33	22.41	19.60
15MHz	1RB-High (74)	1772.5 (132597)	22.11	22.45	22.50	19.44
		1745 (132322)	22.27	22.64	22.39	19.56
		1717.5 (132047)	22.39	22.41	22.35	19.46
	1RB-Middle (37)	1772.5 (132597)	22.20	22.75	22.18	19.58
		1745 (132322)	22.29	22.65	22.17	19.62
		1717.5 (132047)	22.33	22.34	22.34	19.45
	1RB-Low (0)	1772.5 (132597)	22.14	22.61	22.30	19.59

		1745 (132322)	22.34	22.64	22.29	19.41
		1717.5 (132047)	22.34	22.44	22.41	19.47
	36RB-High (38)	1772.5 (132597)	22.24	22.41	22.21	19.46
		1745 (132322)	22.27	22.37	22.22	19.59
		1717.5 (132047)	22.43	22.36	22.48	19.57
	36RB-Middle (19)	1772.5 (132597)	22.08	22.12	22.29	19.60
		1745 (132322)	22.48	22.34	22.38	19.47
		1717.5 (132047)	22.26	22.33	22.37	19.48
	36RB-Low (0)	1772.5 (132597)	22.34	22.29	22.08	19.45
		1745 (132322)	22.36	22.23	22.30	19.58
		1717.5 (132047)	22.36	22.49	22.36	19.56
	75RB (0)	1772.5 (132597)	22.29	22.24	22.37	19.56
		1745 (132322)	22.42	22.21	22.23	19.63
		1717.5 (132047)	22.37	22.40	22.22	19.55
20MHz	1RB-High (99)	1770 (132572)	22.19	22.40	22.41	19.49
		1745 (132322)	22.34	22.61	22.38	19.48
		1720 (132072)	22.32	22.39	22.36	19.58
	1RB-Middle (50)	1770 (132572)	22.23	22.76	22.20	19.49
		1745 (132322)	22.31	22.81	22.22	19.53
		1720 (132072)	22.35	22.34	22.43	19.46
	1RB-Low (0)	1770 (132572)	22.22	22.59	22.35	19.63
		1745 (132322)	22.36	22.58	22.37	19.41
		1720 (132072)	22.34	22.54	22.41	19.45
	50RB-High (50)	1770 (132572)	22.26	22.36	22.29	19.62
		1745 (132322)	22.40	22.37	22.29	19.47
		1720 (132072)	22.33	22.38	22.42	19.45
	50RB-Middle (25)	1770 (132572)	22.15	22.16	22.19	19.58
		1745 (132322)	22.32	22.34	22.37	19.59
		1720 (132072)	22.33	22.38	22.39	19.41
	50RB-Low (0)	1770 (132572)	22.27	22.25	22.17	19.52
		1745 (132322)	22.28	22.32	22.31	19.52
		1720 (132072)	22.33	22.39	22.40	19.54
	100RB (0)	1770 (132572)	22.19	22.23	22.28	19.62
		1745 (132322)	22.33	22.27	22.30	19.45
		1720 (132072)	22.38	22.36	22.32	19.42

LTE B66 ANT3 DSI14

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.89	23.23	21.99	19.53
		1745 (132322)	23.88	23.53	22.15	19.56
		1710.7 (131979)	23.97	23.47	22.00	19.49
	1RB-Middle (3)	1779.3 (132665)	23.93	23.34	22.24	19.59
		1745 (132322)	23.98	23.49	22.15	19.57
		1710.7 (131979)	23.91	23.27	22.23	19.45
	1RB-Low (0)	1779.3 (132665)	23.85	23.37	22.21	19.57
		1745 (132322)	23.90	23.24	21.99	19.58
		1710.7 (131979)	23.96	23.46	22.09	19.51
	3RB-High (3)	1779.3 (132665)	23.93	23.09	21.97	19.47
		1745 (132322)	23.93	22.98	22.01	19.46
		1710.7 (131979)	23.98	23.07	22.00	19.44
	3RB-Middle (1)	1779.3 (132665)	23.97	23.08	22.01	19.46
		1745 (132322)	23.94	22.99	21.97	19.57
		1710.7 (131979)	23.92	23.14	21.99	19.60
	3RB-Low (0)	1779.3 (132665)	23.86	23.09	21.96	19.50
		1745 (132322)	23.95	23.04	21.99	19.51
		1710.7 (131979)	23.89	23.07	22.06	19.45
	6RB (0)	1779.3 (132665)	23.02	22.05	20.98	19.53
		1745 (132322)	22.94	22.07	21.07	19.49
		1710.7 (131979)	23.01	22.05	21.13	19.58
3MHz	1RB-High (14)	1778.5 (132657)	23.88	23.23	22.01	19.50
		1745 (132322)	23.87	23.29	21.93	19.48
		1711.5 (131987)	23.96	23.33	22.13	19.44
	1RB-Middle (7)	1778.5 (132657)	23.94	23.52	22.08	19.49
		1745 (132322)	24.01	23.22	22.38	19.58
		1711.5 (131987)	24.07	23.41	22.20	19.59
	1RB-Low (0)	1778.5 (132657)	23.89	23.20	22.03	19.51
		1745 (132322)	23.93	23.22	22.07	19.49
		1711.5 (131987)	23.95	23.20	22.10	19.53
	8RB-High (7)	1778.5 (132657)	23.01	22.06	21.02	19.49
		1745 (132322)	23.00	22.08	21.10	19.44

	8RB-Middle (4)	1711.5 (131987)	23.04	22.00	21.05	19.48
		1778.5 (132657)	23.07	22.08	21.06	19.53
		1745 (132322)	23.02	22.18	21.04	19.60
		1711.5 (131987)	23.02	22.12	21.13	19.55
	8RB-Low (0)	1778.5 (132657)	22.96	22.03	21.01	19.56
		1745 (132322)	23.03	22.02	21.04	19.53
		1711.5 (131987)	23.00	22.17	21.05	19.58
	15RB (0)	1778.5 (132657)	23.03	22.06	20.99	19.51
		1745 (132322)	23.12	22.03	21.02	19.57
		1711.5 (131987)	23.12	22.04	21.08	19.58
	1RB-High (24)	1777.5 (132647)	23.86	23.23	22.00	19.47
		1745 (132322)	23.95	23.22	22.03	19.54
		1712.5 (131997)	23.92	23.45	22.10	19.55
5MHz	1RB-Middle (12)	1777.5 (132647)	23.96	23.44	21.94	19.58
		1745 (132322)	24.04	23.31	22.06	19.51
		1712.5 (131997)	24.02	23.25	22.19	19.52
	1RB-Low (0)	1777.5 (132647)	23.94	23.24	22.17	19.48
		1745 (132322)	23.90	23.20	21.99	19.51
		1712.5 (131997)	23.94	23.27	22.04	19.52
	12RB-High (13)	1777.5 (132647)	23.00	22.11	20.97	19.59
		1745 (132322)	23.04	22.12	21.04	19.44
		1712.5 (131997)	23.08	22.07	21.09	19.52
	12RB-Middle (6)	1777.5 (132647)	23.03	22.05	21.11	19.46
		1745 (132322)	23.07	22.17	21.05	19.56
		1712.5 (131997)	23.11	22.10	21.10	19.59
	12RB-Low (0)	1777.5 (132647)	23.05	22.04	20.99	19.59
		1745 (132322)	22.92	21.93	20.96	19.56
		1712.5 (131997)	23.05	22.09	21.04	19.44
	25RB (0)	1777.5 (132647)	22.97	22.02	21.01	19.60
		1745 (132322)	22.92	22.00	20.96	19.45
		1712.5 (131997)	23.09	22.05	21.09	19.53
10MHz	1RB-High (49)	1775 (132622)	23.91	23.18	21.99	19.44
		1745 (132322)	23.88	23.16	22.05	19.59
		1715 (132022)	23.93	23.42	22.26	19.51
	1RB-Middle (24)	1775 (132622)	23.88	23.27	22.02	19.45

		1745 (132322)	23.98	23.29	22.17	19.44
		1715 (132022)	23.89	23.21	22.32	19.54
	1RB-Low (0)	1775 (132622)	23.96	23.40	21.86	19.52
		1745 (132322)	23.98	23.21	22.01	19.51
		1715 (132022)	23.90	23.29	22.03	19.51
	25RB-High (25)	1775 (132622)	22.99	22.03	21.09	19.56
		1745 (132322)	23.02	22.01	21.03	19.56
		1715 (132022)	23.08	22.08	21.04	19.53
	25RB-Middle (12)	1775 (132622)	22.97	22.02	21.03	19.48
		1745 (132322)	22.97	22.00	20.95	19.59
		1715 (132022)	23.08	22.06	21.15	19.49
	25RB-Low (0)	1775 (132622)	22.86	21.97	20.96	19.47
		1745 (132322)	22.98	22.07	20.98	19.51
		1715 (132022)	23.04	22.12	20.98	19.54
	50RB (0)	1775 (132622)	22.87	21.95	20.88	19.49
		1745 (132322)	22.97	21.95	21.05	19.51
		1715 (132022)	23.00	22.05	21.09	19.57
15MHz	1RB-High (74)	1772.5 (132597)	23.69	23.05	21.76	19.50
		1745 (132322)	23.92	23.09	21.90	19.56
		1717.5 (132047)	23.86	23.38	21.88	19.58
	1RB-Middle (37)	1772.5 (132597)	23.68	22.99	21.82	19.46
		1745 (132322)	23.77	23.52	21.96	19.46
		1717.5 (132047)	23.65	22.99	22.03	19.59
	1RB-Low (0)	1772.5 (132597)	23.73	23.32	21.80	19.47
		1745 (132322)	23.81	22.98	21.90	19.57
		1717.5 (132047)	23.80	23.07	21.95	19.56
	36RB-High (38)	1772.5 (132597)	22.87	21.92	20.92	19.51
		1745 (132322)	22.86	21.86	20.91	19.57
		1717.5 (132047)	22.87	21.95	20.92	19.46
	36RB-Middle (19)	1772.5 (132597)	22.88	21.99	20.94	19.54
		1745 (132322)	22.81	21.78	20.71	19.60
		1717.5 (132047)	22.86	21.92	20.87	19.54
	36RB-Low (0)	1772.5 (132597)	22.84	21.87	20.84	19.59
		1745 (132322)	22.76	21.83	20.81	19.56
		1717.5 (132047)	22.84	21.82	20.88	19.53
	75RB (0)	1772.5 (132597)	22.90	21.89	20.97	19.55

		1745 (132322)	22.79	21.84	20.74	19.55
		1717.5 (132047)	22.87	21.88	20.93	19.45
20MHz	1RB-High (99)	1770 (132572)	23.67	23.02	21.76	19.59
		1745 (132322)	23.88	23.11	22.02	19.45
		1720 (132072)	23.83	23.09	22.26	19.44
	1RB-Middle (50)	1770 (132572)	23.77	23.07	21.90	19.58
		1745 (132322)	23.89	23.05	21.91	19.46
		1720 (132072)	23.88	22.91	21.73	19.53
	1RB-Low (0)	1770 (132572)	23.78	23.01	21.93	19.56
		1745 (132322)	23.84	23.12	21.79	19.59
		1720 (132072)	23.74	23.13	21.98	19.55
	50RB-High (50)	1770 (132572)	22.84	21.93	20.91	19.56
		1745 (132322)	22.91	21.85	20.89	19.45
		1720 (132072)	22.87	21.87	20.93	19.50
	50RB-Middle (25)	1770 (132572)	22.85	21.82	20.82	19.47
		1745 (132322)	22.76	21.76	20.84	19.48
		1720 (132072)	22.87	21.94	20.84	19.49
	50RB-Low (0)	1770 (132572)	22.88	21.94	20.86	19.51
		1745 (132322)	22.84	21.81	20.83	19.44
		1720 (132072)	22.88	21.85	20.83	19.44
	100RB (0)	1770 (132572)	22.83	21.87	20.87	19.59
		1745 (132322)	22.75	21.86	20.74	19.52
		1720 (132072)	22.83	21.85	20.82	19.44

LTE B66 ANT3 DSI1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	21.04	21.27	21.18	19.56
		1745 (132322)	21.00	21.85	21.14	19.61
		1710.7 (131979)	21.06	21.52	21.02	19.57
	1RB-Middle (3)	1779.3 (132665)	20.99	21.56	21.21	19.54
		1745 (132322)	21.06	21.46	21.05	19.58
		1710.7 (131979)	21.04	21.62	21.24	19.61
	1RB-Low (0)	1779.3 (132665)	21.06	21.08	21.10	19.59
		1745 (132322)	21.04	21.13	21.12	19.56

	3RB-High (3)	1710.7 (131979)	21.03	21.63	21.21	19.50
		1779.3 (132665)	20.98	21.20	21.03	19.58
		1745 (132322)	21.04	21.24	21.10	19.54
		1710.7 (131979)	21.05	21.15	21.13	19.56
	3RB-Middle (1)	1779.3 (132665)	21.00	21.13	21.19	19.57
		1745 (132322)	21.02	21.20	21.09	19.59
		1710.7 (131979)	21.10	21.27	21.14	19.52
	3RB-Low (0)	1779.3 (132665)	20.99	21.05	21.14	19.60
		1745 (132322)	20.99	21.14	21.01	19.58
		1710.7 (131979)	21.05	21.20	21.20	19.58
	6RB (0)	1779.3 (132665)	21.09	21.13	21.10	19.60
		1745 (132322)	21.07	21.22	21.05	19.60
		1710.7 (131979)	21.12	21.18	21.05	19.58
3MHz	1RB-High (14)	1778.5 (132657)	20.88	21.38	21.23	19.52
		1745 (132322)	21.13	21.40	21.12	19.53
		1711.5 (131987)	21.08	21.34	21.26	19.55
	1RB-Middle (7)	1778.5 (132657)	21.07	21.44	20.99	19.55
		1745 (132322)	20.85	21.41	21.15	19.51
		1711.5 (131987)	21.23	21.46	21.08	19.54
	1RB-Low (0)	1778.5 (132657)	21.23	21.41	21.16	19.59
		1745 (132322)	20.99	21.26	21.11	19.51
		1711.5 (131987)	21.18	21.36	21.05	19.52
	8RB-High (7)	1778.5 (132657)	21.20	21.10	20.97	19.53
		1745 (132322)	21.22	21.17	21.10	19.52
		1711.5 (131987)	21.17	21.11	21.11	19.54
	8RB-Middle (4)	1778.5 (132657)	21.16	21.03	20.95	19.51
		1745 (132322)	21.24	21.15	21.22	19.52
		1711.5 (131987)	20.98	21.22	21.13	19.56
	8RB-Low (0)	1778.5 (132657)	21.13	21.00	20.93	19.54
		1745 (132322)	21.09	20.90	20.87	19.61
		1711.5 (131987)	21.16	21.14	21.01	19.59
	15RB (0)	1778.5 (132657)	21.04	21.00	21.14	19.53
		1745 (132322)	21.17	21.01	21.11	19.58
		1711.5 (131987)	21.05	21.18	21.06	19.52
5MHz	1RB-High (24)	1777.5 (132647)	21.01	21.35	21.07	19.60

		1745 (132322)	21.11	21.31	21.01	19.60
		1712.5 (131997)	21.07	21.44	21.13	19.59
	1RB-Middle (12)	1777.5 (132647)	21.07	21.29	21.14	19.56
		1745 (132322)	21.06	21.31	20.99	19.60
		1712.5 (131997)	21.13	21.48	21.00	19.61
	1RB-Low (0)	1777.5 (132647)	21.20	21.47	21.25	19.55
		1745 (132322)	21.02	21.21	21.22	19.60
		1712.5 (131997)	21.15	21.21	20.98	19.52
	12RB-High (13)	1777.5 (132647)	21.13	21.13	21.02	19.55
		1745 (132322)	21.09	21.15	21.14	19.54
		1712.5 (131997)	21.04	21.13	21.04	19.58
	12RB-Middle (6)	1777.5 (132647)	21.10	21.08	20.94	19.55
		1745 (132322)	21.11	21.17	21.08	19.52
		1712.5 (131997)	21.09	21.20	21.18	19.60
	12RB-Low (0)	1777.5 (132647)	21.24	21.16	21.06	19.50
		1745 (132322)	21.12	21.03	21.00	19.61
		1712.5 (131997)	21.09	21.01	21.01	19.50
	25RB (0)	1777.5 (132647)	20.98	21.07	21.02	19.60
		1745 (132322)	21.20	21.10	20.96	19.58
		1712.5 (131997)	21.04	21.24	21.01	19.50
10MHz	1RB-High (49)	1775 (132622)	20.96	21.29	21.23	19.61
		1745 (132322)	21.13	21.36	20.92	19.60
		1715 (132022)	21.02	21.39	21.23	19.53
	1RB-Middle (24)	1775 (132622)	21.20	21.44	20.95	19.54
		1745 (132322)	21.05	21.20	21.16	19.50
		1715 (132022)	21.21	21.29	20.93	19.56
	1RB-Low (0)	1775 (132622)	21.20	21.48	21.19	19.51
		1745 (132322)	21.09	21.20	21.12	19.59
		1715 (132022)	21.25	21.33	21.00	19.54
	25RB-High (25)	1775 (132622)	21.23	21.21	21.17	19.53
		1745 (132322)	21.14	20.99	21.12	19.51
		1715 (132022)	21.14	21.23	20.97	19.61
	25RB-Middle (12)	1775 (132622)	20.95	21.05	21.10	19.54
		1745 (132322)	21.05	21.23	21.12	19.53
		1715 (132022)	21.00	21.18	21.07	19.52
	25RB-Low (0)	1775 (132622)	21.06	20.97	20.90	19.58

	50RB (0)	1745 (132322)	21.06	20.88	21.04	19.56
		1715 (132022)	21.22	21.02	20.99	19.51
		1775 (132622)	21.12	20.97	21.07	19.61
		1745 (132322)	21.09	21.14	20.93	19.61
		1715 (132022)	21.22	21.16	21.09	19.51
15MHz	1RB-High (74)	1772.5 (132597)	21.03	21.20	21.23	19.56
		1745 (132322)	21.20	21.35	21.07	19.51
		1717.5 (132047)	21.00	21.28	21.25	19.53
	1RB-Middle (37)	1772.5 (132597)	21.18	21.30	21.09	19.60
		1745 (132322)	20.90	21.39	21.18	19.56
		1717.5 (132047)	21.24	21.49	20.95	19.60
	1RB-Low (0)	1772.5 (132597)	21.09	21.54	21.18	19.53
		1745 (132322)	20.99	21.22	21.30	19.52
		1717.5 (132047)	21.14	21.16	21.13	19.58
	36RB-High (38)	1772.5 (132597)	21.27	21.25	21.01	19.60
		1745 (132322)	21.09	21.05	21.01	19.58
		1717.5 (132047)	21.21	21.15	21.10	19.55
	36RB-Middle (19)	1772.5 (132597)	21.07	21.02	20.94	19.55
		1745 (132322)	21.04	21.22	21.03	19.58
		1717.5 (132047)	21.00	21.17	21.09	19.55
	36RB-Low (0)	1772.5 (132597)	21.17	21.11	20.87	19.53
		1745 (132322)	21.08	21.07	20.97	19.51
		1717.5 (132047)	21.22	21.13	21.11	19.50
	75RB (0)	1772.5 (132597)	20.99	21.05	21.12	19.59
		1745 (132322)	21.16	21.10	20.93	19.56
		1717.5 (132047)	21.11	21.05	21.09	19.61
20MHz	1RB-High (99)	1770 (132572)	20.96	21.27	21.12	19.56
		1745 (132322)	21.16	21.38	21.02	19.60
		1720 (132072)	21.03	21.36	21.24	19.56
	1RB-Middle (50)	1770 (132572)	21.13	21.39	21.04	19.55
		1745 (132322)	20.96	21.31	21.09	19.56
		1720 (132072)	21.15	21.38	21.02	19.52
	1RB-Low (0)	1770 (132572)	21.14	21.51	21.26	19.50
		1745 (132322)	21.18	21.27	21.19	19.58
		1720 (132072)	21.09	21.26	21.05	19.61

	50RB-High (50)	1770 (132572)	21.19	21.15	21.07	19.58
		1745 (132322)	21.20	21.07	21.06	19.61
		1720 (132072)	21.11	21.18	21.05	19.61
	50RB-Middle (25)	1770 (132572)	21.05	21.06	21.04	19.60
		1745 (132322)	21.13	21.13	21.12	19.61
		1720 (132072)	21.08	21.11	21.14	19.57
	50RB-Low (0)	1770 (132572)	21.16	21.07	20.97	19.58
		1745 (132322)	21.06	20.96	20.95	19.56
		1720 (132072)	21.13	21.06	21.09	19.60
	100RB (0)	1770 (132572)	21.07	20.99	21.03	19.50
		1745 (132322)	21.11	21.05	21.00	19.50
		1720 (132072)	21.15	21.15	21.04	19.51

LTE B66 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	17.95	18.08	17.82	17.58
		1745 (132322)	18.08	18.02	18.06	17.55
		1710.7 (131979)	17.84	18.20	17.79	17.60
	1RB-Middle (3)	1779.3 (132665)	17.93	18.13	18.21	17.70
		1745 (132322)	18.01	18.76	17.92	17.67
		1710.7 (131979)	17.76	18.20	17.89	17.55
	1RB-Low (0)	1779.3 (132665)	18.12	17.96	17.84	17.71
		1745 (132322)	18.09	18.04	17.72	17.82
		1710.7 (131979)	18.16	17.95	18.05	17.75
	3RB-High (3)	1779.3 (132665)	17.97	17.93	17.77	17.79
		1745 (132322)	18.14	18.01	18.05	17.58
		1710.7 (131979)	18.04	18.13	17.82	17.55
	3RB-Middle (1)	1779.3 (132665)	18.03	17.75	17.96	17.55
		1745 (132322)	17.93	18.02	17.91	17.71
		1710.7 (131979)	17.94	17.88	18.10	17.57
	3RB-Low (0)	1779.3 (132665)	17.97	17.85	17.96	17.65
		1745 (132322)	17.91	17.80	17.73	17.63
		1710.7 (131979)	17.98	17.88	18.03	17.53
	6RB (0)	1779.3 (132665)	18.01	17.74	18.05	17.81
		1745 (132322)	18.08	18.03	17.88	17.53

		1710.7 (131979)	18.16	18.13	18.12	17.82
3MHz	1RB-High (14)	1778.5 (132657)	18.01	18.14	17.71	17.67
		1745 (132322)	18.15	18.09	18.04	17.55
		1711.5 (131987)	18.12	18.19	17.72	17.54
	1RB-Middle (7)	1778.5 (132657)	18.05	18.04	18.15	17.55
		1745 (132322)	17.98	18.69	18.00	17.51
		1711.5 (131987)	17.85	18.25	17.76	17.80
	1RB-Low (0)	1778.5 (132657)	18.07	17.93	18.01	17.65
		1745 (132322)	18.16	18.20	17.81	17.67
		1711.5 (131987)	17.96	17.96	17.94	17.84
	8RB-High (7)	1778.5 (132657)	18.00	17.85	17.95	17.75
		1745 (132322)	18.09	17.93	17.90	17.56
		1711.5 (131987)	18.06	18.08	17.90	17.56
	8RB-Middle (4)	1778.5 (132657)	18.11	17.85	17.83	17.52
		1745 (132322)	17.99	17.87	17.90	17.54
		1711.5 (131987)	17.93	18.02	17.96	17.77
	8RB-Low (0)	1778.5 (132657)	18.00	17.94	17.93	17.71
		1745 (132322)	17.88	17.79	17.96	17.77
		1711.5 (131987)	17.85	17.80	18.08	17.81
	15RB (0)	1778.5 (132657)	17.96	17.80	17.94	17.51
		1745 (132322)	18.14	17.99	17.99	17.54
		1711.5 (131987)	18.11	18.03	17.99	17.83
5MHz	1RB-High (24)	1777.5 (132647)	17.86	18.09	17.77	17.67
		1745 (132322)	18.16	18.08	18.15	17.80
		1712.5 (131997)	17.90	18.27	17.80	17.57
	1RB-Middle (12)	1777.5 (132647)	17.79	18.03	18.16	17.82
		1745 (132322)	18.19	18.73	17.98	17.76
		1712.5 (131997)	17.81	18.24	17.84	17.79
	1RB-Low (0)	1777.5 (132647)	18.23	17.95	18.01	17.84
		1745 (132322)	18.00	18.00	17.81	17.71
		1712.5 (131997)	18.09	17.88	18.03	17.77
	12RB-High (13)	1777.5 (132647)	18.09	18.04	17.85	17.63
		1745 (132322)	18.11	18.00	17.95	17.67
		1712.5 (131997)	18.01	17.95	17.74	17.71
	12RB-Middle (6)	1777.5 (132647)	18.13	17.68	17.99	17.60

		1745 (132322)	18.03	17.89	17.82	17.84
		1712.5 (131997)	18.01	17.98	18.04	17.63
	12RB-Low (0)	1777.5 (132647)	17.85	17.83	17.88	17.82
		1745 (132322)	18.01	17.80	17.80	17.54
		1712.5 (131997)	17.86	17.96	18.18	17.70
	25RB (0)	1777.5 (132647)	17.99	17.78	17.98	17.76
		1745 (132322)	18.12	18.09	17.91	17.56
		1712.5 (131997)	18.18	18.07	18.02	17.64
10MHz	1RB-High (49)	1775 (132622)	18.02	18.19	17.79	17.67
		1745 (132322)	18.13	18.09	18.01	17.55
		1715 (132022)	17.97	18.23	17.73	17.71
	1RB-Middle (24)	1775 (132622)	17.94	18.01	18.25	17.64
		1745 (132322)	18.01	18.54	17.94	17.82
		1715 (132022)	17.93	18.35	17.93	17.70
	1RB-Low (0)	1775 (132622)	18.00	17.93	17.92	17.64
		1745 (132322)	18.24	18.13	17.81	17.81
		1715 (132022)	18.08	18.05	17.94	17.73
	25RB-High (25)	1775 (132622)	17.96	17.84	17.87	17.82
		1745 (132322)	18.11	18.04	17.98	17.51
		1715 (132022)	17.95	18.05	17.92	17.67
	25RB-Middle (12)	1775 (132622)	18.07	17.70	17.89	17.75
		1745 (132322)	18.11	17.88	17.95	17.60
		1715 (132022)	17.90	17.95	18.00	17.72
	25RB-Low (0)	1775 (132622)	18.05	17.95	17.88	17.51
		1745 (132322)	17.94	17.82	17.93	17.64
		1715 (132022)	17.93	17.80	17.95	17.57
	50RB (0)	1775 (132622)	18.02	17.89	17.90	17.74
		1745 (132322)	18.17	17.93	17.84	17.66
		1715 (132022)	18.11	17.99	18.05	17.81
15MHz	1RB-High (74)	1772.5 (132597)	17.93	18.11	17.73	17.78
		1745 (132322)	18.09	18.02	18.09	17.77
		1717.5 (132047)	17.93	18.23	17.84	17.53
	1RB-Middle (37)	1772.5 (132597)	17.88	18.11	18.24	17.79
		1745 (132322)	18.09	18.72	17.91	17.55
		1717.5 (132047)	17.80	18.28	17.93	17.63

	1RB-Low (0)	1772.5 (132597)	18.13	17.93	17.94	17.75
		1745 (132322)	18.07	18.08	17.82	17.51
		1717.5 (132047)	18.09	17.97	17.98	17.64
	36RB-High (38)	1772.5 (132597)	18.03	17.96	17.86	17.52
		1745 (132322)	18.09	18.02	18.00	17.55
		1717.5 (132047)	18.08	18.04	17.81	17.54
	36RB-Middle (19)	1772.5 (132597)	18.11	17.74	18.00	17.78
		1745 (132322)	18.00	17.95	17.81	17.65
		1717.5 (132047)	17.98	17.92	18.09	17.60
	36RB-Low (0)	1772.5 (132597)	17.92	17.88	17.92	17.51
		1745 (132322)	17.98	17.86	17.83	17.73
		1717.5 (132047)	17.90	17.86	18.10	17.58
	75RB (0)	1772.5 (132597)	18.02	17.82	17.97	17.80
		1745 (132322)	18.05	18.08	17.95	17.64
		1717.5 (132047)	18.12	18.10	18.08	17.82
20MHz	1RB-High (99)	1770 (132572)	17.97	18.15	17.79	17.73
		1745 (132322)	18.08	18.10	18.09	17.58
		1720 (132072)	18.02	18.18	17.81	17.60
	1RB-Middle (50)	1770 (132572)	17.95	18.09	18.20	17.74
		1745 (132322)	18.01	18.62	18.01	17.72
		1720 (132072)	17.90	18.31	17.84	17.84
	1RB-Low (0)	1770 (132572)	18.10	18.03	17.97	17.61
		1745 (132322)	18.14	18.15	17.90	17.84
		1720 (132072)	18.02	18.06	17.92	17.68
	50RB-High (50)	1770 (132572)	18.03	17.92	17.90	17.54
		1745 (132322)	18.05	17.97	17.91	17.55
		1720 (132072)	18.00	18.00	17.89	17.72
	50RB-Middle (25)	1770 (132572)	18.03	17.80	17.92	17.51
		1745 (132322)	18.06	17.88	17.90	17.81
		1720 (132072)	17.99	18.01	18.01	17.65
	50RB-Low (0)	1770 (132572)	17.95	17.89	17.92	17.72
		1745 (132322)	17.97	17.89	17.86	17.68
		1720 (132072)	17.92	17.90	18.01	17.66
	100RB (0)	1770 (132572)	17.94	17.88	17.92	17.73
		1745 (132322)	18.08	17.98	17.93	17.65
		1720 (132072)	18.05	18.00	18.00	17.65

LTE B66 ANT3 DSI5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	22.07	22.37	22.26	19.59
		1745 (132322)	22.10	22.32	22.26	19.46
		1710.7 (131979)	22.10	22.53	22.36	19.50
	1RB-Middle (3)	1779.3 (132665)	22.08	22.53	22.23	19.48
		1745 (132322)	22.16	22.47	22.37	19.61
		1710.7 (131979)	22.16	22.46	22.46	19.50
	1RB-Low (0)	1779.3 (132665)	22.03	22.28	22.08	19.49
		1745 (132322)	22.07	22.63	22.28	19.59
		1710.7 (131979)	22.11	22.36	22.22	19.50
	3RB-High (3)	1779.3 (132665)	22.11	22.27	22.21	19.55
		1745 (132322)	22.03	22.21	22.11	19.51
		1710.7 (131979)	22.15	22.24	22.16	19.58
	3RB-Middle (1)	1779.3 (132665)	22.12	22.22	22.20	19.47
		1745 (132322)	22.11	22.24	22.10	19.45
		1710.7 (131979)	22.10	22.30	22.22	19.51
	3RB-Low (0)	1779.3 (132665)	22.10	22.22	22.23	19.61
		1745 (132322)	22.08	22.23	22.17	19.58
		1710.7 (131979)	22.04	22.19	22.22	19.55
	6RB (0)	1779.3 (132665)	22.16	22.18	22.10	19.51
		1745 (132322)	22.06	22.10	22.14	19.49
		1710.7 (131979)	22.12	22.18	22.20	19.49
3MHz	1RB-High (14)	1778.5 (132657)	22.09	22.45	22.22	19.50
		1745 (132322)	22.10	22.36	22.32	19.46
		1711.5 (131987)	22.07	22.41	22.26	19.53
	1RB-Middle (7)	1778.5 (132657)	22.15	22.60	22.30	19.50
		1745 (132322)	22.13	22.62	22.42	19.52
		1711.5 (131987)	22.21	22.53	22.13	19.61
	1RB-Low (0)	1778.5 (132657)	22.07	22.39	22.25	19.58
		1745 (132322)	22.02	22.49	22.01	19.53
		1711.5 (131987)	22.03	22.30	22.12	19.49
	8RB-High (7)	1778.5 (132657)	22.16	22.17	22.18	19.51

		1745 (132322)	22.13	22.25	22.14	19.50
		1711.5 (131987)	22.23	22.32	22.30	19.48
	8RB-Middle (4)	1778.5 (132657)	22.21	22.23	22.17	19.59
		1745 (132322)	22.16	22.29	22.15	19.56
		1711.5 (131987)	22.21	22.25	22.19	19.44
	8RB-Low (0)	1778.5 (132657)	22.14	22.22	22.15	19.55
		1745 (132322)	22.19	22.22	22.19	19.57
		1711.5 (131987)	22.20	22.27	22.28	19.58
	15RB (0)	1778.5 (132657)	22.18	22.15	22.15	19.55
		1745 (132322)	22.22	22.19	22.18	19.45
		1711.5 (131987)	22.18	22.15	22.20	19.51
5MHz	1RB-High (24)	1777.5 (132647)	22.10	22.41	22.17	19.56
		1745 (132322)	22.06	22.56	22.13	19.45
		1712.5 (131997)	22.11	22.48	22.31	19.61
	1RB-Middle (12)	1777.5 (132647)	22.17	22.56	22.27	19.52
		1745 (132322)	22.12	22.46	22.33	19.55
		1712.5 (131997)	22.25	22.43	22.32	19.47
	1RB-Low (0)	1777.5 (132647)	22.04	22.45	22.33	19.57
		1745 (132322)	22.07	22.54	22.26	19.54
		1712.5 (131997)	22.08	22.42	22.17	19.60
	12RB-High (13)	1777.5 (132647)	22.22	22.28	22.11	19.51
		1745 (132322)	22.14	22.12	22.15	19.46
		1712.5 (131997)	22.16	22.25	22.19	19.56
	12RB-Middle (6)	1777.5 (132647)	22.22	22.19	22.21	19.49
		1745 (132322)	22.16	22.20	22.28	19.54
		1712.5 (131997)	22.20	22.26	22.24	19.48
	12RB-Low (0)	1777.5 (132647)	22.12	22.17	22.11	19.45
		1745 (132322)	22.15	22.15	22.18	19.45
		1712.5 (131997)	22.17	22.24	22.22	19.48
	25RB (0)	1777.5 (132647)	22.16	22.11	22.20	19.45
		1745 (132322)	22.20	22.12	22.11	19.45
		1712.5 (131997)	22.17	22.18	22.24	19.50
10MHz	1RB-High (49)	1775 (132622)	22.13	22.41	22.16	19.58
		1745 (132322)	22.17	22.32	22.21	19.54
		1715 (132022)	22.09	22.46	22.31	19.52

	1RB-Middle (24)	1775 (132622)	22.12	22.58	22.35	19.57
		1745 (132322)	22.15	22.48	22.20	19.44
		1715 (132022)	22.23	22.41	22.25	19.52
	1RB-Low (0)	1775 (132622)	22.10	22.49	22.25	19.52
		1745 (132322)	22.04	22.40	22.22	19.52
		1715 (132022)	22.15	22.38	22.29	19.57
	25RB-High (25)	1775 (132622)	22.19	22.16	22.19	19.57
		1745 (132322)	22.17	22.14	22.15	19.54
		1715 (132022)	22.20	22.16	22.24	19.51
	25RB-Middle (12)	1775 (132622)	22.07	22.09	22.12	19.55
		1745 (132322)	22.17	22.21	22.15	19.50
		1715 (132022)	22.17	22.20	22.28	19.46
	25RB-Low (0)	1775 (132622)	22.13	22.19	22.05	19.57
		1745 (132322)	22.06	22.03	22.07	19.53
		1715 (132022)	22.19	22.17	22.09	19.52
	50RB (0)	1775 (132622)	22.13	22.14	22.09	19.61
		1745 (132322)	22.17	22.16	22.13	19.58
		1715 (132022)	22.21	22.20	22.19	19.47
15MHz	1RB-High (74)	1772.5 (132597)	21.88	22.19	22.11	19.47
		1745 (132322)	22.00	22.20	22.00	19.58
		1717.5 (132047)	22.09	22.26	22.21	19.50
	1RB-Middle (37)	1772.5 (132597)	21.90	22.14	21.98	19.58
		1745 (132322)	21.89	22.23	21.87	19.54
		1717.5 (132047)	21.93	22.07	21.91	19.56
	1RB-Low (0)	1772.5 (132597)	21.88	22.38	22.09	19.59
		1745 (132322)	21.94	22.09	21.98	19.56
		1717.5 (132047)	22.04	22.58	22.01	19.46
	36RB-High (38)	1772.5 (132597)	22.09	22.06	22.07	19.51
		1745 (132322)	22.00	22.05	22.02	19.47
		1717.5 (132047)	22.11	22.15	22.07	19.61
	36RB-Middle (19)	1772.5 (132597)	21.91	22.00	21.99	19.47
		1745 (132322)	22.06	22.02	22.03	19.53
		1717.5 (132047)	22.04	22.08	22.07	19.54
	36RB-Low (0)	1772.5 (132597)	22.02	21.93	22.02	19.50
		1745 (132322)	21.94	22.03	21.91	19.47
		1717.5 (132047)	22.02	22.06	22.15	19.54

	75RB (0)	1772.5 (132597)	21.99	21.91	21.93	19.51
		1745 (132322)	22.02	22.10	22.00	19.53
		1717.5 (132047)	22.02	22.04	22.04	19.50
20MHz	1RB-High (99)	1770 (132572)	21.85	22.17	21.88	19.54
		1745 (132322)	21.98	22.29	22.24	19.56
		1720 (132072)	22.04	22.32	22.13	19.50
	1RB-Middle (50)	1770 (132572)	22.00	22.11	22.07	19.52
		1745 (132322)	22.02	22.17	22.04	19.45
		1720 (132072)	22.03	22.43	22.16	19.45
	1RB-Low (0)	1770 (132572)	21.85	22.25	22.14	19.57
		1745 (132322)	22.08	22.22	22.10	19.53
		1720 (132072)	22.05	22.28	22.03	19.57
	50RB-High (50)	1770 (132572)	22.02	22.00	22.04	19.52
		1745 (132322)	22.07	21.99	21.57	19.57
		1720 (132072)	22.06	22.04	21.57	19.57
	50RB-Middle (25)	1770 (132572)	21.92	21.96	21.98	19.59
		1745 (132322)	22.05	22.04	21.52	19.47
		1720 (132072)	21.96	22.04	21.61	19.54
	50RB-Low (0)	1770 (132572)	21.98	21.92	21.92	19.51
		1745 (132322)	21.96	21.92	21.47	19.59
		1720 (132072)	22.02	22.06	21.55	19.55
	100RB (0)	1770 (132572)	22.04	21.95	21.97	19.48
		1745 (132322)	22.04	22.00	21.57	19.61
		1720 (132072)	22.08	22.05	21.50	19.52

LTE B71 ANT0 DSI14/1/2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	695.5 (133447)	23.71	23.02	21.70	19.02
		680.5 (133297)	23.64	23.13	22.16	19.26
		665.5 (133147)	24.01	23.12	22.24	19.00
	1RB-Middle (12)	695.5 (133447)	24.03	23.14	22.08	19.29
		680.5 (133297)	23.91	23.17	22.30	19.08
		665.5 (133147)	24.03	23.53	22.10	19.19
	1RB-Low (0)	695.5 (133447)	24.18	23.33	22.67	19.22
		680.5 (133297)	23.83	23.27	22.36	19.30

	12RB-High (13)	665.5 (133147)	23.92	23.35	22.41	19.18
		695.5 (133447)	22.98	22.09	20.94	19.15
		680.5 (133297)	22.85	22.00	20.90	19.25
		665.5 (133147)	23.09	21.94	21.23	19.27
	12RB-Middle (6)	695.5 (133447)	22.96	22.12	21.02	19.18
		680.5 (133297)	23.04	22.16	21.18	19.18
		665.5 (133147)	23.12	22.27	21.15	19.33
	12RB-Low (0)	695.5 (133447)	23.14	22.04	21.27	19.07
		680.5 (133297)	23.11	22.04	21.09	19.18
		665.5 (133147)	23.23	22.15	21.11	19.19
	25RB (0)	695.5 (133447)	22.94	22.25	20.77	19.16
		680.5 (133297)	22.79	22.11	20.83	19.22
		665.5 (133147)	23.01	22.15	21.04	19.35
10MHz	1RB-High (49)	693 (133422)	23.79	23.05	21.80	19.13
		680.5 (133297)	23.87	23.19	21.97	19.08
		668 (133172)	23.82	23.30	22.37	19.09
	1RB-Middle (24)	693 (133422)	23.97	22.93	21.95	19.21
		680.5 (133297)	24.04	23.17	22.14	19.22
		668 (133172)	24.20	23.37	22.07	19.08
	1RB-Low (0)	693 (133422)	24.23	23.30	22.78	19.27
		680.5 (133297)	24.00	23.31	22.29	19.27
		668 (133172)	23.85	23.14	22.42	19.32
	25RB-High (25)	693 (133422)	22.88	22.08	20.93	19.19
		680.5 (133297)	22.87	22.03	20.94	19.35
		668 (133172)	22.88	21.99	21.21	19.30
	25RB-Middle (12)	693 (133422)	23.07	22.06	21.03	19.27
		680.5 (133297)	23.03	22.13	21.09	19.21
		668 (133172)	23.00	22.28	20.98	19.31
	25RB-Low (0)	693 (133422)	22.99	21.96	21.09	19.01
		680.5 (133297)	23.01	22.07	21.13	19.22
		668 (133172)	22.99	21.94	21.08	19.13
	50RB (0)	693 (133422)	22.90	22.03	20.75	19.20
		680.5 (133297)	22.97	22.04	20.88	19.20
		668 (133172)	22.98	22.31	21.14	19.39
15MHz	1RB-High (74)	690.5 (133397)	23.66	22.92	21.67	19.12
		680.5 (133297)	23.73	23.21	22.07	19.19
		670.5 (133197)	23.93	23.17	22.21	19.10
	1RB-Middle (37)	690.5 (133397)	23.93	23.10	22.01	19.26

		680.5 (133297)	23.89	23.16	22.21	19.18
		670.5 (133197)	24.10	23.48	22.11	19.23
	1RB-Low (0)	690.5 (133397)	24.18	23.31	22.71	19.21
		680.5 (133297)	23.84	23.23	22.27	19.28
		670.5 (133197)	23.95	23.25	22.38	19.21
	36RB-High (38)	690.5 (133397)	23.08	22.06	21.01	19.19
		680.5 (133297)	22.83	22.04	20.93	19.26
		670.5 (133197)	22.99	21.91	21.17	19.28
	36RB-Middle (19)	690.5 (133397)	22.97	22.11	21.09	19.23
		680.5 (133297)	22.99	22.10	21.18	19.18
		670.5 (133197)	23.10	22.22	21.09	19.30
	36RB-Low (0)	690.5 (133397)	23.07	22.11	21.18	19.16
		680.5 (133297)	23.15	22.08	21.10	19.24
		670.5 (133197)	23.14	22.10	21.07	19.25
	75RB (0)	690.5 (133397)	22.89	22.19	20.84	19.09
		680.5 (133297)	22.89	22.07	20.89	19.17
		670.5 (133197)	22.99	22.23	21.14	19.26
20MHz	1RB-High (99)	688 (133372)	23.73	22.96	21.73	19.20
		683 (133322)	23.80	23.16	22.02	19.14
		673 (133222)	23.91	23.22	22.27	19.15
	1RB-Middle (50)	688 (133372)	24.00	23.02	21.93	19.27
		683 (133322)	24.21	23.26	22.18	19.18
		673 (133222)	24.10	23.39	22.09	19.15
	1RB-Low (0)	688 (133372)	24.13	23.36	22.68	19.31
		683 (133322)	23.92	23.27	22.29	19.24
		673 (133222)	23.88	23.16	22.33	19.30
	50RB-High (50)	688 (133372)	22.98	21.98	20.95	19.16
		683 (133322)	22.92	21.97	20.87	19.31
		673 (133222)	22.98	22.00	21.17	19.30
	50RB-Middle (25)	688 (133372)	23.06	22.14	21.10	19.27
		683 (133322)	23.08	22.07	21.10	19.17
		673 (133222)	23.02	22.20	21.01	19.28
	50RB-Low (0)	688 (133372)	23.04	22.03	21.08	19.11
		683 (133322)	23.06	22.04	21.13	19.21
		673 (133222)	23.05	22.00	21.02	19.22
	100RB (0)	688 (133372)	22.83	22.11	20.82	19.15
		683 (133322)	22.95	22.03	20.92	19.15
		673 (133222)	23.07	22.29	21.10	19.30

LTE B71 ANT3 DSI14/1

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	695.5 (133447)	23.78	22.90	21.53	19.37
		680.5 (133297)	23.57	23.19	21.67	19.49
		665.5 (133147)	23.72	22.99	22.23	19.41
	1RB-Middle (12)	695.5 (133447)	23.88	23.00	22.02	19.56
		680.5 (133297)	23.83	23.22	21.80	19.50
		665.5 (133147)	23.90	23.11	21.83	19.54
	1RB-Low (0)	695.5 (133447)	23.87	23.23	21.80	19.37
		680.5 (133297)	23.76	23.21	21.83	19.51
		665.5 (133147)	23.88	23.18	22.12	19.57
	12RB-High (13)	695.5 (133447)	22.77	21.86	20.81	19.65
		680.5 (133297)	22.64	21.83	20.85	19.43
		665.5 (133147)	22.83	21.85	21.08	19.41
	12RB-Middle (6)	695.5 (133447)	22.95	22.01	21.04	19.54
		680.5 (133297)	22.88	21.94	20.85	19.37
		665.5 (133147)	22.95	21.92	21.06	19.60
	12RB-Low (0)	695.5 (133447)	22.78	21.94	20.93	19.48
		680.5 (133297)	23.07	21.86	20.98	19.44
		665.5 (133147)	22.91	22.04	21.00	19.59
	25RB (0)	695.5 (133447)	22.77	21.70	20.82	19.78
		680.5 (133297)	22.88	21.86	20.99	19.82
		665.5 (133147)	22.96	22.00	21.22	19.47
10MHz	1RB-High (49)	693 (133422)	23.51	22.90	21.62	19.51
		680.5 (133297)	23.75	23.38	21.64	19.52
		668 (133172)	23.84	23.06	22.24	19.42
	1RB-Middle (24)	693 (133422)	23.94	23.03	21.98	19.44
		680.5 (133297)	23.86	23.10	21.94	19.54
		668 (133172)	23.84	23.00	21.80	19.59
	1RB-Low (0)	693 (133422)	23.81	23.17	21.98	19.43
		680.5 (133297)	23.88	23.01	21.80	19.61
		668 (133172)	23.86	23.09	22.03	19.64
	25RB-High (25)	693 (133422)	22.84	21.74	20.88	19.71
		680.5 (133297)	22.70	21.75	20.89	19.45

	25RB-Middle (12)	668 (133172)	22.89	21.80	20.88	19.40
		693 (133422)	23.04	21.96	20.92	19.53
		680.5 (133297)	22.90	21.94	20.92	19.53
		668 (133172)	22.94	22.10	20.98	19.55
	25RB-Low (0)	693 (133422)	22.93	21.96	20.96	19.49
		680.5 (133297)	22.92	22.01	21.03	19.43
		668 (133172)	22.98	21.89	20.85	19.61
	50RB (0)	693 (133422)	22.90	21.83	20.65	19.73
		680.5 (133297)	22.84	21.91	20.95	19.66
		668 (133172)	23.05	21.91	21.14	19.47
15MHz	1RB-High (74)	690.5 (133397)	23.69	22.81	21.63	19.42
		680.5 (133297)	23.65	23.23	21.75	19.50
		670.5 (133197)	23.82	23.02	22.14	19.38
	1RB-Middle (37)	690.5 (133397)	23.87	23.07	22.02	19.59
		680.5 (133297)	23.76	23.17	21.90	19.51
		670.5 (133197)	23.90	23.03	21.81	19.63
	1RB-Low (0)	690.5 (133397)	23.83	23.20	21.84	19.34
		680.5 (133297)	23.86	23.21	21.77	19.59
		670.5 (133197)	23.82	23.08	22.08	19.60
	36RB-High (38)	690.5 (133397)	22.85	21.78	20.91	19.73
		680.5 (133297)	22.72	21.90	20.90	19.35
		670.5 (133197)	22.82	21.95	21.01	19.38
	36RB-Middle (19)	690.5 (133397)	22.91	22.01	20.97	19.59
		680.5 (133297)	22.83	21.85	20.85	19.42
		670.5 (133197)	22.97	21.96	21.05	19.55
	36RB-Low (0)	690.5 (133397)	22.82	21.84	20.96	19.46
		680.5 (133297)	22.98	21.95	21.00	19.43
		670.5 (133197)	22.84	21.94	20.97	19.68
	75RB (0)	690.5 (133397)	22.75	21.79	20.84	19.73
		680.5 (133297)	22.81	21.84	20.97	19.73
		670.5 (133197)	22.93	21.90	21.24	19.56
20MHz	1RB-High (99)	688 (133372)	23.60	22.89	21.70	19.49
		683 (133322)	23.73	23.29	21.74	19.51
		673 (133222)	23.75	23.06	22.15	19.48
	1RB-Middle (50)	688 (133372)	23.84	23.07	22.00	19.51

		683 (133322)	23.93	23.09	21.91	19.60
		673 (133222)	23.90	22.98	21.76	19.63
	1RB-Low (0)	688 (133372)	23.85	23.23	21.93	19.44
		683 (133322)	23.78	23.11	21.86	19.60
		673 (133222)	23.85	23.14	22.10	19.57
	50RB-High (50)	688 (133372)	22.78	21.79	20.85	19.65
		683 (133322)	22.77	21.81	20.91	19.45
		673 (133222)	22.89	21.89	20.92	19.44
	50RB-Middle (25)	688 (133372)	22.96	21.98	20.93	19.59
		683 (133322)	23.09	21.87	20.87	19.48
		673 (133222)	23.00	22.04	20.98	19.59
	50RB-Low (0)	688 (133372)	22.92	21.89	21.03	19.56
		683 (133322)	22.96	22.02	20.94	19.53
		673 (133222)	22.94	21.94	20.95	19.62
	100RB (0)	688 (133372)	22.85	21.84	20.74	19.63
		683 (133322)	22.85	21.88	20.92	19.65
		673 (133222)	22.96	21.91	21.14	19.54

LTE B71 ANT3 DSI2

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	695.5 (133447)	22.37	22.51	22.85	18.78
		680.5 (133297)	22.69	22.68	22.42	18.79
		665.5 (133147)	22.55	22.86	22.62	18.67
	1RB-Middle (12)	695.5 (133447)	22.59	22.58	22.52	18.71
		680.5 (133297)	22.69	22.84	22.75	18.72
		665.5 (133147)	22.71	22.85	22.75	18.79
	1RB-Low (0)	695.5 (133447)	22.51	22.76	22.85	18.69
		680.5 (133297)	22.57	22.79	22.75	18.74
		665.5 (133147)	22.78	22.90	23.17	18.74
	12RB-High (13)	695.5 (133447)	22.44	21.87	21.70	18.80
		680.5 (133297)	22.56	21.84	21.80	18.81
		665.5 (133147)	22.65	21.79	21.81	18.81
	12RB-Middle (6)	695.5 (133447)	22.67	21.68	21.73	18.84
		680.5 (133297)	22.79	21.90	21.86	18.70
		665.5 (133147)	22.69	21.89	21.84	18.75
	12RB-Low (0)	695.5 (133447)	22.70	21.87	21.78	18.71

	25RB (0)	680.5 (133297)	22.79	21.89	21.73	18.71
		665.5 (133147)	22.74	21.75	21.87	18.80
		695.5 (133447)	22.71	21.83	21.70	18.81
		680.5 (133297)	22.83	21.97	21.92	18.71
		665.5 (133147)	22.89	22.08	22.23	18.68
10MHz	1RB-High (49)	693 (133422)	22.35	22.61	23.00	18.77
		680.5 (133297)	22.68	22.76	22.43	18.73
		668 (133172)	22.54	22.87	22.71	18.84
	1RB-Middle (24)	693 (133422)	22.61	22.62	22.50	18.68
		680.5 (133297)	22.85	22.88	22.80	18.73
		668 (133172)	22.63	22.72	22.64	18.76
	1RB-Low (0)	693 (133422)	22.60	22.82	22.85	18.71
		680.5 (133297)	22.79	22.76	22.61	18.68
		668 (133172)	22.74	22.97	22.91	18.78
	25RB-High (25)	693 (133422)	22.71	21.72	21.76	18.83
		680.5 (133297)	22.56	21.63	21.75	18.81
		668 (133172)	22.75	21.91	21.83	18.66
	25RB-Middle (12)	693 (133422)	22.66	21.82	21.73	18.75
		680.5 (133297)	22.77	21.80	21.92	18.70
		668 (133172)	22.80	21.83	21.83	18.71
	25RB-Low (0)	693 (133422)	22.68	21.80	21.78	18.71
		680.5 (133297)	22.74	21.86	21.73	18.79
		668 (133172)	22.66	21.97	21.89	18.72
	50RB (0)	693 (133422)	22.60	22.00	21.75	18.83
		680.5 (133297)	22.66	21.95	21.96	18.72
		668 (133172)	23.01	22.08	22.10	18.67
15MHz	1RB-High (74)	690.5 (133397)	22.36	22.58	22.86	18.77
		680.5 (133297)	22.62	22.77	22.41	18.71
		670.5 (133197)	22.56	22.86	22.59	18.76
	1RB-Middle (37)	690.5 (133397)	22.63	22.63	22.49	18.81
		680.5 (133297)	22.66	22.88	22.73	18.71
		670.5 (133197)	22.75	22.83	22.79	18.82
	1RB-Low (0)	690.5 (133397)	22.58	22.85	22.87	18.70
		680.5 (133297)	22.66	22.81	22.70	18.71
		670.5 (133197)	22.72	22.96	23.10	18.78

	36RB-High (38)	690.5 (133397)	22.51	21.86	21.70	18.76
		680.5 (133297)	22.60	21.76	21.72	18.80
		670.5 (133197)	22.72	21.80	21.72	18.78
	36RB-Middle (19)	690.5 (133397)	22.66	21.75	21.71	18.76
		680.5 (133297)	22.76	21.81	21.79	18.66
		670.5 (133197)	22.70	21.97	21.89	18.77
	36RB-Low (0)	690.5 (133397)	22.63	21.89	21.68	18.77
		680.5 (133297)	22.78	21.93	21.83	18.74
		670.5 (133197)	22.66	21.79	21.93	18.82
	75RB (0)	690.5 (133397)	22.67	21.83	21.72	18.81
		680.5 (133297)	22.73	21.96	21.89	18.77
		670.5 (133197)	22.97	22.00	22.13	18.70
20MHz	1RB-High (99)	688 (133372)	22.45	22.51	22.95	18.76
		683 (133322)	22.61	22.79	22.51	18.80
		673 (133222)	22.63	22.85	22.65	18.80
	1RB-Middle (50)	688 (133372)	22.64	22.69	22.51	18.78
		683 (133322)	22.75	22.88	22.70	18.76
		673 (133222)	22.73	22.76	22.69	18.68
	1RB-Low (0)	688 (133372)	22.67	22.91	22.79	18.76
		683 (133322)	22.69	22.80	22.69	18.66
		673 (133222)	22.71	22.94	23.00	18.66
	50RB-High (50)	688 (133372)	22.61	21.76	21.77	18.83
		683 (133322)	22.57	21.73	21.74	18.77
		673 (133222)	22.67	21.83	21.82	18.69
	50RB-Middle (25)	688 (133372)	22.72	21.83	21.80	18.66
		683 (133322)	22.77	21.89	21.83	18.68
		673 (133222)	22.72	21.88	21.88	18.78
	50RB-Low (0)	688 (133372)	22.71	21.86	21.75	18.78
		683 (133322)	22.70	21.85	21.83	18.82
		673 (133222)	22.75	21.87	21.89	18.72
	100RB (0)	688 (133372)	22.64	21.91	21.79	18.81
		683 (133322)	22.73	21.98	21.93	18.72
		673 (133222)	22.97	22.02	22.04	18.82

LTE Carrier Aggregation Conducted Power (Uplink)

41C ANT3

UL LTE CA Class	PCC				SCC				Power
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power (dBm)
CA_41C	20M	41490	1	99	20M	41292	1	0	19.01
CA_41C	20M	41490	1	99	15M	41319	1	0	18.96
CA_41C	20M	41490	1	99	10M	41346	1	0	18.99
CA_41C	20M	41490	1	99	5M	41373	1	0	18.98
CA_41C	20M	39750	1	99	5M	39867	1	0	24.48
CA_41C	20M	39750	1	99	20M	39948	1	0	24.42
CA_41C	20M	39750	1	99	15M	39921	1	0	24.41
CA_41C	20M	39750	1	99	10M	39894	1	0	24.49
CA_41C	15M	41515	1	74	15M	41365	1	0	19.06
CA_41C	15M	41515	1	74	10M	41395	1	0	19.01
CA_41C	15M	39725	1	74	10M	39845	1	0	24.45
CA_41C	20M	41490	1	0	20M	41292	1	99	24.46
CA_41C	20M	41490	1	0	15M	41319	1	74	24.41
CA_41C	20M	41490	1	0	10M	41346	1	49	24.36
CA_41C	20M	39750	1	0	5M	39867	1	24	19.03
CA_41C	20M	41490	1	0	5M	41373	1	24	24.46
CA_41C	20M	39750	1	0	20M	39948	1	99	18.97
CA_41C	20M	39750	1	0	15M	39921	1	74	18.94
CA_41C	20M	39750	1	0	10M	39894	1	49	19.07
CA_41C	15M	41515	1	0	15M	41365	1	74	24.33
CA_41C	15M	41515	1	0	10M	41395	1	49	24.28
CA_41C	15M	39725	1	0	10M	39845	1	49	18.98

41C ANT1

UL LTE CA Class	PCC				SCC				Power
	PCC Bandwidth	channel	RB	RB OFFSET	SCC Bandwidth	channel	RB	RB OFFSET	conducted power (dBm)
CA_41C	20M	41490	1	99	20M	41292	1	0	18.54
CA_41C	20M	41490	1	99	15M	41319	1	0	18.46
CA_41C	20M	41490	1	99	10M	41346	1	0	18.48
CA_41C	20M	41490	1	99	5M	41373	1	0	18.48
CA_41C	20M	39750	1	99	5M	39867	1	0	21.84
CA_41C	20M	39750	1	99	20M	39948	1	0	21.77
CA_41C	20M	39750	1	99	15M	39921	1	0	21.78
CA_41C	20M	39750	1	99	10M	39894	1	0	21.82
CA_41C	15M	41515	1	74	15M	41365	1	0	18.53
CA_41C	15M	41515	1	74	10M	41395	1	0	18.56
CA_41C	15M	39725	1	74	10M	39845	1	0	24.69
CA_41C	20M	41490	1	0	20M	41292	1	99	25.07
CA_41C	20M	41490	1	0	15M	41319	1	74	25.02
CA_41C	20M	41490	1	0	10M	41346	1	49	25.06
CA_41C	20M	39750	1	0	5M	39867	1	24	18.28
CA_41C	20M	41490	1	0	5M	41373	1	24	25.04
CA_41C	20M	39750	1	0	20M	39948	1	99	18.31
CA_41C	20M	39750	1	0	15M	39921	1	74	18.27
CA_41C	20M	39750	1	0	10M	39894	1	49	18.33
CA_41C	15M	41515	1	0	15M	41365	1	74	25.08
CA_41C	15M	41515	1	0	10M	41395	1	49	25.13
CA_41C	15M	39725	1	0	10M	39845	1	49	18.29

11.4 NR 5G Measurement result

Hotspot	Receiver on Standalone	receiver on+WLAN	sensor on Standalone ANT0/1	sensor on Standalone ANT3
DSI 1	DSI 2	DSI 3	DSI 4	DSI 5
sensor on Standalone ANT4	sensor on +WLAN ANT0/1	sensor on +WLAN ANT3	sensor on +WLAN ANT4	sensor off
DSI 6	DSI 9	DSI 10	DSI 11	DSI 14

Maximum Power Reduction (MPR) for NR (power class 3)

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		$\leq 0.5^2$		0^2
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM		≤ 2.5	
CP-OFDM	256 QAM		≤ 4.5	
	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM		≤ 3.5	
	256 QAM		≤ 6.5	

Maximum Power Reduction (MPR) for NR (power class 2)

N25 ANT1 DSI14/2

No.	Test Frequency	5G-n25							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1912.5	382500	23.61
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1882.5	376500	23.77
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1852.5	370500	23.75
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1905	381000	23.61
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1882.5	376500	23.72
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1860	372000	23.71
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1882.5	376500	23.62
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1882.5	376500	23.68
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1882.5	376500	22.14
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1882.5	376500	20.09
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1882.5	376500	23.74
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1882.5	376500	22.87
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1882.5	376500	21.45
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1882.5	376500	18.06
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1882.5	376500	23.67
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1882.5	376500	23.60
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1882.5	376500	23.69
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1882.5	376500	23.67
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1882.5	376500	23.73
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1882.5	376500	23.70
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1882.5	376500	23.67
16	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1910	382000	23.65
17	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1855	371000	23.66
18	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1907.5	381500	23.62
19	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1882.5	376500	23.67
20	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1857.5	371500	23.73

N25 ANT1 DSI1

No.	Test Freq Description	5G-n25							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1912.5	382500	20.73
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1882.5	376500	20.89
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1852.5	370500	20.85
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1905	381000	20.73
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1882.5	376500	20.82
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1860	372000	20.82
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1882.5	376500	20.76
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1882.5	376500	20.88
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1882.5	376500	20.88
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1882.5	376500	20.22
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1882.5	376500	20.85
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1882.5	376500	20.86
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1882.5	376500	20.84
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1882.5	376500	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1882.5	376500	22.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1882.5	376500	22.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1882.5	376500	22.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1882.5	376500	22.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1882.5	376500	22.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1882.5	376500	22.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1882.5	376500	22.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1910	382000	22.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1882.5	376500	22.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1855	371000	22.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1907.5	381500	22.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1882.5	376500	22.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1857.5	371500	22.00

N25 ANT1 DSI4

No.	Test Freq Description	5G-n25							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1912.5	382500	21.45
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1882.5	376500	21.60
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1852.5	370500	21.58
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1905	381000	21.45
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1882.5	376500	21.55
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1860	372000	21.55
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1882.5	376500	21.46
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1882.5	376500	21.52
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1882.5	376500	21.25
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1882.5	376500	20.1
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1882.5	376500	21.55
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1882.5	376500	21.38
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1882.5	376500	21.49
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1882.5	376500	19.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1882.5	376500	23.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1882.5	376500	23.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1882.5	376500	23.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1882.5	376500	23.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1882.5	376500	23.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1882.5	376500	23.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1882.5	376500	23.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1910	382000	23.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1882.5	376500	23.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1855	371000	23.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1907.5	381500	23.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1882.5	376500	23.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1857.5	371500	23.00

N25 ANT3 DSI14

No.	Test Freq Description	5G-n25							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1912.5	382500	24.15
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1882.5	376500	24.41
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1852.5	370500	24.15
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1905	381000	24.13
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1882.5	376500	24.16
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1860	372000	24.18
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1882.5	376500	24.12
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1882.5	376500	24.13
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1882.5	376500	22.61
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1882.5	376500	20.52
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1882.5	376500	24.34
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1882.5	376500	23.48
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1882.5	376500	21.84
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1882.5	376500	18.67
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1882.5	376500	24.13
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1882.5	376500	24.19
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1882.5	376500	24.16
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1882.5	376500	24.17
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1882.5	376500	24.13
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1882.5	376500	24.18
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1882.5	376500	24.19
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1910	382000	24.20
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1882.5	376500	24.19
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1855	371000	24.14
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1907.5	381500	24.15
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1882.5	376500	24.19
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1857.5	371500	24.19

N25 ANT3 DSI1

No.	Test Freq Description	5G-n25							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1912.5	382500	19.68
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1882.5	376500	19.83
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1852.5	370500	19.66
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1905	381000	19.70
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1882.5	376500	19.74
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1860	372000	19.67
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1882.5	376500	19.65
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1882.5	376500	19.79
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1882.5	376500	19.82
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1882.5	376500	19.27
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1882.5	376500	19.76
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1882.5	376500	19.75
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1882.5	376500	19.81
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1882.5	376500	18.34
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1882.5	376500	19.68
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1882.5	376500	19.73
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1882.5	376500	19.70
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1882.5	376500	19.75
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1882.5	376500	19.74
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1882.5	376500	19.73
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1882.5	376500	19.71
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1910	382000	19.74
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1882.5	376500	19.70
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1855	371000	19.68
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1907.5	381500	19.76
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1882.5	376500	19.72
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1857.5	371500	19.74

N25 ANT3 DSI2

No.	Test Freq Description	5G-n25							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1912.5	382500	17.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1882.5	376500	17.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1852.5	370500	17.00
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1905	381000	17.00
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1882.5	376500	17.00
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1860	372000	17.00
1	Middle	15	5	DFT-s-OFDM Pi/2 BPSK1	Inner Full	12 6	1882.5	376500	17.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1882.5	376500	17.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1882.5	376500	17.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1882.5	376500	17.00
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1882.5	376500	17.00
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1882.5	376500	17.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1882.5	376500	17.00
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1882.5	376500	17.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1882.5	376500	17.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1882.5	376500	17.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1882.5	376500	17.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1882.5	376500	17.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1882.5	376500	17.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1882.5	376500	17.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1882.5	376500	17.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1910	382000	17.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1882.5	376500	17.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1855	371000	17.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1907.5	381500	17.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1882.5	376500	17.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1857.5	371500	17.00

N25 ANT3 DSI5

No.	Test Freq Description	5G-n25							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1912.5	382500	23.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1882.5	376500	23.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1852.5	370500	23.00
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1905	381000	23.00
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1882.5	376500	23.00
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1860	372000	23.00
1	Middle	15	5	DFT-s-OFDM Pi/2 BPSK1	Inner Full	12 6	1882.5	376500	23.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1882.5	376500	23.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1882.5	376500	23.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1882.5	376500	21.50
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1882.5	376500	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1882.5	376500	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1882.5	376500	23.00
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1882.5	376500	20.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1882.5	376500	23.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1882.5	376500	23.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1882.5	376500	23.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1882.5	376500	23.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1882.5	376500	23.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1882.5	376500	23.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1882.5	376500	23.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1910	382000	23.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1882.5	376500	23.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1855	371000	23.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1907.5	381500	23.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1882.5	376500	23.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1857.5	371500	23.00

N41 ANT3 DSI1

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	21.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	21.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	21.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	21.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	21.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	21.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	21.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	21.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	21.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	21.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	21.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	21.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	21.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	21.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	21.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	21.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	21.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	21.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	21.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	21.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	21.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	21.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	21.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	21.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	21.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	21.00
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	21.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	21.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	21.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	21.00

N41 ANT3 DSI2

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	18.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	18.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	18.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	18.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	18.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	18.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	18.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	18.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	18.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	18.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	18.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	18.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	18.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	18.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	18.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	18.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	18.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	18.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	18.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	18.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	18.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	18.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	18.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	18.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	18.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	18.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	18.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	18.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	18.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	18.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	18.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	18.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	18.00

N41 ANT3 DSI3

No.	Test Freq Description	5G-n41							Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	17.00	15.12
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	17.00	15.09
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	17.00	15.24
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	17.00	15.21
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	17.00	15.16
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	17.00	15.10
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	17.00	15.22
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	17.00	15.23
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	17.00	15.15
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	17.00	15.22
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	17.00	15.24
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	17.00	15.23
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	17.00	15.22
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	17.00	15.14
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	17.00	15.23
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	17.00	15.22
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	17.00	15.23
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	17.00	15.22
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	17.00	15.16
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	17.00	15.19
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	17.00	15.19
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	17.00	15.12
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	17.00	15.16
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	17.00	15.09
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	17.00	15.17
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	17.00	15.22
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	17.00	15.03
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	17.00	15.05
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	17.00	15.20
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	17.00	15.22
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	17.00	15.23
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	17.00	15.21
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	17.00	15.16

N41 ANT3 DSI5

No.	Test Freq Description	5G-n41							Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	22.00	20.13
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	22.00	20.09
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	22.00	20.29
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	22.00	20.25
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	22.00	20.18
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	22.00	20.10
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	22.00	20.26
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	22.00	20.27
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	22.00	20.16
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	22.00	20.26
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	22.00	20.23
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	22.00	20.25
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	22.00	20.24
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	22.00	20.21
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	22.00	20.22
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	22.00	20.24
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	22.00	20.25
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	22.00	20.03
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	22.00	20.19
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	22.00	20.11
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	22.00	20.23
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	22.00	20.13
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	22.00	20.19
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	22.00	20.09
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	22.00	20.26
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	22.00	20.26
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	22.00	20.02
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	22.00	20.04
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	22.00	20.24
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	22.00	20.26
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	22.00	20.27
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	22.00	20.25
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	22.00	20.19

ULMIMO-N41 ANT3 DSI14

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	23.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	23.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	23.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	23.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	23.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	23.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	23.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	23.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	23.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	23.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	23.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	23.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	23.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	23.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	23.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	23.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	23.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	23.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	23.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	23.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	23.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	23.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	23.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	23.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	23.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	23.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	23.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	23.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	23.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	23.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	23.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	23.00

ULMIMO-N41 ANT3 DSI1

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	19.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	19.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	19.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	19.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	19.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	19.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	19.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	19.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	19.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	19.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	19.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	19.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	19.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	19.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	19.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	19.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	19.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	19.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	19.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	19.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	19.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	19.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	19.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	19.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	19.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	19.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	19.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	19.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	19.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	19.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	19.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	19.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	19.00

ULMIMO-N41 ANT3 DSI2

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	17.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	17.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	17.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	17.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	17.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	17.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	17.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	17.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	17.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	17.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	17.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	17.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	17.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	17.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	17.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	17.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	17.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	17.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	17.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	17.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	17.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	17.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	17.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	17.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	17.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	17.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	17.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	17.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	17.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	17.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	17.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	17.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	17.00

ULMIMO-N41 ANT3 DSI5

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	22.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	22.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	22.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	22.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	22.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	22.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	22.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	22.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	22.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	22.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	22.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	22.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	22.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	22.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	22.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	22.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	22.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	22.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	22.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	22.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	22.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	22.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	22.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	22.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	22.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	22.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	22.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	22.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	22.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	22.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	22.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	22.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	22.00

N41 ANT1 DSI1

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	21.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	21.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	21.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	21.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	21.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	21.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	21.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	21.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	21.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	21.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	21.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	21.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	21.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	21.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	21.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	21.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	21.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	21.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	21.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	21.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	21.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	21.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	21.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	21.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	21.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	21.00
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	21.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	21.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	21.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	21.00

N41 ANT1 DSI2

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	27.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	27.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	27.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	27.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	27.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	27.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	27.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	27.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	27.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	27.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	27.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	26.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	24.50
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	22.50
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	25.50
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	25.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	23.50
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	20.50
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	23.50
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	23.50
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	23.50
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	23.50
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	27.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	27.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	26.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	27.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	27.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	27.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	27.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	27.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	27.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	27.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	27.00

N41 ANT1 DSI5

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	24.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	24.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	24.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	24.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	24.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	24.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	24.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	24.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	24.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	24.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	24.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	24.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	24.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	24.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	24.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	24.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	24.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	24.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	24.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	24.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	24.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	24.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	24.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	24.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	24.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	24.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	24.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	24.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	24.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	24.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	24.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	24.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	24.00

ULMIMO-N41 ANT2 DSI1

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	21.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	21.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	21.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	21.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	21.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	21.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	21.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	21.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	21.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	21.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	21.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	21.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	21.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	21.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	21.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	21.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	21.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	21.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	21.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	21.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	21.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	21.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	21.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	21.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	21.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	21.00
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	21.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	21.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	21.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	21.00

ULMIMO-N41 ANT2 DSI2/5

No.	Test Freq Description	5G-n41							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2685	537000	23.00
2	Middle1	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2639	527799	23.00
3	Middle2	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2592.99	518598	23.00
4	Middle3	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2547	509400	23.00
5	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	2501.01	500202	23.00
6	High	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2640	528000	23.00
7	Middle1	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2616.495	523299	23.00
8	Middle2	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2592.99	518598	23.00
9	Middle3	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2569.5	513900	23.00
10	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135 67	2546.01	509202	23.00
1	Middle2	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	2592.99	518598	23.00
2	Middle2	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	2592.99	518598	23.00
3	Middle2	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	2592.99	518598	23.00
4	Middle2	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	2592.99	518598	23.00
5	Middle2	30	10	CP-OFDM QPSK	Inner Full	12 6	2592.99	518598	23.00
6	Middle2	30	10	CP-OFDM 16QAM	Inner Full	12 6	2592.99	518598	23.00
7	Middle2	30	10	CP-OFDM 64QAM	Inner Full	12 6	2592.99	518598	23.00
8	Middle2	30	10	CP-OFDM 256QAM	Inner Full	12 6	2592.99	518598	21.00
9	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	2592.99	518598	23.00
10	Middle	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	2592.99	518598	23.00
11	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	2592.99	518598	23.00
12	Middle	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	2592.99	518598	23.00
13	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	2592.99	518598	23.00
14	Middle	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	2592.99	518598	23.00
15	Middle	30	10	DFT-s-OFDM QPSK	Outer Full	25 0	2592.99	518598	23.00
16	Middle2	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	2592.99	518598	23.00
18	Middle2	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	2592.99	518598	23.00
19	Middle2	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	2592.99	518598	23.00
20	Middle2	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	2592.99	518598	23.00
21	Middle2	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	2592.99	518598	23.00
22	Middle2	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	2592.99	518598	23.00
23	Middle2	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	2592.99	518598	23.00
24	Middle2	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	2592.99	518598	23.00

N48 ANT4 DSI14

No.	Test Freq Description	5G-n48							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3690	646000	25.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3624.99	641666	25.00
3	Low	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3560.01	637334	25.00
4	High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3649.98	643332	25.00
5	Middle	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3624.99	641666	25.00
6	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3600	640000	25.00
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner Full	25-12	3624.99	641666	25.00
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner Full	25-12	3624.99	641666	25.00
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner Full	25-12	3624.99	641666	25.00
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner Full	25-12	3624.99	641666	25.00
5	Middle	30	20	CP-OFDM QPSK	Inner Full	25-12	3624.99	641666	25.00
6	Middle	30	20	CP-OFDM 16QAM	Inner Full	25-12	3624.99	641666	25.00
7	Middle	30	20	CP-OFDM 64QAM	Inner Full	25-12	3624.99	641666	25.00
8	Middle	30	20	CP-OFDM 256QAM	Inner Full	25-12	3624.99	641666	22.00
9	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Right	1-50	3624.99	641666	25.00
10	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Left	1-0	3624.99	641666	25.00
11	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Right	2-49	3624.99	641666	25.00
12	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Left	2-0	3624.99	641666	25.00
13	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Right	1-49	3624.99	641666	25.00
14	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Left	1-1	3624.99	641666	25.00
15	Middle	30	20	DFT-s-OFDM QPSK	Outer Full	50-0	3624.99	641666	25.00
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner Full	12-6	3624.99	641666	25.00
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner Full	18-9	3624.99	641666	25.00
19	Middle-5	30	30	DFT-s-OFDM QPSK	Inner Full	36-18	3624.99	641666	25.00
20	Middle-5	30	40	DFT-s-OFDM QPSK	Inner Full	50-25	3624.99	641666	25.00
21	Middle-5	30	50	DFT-s-OFDM QPSK	Inner Full	64-32	3624.99	641666	25.00
22	Middle-5	30	60	DFT-s-OFDM QPSK	Inner Full	81-40	3624.99	641666	25.00
23	Middle-5	30	70	DFT-s-OFDM QPSK	Inner Full	90-45	3624.99	641666	25.00
24	Middle-5	30	80	DFT-s-OFDM QPSK	Inner Full	108-54	3624.99	641666	25.00
25	Middle-5	30	90	DFT-s-OFDM QPSK	Inner Full	120-60	3624.99	641666	25.00

N48 ANT4 DSI1/5

No.	Test Freq Description	5G-n48								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	
1	High	30	20	DFT-s-OFDM QPSK	Inner	Full	25-12	3690	646000	21.40
2	Middle	30	20	DFT-s-OFDM QPSK	Inner	Full	25-12	3624.99	641666	21.53
3	Low	30	20	DFT-s-OFDM QPSK	Inner	Full	25-12	3560.01	637334	21.42
4	High	30	100	DFT-s-OFDM QPSK	Inner	Full	135-67	3649.98	643332	21.33
5	Middle	30	100	DFT-s-OFDM QPSK	Inner	Full	135-67	3624.99	641666	21.31
6	Low	30	100	DFT-s-OFDM QPSK	Inner	Full	135-67	3600	640000	21.34
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner	Full	25-12	3624.99	641666	21.41
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner	Full	25-12	3624.99	641666	21.43
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner	Full	25-12	3624.99	641666	21.46
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner	Full	25-12	3624.99	641666	21.38
5	Middle	30	20	CP-OFDM QPSK	Inner	Full	25-12	3624.99	641666	21.34
6	Middle	30	20	CP-OFDM 16QAM	Inner	Full	25-12	3624.99	641666	21.51
7	Middle	30	20	CP-OFDM 64QAM	Inner	Full	25-12	3624.99	641666	21.40
8	Middle	30	20	CP-OFDM 256QAM	Inner	Full	25-12	3624.99	641666	21.19
9	Middle	30	20	DFT-s-OFDM QPSK	Edge	1RB Right	1-50	3624.99	641666	21.42
10	Middle	30	20	DFT-s-OFDM QPSK	Edge	1RB Left	1-0	3624.99	641666	21.38
11	Middle	30	20	DFT-s-OFDM QPSK	Edge	Full Right	2-49	3624.99	641666	21.38
12	Middle	30	20	DFT-s-OFDM QPSK	Edge	Full Left	2-0	3624.99	641666	21.32
13	Middle	30	20	DFT-s-OFDM QPSK	Inner	1RB Right	1-49	3624.99	641666	21.41
14	Middle	30	20	DFT-s-OFDM QPSK	Inner	1RB Left	1-1	3624.99	641666	21.37
15	Middle	30	20	DFT-s-OFDM QPSK	Outer	Full	50-0	3624.99	641666	21.41
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner	Full	12-6	3624.99	641666	21.40
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner	Full	18-9	3624.99	641666	21.40
19	Middle-5	30	30	DFT-s-OFDM QPSK	Inner	Full	36-18	3624.99	641666	21.40
20	Middle-5	30	40	DFT-s-OFDM QPSK	Inner	Full	50-25	3624.99	641666	21.36
21	Middle-5	30	50	DFT-s-OFDM QPSK	Inner	Full	64-32	3624.99	641666	21.38
22	Middle-5	30	60	DFT-s-OFDM QPSK	Inner	Full	81-40	3624.99	641666	21.39
23	Middle-5	30	70	DFT-s-OFDM QPSK	Inner	Full	90-45	3624.99	641666	21.34
24	Middle-5	30	80	DFT-s-OFDM QPSK	Inner	Full	108-54	3624.99	641666	21.41
25	Middle-5	30	90	DFT-s-OFDM QPSK	Inner	Full	120-60	3624.99	641666	21.29

N48 ANT4 DSI2

No.	Test Freq Description	5G-n48								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation	NR Test Freq. (MHz)	NR Test CH.	Tune up		
1	High	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3690	646000	18.00	17.13
2	Middle	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3624.99	641666	18.00	17.23
3	Low	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3560.01	637334	18.00	17.15
4	High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3649.98	643332	18.00	17.08
5	Middle	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3624.99	641666	18.00	17.06
6	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3600	640000	18.00	17.09
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner Full	25-12	3624.99	641666	18.00	17.15
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner Full	25-12	3624.99	641666	18.00	17.16
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner Full	25-12	3624.99	641666	18.00	17.19
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner Full	25-12	3624.99	641666	18.00	17.16
5	Middle	30	20	CP-OFDM QPSK	Inner Full	25-12	3624.99	641666	18.00	17.11
6	Middle	30	20	CP-OFDM 16QAM	Inner Full	25-12	3624.99	641666	18.00	17.10
7	Middle	30	20	CP-OFDM 64QAM	Inner Full	25-12	3624.99	641666	18.00	17.12
8	Middle	30	20	CP-OFDM 256QAM	Inner Full	25-12	3624.99	641666	18.00	17.18
9	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Right	1-50	3624.99	641666	18.00	17.15
10	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Left	1-0	3624.99	641666	18.00	17.12
11	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Right	2-49	3624.99	641666	18.00	17.18
12	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Left	2-0	3624.99	641666	18.00	17.15
13	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Right	1-49	3624.99	641666	18.00	17.15
14	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Left	1-1	3624.99	641666	18.00	17.11
15	Middle	30	20	DFT-s-OFDM QPSK	Outer Full	50-0	3624.99	641666	18.00	17.15
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner Full	12-6	3624.99	641666	18.00	17.13
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner Full	18-9	3624.99	641666	18.00	17.13
19	Middle-5	30	30	DFT-s-OFDM QPSK	Inner Full	36-18	3624.99	641666	18.00	17.14
20	Middle-5	30	40	DFT-s-OFDM QPSK	Inner Full	50-25	3624.99	641666	18.00	17.10
21	Middle-5	30	50	DFT-s-OFDM QPSK	Inner Full	64-32	3624.99	641666	18.00	17.12
22	Middle-5	30	60	DFT-s-OFDM QPSK	Inner Full	81-40	3624.99	641666	18.00	17.12
23	Middle-5	30	70	DFT-s-OFDM QPSK	Inner Full	90-45	3624.99	641666	18.00	17.09
24	Middle-5	30	80	DFT-s-OFDM QPSK	Inner Full	108-54	3624.99	641666	18.00	17.15
25	Middle-5	30	90	DFT-s-OFDM QPSK	Inner Full	120-60	3624.99	641666	18.00	17.05

N48 ANT4 DSI3

No.	Test Freq Descriptio n	5G-n48								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation	NR Test Freq. (MHz)	NR Test CH.	Tune up		
1	High	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3690	646000	16.00	15.27
2	Middle	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3624.99	641666	16.00	15.36
3	Low	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3560.01	637334	16.00	15.29
4	High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3649.98	643332	16.00	15.23
5	Middle	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3624.99	641666	16.00	15.21
6	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3600	640000	16.00	15.24
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner Full	25-12	3624.99	641666	16.00	15.29
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner Full	25-12	3624.99	641666	16.00	15.30
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner Full	25-12	3624.99	641666	16.00	15.32
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner Full	25-12	3624.99	641666	16.00	15.30
5	Middle	30	20	CP-OFDM QPSK	Inner Full	25-12	3624.99	641666	16.00	15.25
6	Middle	30	20	CP-OFDM 16QAM	Inner Full	25-12	3624.99	641666	16.00	15.24
7	Middle	30	20	CP-OFDM 64QAM	Inner Full	25-12	3624.99	641666	16.00	15.26
8	Middle	30	20	CP-OFDM 256QAM	Inner Full	25-12	3624.99	641666	16.00	15.32
9	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Right	1-50	3624.99	641666	16.00	15.29
10	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Left	1-0	3624.99	641666	16.00	15.26
11	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Right	2-49	3624.99	641666	16.00	15.32
12	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Left	2-0	3624.99	641666	16.00	15.29
13	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Right	1-49	3624.99	641666	16.00	15.29
14	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Left	1-1	3624.99	641666	16.00	15.25
15	Middle	30	20	DFT-s-OFDM QPSK	Outer Full	50-0	3624.99	641666	16.00	15.29
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner Full	12-6	3624.99	641666	16.00	15.27
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner Full	18-9	3624.99	641666	16.00	15.27
19	Middle-5	30	30	DFT-s-OFDM QPSK	Inner Full	36-18	3624.99	641666	16.00	15.28
20	Middle-5	30	40	DFT-s-OFDM QPSK	Inner Full	50-25	3624.99	641666	16.00	15.24
21	Middle-5	30	50	DFT-s-OFDM QPSK	Inner Full	64-32	3624.99	641666	16.00	15.26
22	Middle-5	30	60	DFT-s-OFDM QPSK	Inner Full	81-40	3624.99	641666	16.00	15.26
23	Middle-5	30	70	DFT-s-OFDM QPSK	Inner Full	90-45	3624.99	641666	16.00	15.24
24	Middle-5	30	80	DFT-s-OFDM QPSK	Inner Full	108-54	3624.99	641666	16.00	15.29
25	Middle-5	30	90	DFT-s-OFDM QPSK	Inner Full	120-60	3624.99	641666	16.00	15.20

N48 ANT2 DSI1

No.	Test Freq Description	5G-n48								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	
1	High	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3690	646000	19.00	17.18
2	Middle	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3624.99	641666	19.00	17.29
3	Low	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3560.01	637334	19.00	17.27
4	High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3649.98	643332	19.00	17.22
5	Middle	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3624.99	641666	19.00	17.21
6	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3600	640000	19.00	17.26
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner Full	25-12	3624.99	641666	19.00	17.12
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner Full	25-12	3624.99	641666	19.00	17.11
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner Full	25-12	3624.99	641666	19.00	17.17
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner Full	25-12	3624.99	641666	19.00	17.04
5	Middle	30	20	CP-OFDM QPSK	Inner Full	25-12	3624.99	641666	19.00	17.10
6	Middle	30	20	CP-OFDM 16QAM	Inner Full	25-12	3624.99	641666	19.00	17.09
7	Middle	30	20	CP-OFDM 64QAM	Inner Full	25-12	3624.99	641666	19.00	17.28
8	Middle	30	20	CP-OFDM 256QAM	Inner Full	25-12	3624.99	641666	19.00	17.26
9	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Right	1-50	3624.99	641666	19.00	17.16
10	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Left	1-0	3624.99	641666	19.00	17.22
11	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Right	2-49	3624.99	641666	19.00	17.19
12	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Left	2-0	3624.99	641666	19.00	17.26
13	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Right	1-49	3624.99	641666	19.00	17.12
14	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Left	1-1	3624.99	641666	19.00	17.24
15	Middle	30	20	DFT-s-OFDM QPSK	Outer Full	50-0	3624.99	641666	19.00	17.20
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner Full	12-6	3624.99	641666	19.00	17.27
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner Full	18-9	3624.99	641666	19.00	17.27
19	Middle-5	30	30	DFT-s-OFDM QPSK	Inner Full	36-18	3624.99	641666	19.00	17.25
20	Middle-5	30	40	DFT-s-OFDM QPSK	Inner Full	50-25	3624.99	641666	19.00	17.24
21	Middle-5	30	50	DFT-s-OFDM QPSK	Inner Full	64-32	3624.99	641666	19.00	17.26
22	Middle-5	30	60	DFT-s-OFDM QPSK	Inner Full	81-40	3624.99	641666	19.00	17.27
23	Middle-5	30	70	DFT-s-OFDM QPSK	Inner Full	90-45	3624.99	641666	19.00	17.28
24	Middle-5	30	80	DFT-s-OFDM QPSK	Inner Full	108-54	3624.99	641666	19.00	17.27
25	Middle-5	30	90	DFT-s-OFDM QPSK	Inner Full	120-60	3624.99	641666	19.00	17.28

N48 ANT2 DSI2/5

No.	Test Freq Description	5G-n48								Power Results (dBm)
		SCS (kHz)	NR BW (M-hz)	Modulation	RB allocation	NR Test Freq. (M-hz)	NR Test CH.	Tune up		
1	High	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3690	646000	24.00	22.13
2	Middle	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3624.99	641666	24.00	22.27
3	Low	30	20	DFT-s-OFDM QPSK	Inner Full	25-12	3560.01	637334	24.00	22.25
4	High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3649.98	643332	24.00	22.18
5	Middle	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3624.99	641666	24.00	22.17
6	Low	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3600	640000	24.00	22.23
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner Full	25-12	3624.99	641666	24.00	22.05
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner Full	25-12	3624.99	641666	24.00	22.03
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner Full	25-12	3624.99	641666	24.00	22.11
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner Full	25-12	3624.99	641666	23.50	21.73
5	Middle	30	20	CP-OFDM QPSK	Inner Full	25-12	3624.99	641666	24.00	22.02
6	Middle	30	20	CP-OFDM 16QAM	Inner Full	25-12	3624.99	641666	24.00	22.00
7	Middle	30	20	CP-OFDM 64QAM	Inner Full	25-12	3624.99	641666	24.00	22.26
8	Middle	30	20	CP-OFDM 256QAM	Inner Full	25-12	3624.99	641666	21.50	19.86
9	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Right	1-50	3624.99	641666	24.00	22.10
10	Middle	30	20	DFT-s-OFDM QPSK	Edge 1RB Left	1-0	3624.99	641666	24.00	22.18
11	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Right	2-49	3624.99	641666	24.00	22.14
12	Middle	30	20	DFT-s-OFDM QPSK	Edge Full Left	2-0	3624.99	641666	24.00	22.23
13	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Right	1-49	3624.99	641666	24.00	22.05
14	Middle	30	20	DFT-s-OFDM QPSK	Inner 1RB Left	1-1	3624.99	641666	24.00	22.20
15	Middle	30	20	DFT-s-OFDM QPSK	Outer Full	50-0	3624.99	641666	24.00	22.15
16	Middle-5	30	10	DFT-s-OFDM QPSK	Inner Full	12-6	3624.99	641666	24.00	22.24
17	Middle-5	30	15	DFT-s-OFDM QPSK	Inner Full	18-9	3624.99	641666	24.00	22.25
19	Middle-5	30	30	DFT-s-OFDM QPSK	Inner Full	36-18	3624.99	641666	24.00	22.22
20	Middle-5	30	40	DFT-s-OFDM QPSK	Inner Full	50-25	3624.99	641666	24.00	22.21
21	Middle-5	30	50	DFT-s-OFDM QPSK	Inner Full	64-32	3624.99	641666	24.00	22.23
22	Middle-5	30	60	DFT-s-OFDM QPSK	Inner Full	81-40	3624.99	641666	24.00	22.24
23	Middle-5	30	70	DFT-s-OFDM QPSK	Inner Full	90-45	3624.99	641666	24.00	22.26
24	Middle-5	30	80	DFT-s-OFDM QPSK	Inner Full	108-54	3624.99	641666	24.00	22.25
25	Middle-5	30	90	DFT-s-OFDM QPSK	Inner Full	120-60	3624.99	641666	24.00	22.26

N66 ANT1 DSI14/2

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	25.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	25.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	25.00
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	25.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	25.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	25.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	25.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	24.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	22.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	20.50
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	23.50
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	24.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	24.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	24.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	24.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	25.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	25.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	24.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1775	355000	25.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	25.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1715	343000	25.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1772.5	354500	25.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	25.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1717.5	343500	25.00
17	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1770	354000	25.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	25.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1720	344000	25.00
17	High	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1767.5	353500	25.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	25.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1722.5	344500	25.00
17	High	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1765	353000	25.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	25.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1725	345000	25.00

N66 ANT1 DSI1

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	22.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	22.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	22.00
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	22.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	22.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	22.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	22.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	22.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	22.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	21.00
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	22.00
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	22.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	22.00
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	19.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	22.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	22.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	22.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	22.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	22.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	22.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	22.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1775	355000	22.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	22.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1715	343000	22.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1772.5	354500	22.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	22.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1717.5	343500	22.00
17	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1770	354000	22.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	22.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1720	344000	22.00
17	High	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1767.5	353500	22.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	22.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1722.5	344500	22.00
17	High	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1765	353000	22.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	22.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1725	345000	22.00

N66 ANT1 DSI4

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	23.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	23.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	23.00
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	23.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	23.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	23.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	23.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	23.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	23.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	22.00
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	23.00
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	20.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	23.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	23.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	23.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	23.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	23.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	23.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	23.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1775	355000	23.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	23.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1715	343000	23.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1772.5	354500	23.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	23.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1717.5	343500	23.00
17	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1770	354000	23.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	23.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1720	344000	23.00
17	High	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1767.5	353500	23.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	23.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1722.5	344500	23.00
17	High	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1765	353000	23.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	23.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1725	345000	23.00

N66 ANT3 DSI14

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	25.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	25.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	25.00
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	25.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	25.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	25.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	25.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	25.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	23.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	21.50
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	25.00
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	25.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	23.50
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	20.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	25.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	25.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	25.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	25.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	25.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	25.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	25.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	25.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	25.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	25.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	25.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	25.00

N66 ANT3 DSI1

No.	Test Freq Descriptio n	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	22.00	20.93
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	22.00	21.13
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	22.00	20.78
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	22.00	20.92
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	22.00	20.96
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	22.00	20.95
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	22.00	20.85
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	22.00	20.95
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	22.00	20.93
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	21.00	20.36
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	22.00	20.94
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	22.00	21.02
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	22.00	21.11
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	19.00	18.49
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	22.00	20.94
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	22.00	20.94
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	22.00	20.93
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	22.00	20.83
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	22.00	20.82
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	22.00	20.89
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	22.00	20.87
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	22.00	20.95
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	22.00	20.88
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	22.00	20.97
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	22.00	20.99
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	22.00	20.95

N66 ANT3 DSI2

No.	Test Freq Descriptio n	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	19.00	17.41
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	19.00	17.89
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	19.00	17.71
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	19.00	17.86
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	19.00	17.82
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	19.00	17.85
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	19.00	17.82
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	19.00	17.88
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	19.00	17.87
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	19.00	17.82
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	19.00	17.84
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	19.00	17.24
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	19.00	17.81
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	19.00	17.85
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	19.00	17.84
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	19.00	17.85
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	19.00	17.82
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	19.00	17.75
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	19.00	17.82
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	19.00	17.80
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	19.00	17.79
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1775	355000	19.00	17.83
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	19.00	17.85
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1715	343000	19.00	17.87
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1772.5	354500	19.00	17.85
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	19.00	17.87
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1717.5	343500	19.00	17.88
17	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1770	354000	19.00	17.86
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	19.00	17.87
19	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1720	344000	19.00	17.88
17	High	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1767.5	353500	19.00	17.88
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	19.00	17.88
19	Low	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1722.5	344500	19.00	17.87
17	High	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1765	353000	19.00	17.86
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	19.00	17.83
19	Low	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1725	345000	19.00	17.82

N66 ANT3 DSI3

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	18.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	18.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	18.00
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	18.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	18.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	18.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	18.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	18.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	18.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	18.00
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	18.00
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	18.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	18.00
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	18.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	18.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	18.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	18.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	18.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	18.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	18.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	18.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1775	355000	18.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	18.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1715	343000	18.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1772.5	354500	18.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	18.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1717.5	343500	18.00
17	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1770	354000	18.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	18.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1720	344000	18.00
17	High	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1767.5	353500	18.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	18.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1722.5	344500	18.00
17	High	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1765	353000	18.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	18.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1725	345000	18.00

N66 ANT3 DSI5

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1777.5	355500	23.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1745	349000	23.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	1712.5	342500	23.00
4	High	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1760	352000	23.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1745	349000	23.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner Full	108 54	1730	346000	23.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	1745	349000	23.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	1745	349000	23.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	1745	349000	23.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	1745	349000	22.00
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	1745	349000	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	1745	349000	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	1745	349000	23.00
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	1745	349000	20.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	1745	349000	23.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	1745	349000	23.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	1745	349000	23.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	1745	349000	23.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	1745	349000	23.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	1745	349000	23.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	1745	349000	23.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	1745	349000	23.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	1745	349000	23.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	1745	349000	23.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner Full	64-32	1745	349000	23.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner Full	80 40	1745	349000	23.00

N71 ANT0 DSI14/1/2

No.	Test Freq Description	5G-n71							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	695.5	139100	25.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	680.5	136100	25.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	665.5	133100	25.00
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	688	137600	25.00
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	680.5	136100	25.00
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	673	134600	25.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	680.5	136100	25.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	680.5	136100	24.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	680.5	136100	22.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	680.5	136100	20.50
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	680.5	136100	23.50
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	680.5	136100	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	680.5	136100	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	680.5	136100	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	680.5	136100	24.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	680.5	136100	24.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	680.5	136100	24.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	680.5	136100	24.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	680.5	136100	25.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	680.5	136100	25.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	680.5	136100	24.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	693	138600	25.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	680.5	136100	25.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	668	133600	25.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	690.5	138100	25.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	680.5	136100	25.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	670.5	134100	25.00

N71 ANT3 DSI0/1

No.	Test Freq Description	5G-n71							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	695.5	139100	25.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	680.5	136100	25.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner Full	12 6	665.5	133100	25.00
4	High	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	688	137600	25.00
5	Middle	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	680.5	136100	25.00
6	Low	15	20	DFT-s-OFDM QPSK	Inner Full	50 25	673	134600	25.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	680.5	136100	25.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner Full	12 6	680.5	136100	24.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner Full	12 6	680.5	136100	22.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner Full	12 6	680.5	136100	20.50
5	Middle	15	5	CP-OFDM QPSK	Inner Full	12 6	680.5	136100	23.50
6	Middle	15	5	CP-OFDM 16QAM	Inner Full	12 6	680.5	136100	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner Full	12 6	680.5	136100	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner Full	12 6	680.5	136100	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Right	2 23	680.5	136100	24.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge Full Left	2 0	680.5	136100	24.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Right	1 24	680.5	136100	24.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	680.5	136100	24.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Right	1 23	680.5	136100	25.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	680.5	136100	25.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer Full	25 0	680.5	136100	24.00
14	High	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	693	138600	25.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	680.5	136100	25.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner Full	25 12	668	133600	25.00
17	High	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	690.5	138100	25.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	680.5	136100	25.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner Full	36 18	670.5	134100	25.00

N71 ANT3 DSI2

No.	Test Freq Descriptio n	5G-n71								Power Results (dBm)
		SCS (kHz)	NR BW (Mhz)	Modulation	RB allocation	NR Test Freq. (Mhz)	NR Test CH.	Tune up		
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12.6	695.5	139100	24.00	22.41
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12.6	680.5	136100	24.00	22.67
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12.6	665.5	133100	24.00	22.65
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50.25	688	137600	24.00	22.64
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50.25	680.5	136100	24.00	22.56
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50.25	673	134600	24.00	22.66
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12.6	680.5	136100	24.00	22.52
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12.6	680.5	136100	24.00	22.66
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12.6	680.5	136100	23.00	21.42
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12.6	680.5	136100	21.50	20.05
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12.6	680.5	136100	24.00	22.47
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12.6	680.5	136100	23.50	21.96
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12.6	680.5	136100	23.00	21.24
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12.6	680.5	136100	20.00	18.11
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2.23	680.5	136100	24.00	22.45
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2.0	680.5	136100	24.00	22.46
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1.24	680.5	136100	24.00	22.52
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1.0	680.5	136100	24.00	22.49
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1.23	680.5	136100	24.00	22.58
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1.1	680.5	136100	24.00	22.51
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25.0	680.5	136100	24.00	22.47
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25.12	693	138600	24.00	22.15
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25.12	680.5	136100	24.00	22.30
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25.12	668	133600	24.00	22.28
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36.18	690.5	138100	24.00	22.24
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36.18	680.5	136100	24.00	22.36
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36.18	670.5	134100	24.00	22.29

N78 ANT4 DSI1

No.	Test Freq Descriptio n	5G-n78								Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up		
1	High	30	10	DFT-s-OFDM QPSK	Inner	Full	12.6	3795	653000	21.00	20.90
2	Middle	30	10	DFT-s-OFDM QPSK	Inner	Full	12.6	3750	650000	21.00	20.92
3	Low	30	10	DFT-s-OFDM QPSK	Inner	Full	12.6	3705	647000	21.00	20.84
4	Low/High	30	100	DFT-s-OFDM QPSK	Inner	Full	135-67	3750	650000	21.00	20.80
1	Middle-3	30	10	DFT-s-OFDM PI/2 BPSK1	Inner	Full	12.6	3750	650000	21.00	20.81
2	Middle-3	30	10	DFT-s-OFDM 16QAM	Inner	Full	12.6	3750	650000	21.00	20.91
3	Middle-3	30	10	DFT-s-OFDM 64QAM	Inner	Full	12.6	3750	650000	21.00	20.90
4	Middle-3	30	10	DFT-s-OFDM 256QAM	Inner	Full	12.6	3750	650000	19.50	19.40
5	Middle-3	30	10	CP-OFDM QPSK	Inner	Full	12.6	3750	650000	21.00	20.90
6	Middle-3	30	10	CP-OFDM 16QAM	Inner	Full	12.6	3750	650000	21.00	20.91
7	Middle-3	30	10	CP-OFDM 64QAM	Inner	Full	12.6	3750	650000	21.00	20.49
8	Middle-3	30	10	CP-OFDM 256QAM	Inner	Full	12.6	3750	650000	18.00	17.41
9	Middle-3	30	10	DFT-s-OFDM QPSK	Edge	1RB Right	1.23	3750	650000	21.00	20.81
10	Middle-3	30	10	DFT-s-OFDM QPSK	Edge	1RB Left	1.0	3750	650000	21.00	20.85
11	Middle-3	30	10	DFT-s-OFDM QPSK	Edge	Full Right	2.22	3750	650000	21.00	20.86
12	Middle-3	30	10	DFT-s-OFDM QPSK	Edge	Full Left	2.0	3750	650000	21.00	20.87
13	Middle-3	30	10	DFT-s-OFDM QPSK	Inner	1RB Right	1.22	3750	650000	21.00	20.86
14	Middle-3	30	10	DFT-s-OFDM QPSK	Inner	1RB Left	1.1	3750	650000	21.00	20.82
15	Middle-3	30	10	DFT-s-OFDM QPSK	Outer	Full	24.0	3750	650000	21.00	20.83
16	Middle-1	30	15	DFT-s-OFDM QPSK	Inner	Full	18.9	3750	650000	21.00	20.80
17	Middle-1	30	20	DFT-s-OFDM QPSK	Inner	Full	25.12	3750	650000	21.00	20.81
18	Middle-1	30	30	DFT-s-OFDM QPSK	Inner	Full	36.18	3750	650000	21.00	20.89
19	Middle-1	30	40	DFT-s-OFDM QPSK	Inner	Full	50.25	3750	650000	21.00	20.87
20	Middle-1	30	50	DFT-s-OFDM QPSK	Inner	Full	64.32	3750	650000	21.00	20.82
21	Middle-1	30	60	DFT-s-OFDM QPSK	Inner	Full	81.40	3750	650000	21.00	20.81
22	Middle-1	30	70	DFT-s-OFDM QPSK	Inner	Full	90.45	3750	650000	21.00	20.88
23	Middle-1	30	80	DFT-s-OFDM QPSK	Inner	Full	108.54	3750	650000	21.00	20.85
24	Middle-1	30	90	DFT-s-OFDM QPSK	Inner	Full	120.60	3750	650000	21.00	20.83

N78 ANT4 DSI2

No.	Test Freq Description	5G-n78							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3795	653000	15.00
2	Middle	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3750	650000	15.00
3	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3705	647000	15.00
4	Low/High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3750	650000	15.00
1	Middle-3	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	3750	650000	15.00
2	Middle-3	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	3750	650000	15.00
3	Middle-3	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	3750	650000	15.00
4	Middle-3	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	3750	650000	15.00
5	Middle-3	30	10	CP-OFDM QPSK	Inner Full	12 6	3750	650000	15.00
6	Middle-3	30	10	CP-OFDM 16QAM	Inner Full	12 6	3750	650000	15.00
7	Middle-3	30	10	CP-OFDM 64QAM	Inner Full	12 6	3750	650000	15.00
8	Middle-3	30	10	CP-OFDM 256QAM	Inner Full	12 6	3750	650000	15.00
9	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	3750	650000	15.00
10	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	3750	650000	15.00
11	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	3750	650000	15.00
12	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	3750	650000	15.00
13	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	3750	650000	15.00
14	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	3750	650000	15.00
15	Middle-3	30	10	DFT-s-OFDM QPSK	Outer Full	24 0	3750	650000	15.00
16	Middle-1	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	3750	650000	15.00
17	Middle-1	30	20	DFT-s-OFDM QPSK	Inner Full	25 12	3750	650000	15.00
18	Middle-1	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	3750	650000	15.00
19	Middle-1	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	3750	650000	15.00
20	Middle-1	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	3750	650000	15.00
21	Middle-1	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	3750	650000	15.00
22	Middle-1	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	3750	650000	15.00
23	Middle-1	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	3750	650000	15.00
24	Middle-1	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	3750	650000	15.00

N78 ANT4 DSI3

No.	Test Freq Description	5G-n78							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3795	653000	13.00
2	Middle	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3750	650000	13.00
3	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3705	647000	13.00
4	Low/High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3750	650000	13.00
1	Middle-3	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	3750	650000	13.00
2	Middle-3	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	3750	650000	13.00
3	Middle-3	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	3750	650000	13.00
4	Middle-3	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	3750	650000	13.00
5	Middle-3	30	10	CP-OFDM QPSK	Inner Full	12 6	3750	650000	13.00
6	Middle-3	30	10	CP-OFDM 16QAM	Inner Full	12 6	3750	650000	13.00
7	Middle-3	30	10	CP-OFDM 64QAM	Inner Full	12 6	3750	650000	13.00
8	Middle-3	30	10	CP-OFDM 256QAM	Inner Full	12 6	3750	650000	13.00
9	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	3750	650000	13.00
10	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	3750	650000	13.00
11	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	3750	650000	13.00
12	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	3750	650000	13.00
13	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	3750	650000	13.00
14	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	3750	650000	13.00
15	Middle-3	30	10	DFT-s-OFDM QPSK	Outer Full	24 0	3750	650000	13.00
16	Middle-1	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	3750	650000	13.00
17	Middle-1	30	20	DFT-s-OFDM QPSK	Inner Full	25 12	3750	650000	13.00
18	Middle-1	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	3750	650000	13.00
19	Middle-1	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	3750	650000	13.00
20	Middle-1	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	3750	650000	13.00
21	Middle-1	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	3750	650000	13.00
22	Middle-1	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	3750	650000	13.00
23	Middle-1	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	3750	650000	13.00
24	Middle-1	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	3750	650000	13.00

N78 ANT4 DSI5

No.	Test Freq Description	5G-n78							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3795	653000	23.00
2	Middle	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3750	650000	23.00
3	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3705	647000	23.00
4	Low/High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3750	650000	23.00
1	Middle-3	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	3750	650000	23.00
2	Middle-3	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	3750	650000	23.00
3	Middle-3	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	3750	650000	23.00
4	Middle-3	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	3750	650000	21.50
5	Middle-3	30	10	CP-OFDM QPSK	Inner Full	12 6	3750	650000	23.00
6	Middle-3	30	10	CP-OFDM 16QAM	Inner Full	12 6	3750	650000	23.00
7	Middle-3	30	10	CP-OFDM 64QAM	Inner Full	12 6	3750	650000	23.00
8	Middle-3	30	10	CP-OFDM 256QAM	Inner Full	12 6	3750	650000	18.00
9	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	3750	650000	23.00
10	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	3750	650000	23.00
11	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	3750	650000	23.00
12	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	3750	650000	23.00
13	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	3750	650000	23.00
14	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	3750	650000	23.00
15	Middle-3	30	10	DFT-s-OFDM QPSK	Outer Full	24 0	3750	650000	23.00
16	Middle-1	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	3750	650000	23.00
17	Middle-1	30	20	DFT-s-OFDM QPSK	Inner Full	25 12	3750	650000	23.00
18	Middle-1	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	3750	650000	23.00
19	Middle-1	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	3750	650000	23.00
20	Middle-1	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	3750	650000	23.00
21	Middle-1	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	3750	650000	23.00
22	Middle-1	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	3750	650000	23.00
23	Middle-1	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	3750	650000	23.00
24	Middle-1	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	3750	650000	23.00

N78 ANT2 DSI1

No.	Test Freq Description	5G-n78							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3795	653000	19.00
2	Middle	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3750	650000	19.00
3	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12 6	3705	647000	19.00
4	Low/High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3750	650000	19.00
1	Middle-3	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12 6	3750	650000	19.00
2	Middle-3	30	10	DFT-s-OFDM 16QAM	Inner Full	12 6	3750	650000	19.00
3	Middle-3	30	10	DFT-s-OFDM 64QAM	Inner Full	12 6	3750	650000	19.00
4	Middle-3	30	10	DFT-s-OFDM 256QAM	Inner Full	12 6	3750	650000	19.00
5	Middle-3	30	10	CP-OFDM QPSK	Inner Full	12 6	3750	650000	19.00
6	Middle-3	30	10	CP-OFDM 16QAM	Inner Full	12 6	3750	650000	19.00
7	Middle-3	30	10	CP-OFDM 64QAM	Inner Full	12 6	3750	650000	19.00
8	Middle-3	30	10	CP-OFDM 256QAM	Inner Full	12 6	3750	650000	19.00
9	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1 23	3750	650000	19.00
10	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1 0	3750	650000	19.00
11	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Right	2 22	3750	650000	19.00
12	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Left	2 0	3750	650000	19.00
13	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1 22	3750	650000	19.00
14	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1 1	3750	650000	19.00
15	Middle-3	30	10	DFT-s-OFDM QPSK	Outer Full	24 0	3750	650000	19.00
16	Middle-1	30	15	DFT-s-OFDM QPSK	Inner Full	18 9	3750	650000	19.00
17	Middle-1	30	20	DFT-s-OFDM QPSK	Inner Full	25 12	3750	650000	19.00
18	Middle-1	30	30	DFT-s-OFDM QPSK	Inner Full	36 18	3750	650000	19.00
19	Middle-1	30	40	DFT-s-OFDM QPSK	Inner Full	50 25	3750	650000	19.00
20	Middle-1	30	50	DFT-s-OFDM QPSK	Inner Full	64 32	3750	650000	19.00
21	Middle-1	30	60	DFT-s-OFDM QPSK	Inner Full	81 40	3750	650000	19.00
22	Middle-1	30	70	DFT-s-OFDM QPSK	Inner Full	90 45	3750	650000	19.00
23	Middle-1	30	80	DFT-s-OFDM QPSK	Inner Full	108 54	3750	650000	19.00
24	Middle-1	30	90	DFT-s-OFDM QPSK	Inner Full	120 60	3750	650000	19.00

N78 ANT2 DSI2/4

No.	Test Freq Description	5G-n78								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	
1	High	30	10	DFT-s-OFDM QPSK	Inner Full	12.6	3795	653000	24.00	22.56
2	Middle	30	10	DFT-s-OFDM QPSK	Inner Full	12.6	3750	650000	24.00	22.74
3	Low	30	10	DFT-s-OFDM QPSK	Inner Full	12.6	3705	647000	24.00	22.58
4	Low/High	30	100	DFT-s-OFDM QPSK	Inner Full	135-67	3750	650000	24.00	22.33
1	Middle-3	30	10	DFT-s-OFDM PI/2 BPSK1	Inner Full	12.6	3750	650000	24.00	22.59
2	Middle-3	30	10	DFT-s-OFDM 16QAM	Inner Full	12.6	3750	650000	24.00	22.61
3	Middle-3	30	10	DFT-s-OFDM 64QAM	Inner Full	12.6	3750	650000	24.00	22.63
4	Middle-3	30	10	DFT-s-OFDM 256QAM	Inner Full	12.6	3750	650000	24.00	22.62
5	Middle-3	30	10	CP-OFDM QPSK	Inner Full	12.6	3750	650000	24.00	22.62
6	Middle-3	30	10	CP-OFDM 16QAM	Inner Full	12.6	3750	650000	24.00	22.71
7	Middle-3	30	10	CP-OFDM 64QAM	Inner Full	12.6	3750	650000	24.00	22.51
8	Middle-3	30	10	CP-OFDM 256QAM	Inner Full	12.6	3750	650000	22.50	21.26
9	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Right	1.23	3750	650000	24.00	22.67
10	Middle-3	30	10	DFT-s-OFDM QPSK	Edge 1RB Left	1.0	3750	650000	24.00	22.68
11	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Right	2.22	3750	650000	24.00	22.62
12	Middle-3	30	10	DFT-s-OFDM QPSK	Edge Full Left	2.0	3750	650000	24.00	22.60
13	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Right	1.22	3750	650000	24.00	22.73
14	Middle-3	30	10	DFT-s-OFDM QPSK	Inner 1RB Left	1.1	3750	650000	24.00	22.65
15	Middle-3	30	10	DFT-s-OFDM QPSK	Outer Full	24.0	3750	650000	24.00	22.64
16	Middle-1	30	15	DFT-s-OFDM QPSK	Inner Full	18.9	3750	650000	24.00	22.68
17	Middle-1	30	20	DFT-s-OFDM QPSK	Inner Full	25.12	3750	650000	24.00	22.71
18	Middle-1	30	30	DFT-s-OFDM QPSK	Inner Full	36.18	3750	650000	24.00	22.71
19	Middle-1	30	40	DFT-s-OFDM QPSK	Inner Full	50.25	3750	650000	24.00	22.68
20	Middle-1	30	50	DFT-s-OFDM QPSK	Inner Full	64.32	3750	650000	24.00	22.45
21	Middle-1	30	60	DFT-s-OFDM QPSK	Inner Full	81.40	3750	650000	24.00	22.44
22	Middle-1	30	70	DFT-s-OFDM QPSK	Inner Full	90.45	3750	650000	24.00	22.37
23	Middle-1	30	80	DFT-s-OFDM QPSK	Inner Full	108.54	3750	650000	24.00	22.37
24	Middle-1	30	90	DFT-s-OFDM QPSK	Inner Full	120.60	3750	650000	24.00	22.37

11.5 Wi-Fi and BT Measurement result

The maximum output power of BT antenna is 7.49dBm.

The maximum tune up of BT antenna is 8.5dBm.

Wi-Fi2.4G Receiver off+Sensor off

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	17.94	19.00
	6(2437(MHz)	17.89	19.00
	1(2412MHz)	17.69	19.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	18.86	19.00
	6(2437(MHz)	18.99	19.00
	1(2412MHz)	18.39	19.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	18.88	19.00
	6(2437(MHz)	18.95	19.00
	1(2412MHz)	18.33	19.00

Wi-Fi2.4G Receiver on+WWAN off

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	16.89	18.00
	6(2437(MHz)	16.85	18.00
	1(2412MHz)	16.64	18.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	17.94	18.00
	6(2437(MHz)	17.91	18.00
	1(2412MHz)	17.61	18.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	17.91	18.00
	6(2437(MHz)	17.85	18.00
	1(2412MHz)	17.68	18.00

Wi-Fi2.4G Receiver on+WWAN on

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	13.89	15.00
	6(2437(MHz)	13.84	15.00
	1(2412MHz)	13.53	15.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	14.94	15.00
	6(2437(MHz)	14.94	15.00
	1(2412MHz)	14.79	15.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	14.90	15.00
	6(2437(MHz)	14.88	15.00
	1(2412MHz)	14.75	15.00

Wi-Fi2.4G Receiver off+sensor on+Hotspot off+WWAN off

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	17.94	19.00
	6(2437(MHz)	17.89	19.00
	1(2412MHz)	17.69	19.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	18.86	19.00
	6(2437(MHz)	18.99	19.00
	1(2412MHz)	18.39	19.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	18.88	19.00
	6(2437(MHz)	18.95	19.00
	1(2412MHz)	18.33	19.00

Wi-Fi2.4G Receiver off+sensor on+Hotspot off+WWAN on

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	15.63	17.00
	6(2437(MHz)	15.62	17.00
	1(2412MHz)	15.29	17.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	16.92	17.00
	6(2437(MHz)	16.77	17.00
	1(2412MHz)	16.68	17.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	16.56	17.00
	6(2437(MHz)	16.79	17.00
	1(2412MHz)	16.62	17.00

WIFI5G Receiver off+Sensor off

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	
38(5190 MHz)	17.01	18.00
46(5230 MHz)	17.16	18.00
54(5270 MHz)	17.48	18.00
62(5310 MHz)	17.05	18.00
102(5510 MHz)	16.49	18.00
110(5550 MHz)	16.54	18.00
118(5590 MHz)	16.77	18.00
126(5630 MHz)	16.58	18.00
134(5670 MHz)	16.68	18.00
142(5710 MHz)	16.75	18.00
151(5755 MHz)	17.41	18.00
159(5795 MHz)	17.25	18.00

WIFI5G Receiver on+WWAN off

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	
42(5210 MHz)	14.82	15.00
58(5290 MHz)	14.97	15.00
106(5530 MHz)	14.71	15.00
122(5610 MHz)	14.81	15.00
138(5690 MHz)	14.55	15.00
155(5775 MHz)	14.89	15.00

WIFI5G Receiver on+WWAN on

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	
42(5210 MHz)	8.60	9.00
58(5290 MHz)	8.97	9.00
106(5530 MHz)	7.82	9.00
122(5610 MHz)	8.72	9.00
138(5690 MHz)	8.62	9.00
155(5775 MHz)	9.00	9.00

WIFI5G Receiver off+sensor on+Hotspot off+WWAN off

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	
38(5190 MHz)	17.01	18.00
46(5230 MHz)	17.16	18.00
54(5270 MHz)	17.48	18.00
62(5310 MHz)	17.05	18.00
102(5510 MHz)	16.49	18.00
110(5550 MHz)	16.54	18.00
118(5590 MHz)	16.77	18.00
126(5630 MHz)	16.58	18.00
134(5670 MHz)	16.68	18.00
142(5710 MHz)	16.75	18.00
151(5755 MHz)	17.41	18.00
159(5795 MHz)	17.25	18.00

WiFi5G Receiver off+sensor on+Hotspot off+WWAN on

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	
42(5210 MHz)	11.61	13.00
58(5290 MHz)	11.74	13.00
106(5530 MHz)	11.07	13.00
122(5610 MHz)	11.59	13.00
138(5690 MHz)	11.49	13.00
155(5775 MHz)	11.61	13.00

12 SAR Test Result

Note:

KDB 447498 D01 General RF Exposure Guidance:

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

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

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

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

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

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

KDB 648474 D04 Handset SAR:

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

KDB 941225 D01 SAR test for 3G devices:

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

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

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

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

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

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

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

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

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

KDB 248227 D01 SAR meas for 802.11:

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

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

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

When the reported SAR for the initial test position is:

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

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

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

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

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

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

When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is $\leq 1.2 \text{ W/kg}$, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

Table 15.1: Duty Cycle

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

Note1: The data is used for stand-alone

Note2: The data is used for simultaneous transmission

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

ANT	DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
0	2	Head	GSM850	251	848.8	GPRS (1TX)	Cheek Left	0mm	\	33.62	34.00	0.091	0.10	0.073	0.08	0.08
0	2	Head	GSM850	190	836.6	GPRS (1TX)	Cheek Left	0mm	\	33.58	34.00	0.103	0.11	0.086	0.09	0.01
0	2	Head	GSM850	128	824.2	GPRS (1TX)	Cheek Left	0mm	\	33.28	34.00	0.123	0.15	0.098	0.12	-0.13
0	2	Head	GSM850	190	836.6	GPRS (1TX)	Tilt Left	0mm	\	33.58	34.00	0.081	0.09	0.067	0.07	0.03
0	2	Head	GSM850	190	836.6	GPRS (1TX)	Cheek Right	0mm	\	33.58	34.00	0.101	0.11	0.082	0.09	-0.08
0	2	Head	GSM850	190	836.6	GPRS (1TX)	Tilt Right	0mm	\	33.58	34.00	0.074	0.08	0.062	0.07	-0.08
0	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Front	10mm	\	33.58	34.00	0.259	0.29	0.151	0.17	0.14
0	1	hotspot	GSM850	251	848.8	GPRS (1TX)	Rear	10mm	\	33.62	34.00	0.425	0.46	0.242	0.26	0.11
0	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Rear	10mm	F.2	33.58	34.00	0.47	0.52	0.263	0.29	-0.17
0	1	hotspot	GSM850	128	824.2	GPRS (1TX)	Rear	10mm	\	33.28	34.00	0.438	0.52	0.237	0.28	-0.05
0	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Left	10mm	\	33.58	34.00	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Right	10mm	\	33.58	34.00	0.112	0.12	0.047	0.05	0.18
0	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Bottom	10mm	\	33.58	34.00	0.389	0.43	0.196	0.22	0.14
0	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Top	10mm	\	33.58	34.00	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	GSM850	190	836.6	EGPRS (1TX)	Rear	10mm	\	33.54	34.00	0.463	0.51	0.256	0.28	-0.17
0	14	body worn	GSM850	190	836.6	GPRS (1TX)	Front	15mm	\	33.58	34.00	0.259	0.29	0.151	0.17	0.17
0	14	body worn	GSM850	251	848.8	GPRS (1TX)	Rear	15mm	\	33.62	34.00	0.425	0.46	0.242	0.26	-0.05
0	14	body worn	GSM850	190	836.6	GPRS (1TX)	Rear	15mm	\	33.58	34.00	0.47	0.52	0.263	0.29	-0.17
0	14	body worn	GSM850	128	824.2	GPRS (1TX)	Rear	15mm	\	33.28	34.00	0.438	0.52	0.237	0.28	0.01
3	2	Head	GSM850	190	836.6	GPRS (1TX)	Cheek Left	0mm	\	32.64	33.00	0.517	0.56	0.398	0.43	0.1
3	2	Head	GSM850	190	836.6	GPRS (1TX)	Tilt Left	0mm	\	32.64	33.00	0.47	0.51	0.336	0.37	-0.17
3	2	Head	GSM850	251	848.8	GPRS (1TX)	Cheek Right	0mm	\	32.86	33.00	0.519	0.54	0.329	0.34	0.04
3	2	Head	GSM850	190	836.6	GPRS (1TX)	Cheek Right	0mm	\	32.64	33.00	0.737	0.80	0.47	0.51	-0.01
3	2	Head	GSM850	128	824.2	GPRS (1TX)	Cheek Right	0mm	F.1	32.20	33.00	0.745	0.90	0.471	0.57	-0.14
3	2	Head	GSM850	190	836.6	GPRS (1TX)	Tilt Right	0mm	\	32.64	33.00	0.618	0.67	0.369	0.40	-0.08
3	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Front	10mm	\	33.41	34.00	0.221	0.25	0.145	0.17	0.18
3	1	hotspot	GSM850	251	848.8	GPRS (1TX)	Rear	10mm	\	33.75	34.00	0.226	0.24	0.146	0.15	0.16
3	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Rear	10mm	\	33.41	34.00	0.262	0.30	0.171	0.20	-0.01
3	1	hotspot	GSM850	128	824.2	GPRS (1TX)	Rear	10mm	\	33.11	34.00	0.201	0.25	0.129	0.16	-0.1
3	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Left	10mm	\	33.41	34.00	0.09	0.10	0.061	0.07	0.07
3	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Right	10mm	\	33.41	34.00	0.052	0.06	0.035	0.04	0.18
3	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Bottom	10mm	\	33.41	34.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	GSM850	190	836.6	GPRS (1TX)	Top	10mm	\	33.41	34.00	0.192	0.22	0.117	0.13	-0.1
3	1	hotspot	GSM850	190	836.6	EGPRS (1TX)	Rear	10mm	\	33.34	34.00	0.224	0.26	0.145	0.17	0.01
3	14	body worn	GSM850	190	836.6	GPRS (1TX)	Front	15mm	\	33.41	34.00	0.221	0.25	0.145	0.17	-0.15
3	14	body worn	GSM850	251	848.8	GPRS (1TX)	Rear	15mm	\	33.75	34.00	0.226	0.24	0.146	0.15	0.19
3	14	body worn	GSM850	190	836.6	GPRS (1TX)	Rear	15mm	\	33.41	34.00	0.262	0.30	0.171	0.20	-0.01
3	14	body worn	GSM850	128	824.2	GPRS (1TX)	Rear	15mm	\	33.11	34.00	0.201	0.25	0.129	0.16	0.07
1	2	Head	GSM1900	512	1850.2	GPRS (1TX)	Cheek Left	0mm	\	29.46	31.00	0.08	0.11	0.053	0.08	-0.18
1	2	Head	GSM1900	661	1880	GPRS (1TX)	Cheek Left	0mm	\	29.44	31.00	0.086	0.12	0.059	0.08	0.03
1	2	Head	GSM1900	810	1909.8	GPRS (1TX)	Cheek Left	0mm	\	29.45	31.00	0.1	0.14	0.066	0.09	-0.09
1	2	Head	GSM1900	661	1880	GPRS (1TX)	Tilt Left	0mm	\	29.44	31.00	0.039	0.06	0.027	0.04	-0.15
1	2	Head	GSM1900	661	1880	GPRS (1TX)	Cheek Right	0mm	\	29.44	31.00	0.055	0.08	0.039	0.06	-0.15
1	2	Head	GSM1900	661	1880	GPRS (1TX)	Tilt Right	0mm	\	29.44	31.00	0.051	0.07	0.032	0.05	0.11
1	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Front	10mm	\	28.85	29.00	0.142	0.15	0.083	0.09	0.18
1	1	hotspot	GSM1900	512	1850.2	GPRS (1TX)	Rear	10mm	\	28.73	29.00	0.221	0.24	0.127	0.14	-0.04
1	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Rear	10mm	\	28.85	29.00	0.225	0.23	0.131	0.14	-0.08
1	1	hotspot	GSM1900	810	1909.8	GPRS (1TX)	Rear	10mm	\	28.88	29.00	0.262	0.27	0.154	0.16	-0.13
1	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Left	10mm	\	28.85	29.00	0.147	0.15	0.083	0.09	-0.13
1	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Right	10mm	\	28.85	29.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Bottom	10mm	\	28.85	29.00	0.16	0.17	0.091	0.09	-0.13
1	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Top	10mm	\	28.85	29.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	GSM1900	512	1850.2	EGPRS (1TX)	Rear	10mm	\	28.85	29.00	0.235	0.24	0.133	0.14	0.06
1	14	body worn	GSM1900	661	1880	GPRS (1TX)	Front	15mm	\	29.44	31.00	0.142	0.20	0.083	0.12	-0.03
1	14	body worn	GSM1900	512	1850.2	GPRS (1TX)	Rear	15mm	\	29.46	31.00	0.221	0.32	0.127	0.18	-0.03
1	14	body worn	GSM1900	661	1880	GPRS (1TX)	Rear	15mm	\	29.44	31.00	0.225	0.32	0.131	0.19	0.08
1	14	body worn	GSM1900	810	1909.8	GPRS (1TX)	Rear	15mm	\	29.45	31.00	0.262	0.37	0.154	0.22	-0.13
1	14	body worn	GSM1900	512	1850.2	EGPRS (1TX)	Rear	15mm	\	29.18	31.00	0.235	0.36	0.133	0.20	-0.07
3	2	Head	GSM1900	661	1880	GPRS (1TX)	Cheek Left	0mm	\	25.34	26.00	0.213	0.25	0.114	0.13	0.05
3	2	Head	GSM1900	661	1880	GPRS (1TX)	Tilt Left	0mm	\	25.34	26.00	0.222	0.26	0.118	0.14	-0.11
3	2	Head	GSM1900	661	1880	GPRS (1TX)	Cheek Right	0mm	\	25.34	26.00	0.43	0.50	0.192	0.22	-0.12
3	2	Head	GSM1900	810	1909.8	GPRS (1TX)	Tilt Right	0mm	F.3	25.53	26.00	0.563	0.63	0.255	0.28	-0.16
3	2	Head	GSM1900	661	1880	GPRS (1TX)	Tilt Right	0mm	\	25.34	26.00	0.434	0.51	0.198	0.23	0.03
3	2	Head	GSM1900	512	1850.2	GPRS (1TX)	Tilt Right	0mm	\	25.06	26.00	0.397	0.49	0.18	0.22	-0.16
3	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Front	10mm	\	28.10	29.00	0.285	0.35	0.144	0.18	0.05
3	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Rear	10mm	\	28.10	29.00	0.255	0.31	0.131	0.16	0.05
3	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Left	10mm	\	28.10	29.00	0.119	0.15	0.059	0.07	-0.03
3	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Right	10mm	\	28.10	29.00	0.058	0.07	0.032	0.04	-0.15
3	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Bottom	10mm	\	28.10	29.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	GSM1900	810	1909.8	GPRS (1TX)	Top	10mm	F.4	28.07	29.00	0.468	0.58	0.236	0.29	-0.03
3	1	hotspot	GSM1900	661	1880	GPRS (1TX)	Top	10mm	\	28.10	29.00	0.428	0.53	0.195	0.24	0.02
3	1	hotspot	GSM1900	512	1850.2	GPRS (1TX)	Top	10mm	\	27.95	29.00	0.411	0.52	0.193	0.25	0.07
3	1	hotspot	GSM1900	810	1909.8	EGPRS (1TX)	Top	10mm	\	28.11	29.00	0.465	0.57	0.22	0.27	0.16
3	14	body worn	GSM1900	810	1909.8	GPRS (1TX)	Front	15mm	\	29.57	31.00	0.274	0.38	0.139	0.19	0.01
3	14	body worn	GSM1900	661	1880	GPRS (1TX)	Front	15mm	\	29.46	31.00	0.285	0.41	0.144	0.21	0.06
3	14	body worn	GSM1900	512	1850.2	GPRS (1TX)	Front	15mm	\	29.32	31.00	0.268	0.39	0.134	0.20	0.09
3	14	body worn	GSM1900	661	1880	GPRS (1TX)	Rear	15mm	\	29.46	31.00	0.255	0.36	0.131	0.19	0.13

1	2	Head	WCDMA1900	9538	1907.6	RMC	Cheek Left	0mm	\	24.54	25.50	0.322	0.40	0.204	0.25	-0.18
1	2	Head	WCDMA1900	9400	1880	RMC	Cheek Left	0mm	\	24.51	25.50	0.326	0.41	0.211	0.27	0.12
1	2	Head	WCDMA1900	9262	1852.4	RMC	Cheek Left	0mm	\	24.63	25.50	0.285	0.35	0.183	0.22	0.02
1	2	Head	WCDMA1900	9400	1880	RMC	Tilt Left	0mm	\	24.51	25.50	0.176	0.22	0.111	0.14	0.16
1	2	Head	WCDMA1900	9400	1880	RMC	Cheek Right	0mm	\	24.51	25.50	0.225	0.28	0.146	0.18	-0.03
1	2	Head	WCDMA1900	9400	1880	RMC	Tilt Right	0mm	\	24.51	25.50	0.174	0.22	0.105	0.13	0.07
1	1	hotspot	WCDMA1900	9400	1880	RMC	Front	10mm	\	22.31	23.50	0.295	0.39	0.167	0.22	-0.17
1	1	hotspot	WCDMA1900	9538	1907.6	RMC	Rear	10mm	F.6	22.42	23.50	0.496	0.64	0.286	0.37	-0.12
1	1	hotspot	WCDMA1900	9400	1880	RMC	Rear	10mm	\	22.31	23.50	0.476	0.63	0.266	0.35	-0.1
1	1	hotspot	WCDMA1900	9262	1852.4	RMC	Rear	10mm	\	22.34	23.50	0.441	0.58	0.253	0.33	0.18
1	1	hotspot	WCDMA1900	9400	1880	RMC	Left	10mm	\	22.31	23.50	0.33	0.43	0.185	0.24	-0.17
1	1	hotspot	WCDMA1900	9400	1880	RMC	Right	10mm	\	22.31	23.50	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	WCDMA1900	9400	1880	RMC	Bottom	10mm	\	22.31	23.50	0.31	0.41	0.17	0.22	-0.04
1	1	hotspot	WCDMA1900	9400	1880	RMC	Top	10mm	\	22.31	23.50	<0.01	<0.01	<0.01	<0.01	\
1	14	body worn	WCDMA1900	9538	1907.6	RMC	Front	15mm	\	24.54	25.50	0.277	0.35	0.151	0.19	0.04
1	14	body worn	WCDMA1900	9400	1880	RMC	Front	15mm	\	24.51	25.50	0.295	0.37	0.167	0.21	-0.05
1	14	body worn	WCDMA1900	9262	1852.4	RMC	Front	15mm	\	24.63	25.50	0.286	0.35	0.163	0.20	0.06
1	14	body worn	WCDMA1900	9400	1880	RMC	Rear	17mm	\	24.51	25.50	0.154	0.19	0.102	0.13	-0.15
1	4	body worn	WCDMA1900	9538	1907.6	RMC	Rear	15mm	\	22.42	23.50	0.496	0.64	0.286	0.37	-0.12
1	4	body worn	WCDMA1900	9400	1880	RMC	Rear	15mm	\	22.31	23.50	0.476	0.63	0.266	0.35	0
1	4	body worn	WCDMA1900	9262	1852.4	RMC	Rear	15mm	\	22.34	23.50	0.441	0.58	0.253	0.33	-0.13
3	2	Head	WCDMA1900	9400	1880	RMC	Cheek Left	0mm	\	16.21	17.50	0.435	0.59	0.236	0.32	-0.01
3	2	Head	WCDMA1900	9400	1880	RMC	Tilt Left	0mm	\	16.21	17.50	0.447	0.60	0.232	0.31	-0.09
3	2	Head	WCDMA1900	9538	1907.6	RMC	Cheek Right	0mm	\	16.28	17.50	0.794	1.05	0.386	0.51	0.13
3	2	Head	WCDMA1900	9400	1880	RMC	Cheek Right	0mm	F.5	16.21	17.50	0.806	1.08	0.391	0.53	0.12
3	2	Head	WCDMA1900	9262	1852.4	RMC	Cheek Right	0mm	\	16.32	17.50	0.782	1.03	0.38	0.50	-0.08
3	2	Head	WCDMA1900	9538	1907.6	RMC	Tilt Right	0mm	\	16.28	17.50	0.783	1.04	0.369	0.49	0.05
3	2	Head	WCDMA1900	9400	1880	RMC	Tilt Right	0mm	\	16.21	17.50	0.764	1.03	0.36	0.48	0.02
3	2	Head	WCDMA1900	9262	1852.4	RMC	Tilt Right	0mm	\	16.32	17.50	0.723	0.95	0.343	0.45	-0.13
3	1	hotspot	WCDMA1900	9400	1880	RMC	Front	10mm	\	21.02	22.50	0.325	0.46	0.19	0.27	-0.01
3	1	hotspot	WCDMA1900	9400	1880	RMC	Rear	10mm	\	21.02	22.50	0.364	0.51	0.212	0.30	0.18
3	1	hotspot	WCDMA1900	9400	1880	RMC	Left	10mm	\	21.02	22.50	0.119	0.17	0.071	0.10	0.01
3	1	hotspot	WCDMA1900	9400	1880	RMC	Right	10mm	\	21.02	22.50	0.062	0.09	0.04	0.06	0
3	1	hotspot	WCDMA1900	9400	1880	RMC	Bottom	10mm	\	21.02	22.50	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	WCDMA1900	9538	1907.6	RMC	Top	10mm	\	20.94	22.50	0.422	0.60	0.224	0.32	-0.19
3	1	hotspot	WCDMA1900	9400	1880	RMC	Top	10mm	\	21.02	22.50	0.372	0.52	0.215	0.30	-0.08
3	1	hotspot	WCDMA1900	9262	1852.4	RMC	Top	10mm	\	21.04	22.50	0.354	0.50	0.203	0.28	0.02
3	14	body worn	WCDMA1900	9538	1907.6	RMC	Front	15mm	\	24.42	25.50	0.307	0.39	0.174	0.22	0.16
3	14	body worn	WCDMA1900	9400	1880	RMC	Front	15mm	\	24.32	25.50	0.348	0.46	0.196	0.26	0.17
3	14	body worn	WCDMA1900	9262	1852.4	RMC	Front	15mm	\	24.39	25.50	0.321	0.41	0.181	0.23	0.08
3	14	body worn	WCDMA1900	9400	1880	RMC	Rear	17mm	\	24.32	25.50	0.332	0.44	0.195	0.26	0.06
3	5	body worn	WCDMA1900	9538	1907.6	RMC	Rear	15mm	\	22.23	23.50	0.314	0.42	0.184	0.25	0.14
3	5	body worn	WCDMA1900	9400	1880	RMC	Rear	15mm	\	22.16	23.50	0.338	0.46	0.192	0.26	-0.13
3	5	body worn	WCDMA1900	9262	1852.4	RMC	Rear	15mm	\	22.25	23.50	0.306	0.41	0.178	0.24	0.02
1	2	Head	WCDMA1700	1513	1752.6	RMC	Cheek Left	0mm	\	24.62	25.50	0.232	0.28	0.159	0.19	0.06
1	2	Head	WCDMA1700	1412	1732.4	RMC	Cheek Left	0mm	\	24.48	25.50	0.29	0.37	0.192	0.24	0.11
1	2	Head	WCDMA1700	1312	1712.4	RMC	Cheek Left	0mm	\	24.57	25.50	0.272	0.34	0.186	0.23	0.02
1	2	Head	WCDMA1700	1412	1732.4	RMC	Tilt Left	0mm	\	24.48	25.50	0.163	0.21	0.101	0.13	0.12
1	2	Head	WCDMA1700	1412	1732.4	RMC	Cheek Right	0mm	\	24.48	25.50	0.225	0.28	0.151	0.19	-0.16
1	2	Head	WCDMA1700	1412	1732.4	RMC	Tilt Right	0mm	\	24.48	25.50	0.143	0.18	0.097	0.12	-0.12
1	1	hotspot	WCDMA1700	1412	1732.4	RMC	Front	10mm	\	22.27	23.50	0.324	0.43	0.204	0.27	0.01
1	1	hotspot	WCDMA1700	1513	1752.6	RMC	Rear	10mm	\	22.38	23.50	0.395	0.51	0.251	0.32	-0.16
1	1	hotspot	WCDMA1700	1412	1732.4	RMC	Rear	10mm	\	22.27	23.50	0.45	0.60	0.288	0.38	0.1
1	1	hotspot	WCDMA1700	1312	1712.4	RMC	Rear	10mm	\	22.31	23.50	0.49	0.64	0.311	0.41	0.17
1	1	hotspot	WCDMA1700	1412	1732.4	RMC	Left	10mm	\	22.27	23.50	0.319	0.42	0.193	0.26	-0.04
1	1	hotspot	WCDMA1700	1412	1732.4	RMC	Right	10mm	\	22.27	23.50	0.072	0.10	0.045	0.06	-0.01
1	1	hotspot	WCDMA1700	1412	1732.4	RMC	Bottom	10mm	\	22.27	23.50	0.425	0.56	0.253	0.34	0
1	1	hotspot	WCDMA1700	1412	1732.4	RMC	Top	10mm	\	22.27	23.50	<0.01	<0.01	<0.01	<0.01	\
1	14	body worn	WCDMA1700	1513	1752.6	RMC	Front	15mm	\	24.62	25.50	0.311	0.38	0.182	0.22	0.12
1	14	body worn	WCDMA1700	1412	1732.4	RMC	Front	15mm	\	24.48	25.50	0.324	0.41	0.204	0.26	0.01
1	14	body worn	WCDMA1700	1312	1712.4	RMC	Front	15mm	\	24.57	25.50	0.304	0.38	0.188	0.23	0.04
1	14	body worn	WCDMA1700	1412	1732.4	RMC	Rear	17mm	\	24.48	25.50	0.127	0.16	0.087	0.11	-0.02
1	4	body worn	WCDMA1700	1513	1752.6	RMC	Rear	15mm	\	22.38	23.50	0.395	0.51	0.251	0.32	-0.16
1	4	body worn	WCDMA1700	1412	1732.4	RMC	Rear	15mm	\	22.27	23.50	0.45	0.60	0.288	0.38	0.1
1	4	body worn	WCDMA1700	1312	1712.4	RMC	Rear	15mm	\	22.31	23.50	0.49	0.64	0.311	0.41	0.17
3	2	Head	WCDMA1700	1412	1732.4	RMC	Cheek Left	0mm	\	18.14	19.50	0.478	0.65	0.288	0.39	-0.11
3	2	Head	WCDMA1700	1412	1732.4	RMC	Tilt Left	0mm	\	18.14	19.50	0.447	0.61	0.264	0.36	-0.06
3	2	Head	WCDMA1700	1513	1752.6	RMC	Cheek Right	0mm	F.7	18.16	19.50	0.892	1.21	0.438	0.60	0.14
3	2	Head	WCDMA1700	1412	1732.4	RMC	Cheek Right	0mm	\	18.14	19.50	0.83	1.14	0.411	0.56	-0.15
3	2	Head	WCDMA1700	1312	1712.4	RMC	Cheek Right	0mm	\	18.22	19.50	0.76	1.02	0.373	0.50	0.03
3	2	Head	WCDMA1700	1412	1732.4	RMC	Tilt Right	0mm	\	18.14	19.50	0.78	1.07	0.384	0.53	-0.13
3	3	Head	WCDMA1700	1412	1732.4	RMC	Cheek Left	0mm	\	16.80	18.50	0.234	0.35	0.134	0.20	0.01
3	3	Head	WCDMA1700	1412	1732.4	RMC	Tilt Left	0mm	\	16.80	18.50	0.218	0.32	0.123	0.18	0.1
3	3	Head	WCDMA1700	1513	1752.6	RMC	Cheek Right	0mm	\	16.75	18.50	0.436	0.65	0.204	0.31	0.16
3	3	Head	WCDMA1700	1412	1732.4	RMC	Cheek Right	0mm	\	16.80	18.50	0.406	0.60	0.191	0.28	0.08
3	3	Head	WCDMA1700	1312	1712.4	RMC	Cheek Right	0mm	\	16.81	18.50	0.371	0.55	0.174	0.26	-0.06
3	3	Head	WCDMA1700	1412	1732.4	RMC	Tilt Right	0mm	\	16.80	18.50	0.381	0.56	0.179	0.26	-0.12

3	1	hotspot	WCDMA1700	1412	1732.4	RMC	Front	10mm	\	22.03	22.50	0.46	0.51	0.249	0.28	-0.09
3	1	hotspot	WCDMA1700	1513	1752.6	RMC	Rear	10mm	\	22.01	22.50	0.503	0.56	0.284	0.32	0.07
3	1	hotspot	WCDMA1700	1412	1732.4	RMC	Rear	10mm	F.8	22.03	22.50	0.512	0.57	0.286	0.32	0.15
3	1	hotspot	WCDMA1700	1312	1712.4	RMC	Rear	10mm	\	21.95	22.50	0.43	0.49	0.242	0.27	-0.09
3	1	hotspot	WCDMA1700	1412	1732.4	RMC	Left	10mm	\	22.03	22.50	0.143	0.16	0.081	0.09	-0.16
3	1	hotspot	WCDMA1700	1412	1732.4	RMC	Right	10mm	\	22.03	22.50	0.056	0.06	0.033	0.04	-0.18
3	1	hotspot	WCDMA1700	1412	1732.4	RMC	Bottom	10mm	\	22.03	22.50	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	WCDMA1700	1412	1732.4	RMC	Top	10mm	\	22.03	22.50	0.45	0.50	0.23	0.26	-0.07
3	14	body worn	WCDMA1700	1513	1752.6	RMC	Front	15mm	\	24.41	25.50	0.456	0.59	0.211	0.27	0.08
3	14	body worn	WCDMA1700	1412	1732.4	RMC	Front	15mm	\	24.22	25.50	0.46	0.62	0.249	0.33	-0.09
3	14	body worn	WCDMA1700	1312	1712.4	RMC	Front	15mm	\	24.37	25.50	0.42	0.54	0.205	0.27	-0.12
3	14	body worn	WCDMA1700	1412	1732.4	RMC	Rear	17mm	\	24.22	25.50	0.239	0.32	0.139	0.19	-0.02
3	5	body worn	WCDMA1700	1513	1752.6	RMC	Rear	15mm	\	22.24	23.50	0.503	0.67	0.284	0.38	0.07
3	5	body worn	WCDMA1700	1412	1732.4	RMC	Rear	15mm	\	22.11	23.50	0.512	0.71	0.286	0.39	0.15
3	5	body worn	WCDMA1700	1312	1712.4	RMC	Rear	15mm	\	22.21	23.50	0.43	0.58	0.242	0.33	-0.09
0	2	Head	WCDMA 850	4183	836.6	RMC	Cheek Left	0mm	\	24.50	25.50	0.221	0.28	0.175	0.22	0.11
0	2	Head	WCDMA 850	4183	836.6	RMC	Tilt Left	0mm	\	24.50	25.50	0.166	0.21	0.136	0.17	-0.08
0	2	Head	WCDMA 850	4233	846.6	RMC	Cheek Right	0mm	\	24.63	25.50	0.266	0.32	0.21	0.26	-0.1
0	2	Head	WCDMA 850	4183	836.6	RMC	Cheek Right	0mm	\	24.50	25.50	0.275	0.35	0.215	0.27	-0.12
0	2	Head	WCDMA 850	4132	826.4	RMC	Cheek Right	0mm	\	24.62	25.50	0.269	0.33	0.213	0.26	-0.01
0	2	Head	WCDMA 850	4183	836.6	RMC	Tilt Right	0mm	\	24.50	25.50	0.177	0.22	0.143	0.18	-0.09
0	1	hotspot	WCDMA 850	4183	836.6	RMC	Front	10mm	\	24.50	25.50	0.388	0.49	0.239	0.30	0.1
0	1	hotspot	WCDMA 850	4233	846.6	RMC	Rear	10mm	\	24.63	25.50	0.714	0.87	0.406	0.50	0.16
0	1	hotspot	WCDMA 850	4183	836.6	RMC	Rear	10mm	F.10	24.50	25.50	0.765	0.96	0.433	0.55	-0.01
0	1	hotspot	WCDMA 850	4132	826.4	RMC	Rear	10mm	\	24.62	25.50	0.694	0.85	0.397	0.49	-0.06
0	1	hotspot	WCDMA 850	4183	836.6	RMC	Left	10mm	\	24.50	25.50	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	WCDMA 850	4183	836.6	RMC	Right	10mm	\	24.50	25.50	0.323	0.41	0.212	0.27	0.02
0	1	hotspot	WCDMA 850	4183	836.6	RMC	Bottom	10mm	\	24.50	25.50	0.602	0.76	0.316	0.40	-0.16
0	1	hotspot	WCDMA 850	4183	836.6	RMC	Top	10mm	\	24.50	25.50	<0.01	<0.01	<0.01	<0.01	\
0	14	body worn	WCDMA 850	4183	836.6	RMC	Front	15mm	\	24.50	25.50	0.262	0.33	0.16	0.20	-0.06
0	14	body worn	WCDMA 850	4233	846.6	RMC	Rear	15mm	\	24.63	25.50	0.354	0.43	0.214	0.26	0.16
0	14	body worn	WCDMA 850	4183	836.6	RMC	Rear	15mm	\	24.50	25.50	0.379	0.48	0.228	0.29	-0.01
0	14	body worn	WCDMA 850	4132	826.4	RMC	Rear	15mm	\	24.62	25.50	0.344	0.42	0.209	0.26	-0.06
3	2	Head	WCDMA850	4183	836.6	RMC	Cheek Left	0mm	\	23.00	24.50	0.572	0.81	0.429	0.61	0.05
3	2	Head	WCDMA850	4183	836.6	RMC	Tilt Left	0mm	\	23.00	24.50	0.415	0.59	0.3	0.42	-0.03
3	2	Head	WCDMA850	4233	846.6	RMC	Cheek Right	0mm	\	23.14	24.50	0.778	1.06	0.483	0.66	0.17
3	2	Head	WCDMA850	4183	836.6	RMC	Cheek Right	0mm	F.9	23.00	24.50	0.855	1.21	0.529	0.75	0.1
3	2	Head	WCDMA850	4132	826.4	RMC	Cheek Right	0mm	\	23.12	24.50	0.8	1.10	0.495	0.68	-0.15
3	2	Head	WCDMA850	4183	836.6	RMC	Tilt Right	0mm	\	23.00	24.50	0.777	1.10	0.435	0.61	0.16
3	3	Head	WCDMA850	4183	836.6	RMC	Cheek Left	0mm	\	21.05	22.50	0.219	0.31	0.174	0.24	-0.06
3	3	Head	WCDMA850	4183	836.6	RMC	Tilt Left	0mm	\	21.05	22.50	0.159	0.22	0.122	0.17	-0.05
3	3	Head	WCDMA850	4233	846.6	RMC	Cheek Right	0mm	\	20.97	22.50	0.298	0.42	0.196	0.28	0.14
3	3	Head	WCDMA850	4183	836.6	RMC	Cheek Right	0mm	\	21.05	22.50	0.328	0.46	0.215	0.30	0.17
3	3	Head	WCDMA850	4132	826.4	RMC	Cheek Right	0mm	\	21.03	22.50	0.307	0.43	0.201	0.28	0
3	3	Head	WCDMA850	4183	836.6	RMC	Tilt Right	0mm	\	21.05	22.50	0.298	0.42	0.177	0.25	0.01
3	1	hotspot	WCDMA850	4183	836.6	RMC	Front	10mm	\	24.67	25.50	0.305	0.37	0.199	0.24	-0.14
3	1	hotspot	WCDMA850	4233	846.6	RMC	Rear	10mm	\	24.75	25.50	0.349	0.41	0.227	0.27	-0.18
3	1	hotspot	WCDMA850	4183	836.6	RMC	Rear	10mm	\	24.67	25.50	0.377	0.46	0.248	0.30	-0.06
3	1	hotspot	WCDMA850	4132	826.4	RMC	Rear	10mm	\	24.71	25.50	0.387	0.46	0.252	0.30	0.11
3	1	hotspot	WCDMA850	4183	836.6	RMC	Left	10mm	\	24.67	25.50	0.179	0.22	0.082	0.10	0.02
3	1	hotspot	WCDMA850	4183	836.6	RMC	Right	10mm	\	24.67	25.50	0.119	0.14	0.081	0.10	0.16
3	1	hotspot	WCDMA850	4183	836.6	RMC	Bottom	10mm	\	24.67	25.50	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	WCDMA850	4183	836.6	RMC	Top	10mm	\	24.67	25.50	0.261	0.32	0.15	0.18	0.01
3	14	body worn	WCDMA850	4183	836.6	RMC	Front	15mm	\	24.67	25.50	0.305	0.37	0.199	0.24	-0.14
3	14	body worn	WCDMA850	4233	846.6	RMC	Rear	15mm	\	24.75	25.50	0.349	0.41	0.227	0.27	-0.18
3	14	body worn	WCDMA850	4183	836.6	RMC	Rear	15mm	\	24.67	25.50	0.377	0.46	0.248	0.30	-0.06
3	14	body worn	WCDMA850	4132	826.4	RMC	Rear	15mm	\	24.71	25.50	0.387	0.46	0.252	0.30	0.11
3	2	Head	LTE Band7	21100	2535	1RB-Low	Cheek Left	0mm	\	18.48	19.00	0.173	0.20	0.098	0.11	-0.04
3	2	Head	LTE Band7	21100	2535	1RB-Low	Tilt Left	0mm	\	18.48	19.00	0.23	0.26	0.122	0.14	0.13
3	2	Head	LTE Band7	20850	2510	1RB-Low	Cheek Right	0mm	\	18.26	19.00	0.806	0.96	0.349	0.41	0.17
3	2	Head	LTE Band7	21100	2535	1RB-Low	Cheek Right	0mm	F.11	18.48	19.00	0.933	1.05	0.422	0.48	0.08
3	2	Head	LTE Band7	21350	2560	1RB-Low	Cheek Right	0mm	\	18.02	19.00	0.824	1.03	0.353	0.44	0.05
3	2	Head	LTE Band7	21100	2535	1RB-Low	Tilt Right	0mm	\	18.48	19.00	0.77	0.87	0.381	0.43	0.12
3	2	Head	LTE Band7	21100	2535	50RB-Mid	Cheek Left	0mm	\	18.37	19.00	0.176	0.20	0.098	0.11	0.07
3	2	Head	LTE Band7	21100	2535	50RB-Mid	Tilt Left	0mm	\	18.37	19.00	0.219	0.25	0.119	0.14	0.08
3	2	Head	LTE Band7	21100	2535	50RB-Mid	Cheek Right	0mm	\	18.37	19.00	0.625	0.72	0.351	0.41	0.19
3	2	Head	LTE Band7	21100	2535	50RB-Mid	Tilt Right	0mm	\	18.37	19.00	0.783	0.91	0.39	0.45	-0.06
3	2	Head	LTE Band7	20850	2510	100RB	Cheek Right	0mm	\	18.37	19.00	0.906	1.05	0.377	0.44	0.03
3	1	hotspot	LTE Band7	21100	2535	1RB-Mid	Front	10mm	\	20.39	21.00	0.398	0.46	0.188	0.22	0.02
3	1	hotspot	LTE Band7	21100	2535	1RB-Mid	Rear	10mm	\	20.39	21.00	0.575	0.66	0.261	0.30	-0.03
3	1	hotspot	LTE Band7	21100	2535	1RB-Mid	Left	10mm	\	20.39	21.00	0.385	0.44	0.193	0.22	0
3	1	hotspot	LTE Band7	21100	2535	1RB-Mid	Right	10mm	\	20.39	21.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band7	21100	2535	1RB-Mid	Bottom	10mm	\	20.39	21.00	0.076	0.09	0.031	0.04	-0.1
3	1	hotspot	LTE Band7	20850	2510	1RB-Mid	Top	10mm	\	20.29	21.00	0.69	0.81	0.293	0.35	0.05
3	1	hotspot	LTE Band7	21100	2535	1RB-Mid	Top	10mm	\	20.39	21.00	0.76	0.87	0.32	0.37	0
3	1	hotspot	LTE Band7	21350	2560	1RB-Mid	Top	10mm	F.12	20.04	21.00	0.802	1.00	0.348	0.43	-0.13
3	1	hotspot	LTE Band7	21100	2535	50RB-Mid	Front	10mm	\	20.38	21.00	0.392	0.45	0.192	0.22	0.07
3	1	hotspot	LTE Band7	21100	2535	50RB-Mid	Rear	10mm	\	20.38	21.00	0.615	0.71	0.284	0.33	0.15
3	1	hotspot	LTE Band7	21100	2535	50RB-Mid	Left	10mm	\	20.38	21.00	0.416	0.48	0.205	0.24	-0.05
3	1	hotspot	LTE Band7	21100	2535	50RB-Mid	Right	10mm	\	20.38	21.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band7	21100	2535	50RB-Mid	Bottom	10mm	\	20.38	21.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band7	21100	2535	50RB-Mid	Top	10mm	\	20.38	21.00	0.738	0.85	0.305	0.35	-0.08
3	1	hotspot	LTE Band7	20850	2510	100RB	Top	10mm	\	20.29	21.00	0.754	0.89	0.306	0.36	0.08
3	14	body														

0	2	Head	LTE Band12	23060	704	1RB-Low	Cheek Left	0mm	\	24.13	25.00	0.069	0.08	0.055	0.07	-0.08
0	2	Head	LTE Band12	23060	704	1RB-Low	Tilt Left	0mm	\	24.13	25.00	0.038	0.05	0.028	0.03	-0.13
0	2	Head	LTE Band12	23060	704	1RB-Low	Cheek Right	0mm	\	24.13	25.00	0.06	0.07	0.049	0.06	0.01
0	2	Head	LTE Band12	23060	704	1RB-Low	Tilt Right	0mm	\	24.13	25.00	0.081	0.10	0.067	0.08	0.17
0	2	Head	LTE Band12	23060	704	25RB-Low	Cheek Left	0mm	\	23.20	24.00	0.044	0.05	0.034	0.04	-0.11
0	2	Head	LTE Band12	23060	704	25RB-Low	Tilt Left	0mm	\	23.20	24.00	0.036	0.04	0.031	0.04	0.03
0	2	Head	LTE Band12	23060	704	25RB-Low	Cheek Right	0mm	\	23.20	24.00	0.042	0.05	0.034	0.04	-0.05
0	2	Head	LTE Band12	23060	704	25RB-Low	Tilt Right	0mm	\	23.20	24.00	0.063	0.08	0.052	0.06	0.14
0	1	hotspot	LTE Band12	23060	704	1RB-Low	Front	10mm	\	24.13	25.00	0.117	0.14	0.088	0.11	0.17
0	1	hotspot	LTE Band12	23060	704	1RB-Low	Rear	10mm	\	24.13	25.00	0.141	0.17	0.088	0.11	-0.16
0	1	hotspot	LTE Band12	23060	704	1RB-Low	Left	10mm	\	24.13	25.00	0.087	0.11	0.06	0.07	-0.17
0	1	hotspot	LTE Band12	23060	704	1RB-Low	Right	10mm	F.14	24.13	25.00	0.187	0.23	0.13	0.16	0
0	1	hotspot	LTE Band12	23060	704	1RB-Low	Bottom	10mm	\	24.13	25.00	0.092	0.11	0.049	0.06	0.11
0	1	hotspot	LTE Band12	23060	704	1RB-Low	Top	10mm	\	24.13	25.00	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	LTE Band12	23060	704	25RB-Low	Front	10mm	\	23.20	24.00	0.097	0.12	0.072	0.09	-0.05
0	1	hotspot	LTE Band12	23060	704	25RB-Low	Rear	10mm	\	23.20	24.00	0.114	0.14	0.071	0.09	-0.01
0	1	hotspot	LTE Band12	23060	704	25RB-Low	Left	10mm	\	23.20	24.00	0.071	0.09	0.048	0.06	-0.14
0	1	hotspot	LTE Band12	23060	704	25RB-Low	Right	10mm	\	23.20	24.00	0.155	0.19	0.107	0.13	-0.15
0	1	hotspot	LTE Band12	23060	704	25RB-Low	Bottom	10mm	\	23.20	24.00	0.075	0.09	0.041	0.05	-0.12
0	1	hotspot	LTE Band12	23060	704	25RB-Low	Top	10mm	\	23.20	24.00	<0.01	<0.01	<0.01	<0.01	\
0	14	body worn	LTE Band12	23060	704	1RB-Low	Front	15mm	\	24.13	25.00	0.16	0.20	0.126	0.15	0.19
0	14	body worn	LTE Band12	23060	704	1RB-Low	Rear	15mm	\	24.13	25.00	0.141	0.17	0.088	0.11	-0.16
0	14	body worn	LTE Band12	23060	704	25RB-Low	Front	15mm	\	23.20	24.00	0.097	0.12	0.072	0.09	-0.05
0	14	body worn	LTE Band12	23060	704	25RB-Low	Rear	15mm	\	23.20	24.00	0.114	0.14	0.071	0.09	-0.01
3	2	Head	LTE Band12	23095	707.5	1RB-Mid	Cheek Left	0mm	\	22.97	24.00	0.139	0.18	0.108	0.14	-0.17
3	2	Head	LTE Band12	23095	707.5	1RB-Mid	Tilt Left	0mm	\	22.97	24.00	0.182	0.23	0.131	0.17	0.08
3	2	Head	LTE Band12	23095	707.5	1RB-Mid	Cheek Right	0mm	F.13	22.97	24.00	0.39	0.49	0.249	0.32	0.01
3	2	Head	LTE Band12	23095	707.5	1RB-Mid	Tilt Right	0mm	\	22.97	24.00	0.326	0.41	0.204	0.26	0.01
3	2	Head	LTE Band12	23095	707.5	25RB-Mid	Cheek Left	0mm	\	22.87	24.00	0.178	0.23	0.141	0.18	0.02
3	2	Head	LTE Band12	23095	707.5	25RB-Mid	Tilt Left	0mm	\	22.87	24.00	0.222	0.29	0.159	0.21	-0.11
3	2	Head	LTE Band12	23095	707.5	25RB-Mid	Cheek Right	0mm	\	22.87	24.00	0.369	0.48	0.237	0.31	-0.01
3	2	Head	LTE Band12	23095	707.5	25RB-Mid	Tilt Right	0mm	\	22.87	24.00	0.343	0.44	0.216	0.28	0.09
3	1	hotspot	LTE Band12	23060	704	1RB-Mid	Front	10mm	\	23.99	25.00	0.104	0.13	0.064	0.08	0.05
3	1	hotspot	LTE Band12	23060	704	1RB-Mid	Rear	10mm	\	23.99	25.00	0.125	0.16	0.076	0.10	0.08
3	1	hotspot	LTE Band12	23060	704	1RB-Mid	Left	10mm	\	23.99	25.00	0.14	0.18	0.081	0.10	0.18
3	1	hotspot	LTE Band12	23060	704	1RB-Mid	Right	10mm	\	23.99	25.00	0.079	0.10	0.046	0.06	-0.18
3	1	hotspot	LTE Band12	23060	704	1RB-Mid	Bottom	10mm	\	23.99	25.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band12	23060	704	1RB-Mid	Top	10mm	\	23.99	25.00	0.079	0.10	0.038	0.05	-0.03
3	1	hotspot	LTE Band12	23060	704	25RB-Mid	Front	10mm	\	23.07	24.00	0.08	0.10	0.05	0.06	-0.04
3	1	hotspot	LTE Band12	23060	704	25RB-Mid	Rear	10mm	\	23.07	24.00	0.093	0.12	0.056	0.07	-0.09
3	1	hotspot	LTE Band12	23060	704	25RB-Mid	Left	10mm	\	23.07	24.00	0.11	0.14	0.063	0.08	0.18
3	1	hotspot	LTE Band12	23060	704	25RB-Mid	Right	10mm	\	23.07	24.00	0.061	0.08	0.035	0.04	0.11
3	1	hotspot	LTE Band12	23060	704	25RB-Mid	Bottom	10mm	\	23.07	24.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band12	23060	704	25RB-Mid	Top	10mm	\	23.07	24.00	0.066	0.08	0.032	0.04	0.07
3	14	body worn	LTE Band12	23060	704	1RB-Mid	Front	15mm	\	23.99	25.00	0.105	0.13	0.101	0.13	0.1
3	14	body worn	LTE Band12	23060	704	1RB-Mid	Rear	15mm	\	23.99	25.00	0.125	0.16	0.076	0.10	0.08
3	14	body worn	LTE Band12	23060	704	25RB-Mid	Front	15mm	\	23.07	24.00	0.081	0.10	0.078	0.10	0.15
3	14	body worn	LTE Band12	23060	704	25RB-Mid	Rear	15mm	\	23.07	24.00	0.093	0.12	0.056	0.07	-0.09
1	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Cheek Left	0mm	\	23.96	25.00	0.349	0.44	0.226	0.29	0.15
1	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Tilt Left	0mm	\	23.96	25.00	0.186	0.24	0.119	0.15	-0.03
1	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Cheek Right	0mm	\	23.96	25.00	0.227	0.29	0.146	0.19	0.09
1	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Tilt Right	0mm	\	23.96	25.00	0.197	0.25	0.121	0.15	-0.08
1	2	Head	LTE Band25	26365	1882.5	50RB-Low	Cheek Left	0mm	\	23.10	25.00	0.258	0.40	0.164	0.25	-0.05
1	2	Head	LTE Band25	26365	1882.5	50RB-Low	Tilt Left	0mm	\	23.10	25.00	0.136	0.21	0.085	0.13	-0.03
1	2	Head	LTE Band25	26365	1882.5	50RB-Low	Cheek Right	0mm	\	23.10	25.00	0.165	0.26	0.107	0.17	0.17
1	2	Head	LTE Band25	26365	1882.5	50RB-Low	Tilt Right	0mm	\	23.10	25.00	0.151	0.23	0.093	0.14	-0.14
1	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Front	10mm	\	21.03	22.00	0.244	0.31	0.143	0.18	0.18
1	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Rear	10mm	\	21.03	22.00	0.347	0.43	0.203	0.25	-0.11
1	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Left	10mm	\	21.03	22.00	0.208	0.26	0.123	0.15	-0.05
1	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Right	10mm	\	21.03	22.00	0.091	0.11	0.052	0.07	-0.04
1	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Bottom	10mm	\	21.03	22.00	0.257	0.32	0.14	0.18	-0.08
1	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Top	10mm	\	21.03	22.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Front	10mm	\	21.12	22.00	0.262	0.32	0.154	0.19	0
1	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Rear	10mm	\	21.12	22.00	0.383	0.47	0.224	0.27	-0.16
1	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Left	10mm	\	21.12	22.00	0.244	0.30	0.145	0.18	-0.14
1	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Right	10mm	\	21.12	22.00	0.091	0.11	0.054	0.07	0.01
1	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Bottom	10mm	\	21.12	22.00	0.256	0.31	0.145	0.18	0.18
1	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Top	10mm	\	21.12	22.00	<0.01	<0.01	<0.01	<0.01	\
1	14	body worn	LTE Band25	26365	1882.5	1RB-Mid	Front	15mm	\	23.96	25.00	0.244	0.31	0.143	0.18	0.18
1	14	body worn	LTE Band25	26365	1882.5	1RB-Mid	Rear	17mm	\	23.96	25.00	0.1	0.13	0.064	0.08	-0.06
1	14	body worn	LTE Band25	26365	1882.5	50RB-Low	Front	15mm	\	23.10	25.00	0.262	0.41	0.154	0.24	0
1	14	body worn	LTE Band25	26590	1905	50RB-Low	Rear	17mm	\	23.10	25.00	0.124	0.19	0.075	0.12	0.12
1	4	body worn	LTE Band25	26365	1882.5	1RB-Mid	Rear	15mm	\	22.17	23.00	0.347	0.42	0.203	0.25	-0.11
1	4	body worn	LTE Band25	26140	1860	50RB-Mid	Rear	15mm	\	22.28	23.00	0.383	0.45	0.224	0.26	-0.16
3	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Cheek Left	0mm	\	15.83	17.00	0.403	0.53	0.216	0.28	0.02
3	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Tilt Left	0mm	\	15.83	17.00	0.419	0.55	0.218	0.29	0.16
3	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Cheek Right	0mm	\	15.83	17.00	0.618	0.81	0.307	0.40	0.06
3	2	Head	LTE Band25	26365	1882.5	1RB-Mid	Tilt Right	0mm	\	15.83	17.00	0.56	0.73	0.274	0.36	-0.02
3	2	Head	LTE Band25	26365	1882.5	50RB-Mid	Cheek Left	0mm	\	15.82	17.00	0.261	0.34	0.148	0.19	0.07
3	2	Head	LTE Band25	26365	1882.5	50RB-Mid	Tilt Left	0mm	\	15.82	17.00	0.324	0.43	0.173	0.23	-0.17
3	2	Head	LTE Band25	26590	1905	50RB-Mid	Cheek Right	0mm	\	15.77	17.00	0.607	0.81	0.302	0.40	-0.08
3	2	Head	LTE Band25	26365	1882.5	50RB-Mid	Cheek Right	0mm	F.15	15.82	17.00	0.65	0.85	0.31	0.41	0.13
3	2	Head	LTE Band25	26140	1860	50RB-Mid	Cheek Right	0mm								

3	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Front	10mm	\	20.58	22.00	0.685	0.95	0.344	0.48	0.11
3	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Rear	10mm	\	20.58	22.00	0.753	1.04	0.377	0.52	-0.07
3	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Left	10mm	\	20.58	22.00	0.296	0.41	0.151	0.21	0.18
3	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Right	10mm	\	20.58	22.00	0.128	0.18	0.073	0.10	0.12
3	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Bottom	10mm	\	20.58	22.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band25	26365	1882.5	1RB-Mid	Top	10mm	\	20.58	22.00	0.756	1.05	0.361	0.50	0.07
3	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Front	10mm	\	20.69	22.00	0.728	0.98	0.361	0.49	0.15
3	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Rear	10mm	\	20.69	22.00	0.597	0.81	0.311	0.42	0.14
3	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Left	10mm	\	20.69	22.00	0.3	0.41	0.154	0.21	-0.03
3	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Right	10mm	\	20.69	22.00	0.126	0.17	0.071	0.10	-0.14
3	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Bottom	10mm	\	20.69	22.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band25	26590	1905	50RB-Mid	Top	10mm	\	20.62	22.00	0.751	1.03	0.358	0.49	-0.13
3	1	hotspot	LTE Band25	26365	1882.5	50RB-Mid	Top	10mm	F.19	20.69	22.00	0.791	1.07	0.39	0.53	-0.12
3	1	hotspot	LTE Band25	26140	1860	50RB-Mid	Top	10mm	\	20.65	22.00	0.693	0.95	0.352	0.48	0.05
3	1	hotspot	LTE Band25	26140	1860	100RB	Top	10mm	\	20.78	22.00	0.755	1.00	0.361	0.48	0.08
3	14	body worn	LTE Band25	26590	1905	1RB-Mid	Front	15mm	\	23.94	25.00	0.296	0.38	0.17	0.22	0.11
3	14	body worn	LTE Band25	26590	1905	1RB-Mid	Rear	17mm	\	23.94	25.00	0.191	0.24	0.109	0.14	0
3	14	body worn	LTE Band25	26590	1905	50RB-Mid	Front	15mm	\	22.98	24.00	0.314	0.40	0.178	0.23	0.15
3	14	body worn	LTE Band25	26590	1905	50RB-Mid	Rear	17mm	\	22.98	24.00	0.187	0.24	0.106	0.13	-0.17
3	5	body worn	LTE Band25	26365	1882.5	1RB-Mid	Rear	15mm	\	21.86	23.00	0.325	0.42	0.186	0.24	-0.16
3	5	body worn	LTE Band25	26365	1882.5	50RB-Mid	Rear	15mm	\	21.86	23.00	0.258	0.34	0.153	0.20	0.14
0	2	Head	LTE Band26	26775	822.5	1RB-High	Cheek Left	0mm	\	24.02	25.00	0.187	0.23	0.147	0.18	0.17
0	2	Head	LTE Band26	26775	822.5	1RB-High	Tilt Left	0mm	\	24.02	25.00	0.11	0.14	0.093	0.12	0.11
0	2	Head	LTE Band26	26775	822.5	1RB-High	Cheek Right	0mm	\	24.02	25.00	0.233	0.29	0.184	0.23	0.2
0	2	Head	LTE Band26	26775	822.5	1RB-High	Tilt Right	0mm	\	24.02	25.00	0.133	0.17	0.11	0.14	0.07
0	2	Head	LTE Band26	26775	822.5	36RB-High	Cheek Left	0mm	\	23.16	24.00	0.139	0.17	0.114	0.14	-0.04
0	2	Head	LTE Band26	26775	822.5	36RB-High	Tilt Left	0mm	\	23.16	24.00	0.088	0.11	0.072	0.09	-0.18
0	2	Head	LTE Band26	26775	822.5	36RB-High	Cheek Right	0mm	\	23.16	24.00	0.187	0.23	0.148	0.18	-0.13
0	2	Head	LTE Band26	26775	822.5	36RB-High	Tilt Right	0mm	\	23.16	24.00	0.111	0.13	0.09	0.11	-0.13
0	1	hotspot	LTE Band26	26775	822.5	1RB-High	Front	10mm	\	24.02	25.00	0.325	0.41	0.2	0.25	-0.05
0	1	hotspot	LTE Band26	26775	822.5	1RB-High	Rear	10mm	F.18	24.02	25.00	0.568	0.71	0.326	0.41	-0.13
0	1	hotspot	LTE Band26	26775	822.5	1RB-High	Left	10mm	\	24.02	25.00	0.132	0.17	0.086	0.11	-0.07
0	1	hotspot	LTE Band26	26775	822.5	1RB-High	Right	10mm	\	24.02	25.00	0.251	0.31	0.17	0.21	0.1
0	1	hotspot	LTE Band26	26775	822.5	1RB-High	Bottom	10mm	\	24.02	25.00	0.42	0.53	0.218	0.27	-0.11
0	1	hotspot	LTE Band26	26775	822.5	1RB-High	Top	10mm	\	24.02	25.00	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	LTE Band26	26775	822.5	36RB-High	Front	10mm	\	23.16	24.00	0.252	0.31	0.152	0.18	-0.02
0	1	hotspot	LTE Band26	26775	822.5	36RB-High	Rear	10mm	\	23.16	24.00	0.439	0.53	0.25	0.30	-0.1
0	1	hotspot	LTE Band26	26775	822.5	36RB-High	Left	10mm	\	23.16	24.00	0.099	0.12	0.064	0.08	0.14
0	1	hotspot	LTE Band26	26775	822.5	36RB-High	Right	10mm	\	23.16	24.00	0.173	0.21	0.115	0.14	0.04
0	1	hotspot	LTE Band26	26775	822.5	36RB-High	Bottom	10mm	\	23.16	24.00	0.314	0.38	0.166	0.20	-0.05
0	1	hotspot	LTE Band26	26775	822.5	36RB-High	Top	10mm	\	23.16	24.00	<0.01	<0.01	<0.01	<0.01	\
0	14	body worn	LTE Band26	26775	822.5	1RB-High	Front	15mm	\	24.02	25.00	0.186	0.23	0.12	0.15	-0.05
0	14	body worn	LTE Band26	26775	822.5	1RB-High	Rear	15mm	\	24.02	25.00	0.325	0.41	0.196	0.25	-0.1
0	14	body worn	LTE Band26	26775	822.5	36RB-High	Front	15mm	\	23.16	24.00	0.144	0.17	0.091	0.11	-0.02
0	14	body worn	LTE Band26	26775	822.5	36RB-High	Rear	15mm	\	23.16	24.00	0.251	0.30	0.15	0.18	-0.1
3	2	Head	LTE Band26	26865	831.5	1RB-Mid	Cheek Left	0mm	\	22.74	24.00	0.519	0.69	0.387	0.52	-0.04
3	2	Head	LTE Band26	26865	831.5	1RB-Mid	Tilt Left	0mm	\	22.74	24.00	0.481	0.64	0.326	0.44	0.14
3	2	Head	LTE Band26	26965	841.5	1RB-Mid	Cheek Right	0mm	\	22.62	24.00	0.628	0.86	0.348	0.48	-0.11
3	2	Head	LTE Band26	26865	831.5	1RB-Mid	Cheek Right	0mm	F.17	22.74	24.00	0.679	0.91	0.432	0.58	0.03
3	2	Head	LTE Band26	26775	822.5	1RB-Mid	Cheek Right	0mm	\	22.66	24.00	0.611	0.83	0.335	0.46	0.06
3	2	Head	LTE Band26	26865	831.5	1RB-Mid	Tilt Right	0mm	\	22.74	24.00	0.386	0.52	0.26	0.35	0.03
3	2	Head	LTE Band26	26865	831.5	36RB-Mid	Cheek Left	0mm	\	22.79	24.00	0.496	0.66	0.366	0.48	0.16
3	2	Head	LTE Band26	26865	831.5	36RB-Mid	Tilt Left	0mm	\	22.79	24.00	0.358	0.47	0.245	0.32	0.01
3	2	Head	LTE Band26	26865	831.5	36RB-Mid	Cheek Right	0mm	\	22.79	24.00	0.51	0.67	0.367	0.48	-0.06
3	2	Head	LTE Band26	26865	831.5	36RB-Mid	Tilt Right	0mm	\	22.79	24.00	0.392	0.52	0.267	0.35	0.14
3	2	Head	LTE Band26	26965	841.5	100RB	Cheek Right	0mm	\	22.73	24.00	0.632	0.85	0.411	0.55	0.07
3	1	hotspot	LTE Band26	26865	831.5	1RB-Mid	Front	10mm	\	23.93	25.00	0.288	0.37	0.192	0.25	-0.04
3	1	hotspot	LTE Band26	26865	831.5	1RB-Mid	Rear	10mm	\	23.93	25.00	0.344	0.44	0.231	0.30	0.04
3	1	hotspot	LTE Band26	26865	831.5	1RB-Mid	Left	10mm	\	23.93	25.00	0.153	0.20	0.104	0.13	0.12
3	1	hotspot	LTE Band26	26865	831.5	1RB-Mid	Right	10mm	\	23.93	25.00	0.081	0.10	0.056	0.07	0.09
3	1	hotspot	LTE Band26	26865	831.5	1RB-Mid	Bottom	10mm	\	23.93	25.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band26	26865	831.5	1RB-Mid	Top	10mm	\	23.93	25.00	0.266	0.34	0.168	0.21	-0.02
3	1	hotspot	LTE Band26	26865	831.5	36RB-Mid	Front	10mm	\	22.98	24.00	0.235	0.30	0.158	0.20	-0.16
3	1	hotspot	LTE Band26	26865	831.5	36RB-Mid	Rear	10mm	\	22.98	24.00	0.281	0.36	0.19	0.24	-0.03
3	1	hotspot	LTE Band26	26865	831.5	36RB-Mid	Left	10mm	\	22.98	24.00	0.125	0.16	0.084	0.11	-0.06
3	1	hotspot	LTE Band26	26865	831.5	36RB-Mid	Right	10mm	\	22.98	24.00	0.076	0.10	0.051	0.06	0.08
3	1	hotspot	LTE Band26	26865	831.5	36RB-Mid	Bottom	10mm	\	22.98	24.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band26	26865	831.5	36RB-Mid	Top	10mm	\	22.98	24.00	0.222	0.28	0.132	0.17	-0.07
3	14	body worn	LTE Band26	26865	831.5	1RB-Mid	Front	15mm	\	23.93	25.00	0.288	0.37	0.192	0.25	-0.04
3	14	body worn	LTE Band26	26865	831.5	1RB-Mid	Rear	15mm	\	23.93	25.00	0.344	0.44	0.231	0.30	0.04
3	14	body worn	LTE Band26	26865	831.5	36RB-Mid	Front	15mm	\	22.98	24.00	0.235	0.30	0.158	0.20	-0.16
3	14	body worn	LTE Band26	26865	831.5	36RB-Mid	Rear	15mm	\	22.98	24.00	0.281	0.36	0.19	0.24	-0.03

3	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Cheek Left	0mm	\	21.12	21.50	0.286	0.31	0.136	0.15	0.11
3	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Tilt Left	0mm	\	21.12	21.50	0.335	0.37	0.154	0.17	-0.13
3	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Cheek Right	0mm	\	21.12	21.50	1.1	1.20	0.504	0.55	0.04
3	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Tilt Right	0mm	\	21.12	21.50	1.16	1.27	0.5	0.55	0.17
3	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Left	0mm	\	21.10	21.50	0.298	0.33	0.145	0.16	-0.1
3	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Left	0mm	\	21.10	21.50	0.277	0.30	0.126	0.14	0.17
3	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Right	0mm	\	21.10	21.50	1.07	1.17	0.505	0.55	-0.15
3	2	Head	LTE Band41 PC3	39750	2506	50RB-Mid	Tilt Right	0mm	\	20.97	21.50	1.01	1.14	0.495	0.56	-0.08
3	2	Head	LTE Band41 PC3	40185	2549.5	50RB-Mid	Tilt Right	0mm	\	21.04	21.50	0.911	1.01	0.475	0.53	0.17
3	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	F.19	21.10	21.50	1.18	1.29	0.513	0.56	0.15
3	2	Head	LTE Band41 PC3	41055	2636.5	50RB-Mid	Tilt Right	0mm	\	21.09	21.50	0.938	1.03	0.481	0.53	0.06
3	2	Head	LTE Band41 PC3	41490	2680	50RB-Mid	Tilt Right	0mm	\	21.09	21.50	0.963	1.06	0.497	0.55	0.15
3	2	Head	LTE Band41 PC3	40620	2593	100RB	Tilt Right	0mm	\	21.07	21.50	0.977	1.08	0.504	0.56	0.08
3	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	ULCA	21.10	21.50	0.94	1.03	0.483	0.53	0.08
3	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	SIM2	21.10	21.50	1.06	1.16	0.437	0.48	0.08
3	3	Head	LTE Band41 PC3	40620	2593	1RB-Low	Cheek Left	0mm	\	20.16	20.50	0.151	0.16	0.071	0.08	0.09
3	3	Head	LTE Band41 PC3	40620	2593	1RB-Low	Tilt Left	0mm	\	20.16	20.50	0.177	0.19	0.08	0.09	0.03
3	3	Head	LTE Band41 PC3	40620	2593	1RB-Low	Cheek Right	0mm	\	20.16	20.50	0.583	0.63	0.263	0.28	-0.02
3	3	Head	LTE Band41 PC3	40620	2593	1RB-Low	Tilt Right	0mm	\	20.16	20.50	0.614	0.66	0.261	0.28	0.19
3	3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Left	0mm	\	20.08	20.50	0.158	0.17	0.076	0.08	0.13
3	3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Left	0mm	\	20.08	20.50	0.147	0.16	0.066	0.07	-0.14
3	3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Right	0mm	\	20.08	20.50	0.567	0.62	0.264	0.29	0.08
3	3	Head	LTE Band41 PC3	39750	2506	50RB-Mid	Tilt Right	0mm	\	20.00	20.50	0.611	0.69	0.259	0.29	-0.18
3	3	Head	LTE Band41 PC3	40185	2549.5	50RB-Mid	Tilt Right	0mm	\	20.04	20.50	0.574	0.64	0.261	0.29	-0.09
3	3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	\	20.08	20.50	0.625	0.69	0.268	0.30	0.17
3	3	Head	LTE Band41 PC3	41055	2636.5	50RB-Mid	Tilt Right	0mm	\	20.04	20.50	0.517	0.57	0.218	0.24	-0.08
3	3	Head	LTE Band41 PC3	41490	2680	50RB-Mid	Tilt Right	0mm	\	19.98	20.50	0.538	0.61	0.257	0.29	0.07
3	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Low	Front	10mm	\	23.13	23.50	0.383	0.42	0.183	0.20	-0.16
3	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Low	Rear	10mm	\	23.13	23.50	0.588	0.64	0.275	0.30	-0.02
3	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Low	Left	10mm	\	23.13	23.50	0.334	0.36	0.169	0.18	0.1
3	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Low	Right	10mm	\	23.13	23.50	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Low	Bottom	10mm	\	23.13	23.50	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Low	Top	10mm	\	23.13	23.50	0.603	0.66	0.273	0.30	-0.1
3	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Front	10mm	\	23.11	23.50	0.336	0.37	0.167	0.18	-0.05
3	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Rear	10mm	\	23.11	23.50	0.644	0.70	0.303	0.33	-0.04
3	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Left	10mm	\	23.11	23.50	0.355	0.39	0.178	0.19	0.01
3	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Right	10mm	\	23.11	23.50	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Bottom	10mm	\	23.11	23.50	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC3	39750	2506	50RB-Mid	Top	10mm	\	23.01	23.50	0.628	0.70	0.272	0.30	-0.09
3	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Top	10mm	\	23.06	23.50	0.702	0.78	0.308	0.34	0.1
3	1	hotspot	LTE Band41 PC3	40620	2593	50RB-Mid	Top	10mm	\	23.08	23.50	0.578	0.64	0.256	0.28	0.03
3	1	hotspot	LTE Band41 PC3	41055	2636.5	50RB-Mid	Top	10mm	\	23.11	23.50	0.498	0.54	0.22	0.24	-0.11
3	1	hotspot	LTE Band41 PC3	41490	2680	50RB-Mid	Top	10mm	\	23.07	23.50	0.359	0.40	0.163	0.18	-0.16
3	14	body worn	LTE Band41 PC3	40620	2593	1RB-Mid	Front	15mm	\	24.21	25.00	0.227	0.27	0.117	0.14	-0.16
3	14	body worn	LTE Band41 PC3	40620	2593	1RB-Mid	Rear	17mm	\	24.21	25.00	0.227	0.27	0.126	0.15	0.05
3	14	body worn	LTE Band41 PC3	40620	2593	50RB-Mid	Front	15mm	\	23.18	24.00	0.199	0.24	0.106	0.13	-0.05
3	14	body worn	LTE Band41 PC3	40620	2593	50RB-Mid	Rear	17mm	\	23.18	24.00	0.237	0.29	0.127	0.15	0.03
3	5	body worn	LTE Band41 PC3	40185	2549.5	1RB-Low	Rear	15mm	\	23.13	23.50	0.349	0.38	0.175	0.19	-0.02
3	5	body worn	LTE Band41 PC3	40185	2549.5	50RB-Mid	Rear	15mm	\	23.11	23.50	0.382	0.42	0.193	0.21	0.04
1	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Cheek Left	0mm	\	24.17	25.00	0.072	0.09	0.037	0.04	0
1	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Tilt Left	0mm	\	24.17	25.00	0.014	0.02	0.008	0.01	0.15
1	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Cheek Right	0mm	\	24.17	25.00	0.02	0.02	0.012	0.01	-0.15
1	2	Head	LTE Band41 PC3	40620	2593	1RB-Low	Tilt Right	0mm	\	24.17	25.00	0.027	0.03	0.011	0.01	0.06
1	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Left	0mm	\	23.16	24.00	0.062	0.08	0.034	0.04	0.15
1	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Left	0mm	\	23.16	24.00	0.013	0.02	0.007	0.01	-0.1
1	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Right	0mm	\	23.16	24.00	0.017	0.02	0.009	0.01	0.17
1	2	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	\	23.16	24.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Mid	Front	10mm	\	20.26	20.50	0.063	0.07	0.029	0.03	-0.02
1	1	hotspot	LTE Band41 PC3	39750	2506	1RB-Mid	Rear	10mm	\	19.99	20.50	0.253	0.28	0.108	0.12	0.16
1	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Mid	Rear	10mm	\	20.19	20.50	0.283	0.30	0.118	0.13	0.17
1	1	hotspot	LTE Band41 PC3	40620	2593	1RB-Mid	Rear	10mm	\	20.26	20.50	0.228	0.24	0.1	0.11	0.05
1	1	hotspot	LTE Band41 PC3	41055	2636.5	1RB-Mid	Rear	10mm	\	20.20	20.50	0.169	0.18	0.076	0.08	-0.01
1	1	hotspot	LTE Band41 PC3	41490	2680	1RB-Mid	Rear	10mm	\	20.05	20.50	0.129	0.14	0.059	0.07	0
1	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Mid	Left	10mm	\	20.26	20.50	0.084	0.09	0.043	0.05	0
1	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Mid	Right	10mm	\	20.26	20.50	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Mid	Bottom	10mm	\	20.26	20.50	0.115	0.12	0.054	0.06	0.08
1	1	hotspot	LTE Band41 PC3	40185	2549.5	1RB-Mid	Top	10mm	\	20.26	20.50	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Front	10mm	\	20.36	20.50	0.052	0.05	0.024	0.02	0.17
1	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Rear	10mm	\	20.36	20.50	0.233	0.24	0.097	0.10	0.14
1	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Left	10mm	\	20.36	20.50	0.087	0.09	0.043	0.04	-0.18
1	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Right	10mm	\	20.36	20.50	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Bottom	10mm	\	20.36	20.50	0.083	0.09	0.041	0.04	0.06
1	1	hotspot	LTE Band41 PC3	40185	2549.5	50RB-Mid	Top	10mm	\	20.36	20.50	<0.01	<0.01	<0.01	<0.01	\
1	14	body worn	LTE Band41 PC3	40620	2593	1RB-Low	Front	15mm	\	24.17	25.00	0.162	0.20	0.081	0.10	0.13
1	14	body worn	LTE Band41 PC3	40620	2593	1RB-Low	Rear	17mm	\	24.17	25.00	0.307	0.37	0.147	0.18	0.09
1	14	body worn	LTE Band41 PC3	40620	2593	50RB-Mid	Front	15mm	\	23.16	24.00	0.131	0.16	0.065	0.08	0.13
1	14	body worn	LTE Band41 PC3	40620	2593	50RB-Mid	Rear	17mm	\	23.16	24.00	0.24	0.29	0.114	0.14	-0.04
1	4	body worn	LTE Band41 PC3	39750	2506	1RB-Low	Rear	15mm	\	23.81	25.00	0.647	0.85	0.292	0.38	0.05
1	4	body worn	LTE Band41 PC3	40185	2549.5	1RB-Low	Rear	15mm	F.20	23.97	25.00	0.696	0.88	0.32	0.41	-0.18
1	4	body worn	LTE Band41 PC3	40620	2593	1RB-Low	Rear	15mm	\	24.17	25.00	0.561	0.68	0.272	0.33	-0.15
1	4	body worn	LTE Band41 PC3	41055	2636.5	1RB-Low	Rear	15mm	\	24.12	25.00	0.415	0.51	0.205	0.25	-0.11
1	4	body worn	LTE Band41 PC													

3	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Left	0mm	\	22.79	23.60	0.193	0.23	0.108	0.13	0.1
3	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Left	0mm	\	22.79	23.60	0.337	0.41	0.163	0.20	0.15
3	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Right	0mm	\	22.79	23.60	0.912	1.10	0.452	0.54	0.12
3	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Right	0mm	\	22.79	23.60	0.965	1.16	0.447	0.54	-0.12
3	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Left	0mm	\	22.77	23.60	0.263	0.32	0.133	0.16	-0.15
3	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Left	0mm	\	22.77	23.60	0.321	0.39	0.157	0.19	-0.19
3	2	Head	LTE Band41 PC2	39750	2506	50RB-Mid	Cheek Right	0mm	\	22.65	23.60	0.904	1.13	0.448	0.56	0.08
3	2	Head	LTE Band41 PC2	40185	2549.5	50RB-Mid	Cheek Right	0mm	\	22.72	23.60	0.958	1.17	0.441	0.54	-0.14
3	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Right	0mm	F. 21	22.77	23.60	1.01	1.22	0.491	0.59	0.16
3	2	Head	LTE Band41 PC2	41055	2636.5	50RB-Mid	Cheek Right	0mm	\	22.75	23.60	0.961	1.17	0.445	0.54	0.13
3	2	Head	LTE Band41 PC2	41490	2680	50RB-Mid	Cheek Right	0mm	\	22.76	23.60	0.859	1.04	0.437	0.53	-0.07
3	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Right	0mm	\	22.77	23.60	0.92	1.11	0.467	0.57	-0.13
3	2	Head	LTE Band41 PC2	40620	2593	100RB	Cheek Right	0mm	\	22.77	23.60	0.886	1.07	0.447	0.54	0.08
3	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Right	0mm	ULCA	22.77	23.60	0.88	1.07	0.473	0.57	0.06
3	3	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Left	0mm	\	21.86	22.60	0.107	0.13	0.054	0.06	0.04
3	3	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Left	0mm	\	21.86	22.60	0.187	0.22	0.081	0.10	0.13
3	3	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Right	0mm	\	21.86	22.60	0.505	0.60	0.226	0.27	-0.08
3	3	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Right	0mm	\	21.86	22.60	0.534	0.63	0.223	0.26	-0.12
3	3	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Left	0mm	\	21.81	22.60	0.146	0.18	0.066	0.08	-0.05
3	3	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Left	0mm	\	21.81	22.60	0.178	0.21	0.078	0.09	0.13
3	3	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Right	0mm	\	21.81	22.60	0.559	0.67	0.245	0.29	-0.15
3	3	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Right	0mm	\	21.81	22.60	0.509	0.61	0.233	0.28	0.02
3	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Front	10mm	\	24.74	25.60	0.347	0.42	0.19	0.23	-0.09
3	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Rear	10mm	\	24.74	25.60	0.58	0.71	0.293	0.36	-0.18
3	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Left	10mm	\	24.74	25.60	0.434	0.53	0.227	0.28	0.12
3	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Right	10mm	\	24.74	25.60	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Bottom	10mm	\	24.74	25.60	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC2	39750	2506	1RB-Mid	Top	10mm	\	24.55	25.60	0.631	0.80	0.283	0.36	0.11
3	1	hotspot	LTE Band41 PC2	40185	2549.5	1RB-Mid	Top	10mm	\	24.62	25.60	0.692	0.87	0.303	0.38	-0.08
3	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Top	10mm	\	24.74	25.60	0.615	0.75	0.274	0.33	0.11
3	1	hotspot	LTE Band41 PC2	41055	2636.5	1RB-Mid	Top	10mm	\	24.50	25.60	0.464	0.60	0.209	0.27	-0.06
3	1	hotspot	LTE Band41 PC2	41490	2680	1RB-Mid	Top	10mm	\	24.55	25.60	0.368	0.47	0.167	0.21	-0.02
3	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Front	10mm	\	24.76	25.60	0.353	0.43	0.192	0.23	0.02
3	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Rear	10mm	\	24.76	25.60	0.564	0.68	0.284	0.34	0.12
3	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Left	10mm	\	24.76	25.60	0.412	0.50	0.219	0.27	0.02
3	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Right	10mm	\	24.76	25.60	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Bottom	10mm	\	24.76	25.60	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Top	10mm	\	24.76	25.60	0.63	0.76	0.285	0.35	-0.11
3	1	hotspot	LTE Band41 PC2	40185	2549.5	100RB	Top	10mm	\	24.74	25.60	0.685	0.84	0.299	0.36	-0.11
3	14	body worn	LTE Band41 PC2	40620	2593	1RB-Mid	Front	15mm	\	25.54	27.00	0.276	0.39	0.16	0.22	-0.05
3	14	body worn	LTE Band41 PC2	40620	2593	1RB-Mid	Rear	17mm	\	25.54	27.00	0.313	0.44	0.175	0.24	-0.12
3	14	body worn	LTE Band41 PC2	40620	2593	50RB-Mid	Front	15mm	\	25.66	27.00	0.276	0.38	0.16	0.22	0.14
3	14	body worn	LTE Band41 PC2	40620	2593	50RB-Mid	Rear	17mm	\	25.66	27.00	0.307	0.42	0.172	0.23	0.03
3	5	body worn	LTE Band41 PC2	40620	2593	1RB-Mid	Rear	15mm	\	24.74	25.60	0.346	0.42	0.176	0.21	-0.18
3	5	body worn	LTE Band41 PC2	40620	2593	50RB-Mid	Rear	15mm	\	24.76	25.60	0.336	0.41	0.171	0.21	0.12
1	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Left	0mm	\	25.59	27.00	0.077	0.11	0.04	0.06	-0.06
1	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Left	0mm	\	25.59	27.00	0.015	0.02	0.008	0.01	-0.05
1	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Right	0mm	\	25.59	27.00	0.022	0.03	0.012	0.02	0.03
1	2	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Right	0mm	\	25.59	27.00	0.028	0.04	0.012	0.02	-0.06
1	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Left	0mm	\	25.64	27.00	0.066	0.09	0.036	0.05	0.01
1	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Left	0mm	\	25.64	27.00	0.014	0.02	0.007	0.01	-0.03
1	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Right	0mm	\	25.64	27.00	0.018	0.02	0.01	0.01	0.03
1	2	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Right	0mm	\	25.64	27.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Front	10mm	\	22.09	22.60	0.066	0.07	0.028	0.03	0.08
1	1	hotspot	LTE Band41 PC2	39750	2506	1RB-Mid	Rear	10mm	\	21.79	22.60	0.25	0.30	0.102	0.12	0.02
1	1	hotspot	LTE Band41 PC2	40185	2549.5	1RB-Mid	Rear	10mm	\	21.98	22.60	0.273	0.31	0.115	0.13	0.14
1	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Rear	10mm	\	22.09	22.60	0.24	0.27	0.103	0.12	0.09
1	1	hotspot	LTE Band41 PC2	41055	2636.5	1RB-Mid	Rear	10mm	\	21.97	22.60	0.181	0.21	0.079	0.09	-0.03
1	1	hotspot	LTE Band41 PC2	41490	2680	1RB-Mid	Rear	10mm	\	21.90	22.60	0.105	0.12	0.047	0.06	0
1	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Left	10mm	\	22.09	22.60	0.1	0.11	0.047	0.05	0.07
1	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Right	10mm	\	22.09	22.60	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Bottom	10mm	\	22.09	22.60	0.106	0.12	0.052	0.06	-0.12
1	1	hotspot	LTE Band41 PC2	40620	2593	1RB-Mid	Top	10mm	\	22.09	22.60	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Front	10mm	\	22.16	22.60	0.042	0.05	0.018	0.02	-0.1
1	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Rear	10mm	\	22.16	22.60	0.185	0.20	0.076	0.08	-0.09
1	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Left	10mm	\	22.16	22.60	0.064	0.07	0.03	0.03	0.05
1	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Right	10mm	\	22.16	22.60	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Bottom	10mm	\	22.16	22.60	0.071	0.08	0.033	0.04	0
1	1	hotspot	LTE Band41 PC2	40620	2593	50RB-Mid	Top	10mm	\	22.16	22.60	<0.01	<0.01	<0.01	<0.01	\
1	14	body worn	LTE Band41 PC2	40620	2593	1RB-Mid	Front	15mm	\	25.59	27.00	0.208	0.29	0.104	0.14	-0.17
1	14	body worn	LTE Band41 PC2	40620	2593	1RB-Mid	Rear	17mm	\	25.59	27.00	0.405	0.56	0.194	0.27	0.16
1	14	body worn	LTE Band41 PC2	40620	2593	50RB-Mid	Front	15mm	\	25.64	27.00	0.135	0.18	0.068	0.09	0.18
1	14	body worn	LTE Band41 PC2	40620	2593	50RB-Mid	Rear	17mm	\	25.64	27.00	0.257	0.35	0.125	0.17	0.16
1	4	body worn	LTE Band41 PC2	39750	2506	1RB-Mid	Rear	15mm	\	25.29	27.00	0.756	1.12	0.342	0.51	0.18
1	4	body worn	LTE Band41 PC2	40185	2549.5	1RB-Mid	Rear	15mm	F. 22	25.41	27.00	0.826	1.19	0.384	0.55	0.18
1	4	body worn	LTE Band41 PC2	40620	2593	1RB-Mid	Rear	15mm	\	25.59	27.00	0.725	1.00	0.343	0.47	0.03
1	4	body worn	LTE Band41 PC2	41055	2636.5	1RB-Mid	Rear	15mm	\	25.43	27.00	0.546	0.78	0.263	0.38	0.01
1	4	body worn	LTE Band41 PC2	41490	2680	1RB-Mid	Rear	15mm	\	25.23	27.00	0.318	0.48	0.157	0.24	0.04
1	4	body worn	LTE Band41 PC2	40620	2593	50RB-Mid	Rear	15mm	\	25.64	27.00	0.559	0.76	0.255	0.35	-0.12
1	4	body worn	LTE Band41 PC2	40620	2593	100RB	Rear	15mm	\	25.50	27.00	0.538	0.76	0.25	0.35	-0.08
1	4	body worn	LTE Band41 PC2	40185	2549.5	1RB-Mid	Rear	15mm	ULCA	25.41	27.00	0.804	1.16	0.372	0.54	0.09
1	4	body worn	LTE Band41 PC2	40185	2549.5	1RB-Mid	R									

4	2	Head	LTE Band48	55990	3625	1RB-Mid	Cheek Left	0mm	\	18.24	19.00	0.613	0.73	0.234	0.28	0.02
4	2	Head	LTE Band48	55990	3625	1RB-Mid	Tilt Left	0mm	\	18.24	19.00	0.625	0.74	0.235	0.28	0.1
4	2	Head	LTE Band48	55990	3625	1RB-Mid	Cheek Right	0mm	\	18.24	19.00	0.46	0.55	0.185	0.22	-0.08
4	2	Head	LTE Band48	55990	3625	1RB-Mid	Tilt Right	0mm	\	18.24	19.00	0.494	0.59	0.195	0.23	0.02
4	2	Head	LTE Band48	55990	3625	50RB-Mid	Cheek Left	0mm	\	18.25	19.00	0.609	0.72	0.234	0.28	-0.14
4	2	Head	LTE Band48	56640	3690	50RB-Mid	Tilt Left	0mm	\	18.22	19.00	0.615	0.74	0.238	0.28	0.11
4	2	Head	LTE Band48	55990	3625	50RB-Mid	Tilt Left	0mm	F.23	18.25	19.00	0.751	0.89	0.271	0.32	0.13
4	2	Head	LTE Band48	55340	3560	50RB-Mid	Tilt Left	0mm	\	18.05	19.00	0.639	0.80	0.241	0.30	-0.09
4	2	Head	LTE Band48	55990	3625	50RB-Mid	Cheek Right	0mm	\	18.25	19.00	0.464	0.55	0.188	0.22	0.06
4	2	Head	LTE Band48	55990	3625	50RB-Mid	Tilt Right	0mm	\	18.25	19.00	0.498	0.59	0.197	0.23	0
4	2	Head	LTE Band48	56640	3690	100RB	Tilt Left	0mm	\	18.18	19.00	0.711	0.86	0.263	0.32	0.08
4	3	Head	LTE Band48	55990	3625	1RB-Mid	Cheek Left	0mm	\	16.72	18.00	0.484	0.65	0.184	0.25	0.05
4	3	Head	LTE Band48	55990	3625	1RB-Mid	Tilt Left	0mm	\	16.72	18.00	0.493	0.66	0.184	0.25	0.04
4	3	Head	LTE Band48	55990	3625	1RB-Mid	Cheek Right	0mm	\	16.72	18.00	0.363	0.49	0.145	0.19	-0.09
4	3	Head	LTE Band48	55990	3625	1RB-Mid	Tilt Right	0mm	\	16.72	18.00	0.39	0.52	0.153	0.21	0.12
4	3	Head	LTE Band48	55990	3625	50RB-Mid	Cheek Left	0mm	\	16.77	18.00	0.481	0.64	0.184	0.24	-0.09
4	3	Head	LTE Band48	55990	3625	50RB-Mid	Tilt Left	0mm	\	16.77	18.00	0.593	0.79	0.213	0.28	-0.14
4	3	Head	LTE Band48	55990	3625	50RB-Mid	Cheek Right	0mm	\	16.77	18.00	0.366	0.49	0.148	0.20	0.05
4	3	Head	LTE Band48	55990	3625	50RB-Mid	Tilt Right	0mm	\	16.77	18.00	0.393	0.52	0.155	0.21	0.11
4	1	hotspot	LTE Band48	55990	3625	1RB-Mid	Front	10mm	\	22.97	24.00	0.327	0.41	0.139	0.18	0.09
4	1	hotspot	LTE Band48	55990	3625	1RB-Mid	Rear	10mm	\	22.97	24.00	0.409	0.52	0.174	0.22	-0.13
4	1	hotspot	LTE Band48	55990	3625	1RB-Mid	Left	10mm	\	22.97	24.00	0.111	0.14	0.05	0.06	-0.17
4	1	hotspot	LTE Band48	55990	3625	1RB-Mid	Right	10mm	\	22.97	24.00	0.09	0.11	0.041	0.05	-0.1
4	1	hotspot	LTE Band48	55990	3625	1RB-Mid	Bottom	10mm	\	22.97	24.00	0.018	0.02	0.009	0.01	0.1
4	1	hotspot	LTE Band48	56640	3690	1RB-Mid	Top	10mm	\	22.95	24.00	0.494	0.63	0.2	0.25	0.17
4	1	hotspot	LTE Band48	55990	3625	1RB-Mid	Top	10mm	\	22.97	24.00	0.507	0.64	0.208	0.26	0.08
4	1	hotspot	LTE Band48	55340	3560	1RB-Mid	Top	10mm	\	22.72	24.00	0.388	0.52	0.154	0.21	-0.06
4	1	hotspot	LTE Band48	55990	3625	50RB-Mid	Front	10mm	\	22.98	24.00	0.295	0.37	0.125	0.16	0.07
4	1	hotspot	LTE Band48	55990	3625	50RB-Mid	Rear	10mm	\	22.98	24.00	0.325	0.41	0.138	0.17	0.11
4	1	hotspot	LTE Band48	55990	3625	50RB-Mid	Left	10mm	\	22.98	24.00	0.087	0.11	0.039	0.05	-0.18
4	1	hotspot	LTE Band48	55990	3625	50RB-Mid	Right	10mm	\	22.98	24.00	0.062	0.08	0.029	0.04	0.11
4	1	hotspot	LTE Band48	55990	3625	50RB-Mid	Bottom	10mm	\	22.98	24.00	0.017	0.02	0.007	0.01	-0.01
4	1	hotspot	LTE Band48	55990	3625	50RB-Mid	Top	10mm	\	22.98	24.00	0.375	0.47	0.151	0.19	-0.11
4	1	hotspot	LTE Band48	55990	3625	100RB	Top	10mm	\	22.74	24.00	0.41	0.55	0.159	0.21	0.04
4	14	body worn	LTE Band48	55990	3625	1RB-Mid	Front	15mm	\	24.22	25.00	0.181	0.22	0.081	0.10	0.16
4	14	body worn	LTE Band48	55990	3625	1RB-Mid	Rear	17mm	\	24.22	25.00	0.172	0.21	0.076	0.09	-0.17
4	14	body worn	LTE Band48	55990	3625	50RB-Mid	Front	15mm	\	23.25	24.00	0.163	0.19	0.073	0.09	0.17
4	14	body worn	LTE Band48	55990	3625	50RB-Mid	Rear	17mm	\	23.25	24.00	0.174	0.21	0.077	0.09	0.12
4	6	body worn	LTE Band48	55990	3625	1RB-Mid	Rear	15mm	\	23.25	24.00	0.226	0.27	0.101	0.12	0.14
4	6	body worn	LTE Band48	55990	3625	50RB-Mid	Rear	15mm	\	23.31	24.00	0.18	0.21	0.08	0.09	0.06
2	2	Head	LTE Band48	55990	3625	1RB-Mid	Cheek Left	0mm	\	23.82	24.00	0.066	0.07	0.029	0.03	0.1
2	2	Head	LTE Band48	55990	3625	1RB-Mid	Tilt Left	0mm	\	23.82	24.00	0.031	0.03	0.012	0.01	0.13
2	2	Head	LTE Band48	55990	3625	1RB-Mid	Cheek Right	0mm	\	23.82	24.00	0.123	0.13	0.046	0.05	0
2	2	Head	LTE Band48	55990	3625	1RB-Mid	Tilt Right	0mm	\	23.82	24.00	0.035	0.04	0.014	0.01	0.02
2	2	Head	LTE Band48	55990	3625	50RB-Mid	Cheek Left	0mm	\	22.81	23.00	0.056	0.06	0.025	0.03	0.12
2	2	Head	LTE Band48	55990	3625	50RB-Mid	Tilt Left	0mm	\	22.81	23.00	0.028	0.03	0.007	0.01	0.18
2	2	Head	LTE Band48	55990	3625	50RB-Mid	Cheek Right	0mm	\	22.81	23.00	0.089	0.09	0.036	0.04	-0.03
2	2	Head	LTE Band48	55990	3625	50RB-Mid	Tilt Right	0mm	\	22.81	23.00	0.036	0.04	0.014	0.01	-0.02
2	1	hotsopt	LTE Band48	55990	3625	1RB-Mid	Front	10mm	\	19.77	20.00	0.034	0.04	0.015	0.02	0.04
2	1	hotsopt	LTE Band48	56640	3690	1RB-Mid	Rear	10mm	\	19.73	20.00	0.846	0.90	0.302	0.32	-0.02
2	1	hotsopt	LTE Band48	55990	3625	1RB-Mid	Rear	10mm	F.24	19.77	20.00	0.958	1.01	0.315	0.33	-0.17
2	1	hotsopt	LTE Band48	55340	3560	1RB-Mid	Rear	10mm	\	19.56	20.00	0.903	1.00	0.284	0.31	-0.08
2	1	hotsopt	LTE Band48	55990	3625	1RB-Mid	Left	10mm	\	19.77	20.00	0.245	0.26	0.101	0.11	0.09
2	1	hotsopt	LTE Band48	55990	3625	1RB-Mid	Right	10mm	\	19.77	20.00	0.016	0.02	0.004	0.00	0.13
2	1	hotsopt	LTE Band48	55990	3625	1RB-Mid	Bottom	10mm	\	19.77	20.00	<0.01	<0.01	<0.01	<0.01	\
2	1	hotsopt	LTE Band48	55990	3625	1RB-Mid	Top	10mm	\	19.77	20.00	0.019	0.02	0.009	0.01	-0.01
2	1	hotsopt	LTE Band48	55990	3625	50RB-Mid	Front	10mm	\	19.82	20.00	0.026	0.03	0.012	0.01	-0.12
2	1	hotsopt	LTE Band48	55990	3625	50RB-Mid	Rear	10mm	\	19.82	20.00	0.826	0.86	0.267	0.28	-0.03
2	1	hotsopt	LTE Band48	55990	3625	50RB-Mid	Left	10mm	\	19.82	20.00	0.21	0.22	0.09	0.09	-0.16
2	1	hotsopt	LTE Band48	55990	3625	50RB-Mid	Right	10mm	\	19.82	20.00	0.012	0.01	0.003	0.00	0.12
2	1	hotsopt	LTE Band48	55990	3625	50RB-Mid	Bottom	10mm	\	19.82	20.00	<0.01	<0.01	<0.01	<0.01	\
2	1	hotsopt	LTE Band48	55990	3625	50RB-Mid	Top	10mm	\	19.82	20.00	<0.01	<0.01	<0.01	<0.01	\
2	1	hotsopt	LTE Band48	56640	3690	100RB	Rear	10mm	\	19.75	20.00	0.911	0.96	0.276	0.29	0.08
2	5	body worn	LTE Band48	55990	3625	1RB-Mid	Front	15mm	\	23.82	24.00	0.021	0.02	0.011	0.01	-0.12
2	5	body worn	LTE Band48	56640	3690	1RB-Mid	Rear	15mm	\	23.69	24.00	0.532	0.57	0.227	0.24	-0.03
2	5	body worn	LTE Band48	55990	3625	1RB-Mid	Rear	15mm	\	23.82	24.00	0.603	0.63	0.237	0.25	0.15
2	5	body worn	LTE Band48	55340	3560	1RB-Mid	Rear	15mm	\	23.43	24.00	0.521	0.59	0.201	0.23	0.06
2	5	body worn	LTE Band48	55990	3625	50RB-Mid	Front	15mm	\	22.81	23.00	0.017	0.02	0.009	0.01	-0.11
2	5	body worn	LTE Band48	55990	3625	50RB-Mid	Rear	15mm	\	22.81	23.00	0.52	0.54	0.201	0.21	-0.1
1	2	Head	LTE Band66	132322	1745	1RB-Low	Cheek Left	0mm	\	24.00	25.00	0.176	0.22	0.114	0.14	0.04
1	2	Head	LTE Band66	132322	1745	1RB-Low	Tilt Left	0mm	\	24.00	25.00	0.086	0.11	0.059	0.07	0.01
1	2	Head	LTE Band66	132322	1745	1RB-Low	Cheek Right	0mm	\	24.00	25.00	0.244	0.31	0.158	0.20	0.13
1	2	Head	LTE Band66	132322	1745	1RB-Low	Tilt Right	0mm	\	24.00	25.00	0.115	0.14	0.076	0.10	0.04
1	2	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Left	0mm	\	23.01	24.00	0.178	0.22	0.116	0.15	-0.06
1	2	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Left	0mm	\	23.01	24.00	0.088	0.11	0.06	0.08	0.16
1	2	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Right	0mm	\	23.01	24.00	0.15	0.19	0.098	0.12	0.1
1	2	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Right	0mm	\	23.01	24.00	0.08	0.10	0.053	0.07	0.03

1	1	hotspot	LTE Band66	132322	1745	1RB-Low	Front	10mm	\	21.30	22.00	0.088	0.10	0.058	0.07	0.11
1	1	hotspot	LTE Band66	132322	1745	1RB-Low	Rear	10mm	\	21.30	22.00	0.12	0.14	0.08	0.09	-0.18
1	1	hotspot	LTE Band66	132322	1745	1RB-Low	Left	10mm	\	21.30	22.00	0.085	0.10	0.054	0.06	0.11
1	1	hotspot	LTE Band66	132322	1745	1RB-Low	Right	10mm	\	21.30	22.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band66	132322	1745	1RB-Low	Bottom	10mm	\	21.30	22.00	0.122	0.14	0.074	0.09	-0.01
1	1	hotspot	LTE Band66	132322	1745	1RB-Low	Top	10mm	\	21.30	22.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	LTE Band66	132322	1745	50RB-Middle	Front	10mm	\	21.24	22.00	0.087	0.10	0.058	0.07	-0.11
1	1	hotspot	LTE Band66	132322	1745	50RB-Middle	Rear	10mm	\	21.24	22.00	0.116	0.14	0.076	0.09	0.04
1	1	hotspot	LTE Band66	132322	1745	50RB-Middle	Left	10mm	\	21.24	22.00	0.06	0.07	0.037	0.04	0.16
1	1	hotspot	LTE Band66	132322	1745	50RB-Middle	Right	10mm	\	21.24	22.00	0.026	0.03	0.014	0.02	0.17
1	1	hotspot	LTE Band66	132322	1745	50RB-Middle	Bottom	10mm	\	21.24	22.00	0.254	0.30	0.149	0.18	0.06
1	1	hotspot	LTE Band66	132322	1745	50RB-Middle	Top	10mm	\	21.24	22.00	<0.01	<0.01	<0.01	<0.01	\
1	14	body worn	LTE Band66	132322	1745	1RB-Low	Front	15mm	\	24.00	25.00	0.144	0.18	0.088	0.11	-0.03
1	14	body worn	LTE Band66	132322	1745	1RB-Low	Rear	17mm	\	24.00	25.00	0.106	0.13	0.07	0.09	0.09
1	14	body worn	LTE Band66	132322	1745	50RB-Mid	Front	15mm	\	23.01	24.00	0.14	0.18	0.084	0.11	-0.1
1	14	body worn	LTE Band66	132322	1745	50RB-Mid	Rear	17mm	\	23.01	24.00	0.091	0.11	0.061	0.08	0.1
1	4	body worn	LTE Band66	132322	1745	1RB-Low	Rear	15mm	\	22.36	23.00	0.12	0.14	0.08	0.09	-0.18
1	4	body worn	LTE Band66	132322	1745	50RB-High	Rear	15mm	\	22.40	23.00	0.116	0.13	0.076	0.09	0.04
3	2	Head	LTE Band66	132322	1745	1RB-Low	Cheek Left	0mm	\	18.14	19.00	0.499	0.61	0.237	0.29	0.06
3	2	Head	LTE Band66	132322	1745	1RB-Low	Tilt Left	0mm	\	18.14	19.00	0.312	0.38	0.173	0.21	-0.18
3	2	Head	LTE Band66	132322	1745	1RB-Low	Cheek Right	0mm	\	18.14	19.00	0.619	0.75	0.298	0.36	0.06
3	2	Head	LTE Band66	132322	1745	1RB-Low	Tilt Right	0mm	\	18.14	19.00	0.597	0.73	0.269	0.33	0.18
3	2	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Left	0mm	\	18.06	19.00	0.481	0.60	0.261	0.32	-0.19
3	2	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Left	0mm	\	18.06	19.00	0.366	0.45	0.193	0.24	0.17
3	2	Head	LTE Band66	132572	1770	50RB-Mid	Cheek Right	0mm	\	18.03	19.00	0.624	0.78	0.301	0.38	0.03
3	2	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Right	0mm	F.25	18.06	19.00	0.723	0.90	0.347	0.43	0.17
3	2	Head	LTE Band66	132072	1720	50RB-Mid	Cheek Right	0mm	\	17.99	19.00	0.614	0.77	0.278	0.35	-0.19
3	2	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Right	0mm	\	18.06	19.00	0.608	0.75	0.273	0.34	-0.16
3	1	hotspot	LTE Band66	132322	1745	1RB-Low	Front	10mm	\	21.19	22.00	0.418	0.50	0.215	0.26	0.09
3	1	hotspot	LTE Band66	132322	1745	1RB-Low	Rear	10mm	\	21.19	22.00	0.446	0.54	0.24	0.29	-0.02
3	1	hotspot	LTE Band66	132322	1745	1RB-Low	Left	10mm	\	21.19	22.00	0.133	0.16	0.071	0.09	-0.07
3	1	hotspot	LTE Band66	132322	1745	1RB-Low	Right	10mm	\	21.19	22.00	0.079	0.10	0.043	0.05	-0.16
3	1	hotspot	LTE Band66	132322	1745	1RB-Low	Bottom	10mm	\	21.19	22.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band66	132322	1745	1RB-Low	Top	10mm	F.26	21.19	22.00	0.48	0.58	0.241	0.29	0.13
3	1	hotspot	LTE Band66	132322	1745	50RB-High	Front	10mm	\	21.20	22.00	0.422	0.51	0.217	0.26	-0.03
3	1	hotspot	LTE Band66	132322	1745	50RB-High	Rear	10mm	\	21.20	22.00	0.446	0.54	0.233	0.28	0.03
3	1	hotspot	LTE Band66	132322	1745	50RB-High	Left	10mm	\	21.20	22.00	0.138	0.17	0.074	0.09	0.1
3	1	hotspot	LTE Band66	132322	1745	50RB-High	Right	10mm	\	21.20	22.00	0.063	0.08	0.034	0.04	0.03
3	1	hotspot	LTE Band66	132322	1745	50RB-High	Bottom	10mm	\	21.20	22.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	LTE Band66	132322	1745	50RB-High	Top	10mm	\	21.20	22.00	0.457	0.55	0.225	0.27	0.06
3	14	body worn	LTE Band66	132322	1745	1RB-Mid	Front	15mm	\	23.89	25.00	0.381	0.49	0.217	0.28	-0.08
3	14	body worn	LTE Band66	132322	1745	1RB-Mid	Rear	17mm	\	23.89	25.00	0.327	0.42	0.185	0.24	0.03
3	14	body worn	LTE Band66	132322	1745	50RB-High	Front	15mm	\	22.91	24.00	0.389	0.50	0.221	0.28	-0.12
3	14	body worn	LTE Band66	132322	1745	50RB-High	Rear	17mm	\	22.91	24.00	0.331	0.43	0.188	0.24	0.02
3	5	body worn	LTE Band66	132322	1745	1RB-Low	Rear	15mm	\	22.08	23.00	0.198	0.24	0.113	0.14	-0.02
3	5	body worn	LTE Band66	132322	1745	50RB-High	Rear	15mm	\	22.07	23.00	0.194	0.24	0.11	0.14	0.03
0	2	Head	LTE Band71	133322	683	1RB-Mid	Cheek Left	0mm	\	24.21	25.00	0.157	0.19	0.121	0.15	0.12
0	2	Head	LTE Band71	133322	683	1RB-Mid	Tilt Left	0mm	\	24.21	25.00	0.116	0.14	0.094	0.11	-0.03
0	2	Head	LTE Band71	133322	683	1RB-Mid	Cheek Right	0mm	\	24.21	25.00	0.159	0.19	0.128	0.15	0.17
0	2	Head	LTE Band71	133322	683	1RB-Mid	Tilt Right	0mm	\	24.21	25.00	0.113	0.14	0.094	0.11	0.11
0	2	Head	LTE Band71	133322	683	50RB-Mid	Cheek Left	0mm	\	23.08	24.00	0.154	0.19	0.124	0.15	0.08
0	2	Head	LTE Band71	133322	683	50RB-Mid	Tilt Left	0mm	\	23.08	24.00	0.09	0.11	0.074	0.09	0.07
0	2	Head	LTE Band71	133322	683	50RB-Mid	Cheek Right	0mm	\	23.08	24.00	0.148	0.18	0.117	0.14	0.09
0	2	Head	LTE Band71	133322	683	50RB-Mid	Tilt Right	0mm	\	23.08	24.00	0.09	0.11	0.074	0.09	-0.12
0	1	hotspot	LTE Band71	133322	683	1RB-Mid	Front	10mm	\	24.21	25.00	0.111	0.13	0.085	0.10	-0.09
0	1	hotspot	LTE Band71	133322	683	1RB-Mid	Rear	10mm	\	24.21	25.00	0.13	0.16	0.101	0.12	-0.09
0	1	hotspot	LTE Band71	133322	683	1RB-Mid	Left	10mm	\	24.21	25.00	0.086	0.10	0.061	0.07	0.08
0	1	hotspot	LTE Band71	133322	683	1RB-Mid	Right	10mm	F.28	24.21	25.00	0.198	0.24	0.142	0.17	-0.13
0	1	hotspot	LTE Band71	133322	683	1RB-Mid	Bottom	10mm	\	24.21	25.00	0.096	0.12	0.054	0.06	0.06
0	1	hotspot	LTE Band71	133322	683	1RB-Mid	Top	10mm	\	24.21	25.00	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	LTE Band71	133322	683	50RB-Mid	Front	10mm	\	23.08	24.00	0.084	0.10	0.065	0.08	0.1
0	1	hotspot	LTE Band71	133322	683	50RB-Mid	Rear	10mm	\	23.08	24.00	0.108	0.13	0.081	0.10	0.1
0	1	hotspot	LTE Band71	133322	683	50RB-Mid	Left	10mm	\	23.08	24.00	0.069	0.09	0.049	0.06	-0.07
0	1	hotspot	LTE Band71	133322	683	50RB-Mid	Right	10mm	\	23.08	24.00	0.155	0.19	0.112	0.14	0.12
0	1	hotspot	LTE Band71	133322	683	50RB-Mid	Bottom	10mm	\	23.08	24.00	0.076	0.09	0.042	0.05	0.08
0	1	hotspot	LTE Band71	133322	683	50RB-Mid	Top	10mm	\	23.08	24.00	<0.01	<0.01	<0.01	<0.01	\
0	14	body worn	LTE Band71	133322	683	1RB-Mid	Front	15mm	\	24.21	25.00	0.18	0.22	0.142	0.17	0.19
0	14	body worn	LTE Band71	133322	683	1RB-Mid	Rear	15mm	\	24.21	25.00	0.13	0.16	0.101	0.12	-0.09
0	14	body worn	LTE Band71	133322	683	50RB-Mid	Front	15mm	\	23.08	24.00	0.147	0.18	0.117	0.14	0.12
0	14	body worn	LTE Band71	133322	683	50RB-Mid	Rear	15mm	\	23.08	24.00	0.108	0.13	0.081	0.10	0.1
3	2	Head	LTE Band71	133322	683	1RB-Mid	Cheek Left	0mm	\	22.75	24.00	0.142	0.19	0.094	0.13	0.15
3	2	Head	LTE Band71	133322	683	1RB-Mid	Tilt Left	0mm	\	22.75	24.00	0.13	0.17	0.077	0.10	-0.11
3	2	Head	LTE Band71	133322	683	1RB-Mid	Cheek Right	0mm	\	22.75	24.00	0.268	0.36	0.165	0.22	-0.05
3	2	Head	LTE Band71	133322	683	1RB-Mid	Tilt Right	0mm	\	22.75	24.00	0.245	0.33	0.129	0.17	0.02
3	2	Head	LTE Band71	133322	683	50RB-Mid	Cheek Left	0mm	\	22.77	24.00	0.155	0.21	0.104	0.14	-0.05
3	2	Head	LTE Band71	133322	683	50RB-Mid	Tilt Left	0mm	\	22.77	24.00	0.135	0.18	0.076	0.10	-0.11
3	2	Head	LTE Band71	133322	683	50RB-Mid	Cheek Right	0mm	F.27	22.77	24.00	0.281	0.37	0.167	0.22	0.02
3	2	Head	LTE Band71	133322	683	50RB-Mid	Tilt Right	0mm	\	22.77	24.00	0.254	0.34	0.137	0.18	0.03
3	1	hotspot	LTE Band71	133322	683	1RB-Mid	Front	10mm	\	23.93	25.00	0.09	0.12	0.069	0.09	0.05
3	1	hotspot	LTE Band71	133322	683	1RB-Mid	Rear	10mm	\	23.93	25.00	0.154	0.20	0.12	0.15	-0.14
3	1	hotspot	LTE Band71	133322	683	1RB-Mid	Left	10mm	\	23.93	25.00	0.125	0.16	0.091	0.12	0.13
3	1	hotspot	LTE Band71	133322	683	1RB-Mid	Right	10mm	\	23.93	25.00	0.051	0.07	0.037	0.05	0.05
3	1	hotspot	LTE Band71	133322	683	1RB-Mid	Bottom	10mm	\	23.93						

12.2 SAR results for 5G NR

ANT	DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Not e	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
1	2	Head	N25	382500	1912.5	15K 5M 12 6	Cheek Left	0mm	\	23.61	25.00	0.3	0.41	0.185	0.25	-0.01
1	2	Head	N25	376500	1882.5	15K 5M 12 6	Cheek Left	0mm	\	23.77	25.00	0.303	0.40	0.188	0.25	0.02
1	2	Head	N25	370500	1852.5	15K 5M 12 6	Cheek Left	0mm	\	23.75	25.00	0.333	0.44	0.208	0.28	-0.07
1	2	Head	N25	376500	1882.5	15K 5M 12 6	Tilt Left	0mm	\	23.77	25.00	0.122	0.16	0.074	0.10	0.07
1	2	Head	N25	376500	1882.5	15K 5M 12 6	Cheek Right	0mm	\	23.77	25.00	0.231	0.31	0.145	0.19	-0.18
1	2	Head	N25	376500	1882.5	15K 5M 12 6	Tilt Right	0mm	\	23.77	25.00	0.176	0.23	0.1	0.13	0.06
1	1	hotspot	N25	376520	1882.6	15K 5M 12 6	Front	10mm	\	20.89	22.00	0.295	0.38	0.176	0.23	0.1
1	1	hotspot	N25	376520	1882.6	15K 5M 12 6	Rear	10mm	\	20.89	22.00	0.429	0.55	0.252	0.33	0.13
1	1	hotspot	N25	376520	1882.6	15K 5M 12 6	Left	10mm	\	20.89	22.00	0.276	0.36	0.163	0.21	-0.05
1	1	hotspot	N25	376520	1882.6	15K 5M 12 6	Right	10mm	\	20.89	22.00	0.076	0.10	0.045	0.06	-0.03
1	1	hotspot	N25	376520	1882.6	15K 5M 12 6	Top	10mm	\	20.89	22.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	N25	376520	1882.6	15K 5M 12 6	Bottom	10mm	\	20.89	22.00	0.305	0.39	0.171	0.22	0.09
1	14	body worn	N25	376500	1882.5	15K 5M 12 6	Front	15mm	\	23.77	25.00	0.295	0.39	0.176	0.23	0.1
1	14	body worn	N25	376500	1882.5	15K 5M 12 6	Rear	17mm	\	23.77	25.00	0.277	0.37	0.169	0.22	0.17
1	4	body worn	N25	376520	1882.6	15K 5M 12 6	Rear	15mm	F.30	21.60	23.00	0.429	0.59	0.252	0.35	0.13
3	2	Head	N25	376500	1882.5	15K 5M 12 6	Cheek Left	0mm	\	15.94	17.00	0.365	0.47	0.205	0.26	-0.02
3	2	Head	N25	376500	1882.5	15K 5M 12 6	Cheek Right	0mm	\	15.94	17.00	0.373	0.48	0.2	0.26	0.08
3	2	Head	N25	382500	1912.5	15K 5M 12 6	Cheek Right	0mm	\	15.83	17.00	0.687	0.90	0.294	0.38	-0.08
3	2	Head	N25	376500	1882.5	15K 5M 12 6	Cheek Right	0mm	F.29	15.94	17.00	0.706	0.90	0.324	0.41	0.15
3	2	Head	N25	370500	1852.5	15K 5M 12 6	Cheek Right	0mm	\	15.67	17.00	0.657	0.89	0.287	0.39	-0.14
3	2	Head	N25	376500	1882.5	15K 5M 12 6	Tilt Right	0mm	\	15.94	17.00	0.691	0.88	0.31	0.40	0
3	1	hotspot	N25	376500	1882.5	15K 5M 12 6	Front	10mm	\	19.83	21.00	0.259	0.34	0.139	0.18	0.07
3	1	hotspot	N25	376500	1882.5	15K 5M 12 6	Rear	10mm	\	19.83	21.00	0.324	0.42	0.176	0.23	0.01
3	1	hotspot	N25	376500	1882.5	15K 5M 12 6	Left	10mm	\	19.83	21.00	0.078	0.10	0.045	0.06	0.13
3	1	hotspot	N25	376500	1882.5	15K 5M 12 6	Right	10mm	\	19.83	21.00	0.035	0.05	0.021	0.03	-0.08
3	1	hotspot	N25	376500	1882.5	15K 5M 12 6	Top	10mm	\	19.83	21.00	0.398	0.52	0.203	0.27	-0.19
3	1	hotspot	N25	376500	1882.5	15K 5M 12 6	Bottom	10mm	\	19.83	21.00	<0.01	<0.01	<0.01	<0.01	\
3	14	body worn	N25	376500	1882.5	15K 5M 12 6	Front	15mm	\	24.41	25.00	0.408	0.47	0.235	0.27	-0.12
3	14	body worn	N25	376500	1882.5	15K 5M 12 6	Rear	17mm	\	24.41	25.00	0.413	0.47	0.245	0.28	-0.08
3	5	body worn	N25	376500	1882.5	15K 5M 12 6	Rear	15mm	\	21.82	23.00	0.354	0.46	0.2	0.26	0.19
3	2	Head	N41	518598	2592.99	30K 10M 12 6	Cheek Left	0mm	\	16.28	18.00	0.159	0.24	0.074	0.11	-0.02
3	2	Head	N41	518598	2592.99	30K 10M 12 6	Tilt Left	0mm	\	16.28	18.00	0.189	0.28	0.083	0.12	-0.11
3	2	Head	N41	537000	2685	30K 10M 12 6	Cheek Right	0mm	\	16.01	18.00	0.538	0.85	0.238	0.38	-0.09
3	2	Head	N41	527799	2639	30K 10M 12 6	Cheek Right	0mm	\	16.07	18.00	0.58	0.90	0.233	0.36	0.05
3	2	Head	N41	518598	2592.99	30K 10M 12 6	Cheek Right	0mm	\	16.28	18.00	0.596	0.89	0.246	0.37	0.16
3	2	Head	N41	509400	2547	30K 10M 12 6	Cheek Right	0mm	F.31	16.10	18.00	0.601	0.93	0.281	0.40	-0.12
3	2	Head	N41	500202	2501.01	30K 10M 12 6	Cheek Right	0mm	\	16.04	18.00	0.301	0.47	0.136	0.21	-0.11
3	2	Head	N41	518598	2592.99	30K 10M 12 6	Tilt Right	0mm	\	16.28	18.00	0.564	0.84	0.241	0.36	0
3	3	Head	N41	518598	2592.99	30K 10M 12 6	Cheek Left	0mm	\	15.24	17.00	0.131	0.20	0.061	0.09	0.12
3	3	Head	N41	518598	2592.99	30K 10M 12 6	Tilt Left	0mm	\	15.24	17.00	0.156	0.23	0.069	0.10	0.01
3	3	Head	N41	537000	2685	30K 10M 12 6	Cheek Right	0mm	\	15.24	17.00	0.444	0.67	0.198	0.30	-0.05
3	3	Head	N41	527799	2639	30K 10M 12 6	Cheek Right	0mm	\	15.24	17.00	0.479	0.72	0.194	0.29	-0.18
3	3	Head	N41	518598	2592.99	30K 10M 12 6	Cheek Right	0mm	\	15.24	17.00	0.492	0.74	0.205	0.31	0.14
3	3	Head	N41	509400	2547	30K 10M 12 6	Cheek Right	0mm	\	15.24	17.00	0.496	0.74	0.217	0.33	-0.18
3	3	Head	N41	500202	2501.01	30K 10M 12 6	Cheek Right	0mm	\	15.24	17.00	0.248	0.37	0.113	0.17	0.08
3	3	Head	N41	518598	2592.99	30K 10M 12 6	Tilt Right	0mm	\	15.24	17.00	0.466	0.70	0.2	0.30	0.01
3	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Front	10mm	\	20.18	21.00	0.194	0.23	0.111	0.13	0.13
3	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Rear	10mm	\	20.18	21.00	0.287	0.35	0.152	0.18	0.06
3	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Left	10mm	\	20.18	21.00	0.246	0.30	0.133	0.16	-0.17
3	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Right	10mm	\	20.18	21.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	N41	537000	2685	30K 10M 12 6	Top	10mm	\	20.18	21.00	0.389	0.47	0.179	0.22	-0.12
3	1	hotspot	N41	527799	2639	30K 10M 12 6	Top	10mm	\	20.18	21.00	0.376	0.45	0.171	0.21	0.14
3	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Top	10mm	F.32	20.18	21.00	0.431	0.52	0.189	0.23	-0.02
3	1	hotspot	N41	509400	2547	30K 10M 12 6	Top	10mm	\	20.18	21.00	0.322	0.39	0.156	0.19	0.13
3	1	hotspot	N41	500202	2501.01	30K 10M 12 6	Top	10mm	\	20.18	21.00	0.127	0.15	0.062	0.07	0.07
3	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Bottom	10mm	\	20.18	21.00	0.023	0.03	0.015	0.02	-0.08
3	14	body worn	N41	518598	2592.99	30K 10M 12 6	Front	15mm	\	23.02	24.00	0.315	0.39	0.18	0.23	0.12
3	14	body worn	N41	518598	2592.99	30K 10M 12 6	Rear	17mm	\	23.02	24.00	0.326	0.41	0.191	0.24	0.07
3	5	body worn	N41	518598	2592.99	30K 10M 12 6	Rear	15mm	\	20.29	22.00	0.329	0.49	0.172	0.25	-0.13
3	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Cheek Left	0mm	\	15.24	17.00	0.137	0.21	0.065	0.10	0.04
3	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Tilt Left	0mm	\	15.24	17.00	0.147	0.22	0.067	0.10	0
3	2	Head	ULMIMO-N41	537000	2685	30K 10M 12 6	Cheek Right	0mm	\	15.12	17.00	0.457	0.70	0.177	0.27	-0.05
3	2	Head	ULMIMO-N41	527799	2639	30K 10M 12 6	Cheek Right	0mm	\	15.09	17.00	0.477	0.74	0.185	0.29	0.12
3	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Cheek Right	0mm	\	15.24	17.00	0.474	0.71	0.18	0.27	0.17
3	2	Head	ULMIMO-N41	509400	2547	30K 10M 12 6	Cheek Right	0mm	\	15.21	17.00	0.496	0.75	0.217	0.33	-0.18
3	2	Head	ULMIMO-N41	500202	2501.01	30K 10M 12 6	Cheek Right	0mm	\	15.16	17.00	0.477	0.73	0.201	0.31	0.05
3	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Tilt Right	0mm	\	15.24	17.00	0.458	0.69	0.195	0.29	0
3	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Front	10mm	\	17.37	19.00	0.12	0.17	0.069	0.10	-0.17
3	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Rear	10mm	\	17.37	19.00	0.178	0.26	0.094	0.14	-0.04
3	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Left	10mm	\	17.37	19.00	0.153	0.22	0.083	0.12	-0.08
3	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Right	10mm	\	17.37	19.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	ULMIMO-N41	537000	2685	30K 10M 12 6	Top	10mm	\	17.37	19.00	0.241	0.35	0.111	0.16	0.03
3	1	hotspot	ULMIMO-N41	527799	2639	30K 10M 12 6	Top	10mm	\	17.37	19.00	0.233	0.34	0.106	0.15	-0.15
3	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Top	10mm	\	17.37	19.00	0.267	0.39	0.117	0.17	0.12
3	1	hotspot	ULMIMO-N41	509400	2547	30K 10M 12 6	Top	10mm	\	17.37	19.00	0.199	0.29	0.097	0.14	0.03
3	1	hotspot	ULMIMO-N41	500202	2501.01	30K 10M 12 6	Top	10mm	\	17.37	19.00	0.079	0.11	0.038	0.06	0.08
3	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Bottom	10mm	\	17.37	19.00	0.014	0.			

1	2	Head	N41	518598	2592.99	30K 10M 12 6	Cheek Left	0mm	\	26.28	27.00	0.349	0.41	0.182	0.21	-0.17
1	2	Head	N41	518598	2592.99	30K 10M 12 6	Tilt Left	0mm	\	26.28	27.00	0.083	0.10	0.046	0.05	-0.05
1	2	Head	N41	518598	2592.99	30K 10M 12 6	Cheek Right	0mm	\	26.28	27.00	0.192	0.23	0.105	0.12	-0.15
1	2	Head	N41	518598	2592.99	30K 10M 12 6	Tilt Right	0mm	\	26.28	27.00	0.145	0.17	0.071	0.08	0.04
1	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Front	10mm	\	20.38	21.00	0.188	0.22	0.087	0.10	0.01
1	1	hotspot	N41	537000	2685	30K 10M 12 6	Rear	10mm	\	20.16	21.00	0.383	0.46	0.161	0.20	0.13
1	1	hotspot	N41	527799	2639	30K 10M 12 6	Rear	10mm	\	20.07	21.00	0.349	0.43	0.152	0.19	-0.08
1	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Rear	10mm	\	20.38	21.00	0.331	0.38	0.15	0.17	0.14
1	1	hotspot	N41	509400	2547	30K 10M 12 6	Rear	10mm	\	20.01	21.00	0.408	0.51	0.173	0.22	0.18
1	1	hotspot	N41	500202	2501.01	30K 10M 12 6	Rear	10mm	\	20.02	21.00	0.315	0.39	0.139	0.17	-0.17
1	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Left	10mm	\	20.38	21.00	0.169	0.19	0.083	0.10	-0.08
1	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Right	10mm	\	20.38	21.00	0.016	0.02	0.006	0.01	-0.06
1	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Top	10mm	\	20.38	21.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	N41	518598	2592.99	30K 10M 12 6	Bottom	10mm	\	20.38	21.00	0.091	0.10	0.046	0.05	0
1	14	body worn	N41	518598	2592.99	30K 10M 12 6	Front	15mm	\	23.65	24.00	0.24	0.26	0.123	0.13	0.13
1	14	body worn	N41	537000	2685	30K 10M 12 6	Rear	17mm	\	23.23	24.00	0.355	0.42	0.178	0.21	-0.15
1	14	body worn	N41	527799	2639	30K 10M 12 6	Rear	17mm	\	23.47	24.00	0.342	0.39	0.173	0.20	0.1
1	14	body worn	N41	518598	2592.99	30K 10M 12 6	Rear	17mm	\	23.65	24.00	0.208	0.23	0.109	0.12	0.07
1	14	body worn	N41	509400	2547	30K 10M 12 6	Rear	17mm	\	23.40	24.00	0.284	0.33	0.16	0.18	-0.13
1	14	body worn	N41	500202	2501.01	30K 10M 12 6	Rear	17mm	\	23.42	24.00	0.124	0.14	0.068	0.08	0
2	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Cheek Left	0mm	\	22.52	23.00	0.038	0.04	0.022	0.02	0.12
2	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Tilt Left	0mm	\	22.52	23.00	0.027	0.03	0.013	0.01	-0.03
2	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Cheek Right	0mm	\	22.52	23.00	0.065	0.07	0.036	0.04	-0.15
2	2	Head	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Tilt Right	0mm	\	22.52	23.00	0.041	0.05	0.02	0.02	-0.01
2	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Front	10mm	\	20.42	21.00	0.053	0.06	0.03	0.03	-0.1
2	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Rear	10mm	\	20.42	21.00	0.257	0.29	0.129	0.15	-0.13
2	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Left	10mm	\	20.42	21.00	0.124	0.14	0.065	0.07	0.12
2	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Right	10mm	\	20.42	21.00	<0.01	<0.01	<0.01	<0.01	\
2	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Top	10mm	\	20.42	21.00	0.035	0.04	0.014	0.02	0.02
2	1	hotspot	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Bottom	10mm	\	20.42	21.00	0.075	0.09	0.037	0.04	0.01
2	5	body worn	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Front	15mm	\	22.52	23.00	0.053	0.06	0.03	0.03	-0.1
2	5	body worn	ULMIMO-N41	518598	2592.99	30K 10M 12 6	Rear	15mm	\	22.52	23.00	0.257	0.29	0.129	0.14	-0.13
4	2	Head	N48	641666	3624.985	30K 10M 12 6	Cheek Left	0mm	\	17.23	18.00	0.767	0.92	0.322	0.38	0.04
4	2	Head	N48	646000	3690	30K 10M 12 6	Tilt Left	0mm	\	17.13	18.00	0.68	0.83	0.237	0.29	0.12
4	2	Head	N48	641666	3624.99	30K 10M 12 6	Tilt Left	0mm	F.33	17.23	18.00	0.984	1.17	0.351	0.42	-0.13
4	2	Head	N48	637334	3560.01	30K 10M 12 6	Tilt Left	0mm	\	17.15	18.00	0.908	1.10	0.305	0.37	-0.09
4	2	Head	N48	641666	3624.985	30K 10M 12 6	Cheek Right	0mm	\	17.23	18.00	0.576	0.69	0.201	0.24	0.08
4	2	Head	N48	641666	3624.985	30K 10M 12 6	Tilt Right	0mm	\	17.23	18.00	0.636	0.76	0.218	0.26	0.18
4	3	Head	N48	641666	3624.985	30K 10M 12 6	Cheek Left	0mm	\	15.36	16.00	0.393	0.46	0.17	0.20	0.09
4	3	Head	N48	646000	3690	30K 10M 12 6	Tilt Left	0mm	\	15.27	16.00	0.348	0.41	0.125	0.15	0.07
4	3	Head	N48	641666	3624.99	30K 10M 12 6	Tilt Left	0mm	\	15.36	16.00	0.504	0.58	0.185	0.21	0.13
4	3	Head	N48	637334	3560.01	30K 10M 12 6	Tilt Left	0mm	\	15.29	16.00	0.465	0.55	0.161	0.19	-0.02
4	3	Head	N48	641666	3624.985	30K 10M 12 6	Cheek Right	0mm	\	15.36	16.00	0.295	0.34	0.106	0.12	0.01
4	3	Head	N48	641666	3624.985	30K 10M 12 6	Tilt Right	0mm	\	15.36	16.00	0.326	0.38	0.115	0.13	0.13
4	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Front	10mm	\	21.53	22.00	0.484	0.54	0.196	0.22	-0.11
4	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Rear	10mm	\	21.53	22.00	0.455	0.51	0.189	0.21	-0.11
4	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Left	10mm	\	21.53	22.00	0.133	0.15	0.062	0.07	-0.03
4	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Right	10mm	\	21.53	22.00	0.103	0.11	0.049	0.05	0.04
4	1	hotspot	N48	646000	3690	30K 10M 12 6	Top	10mm	\	21.40	22.00	0.425	0.49	0.168	0.19	-0.1
4	1	hotspot	N48	641666	3624.99	30K 10M 12 6	Top	10mm	\	21.53	22.00	0.634	0.71	0.245	0.27	0.07
4	1	hotspot	N48	637334	3560.01	30K 10M 12 6	Top	10mm	\	21.42	22.00	0.66	0.75	0.264	0.30	0.18
4	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Bottom	10mm	\	21.53	22.00	0.042	0.05	0.011	0.01	0.03
4	14	body worn	N48	641666	3624.985	30K 10M 12 6	Front	15mm	\	24.61	25.00	0.587	0.64	0.259	0.28	-0.09
4	14	body worn	N48	641666	3624.985	30K 10M 12 6	Rear	17mm	\	24.61	25.00	0.45	0.49	0.205	0.22	0.18
4	5	body worn	N48	641666	3624.985	30K 10M 12 6	Rear	15mm	\	21.53	22.00	0.455	0.51	0.189	0.21	-0.11
2	2	Head	N48	641666	3624.985	30K 10M 12 6	Cheek Left	0mm	\	22.27	24.00	0.094	0.14	0.039	0.06	0.04
2	2	Head	N48	641666	3624.985	30K 10M 12 6	Tilt Left	0mm	\	22.27	24.00	<0.01	<0.01	<0.01	<0.01	\
2	2	Head	N48	646000	3690	30K 10M 12 6	Cheek Right	0mm	\	22.13	24.00	0.259	0.40	0.106	0.16	0.19
2	2	Head	N48	641666	3624.99	30K 10M 12 6	Cheek Right	0mm	\	22.27	24.00	0.116	0.17	0.042	0.06	-0.16
2	2	Head	N48	637334	3560.01	30K 10M 12 6	Cheek Right	0mm	\	22.25	24.00	0.035	0.05	0.015	0.02	-0.17
2	2	Head	N48	641666	3624.985	30K 10M 12 6	Tilt Right	0mm	\	22.27	24.00	0.021	0.03	0.004	0.01	-0.13
2	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Front	10mm	\	17.29	19.00	0.017	0.03	0.004	0.01	0.09
2	1	hotspot	N48	646000	3690	30K 10M 12 6	Rear	10mm	\	17.18	19.00	0.372	0.57	0.118	0.18	-0.04
2	1	hotspot	N48	641666	3624.99	30K 10M 12 6	Rear	10mm	\	17.29	19.00	0.232	0.34	0.073	0.11	0.12
2	1	hotspot	N48	637334	3560.01	30K 10M 12 6	Rear	10mm	\	17.27	19.00	0.064	0.10	0.02	0.03	-0.06
2	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Left	10mm	\	17.29	19.00	0.084	0.12	0.031	0.05	-0.04
2	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Right	10mm	\	17.29	19.00	0.07	0.10	0.028	0.04	0.07
2	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Top	10mm	\	17.29	19.00	0.014	0.02	0.004	0.01	0.01
2	1	hotspot	N48	641666	3624.985	30K 10M 12 6	Bottom	10mm	\	17.29	19.00	0.011	0.02	0.003	0.00	0.12

1	2	Head	N66	355500	1777.5	15K 5M 12 6	Cheek Left	0mm	\	23.44	25.00	0.26	0.37	0.18	0.26	0.18
1	2	Head	N66	349000	1745	15K 5M 12 6	Cheek Left	0mm	\	23.51	25.00	0.275	0.39	0.188	0.26	-0.07
1	2	Head	N66	342500	1712.5	15K 5M 12 6	Cheek Left	0mm	\	23.46	25.00	0.294	0.42	0.195	0.28	-0.07
1	2	Head	N66	349000	1745	15K 5M 12 6	Tilt Left	0mm	\	23.51	25.00	0.117	0.16	0.084	0.12	-0.1
1	2	Head	N66	349000	1745	15K 5M 12 6	Cheek Right	0mm	\	23.51	25.00	0.15	0.21	0.111	0.16	0.14
1	2	Head	N66	349000	1745	15K 5M 12 6	Tilt Right	0mm	\	23.51	25.00	0.114	0.16	0.079	0.11	-0.14
1	1	hotspot	N66	349000	1745	15K 5M 12 6	Front	10mm	\	21.17	22.00	0.249	0.30	0.163	0.20	-0.04
1	1	hotspot	N66	355500	1777.5	15K 5M 12 6	Rear	10mm	\	21.17	22.00	0.323	0.39	0.199	0.24	0.12
1	1	hotspot	N66	349000	1745	15K 5M 12 6	Rear	10mm	\	21.17	22.00	0.341	0.41	0.22	0.27	-0.09
1	1	hotspot	N66	342500	1712.5	15K 5M 12 6	Rear	10mm	\	21.17	22.00	0.436	0.53	0.277	0.34	-0.02
1	1	hotspot	N66	349000	1745	15K 5M 12 6	Left	10mm	\	21.17	22.00	0.223	0.27	0.142	0.17	0.07
1	1	hotspot	N66	349000	1745	15K 5M 12 6	Right	10mm	\	21.17	22.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	N66	349000	1745	15K 5M 12 6	Top	10mm	\	21.17	22.00	<0.01	<0.01	<0.01	<0.01	\
1	1	hotspot	N66	349000	1745	15K 5M 12 6	Bottom	10mm	\	21.17	22.00	0.285	0.35	0.176	0.21	-0.04
1	14	body worn	N66	349000	1745	15K 5M 12 6	Front	15mm	\	23.51	25.00	0.249	0.35	0.163	0.23	-0.04
1	14	body worn	N66	349000	1745	15K 5M 12 6	Rear	17mm	\	23.51	25.00	0.1	0.14	0.064	0.09	0.04
1	4	body worn	N66	355500	1777.5	15K 5M 12 6	Rear	15mm	\	21.75	23.00	0.323	0.43	0.199	0.27	0.12
1	4	body worn	N66	349000	1745	15K 5M 12 6	Rear	15mm	\	21.81	23.00	0.341	0.45	0.22	0.29	-0.09
1	4	body worn	N66	342500	1712.5	15K 5M 12 6	Rear	15mm	\	21.76	23.00	0.436	0.58	0.277	0.37	-0.02
3	2	Head	N66	349000	1745	15K 5M 12 6	Cheek Left	0mm	\	17.89	19.00	0.457	0.59	0.26	0.34	0.13
3	2	Head	N66	349000	1745	15K 5M 12 6	Tilt Left	0mm	\	17.89	19.00	0.439	0.57	0.237	0.31	-0.03
3	2	Head	N66	355500	1777.5	15K 5M 12 6	Cheek Right	0mm	\	17.41	19.00	0.842	1.21	0.396	0.57	0.13
3	2	Head	N66	349000	1745	15K 5M 12 6	Cheek Right	0mm	F.35	17.89	19.00	0.949	1.23	0.451	0.58	-0.11
3	2	Head	N66	342500	1712.5	15K 5M 12 6	Cheek Right	0mm	\	17.71	19.00	0.701	0.94	0.34	0.46	-0.11
3	2	Head	N66	349000	1745	15K 5M 12 6	Tilt Right	0mm	\	17.89	19.00	0.344	0.44	0.287	0.37	0.09
3	3	Head	N66	349000	1745	15K 5M 12 6	Cheek Left	0mm	\	17.01	18.00	0.259	0.33	0.141	0.18	0.02
3	3	Head	N66	349000	1745	15K 5M 12 6	Tilt Left	0mm	\	17.01	18.00	0.248	0.31	0.129	0.16	0.11
3	3	Head	N66	355500	1777.5	15K 5M 12 6	Cheek Right	0mm	\	16.95	18.00	0.476	0.61	0.215	0.27	-0.12
3	3	Head	N66	349000	1745	15K 5M 12 6	Cheek Right	0mm	\	17.01	18.00	0.537	0.67	0.245	0.31	0.09
3	3	Head	N66	342500	1712.5	15K 5M 12 6	Cheek Right	0mm	\	16.94	18.00	0.397	0.51	0.185	0.24	0.14
3	3	Head	N66	349000	1745	15K 5M 12 6	Tilt Right	0mm	\	17.01	18.00	0.195	0.24	0.156	0.20	-0.02
3	1	hotspot	N66	349000	1745	15K 5M 12 6	Front	10mm	\	21.13	22.00	0.297	0.36	0.162	0.20	0.06
3	1	hotspot	N66	349000	1745	15K 5M 12 6	Rear	10mm	\	21.13	22.00	0.316	0.39	0.173	0.21	-0.02
3	1	hotspot	N66	349000	1745	15K 5M 12 6	Left	10mm	\	21.13	22.00	0.102	0.12	0.059	0.07	-0.13
3	1	hotspot	N66	349000	1745	15K 5M 12 6	Right	10mm	\	21.13	22.00	0.045	0.05	0.026	0.03	0.05
3	1	hotspot	N66	355500	1777.5	15K 5M 12 6	Top	10mm	\	21.13	22.00	0.362	0.44	0.182	0.22	0.04
3	1	hotspot	N66	349000	1745	15K 5M 12 6	Top	10mm	F.36	21.13	22.00	0.505	0.62	0.256	0.31	0.02
3	1	hotspot	N66	342500	1712.5	15K 5M 12 6	Top	10mm	\	21.13	22.00	0.388	0.47	0.201	0.25	0.13
3	1	hotspot	N66	349000	1745	15K 5M 12 6	Bottom	10mm	\	21.13	22.00	<0.01	<0.01	<0.01	<0.01	\
3	14	body worn	N66	349000	1745	15K 5M 12 6	Front	15mm	\	24.34	25.00	0.297	0.35	0.162	0.19	0.06
3	14	body worn	N66	349000	1745	15K 5M 12 6	Rear	17mm	\	24.34	25.00	0.218	0.25	0.131	0.15	-0.11
3	5	body worn	N66	349000	1745	15K 5M 12 6	Rear	15mm	\	21.96	23.00	0.316	0.40	0.173	0.22	-0.02
0	2	Head	N71	136100	680.5	15K 5M 12 6	Cheek Left	0mm	\	23.76	25.00	<0.01	<0.01	<0.01	<0.01	\
0	2	Head	N71	136100	680.5	15K 5M 12 6	Tilt Left	0mm	\	23.76	25.00	<0.01	<0.01	<0.01	<0.01	\
0	2	Head	N71	136100	680.5	15K 5M 12 6	Cheek Right	0mm	\	23.76	25.00	0.16	0.21	0.129	0.17	-0.15
0	2	Head	N71	136100	680.5	15K 5M 12 6	Tilt Right	0mm	\	23.76	25.00	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	N71	136100	680.5	15K 5M 12 6	Front	10mm	\	23.76	25.00	0.115	0.15	0.065	0.09	-0.17
0	1	hotspot	N71	136100	680.5	15K 5M 12 6	Rear	10mm	\	23.76	25.00	0.192	0.26	0.106	0.14	-0.05
0	1	hotspot	N71	136100	680.5	15K 5M 12 6	Left	10mm	\	23.76	25.00	<0.01	<0.01	<0.01	<0.01	\
0	1	hotspot	N71	136100	680.5	15K 5M 12 6	Right	10mm	\	23.76	25.00	0.115	0.15	0.074	0.10	-0.02
0	1	hotspot	N71	136100	680.5	15K 5M 12 6	Bottom	10mm	F.38	23.76	25.00	0.204	0.27	0.111	0.15	-0.15
0	1	hotspot	N71	136100	680.5	15K 5M 12 6	Top	10mm	\	23.76	25.00	<0.01	<0.01	<0.01	<0.01	\
0	14	body worn	N71	136100	680.5	15K 5M 12 6	Front	15mm	\	23.76	25.00	0.115	0.15	0.065	0.09	-0.17
0	14	body worn	N71	136100	680.5	15K 5M 12 6	Rear	15mm	\	23.76	25.00	0.192	0.26	0.106	0.14	-0.05
3	2	Head	N71	136100	680.5	15K 5M 12 6	Cheek Left	0mm	\	22.67	24.00	0.217	0.29	0.131	0.18	-0.08
3	2	Head	N71	136100	680.5	15K 5M 12 6	Tilt Left	0mm	\	22.67	24.00	0.204	0.28	0.126	0.17	0.18
3	2	Head	N71	136100	680.5	15K 5M 12 6	Cheek Right	0mm	F.37	22.67	24.00	0.293	0.40	0.181	0.25	0.17
3	2	Head	N71	136100	680.5	15K 5M 12 6	Tilt Right	0mm	\	22.67	24.00	0.223	0.30	0.123	0.17	-0.19
3	1	hotspot	N71	136100	680.5	15K 5M 12 6	Front	10mm	\	23.68	25.00	0.088	0.12	0.071	0.10	0.01
3	1	hotspot	N71	136100	680.5	15K 5M 12 6	Rear	10mm	\	23.68	25.00	0.116	0.16	0.092	0.12	0.01
3	1	hotspot	N71	136100	680.5	15K 5M 12 6	Left	10mm	\	23.68	25.00	0.107	0.15	0.081	0.11	-0.18
3	1	hotspot	N71	136100	680.5	15K 5M 12 6	Right	10mm	\	23.68	25.00	0.061	0.08	0.047	0.06	0.08
3	1	hotspot	N71	136100	680.5	15K 5M 12 6	Bottom	10mm	\	23.68	25.00	<0.01	<0.01	<0.01	<0.01	\
3	1	hotspot	N71	136100	680.5	15K 5M 12 6	Top	10mm	\	23.68	25.00	0.052	0.07	0.033	0.04	-0.07
3	14	body worn	N71	136100	680.5	15K 5M 12 6	Front	15mm	\	23.68	25.00	0.087	0.12	0.067	0.09	0.06
3	14	body worn	N71	136100	680.5	15K 5M 12 6	Rear	15mm	\	23.68	25.00	0.116	0.16	0.092	0.12	0.01
4	2	Head	N78	653000	3795	30K 10M 12 6	Cheek Left	0mm	\	13.74	15.00	0.56	0.75	0.197	0.26	0.05
4	2	Head	N78	650000	3750	30K 10M 12 6	Cheek Left	0mm	\	13.87	15.00	0.716	0.93	0.235	0.30	0.04
4	2	Head	N78	647000	3705	30K 10M 12 6	Cheek Left	0mm	F.39	13.80	15.00	0.73	0.96	0.262	0.35	0.01
4	2	Head	N78	650000	3750	30K 10M 12 6	Tilt Left	0mm	\	13.87	15.00	0.565	0.73	0.198	0.26	-0.01
4	2	Head	N78	650000	3750	30K 10M 12 6	Cheek Right	0mm	\	13.87	15.00	0.339	0.44	0.132	0.17	0.09
4	2	Head	N78	650000	3750	30K 10M 12 6	Tilt Right	0mm	\	13.87	15.00	0.437	0.57	0.149	0.19	0.16
4	3	Head	N78	653000	3795	30K 10M 12 6	Cheek Left	0mm	\	11.75	13.00	0.235	0.31	0.083	0.11	-0.12
4	3	Head	N78	650000	3750	30K 10M 12 6	Cheek Left	0mm	\	11.86	13.00	0.3	0.39	0.099	0.13	0.04
4	3	Head	N78	647000	3705	30K 10M 12 6	Cheek Left	0mm	\	11.80	13.00	0.306	0.40	0.11	0.15	-0.11
4	3	Head	N78	650000	3750	30K 10M 12 6	Tilt Left	0mm	\	11.86	13.00	0.237	0.31	0.083	0.11	0.06
4	3	Head	N78	650000	3750	30K 10M 12 6	Cheek Right	0mm	\	11.86	13.00	0.142	0.18	0.056	0.07	0.08
4	3	Head	N78	650000	3750	30K 10M 12 6	Tilt Right	0mm	\	11.86	13.00	0.183	0.24	0.063	0.08	-0.07



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4	1	hotspot	N78	650000	3750	30K 10M 12 6	Front	10mm	\	20.92	21.00	0.309	0.31	0.133	0.14	0.16
4	1	hotspot	N78	650000	3750	30K 10M 12 6	Rear	10mm	\	20.92	21.00	0.342	0.35	0.148	0.15	-0.1
4	1	hotspot	N78	650000	3750	30K 10M 12 6	Left	10mm	\	20.92	21.00	0.123	0.13	0.061	0.06	0.12
4	1	hotspot	N78	650000	3750	30K 10M 12 6	Right	10mm	\	20.92	21.00	0.059	0.06	0.028	0.03	0.1
4	1	hotspot	N78	653000	3795	30K 10M 12 6	Top	10mm	\	20.90	21.00	0.561	0.57	0.223	0.23	-0.04
4	1	hotspot	N78	650000	3750	30K 10M 12 6	Top	10mm	\	20.92	21.00	0.733	0.75	0.304	0.31	0.05
4	1	hotspot	N78	647000	3705	30K 10M 12 6	Top	10mm	F.40	20.84	21.00	1.01	1.05	0.412	0.43	0.12
4	1	hotspot	N78	650000	3750	30K 10M 12 6	Bottom	10mm	\	20.92	21.00	0.044	0.04	0.021	0.02	0
4	14	body worn	N78	650000	3750	30K 10M 12 6	Front	15mm	\	22.97	23.00	0.147	0.15	0.067	0.07	0.05
4	14	body worn	N78	650000	3750	30K 10M 12 6	Rear	17mm	\	22.97	23.00	0.151	0.15	0.071	0.07	0.07
2	2	Head	N78	650000	3750	30K 10M 12 6	Cheek Left	0mm	\	22.74	24.00	0.105	0.14	0.052	0.07	0
2	2	Head	N78	650000	3750	30K 10M 12 6	Tilt Left	0mm	\	22.74	24.00	0.05	0.07	0.025	0.03	-0.14
2	2	Head	N78	653000	3795	30K 10M 12 6	Cheek Right	0mm	\	22.56	24.00	0.268	0.37	0.11	0.15	0.18
2	2	Head	N78	650000	3750	30K 10M 12 6	Cheek Right	0mm	\	22.74	24.00	0.286	0.38	0.118	0.16	0.15
2	2	Head	N78	647000	3705	30K 10M 12 6	Cheek Right	0mm	\	22.58	24.00	0.029	0.04	0.007	0.01	-0.12
2	2	Head	N78	650000	3750	30K 10M 12 6	Tilt Right	0mm	\	22.74	24.00	0.055	0.07	0.027	0.04	0.03
2	1	hotspot	N78	650000	3750	30K 10M 12 6	Front	10mm	\	17.69	19.00	0.011	0.01	0.005	0.01	0.08
2	1	hotspot	N78	653000	3795	30K 10M 12 6	Rear	10mm	\	17.55	19.00	0.071	0.10	0.026	0.04	0.04
2	1	hotspot	N78	650000	3750	30K 10M 12 6	Rear	10mm	\	17.69	19.00	0.275	0.37	0.088	0.12	0.2
2	1	hotspot	N78	647000	3705	30K 10M 12 6	Rear	10mm	\	17.57	19.00	0.031	0.04	0.011	0.02	0.13
2	1	hotspot	N78	650000	3750	30K 10M 12 6	Left	10mm	\	17.69	19.00	0.101	0.14	0.039	0.05	-0.06
2	1	hotspot	N78	650000	3750	30K 10M 12 6	Right	10mm	\	17.69	19.00	0.004	0.01	0.001	0.00	-0.17
2	1	hotspot	N78	650000	3750	30K 10M 12 6	Top	10mm	\	17.69	19.00	0.01	0.01	0.004	0.01	0.02
2	1	hotspot	N78	650000	3750	30K 10M 12 6	Bottom	10mm	\	17.69	19.00	0.003	0.00	0.001	0.00	0.07
2	4	body worn	N78	650000	3750	30K 10M 12 6	Front	15mm	\	22.74	24.00	0.026	0.03	0.014	0.02	-0.16
2	4	body worn	N78	653000	3795	30K 10M 12 6	Rear	15mm	\	22.56	24.00	0.166	0.23	0.074	0.10	-0.14
2	4	body worn	N78	650000	3750	30K 10M 12 6	Rear	15mm	\	22.74	24.00	0.647	0.86	0.247	0.33	0.14
2	4	body worn	N78	647000	3705	30K 10M 12 6	Rear	15mm	\	22.58	24.00	0.073	0.10	0.031	0.04	0.18

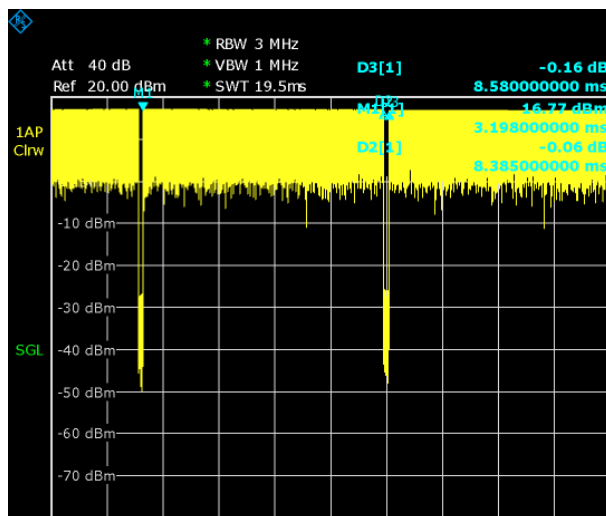
12.3 SAR results for WLAN

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.

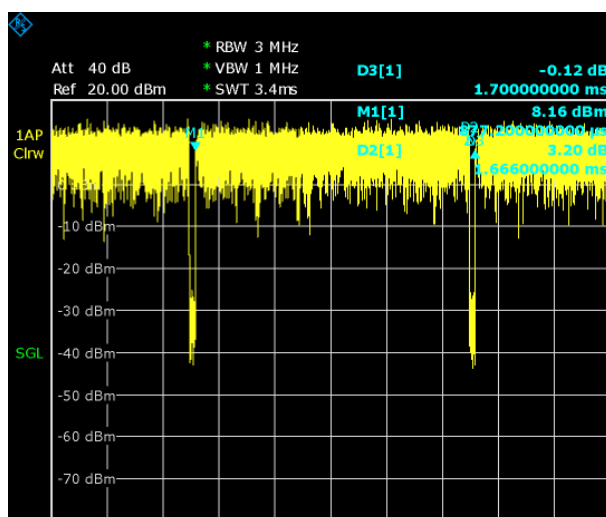
When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 a/g/n/ac/ax modes, the channel in the lower order/sequence 802.11 mode (i.e. a, g, n ac then ax) is selected.

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 WiFi2.4G



WIFI5G



WLAN 2.4G

ANT	DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Notes	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty cycle
5	2	head	WIFI2.4G	11	2462	CCK 1M	Cheek Left	0mm	F.41	16.89	18.00	0.625	0.83	0.305	0.40	-0.08	97.6%
5	2	head	WIFI2.4G	6	2437	CCK 1M	Cheek Left	0mm	\	16.85	18.00	0.604	0.81	0.283	0.38	-0.04	97.6%
5	2	head	WIFI2.4G	1	2412	CCK 1M	Cheek Left	0mm	\	16.64	18.00	0.577	0.81	0.263	0.37	-0.08	97.6%
5	2	head	WIFI2.4G	11	2462	CCK 1M	Tilt Left	0mm	\	16.89	18.00	0.472	0.62	0.222	0.29	-0.07	97.6%
5	2	head	WIFI2.4G	11	2462	CCK 1M	Cheek Right	0mm	\	16.89	18.00	0.369	0.49	0.211	0.28	0.19	97.6%
5	2	head	WIFI2.4G	11	2462	CCK 1M	Tilt Right	0mm	\	16.89	18.00	0.374	0.49	0.193	0.26	0.04	97.6%
5	3	head	WIFI2.4G	11	2462	CCK 1M	Cheek Left	0mm	\	13.89	15.00	0.244	0.32	0.117	0.15	0.19	97.6%
5	3	head	WIFI2.4G	11	2462	CCK 1M	Tilt Left	0mm	\	13.89	15.00	0.184	0.24	0.085	0.11	-0.09	97.6%
5	3	head	WIFI2.4G	11	2462	CCK 1M	Cheek Right	0mm	\	13.89	15.00	0.144	0.19	0.081	0.11	-0.03	97.6%
5	3	head	WIFI2.4G	11	2462	CCK 1M	Tilt Right	0mm	\	13.89	15.00	0.146	0.19	0.074	0.10	-0.01	97.6%
5	14	Body	WIFI2.4G	11	2462	CCK 1M	Front	15mm	\	17.94	19.00	0.075	0.10	0.042	0.05	0.09	97.6%
5	14	Body	WIFI2.4G	11	2462	CCK 1M	Rear	17mm	\	17.94	19.00	0.119	0.16	0.064	0.08	-0.12	97.6%
5	4	hotspot	WIFI2.4G	11	2462	CCK 1M	Front	10mm	\	17.94	19.00	0.216	0.28	0.119	0.16	-0.09	97.6%
5	4	hotspot	WIFI2.4G	11	2462	CCK 1M	Rear	10mm	\	17.94	19.00	0.232	0.30	0.121	0.16	-0.12	97.6%
5	4	hotspot	WIFI2.4G	11	2462	CCK 1M	Left	10mm	\	17.94	19.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	4	hotspot	WIFI2.4G	11	2462	CCK 1M	Right	10mm	\	17.94	19.00	0.111	0.15	0.06	0.08	0	97.6%
5	4	hotspot	WIFI2.4G	11	2462	CCK 1M	Bottom	10mm	\	17.94	19.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	4	hotspot	WIFI2.4G	11	2462	CCK 1M	Top	10mm	F.42	17.94	19.00	0.254	0.33	0.13	0.17	-0.17	97.6%
5	9	hotspot	WIFI2.4G	11	2462	CCK 1M	Front	10mm	\	15.63	17.00	0.124	0.17	0.068	0.10	-0.06	97.6%
5	9	hotspot	WIFI2.4G	11	2462	CCK 1M	Rear	10mm	\	15.63	17.00	0.133	0.19	0.069	0.10	0	97.6%
5	9	hotspot	WIFI2.4G	11	2462	CCK 1M	Left	10mm	\	15.63	17.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	9	hotspot	WIFI2.4G	11	2462	CCK 1M	Right	10mm	\	15.63	17.00	0.064	0.09	0.035	0.05	-0.04	97.6%
5	9	hotspot	WIFI2.4G	11	2462	CCK 1M	Bottom	10mm	\	15.63	17.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	9	hotspot	WIFI2.4G	11	2462	CCK 1M	Top	10mm	\	15.63	17.00	0.146	0.21	0.074	0.10	0.11	97.6%

WLAN 5G

ANT	DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Dnrt	Duty cycle
5	2	head	WIFI5G	42	5210	11AC 80M MCSO	Cheek Left	0mm	\	14.82	15.00	0.416	0.44	0.122	0.13	0.02	97.6%
5	2	head	WIFI5G	42	5210	11AC 80M MCSO	Tilt Left	0mm	\	14.82	15.00	0.424	0.45	0.141	0.15	-0.14	97.6%
5	2	head	WIFI5G	42	5210	11AC 80M MCSO	Cheek Right	0mm	\	14.82	15.00	0.295	0.32	0.099	0.11	-0.15	97.6%
5	2	head	WIFI5G	42	5210	11AC 80M MCSO	Tilt Right	0mm	\	14.82	15.00	0.225	0.24	0.073	0.08	0.15	97.6%
5	2	head	WIFI5G	58	5290	11AC 80M MCSO	Cheek Left	0mm	\	14.97	15.00	0.523	0.54	0.155	0.16	0.11	97.6%
5	2	head	WIFI5G	58	5290	11AC 80M MCSO	Tilt Left	0mm	\	14.97	15.00	0.255	0.26	0.096	0.10	-0.01	97.6%
5	2	head	WIFI5G	58	5290	11AC 80M MCSO	Cheek Right	0mm	\	14.97	15.00	0.308	0.32	0.101	0.10	-0.04	97.6%
5	2	head	WIFI5G	58	5290	11AC 80M MCSO	Tilt Right	0mm	\	14.97	15.00	0.286	0.30	0.092	0.09	0.09	97.6%
5	2	head	WIFI5G	122	5610	11AC 80M MCSO	Cheek Left	0mm	\	14.81	15.00	0.761	0.81	0.204	0.22	-0.04	97.6%
5	2	head	WIFI5G	122	5610	11AC 80M MCSO	Tilt Left	0mm	\	14.81	15.00	1.03	1.10	0.272	0.29	0.1	97.6%
5	2	head	WIFI5G	122	5610	11AC 80M MCSO	Cheek Right	0mm	\	14.81	15.00	0.555	0.59	0.147	0.16	-0.18	97.6%
5	2	head	WIFI5G	122	5610	11AC 80M MCSO	Tilt Right	0mm	\	14.81	15.00	0.892	0.95	0.238	0.25	-0.18	97.6%
5	2	head	WIFI5G	155	5775	11AC 80M MCSO	Cheek Left	0mm	F.43	14.89	15.00	1.13	1.19	0.303	0.32	0.13	97.6%
5	2	head	WIFI5G	155	5775	11AC 80M MCSO	Tilt Left	0mm	\	14.89	15.00	1.07	1.12	0.295	0.31	-0.03	97.6%
5	2	head	WIFI5G	155	5775	11AC 80M MCSO	Cheek Right	0mm	\	14.89	15.00	0.924	0.97	0.245	0.26	-0.01	97.6%
5	2	head	WIFI5G	155	5775	11AC 80M MCSO	Tilt Right	0mm	\	14.89	15.00	0.848	0.89	0.233	0.24	-0.02	97.6%
5	3	head	WIFI5G	42	5210	11AC 80M MCSO	Cheek Left	0mm	\	8.60	9.00	0.057	0.06	0.016	0.02	0.06	97.6%
5	3	head	WIFI5G	42	5210	11AC 80M MCSO	Tilt Left	0mm	\	8.60	9.00	0.058	0.07	0.019	0.02	0.06	97.6%
5	3	head	WIFI5G	42	5210	11AC 80M MCSO	Cheek Right	0mm	\	8.60	9.00	0.04	0.04	0.013	0.01	0.06	97.6%
5	3	head	WIFI5G	42	5210	11AC 80M MCSO	Tilt Right	0mm	\	8.60	9.00	0.031	0.03	0.01	0.01	-0.16	97.6%
5	3	head	WIFI5G	58	5290	11AC 80M MCSO	Cheek Left	0mm	\	8.97	9.00	0.071	0.07	0.021	0.02	-0.16	97.6%
5	3	head	WIFI5G	58	5290	11AC 80M MCSO	Tilt Left	0mm	\	8.97	9.00	0.035	0.04	0.013	0.01	0.17	97.6%
5	3	head	WIFI5G	58	5290	11AC 80M MCSO	Cheek Right	0mm	\	8.97	9.00	0.042	0.04	0.013	0.01	0.15	97.6%
5	3	head	WIFI5G	58	5290	11AC 80M MCSO	Tilt Right	0mm	\	8.97	9.00	0.039	0.04	0.012	0.01	-0.19	97.6%
5	3	head	WIFI5G	122	5610	11AC 80M MCSO	Cheek Left	0mm	\	8.72	9.00	0.104	0.11	0.027	0.03	-0.18	97.6%
5	3	head	WIFI5G	122	5610	11AC 80M MCSO	Tilt Left	0mm	\	8.72	9.00	0.142	0.16	0.036	0.04	-0.19	97.6%
5	3	head	WIFI5G	122	5610	11AC 80M MCSO	Cheek Right	0mm	\	8.72	9.00	0.076	0.08	0.019	0.02	-0.07	97.6%
5	3	head	WIFI5G	122	5610	11AC 80M MCSO	Tilt Right	0mm	\	8.72	9.00	0.121	0.13	0.031	0.03	0.06	97.6%
5	3	head	WIFI5G	155	5775	11AC 80M MCSO	Cheek Left	0mm	\	9.00	9.00	0.154	0.16	0.04	0.04	0.19	97.6%
5	3	head	WIFI5G	155	5775	11AC 80M MCSO	Tilt Left	0mm	\	9.00	9.00	0.144	0.15	0.039	0.04	-0.13	97.6%
5	3	head	WIFI5G	155	5775	11AC 80M MCSO	Cheek Right	0mm	\	9.00	9.00	0.126	0.13	0.032	0.03	-0.12	97.6%
5	3	head	WIFI5G	155	5775	11AC 80M MCSO	Tilt Right	0mm	\	9.00	9.00	0.115	0.12	0.031	0.03	-0.01	97.6%
5	14	Body	WIFI5G	46	5230	11N 40M MCSO	Front	15mm	\	17.16	18.00	0.073	0.09	0.031	0.04	-0.03	97.6%
5	14	Body	WIFI5G	46	5230	11N 40M MCSO	Rear	17mm	\	17.16	18.00	0.18	0.22	0.076	0.09	-0.16	97.6%
5	14	Body	WIFI5G	54	5270	11N 40M MCSO	Front	15mm	\	17.48	18.00	0.081	0.09	0.034	0.04	0.05	97.6%
5	14	Body	WIFI5G	54	5270	11N 40M MCSO	Rear	17mm	\	17.48	18.00	0.186	0.21	0.076	0.09	-0.01	97.6%
5	14	Body	WIFI5G	118	5590	11N 40M MCSO	Front	15mm	\	16.77	18.00	0.166	0.23	0.062	0.08	0.18	97.6%
5	14	Body	WIFI5G	118	5590	11N 40M MCSO	Rear	17mm	\	16.77	18.00	0.267	0.36	0.104	0.14	0.11	97.6%
5	14	Body	WIFI5G	151	5755	11N 40M MCSO	Front	15mm	\	17.41	18.00	0.18	0.21	0.067	0.08	-0.12	97.6%
5	14	Body	WIFI5G	151	5755	11N 40M MCSO	Rear	17mm	\	17.41	18.00	0.331	0.39	0.126	0.15	-0.04	97.6%
5	4	hotspot	WIFI5G	46	5230	11N 40M MCSO	Front	10mm	\	17.16	18.00	0.138	0.17	0.059	0.07	0.18	97.6%
5	4	hotspot	WIFI5G	46	5230	11N 40M MCSO	Rear	10mm	\	17.16	18.00	0.355	0.44	0.142	0.18	0.03	97.6%
5	4	hotspot	WIFI5G	46	5230	11N 40M MCSO	Left	10mm	\	17.16	18.00	0.035	0.04	0.015	0.02	0.01	97.6%
5	4	hotspot	WIFI5G	46	5230	11N 40M MCSO	Right	10mm	\	17.16	18.00	0.148	0.18	0.098	0.12	-0.14	97.6%
5	4	hotspot	WIFI5G	46	5230	11N 40M MCSO	Bottom	10mm	\	17.16	18.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	4	hotspot	WIFI5G	46	5230	11N 40M MCSO	Top	10mm	\	17.16	18.00	0.429	0.53	0.162	0.20	0.15	97.6%
5	4	hotspot	WIFI5G	54	5270	11N 40M MCSO	Front	10mm	\	17.48	18.00	0.159	0.18	0.067	0.08	-0.18	97.6%
5	4	hotspot	WIFI5G	54	5270	11N 40M MCSO	Rear	10mm	\	17.48	18.00	0.381	0.44	0.154	0.18	0.11	97.6%
5	4	hotspot	WIFI5G	54	5270	11N 40M MCSO	Left	10mm	\	17.48	18.00	0.041	0.05	0.018	0.02	0.08	97.6%
5	4	hotspot	WIFI5G	54	5270	11N 40M MCSO	Right	10mm	\	17.48	18.00	0.28	0.32	0.112	0.13	-0.1	97.6%
5	4	hotspot	WIFI5G	54	5270	11N 40M MCSO	Bottom	10mm	\	17.48	18.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	4	hotspot	WIFI5G	54	5270	11N 40M MCSO	Top	10mm	\	17.48	18.00	0.419	0.48	0.162	0.19	0.17	97.6%
5	4	hotspot	WIFI5G	118	5590	11N 40M MCSO	Front	10mm	\	16.77	18.00	0.256	0.35	0.095	0.13	-0.01	97.6%
5	4	hotspot	WIFI5G	118	5590	11N 40M MCSO	Rear	10mm	\	16.77	18.00	0.376	0.51	0.143	0.19	0.09	97.6%
5	4	hotspot	WIFI5G	118	5590	11N 40M MCSO	Left	10mm	\	16.77	18.00	0.037	0.05	0.009	0.01	-0.04	97.6%
5	4	hotspot	WIFI5G	118	5590	11N 40M MCSO	Right	10mm	\	16.77	18.00	0.311	0.42	0.116	0.16	-0.1	97.6%
5	4	hotspot	WIFI5G	118	5590	11N 40M MCSO	Bottom	10mm	\	16.77	18.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	4	hotspot	WIFI5G	118	5590	11N 40M MCSO	Top	10mm	F.44	16.77	18.00	0.859	1.17	0.304	0.41	0.15	97.6%
5	4	hotspot	WIFI5G	151	5755	11N 40M MCSO	Front	10mm	\	17.41	18.00	0.276	0.32	0.107	0.13	0.04	97.6%
5	4	hotspot	WIFI5G	151	5755	11N 40M MCSO	Rear	10mm	\	17.41	18.00	0.539	0.63	0.192	0.23	0.02	97.6%
5	4	hotspot	WIFI5G	151	5755	11N 40M MCSO	Left	10mm	\	17.41	18.00	0.029	0.03	0.007	0.01	-0.01	97.6%
5	4	hotspot	WIFI5G	151	5755	11N 40M MCSO	Right	10mm	\	17.41	18.00	0.111	0.13	0.043	0.05	0.06	97.6%
5	4	hotspot	WIFI5G	151	5755	11N 40M MCSO	Bottom	10mm	\	17.41	18.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	4	hotspot	WIFI5G	151	5755	11N 40M MCSO	Top	10mm	\	17.41	18.00	0.754	0.88	0.284	0.33	0.1	97.6%
5	9	hotspot	WIFI5G	42	5210	11AC 80M MCSO	Front	10mm	\	11.61	13.00	0.022	0.03	0.009	0.01	0.16	97.6%
5	9	hotspot	WIFI5G	42	5210	11AC 80M MCSO	Rear	10mm	\	11.61	13.00	0.055	0.08	0.021	0.03	-0.04	97.6%
5	9	hotspot	WIFI5G	42	5210	11AC 80M MCSO	Left	10mm	\	11.61	13.00	0.006	0.01	0.002	0.00	-0.04	97.6%
5	9	hotspot	WIFI5G	42	5210	11AC 80M MCSO	Right	10mm	\	11.61	13.00	0.023	0.03	0.014	0.02	0.18	97.6%
5	9	hotspot	WIFI5G	42	5210	11AC 80M MCSO	Bottom	10mm	\	11.61	13.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	9	hotspot	WIFI5G	42	5210	11AC 80M MCSO	Top	10mm	\	11.61	13.00	0.067	0.09	0.024	0.03	0.09	97.6%
5	9	hotspot	WIFI5G	58	5290	11AC 80M MCSO	Front	10mm	\	11.74	13.00	0.025	0.03	0.01	0.01	0.04	97.6%
5	9	hotspot	WIFI5G	58	5290	11AC 80M MCSO	Rear	10mm	\	11.74	13.00	0.06	0.08	0.023	0.03	-0.12	97.6%
5	9	hotspot	WIFI5G	58	5290	11AC 80M MCSO	Left	10mm	\	11.74	13.00	0.006	0.01	0.003	0.00	-0.15	97.6%
5	9	hotspot	WIFI5G	58	5290	11AC 80M MCSO	Right	10mm	\	11.74	13.00	0.044	0.06	0.017	0.02	0.08	97.6%
5	9	hotspot	WIFI5G	58	5290	11AC 80M MCSO	Bottom	10mm	\	11.74	13.00	<0.01	<0.01	<0.01	<0.01	\	97.6%
5	9	hotspot	WIFI5G	58	5290	11AC 80M MCSO	Top	10mm	\	11.74	13.00	0.065	0.09	0.024	0.03	-0.08	97.6%
5																	

12.4 SAR results for BT

ANT	DSI	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
5	2	head	BT	78	2480	GFSK	Cheek Left	0mm	F.45	7.49	8.50	0.032	0.04	0.015	0.02	-0.14
5	2	head	BT	78	2480	GFSK	Tilt Left	0mm	\	7.49	8.50	<0.01	<0.01	<0.01	<0.01	\
5	2	head	BT	78	2480	GFSK	Cheek Right	0mm	\	7.49	8.50	<0.01	<0.01	<0.01	<0.01	\
5	2	head	BT	78	2480	GFSK	Tilt Right	0mm	\	7.49	8.50	<0.01	<0.01	<0.01	<0.01	\
5	4	hotspot	BT	78	2480	GFSK	Front	10mm	\	7.49	8.50	<0.01	<0.01	<0.01	<0.01	\
5	4	hotspot	BT	78	2480	GFSK	Rear	10mm	\	7.49	8.50	0.00699	0.01	0.00311	0.00	0.13
5	4	hotspot	BT	78	2480	GFSK	Left	10mm	\	7.49	8.50	<0.01	<0.01	<0.01	<0.01	\
5	4	hotspot	BT	78	2480	GFSK	Right	10mm	\	7.49	8.50	<0.01	<0.01	<0.01	<0.01	\
5	4	hotspot	BT	78	2480	GFSK	Bottom	10mm	\	7.49	8.50	<0.01	<0.01	<0.01	<0.01	\
5	4	hotspot	BT	78	2480	GFSK	Top	10mm	F.46	7.49	8.50	0.011	0.01	0.0384	0.05	-0.12

12.5 SAR results for NFC

RF Exposure Conditions	Frequency Band	Frequency (MHz)	Test setup	Distance	Figure No.	SAR 1g (W/kg)	SAR 10g (W/kg)	Power Drift
Head	NFC	13.56	Cheek Left	0mm	\	<0.01	<0.01	\
Head	NFC	13.56	Tilt Left	0mm	\	<0.01	<0.01	\
Head	NFC	13.56	Cheek Right	0mm	\	<0.01	<0.01	\
Head	NFC	13.56	Tilt Right	0mm	\	<0.01	<0.01	\
Body	NFC	13.56	Front	10mm	\	<0.01	<0.01	\
Body	NFC	13.56	Rear	10mm	\	<0.01	<0.01	\
Body	NFC	13.56	Left	10mm	\	<0.01	<0.01	\
Body	NFC	13.56	Right	10mm	\	<0.01	<0.01	\

12.6 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

ANT	DSI	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
3	1	LTE Band25	26365	1882.5	50RB-Mid	Top	0mm	20.69	22.00	3.32	4.49	1.26	1.70	-0.07
2	1	N48	646000	3690	30K 10M 12 6	Rear	0mm	17.18	19.00	2.84	4.32	0.702	1.07	0.08
1	0	N41	537000	2685	30K 10M 12 6	Rear	0mm	25.73	27.00	4.14	5.55	1.5	2.01	0.04
1	0	N41	527799	2639	30K 10M 12 6	Rear	0mm	25.99	27.00	6.07	7.66	2.07	2.61	0.05
2	1	LTE Band48	55990	3625	1RB-Mid	Rear	0mm	19.77	20.00	4.55	4.80	1.14	1.20	0.08

13 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; steps 2) 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 ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Original SAR 1g (W/kg)	First Repeated SAR 1g (W/kg)	The Ratio	Second Repeated SAR 1g (W/kg)
3	Head	WCDMA1900	9400	1880	RMC	Cheek Right	0mm	0.806	0.733	1.10	\
3	Head	WCDMA1700	1513	1752.6	RMC	Cheek Right	0mm	0.892	0.883	1.01	\
3	Head	WCDMA1700	1412	1732.4	RMC	Cheek Right	0mm	0.83	0.769	1.08	\
3	Head	WCDMA850	4183	836.6	RMC	Cheek Right	0mm	0.855	0.784	1.09	\
3	Head	WCDMA850	4132	826.4	RMC	Cheek Right	0mm	0.8	0.762	1.05	\
3	Head	LTE Band7	20850	2510	1RB-Low	Cheek Right	0mm	0.806	0.695	1.16	\
3	Head	LTE Band7	21100	2535	1RB-Low	Cheek Right	0mm	0.933	0.826	1.13	\
3	Head	LTE Band7	21350	2560	1RB-Low	Cheek Right	0mm	0.824	0.71	1.16	\
3	Head	LTE Band7	20850	2510	100RB	Cheek Right	0mm	0.906	0.788	1.15	\
3	hotspot	LTE Band7	21350	2560	1RB-Mid	Top	10mm	0.802	0.71	1.13	\
3	Head	LTE Band41 PC3	40620	2593	1RB-Low	Cheek Right	0mm	1.1	0.965	1.14	\
3	Head	LTE Band41 PC3	40620	2593	1RB-Low	Tilt Right	0mm	1.16	1.03	1.13	\
3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Cheek Right	0mm	1.07	0.982	1.09	\
3	Head	LTE Band41 PC3	39750	2506	50RB-Mid	Tilt Right	0mm	1.01	0.886	1.14	\
3	Head	LTE Band41 PC3	40185	2549.5	50RB-Mid	Tilt Right	0mm	0.911	0.836	1.09	\
3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	1.18	1.02	1.16	\
3	Head	LTE Band41 PC3	41055	2636.5	50RB-Mid	Tilt Right	0mm	0.938	0.929	1.01	\
3	Head	LTE Band41 PC3	41490	2680	50RB-Mid	Tilt Right	0mm	0.963	0.83	1.16	\
3	Head	LTE Band41 PC3	40620	2593	100RB	Tilt Right	0mm	0.977	0.949	1.03	\
3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	0.94	0.847	1.11	\
3	Head	LTE Band41 PC3	40620	2593	50RB-Mid	Tilt Right	0mm	1.06	1.05	1.01	\
3	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Cheek Right	0mm	0.912	0.8	1.14	\
3	Head	LTE Band41 PC2	40620	2593	1RB-Mid	Tilt Right	0mm	0.965	0.937	1.03	\
3	Head	LTE Band41 PC2	39750	2506	50RB-Mid	Cheek Right	0mm	0.904	0.845	1.07	\
3	Head	LTE Band41 PC2	40185	2549.5	50RB-Mid	Cheek Right	0mm	0.958	0.921	1.04	\
3	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Right	0mm	1.01	0.99	1.02	\
3	Head	LTE Band41 PC2	41055	2636.5	50RB-Mid	Cheek Right	0mm	0.961	0.828	1.16	\
3	Head	LTE Band41 PC2	41490	2680	50RB-Mid	Cheek Right	0mm	0.859	0.781	1.10	\
3	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Tilt Right	0mm	0.92	0.852	1.08	\
3	Head	LTE Band41 PC2	40620	2593	100RB	Cheek Right	0mm	0.886	0.751	1.18	\
3	Head	LTE Band41 PC2	40620	2593	50RB-Mid	Cheek Right	0mm	0.88	0.772	1.14	\
1	body worn	LTE Band41 PC2	40185	2549.5	1RB-Mid	Rear	15mm	0.826	0.81	1.02	\
1	body worn	LTE Band41 PC2	40185	2549.5	1RB-Mid	Rear	15mm	0.804	0.738	1.09	\
2	hotspot	LTE Band48	56640	3690	1RB-Mid	Rear	10mm	0.846	0.742	1.14	\
2	hotspot	LTE Band48	55990	3625	1RB-Mid	Rear	10mm	0.958	0.84	1.14	\
2	hotspot	LTE Band48	55340	3560	1RB-Mid	Rear	10mm	0.903	0.828	1.09	\
2	hotspot	LTE Band48	55990	3625	50RB-Mid	Rear	10mm	0.826	0.738	1.12	\
2	hotspot	LTE Band48	56640	3690	100RB	Rear	10mm	0.911	0.844	1.08	\
4	Head	N48	641666	3624.99	30K 10M 12.6	Tilt Left	0mm	0.984	0.937	1.05	\
4	Head	N48	637334	3560.01	30K 10M 12.6	Tilt Left	0mm	0.908	0.804	1.13	\
3	Head	N66	355500	1777.5	15K 5M 12.6	Cheek Right	0mm	0.842	0.739	1.14	\
3	Head	N66	349000	1745	15K 5M 12.6	Cheek Right	0mm	0.949	0.879	1.08	\
4	hotspot	N78	647000	3705	30K 10M 12.6	Top	10mm	1.01	0.878	1.15	\
5	head	WIFI5G	122	5610	11AC 80M MCS0	Tilt Left	0mm	1.03	0.88	1.17	\
5	head	WIFI5G	122	5610	11AC 80M MCS0	Tilt Right	0mm	0.892	0.818	1.09	\
5	head	WIFI5G	155	5775	11AC 80M MCS0	Cheek Left	0mm	1.13	0.974	1.16	\
5	head	WIFI5G	155	5775	11AC 80M MCS0	Tilt Left	0mm	1.07	0.973	1.10	\
5	head	WIFI5G	155	5775	11AC 80M MCS0	Cheek Right	0mm	0.924	0.848	1.09	\
5	head	WIFI5G	155	5775	11AC 80M MCS0	Tilt Right	0mm	0.848	0.719	1.18	\
5	hotspot	WIFI5G	118	5590	11N 40M MCS0	Top	10mm	0.859	0.795	1.08	\

14 Simultaneous TX SAR Considerations

14.1 Transmit Antenna Separation Distances

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

Appendix to test report No.25T04Z100361-019

The photos of SAR test

14.2 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.

Antenna/Sensor-to- DUT sides separation distances						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
Ant.0	<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
Ant.1	<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
Ant.2	<25mm	<25mm	<25mm	>25mm	>25mm	>25mm
Ant.3	<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
Ant.4	<25mm	<25mm	>25mm	>25mm	<25mm	>25mm
Ant.5	<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
Ant.6	<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
Ant.7	<25mm	<25mm	>25mm	<25mm	>25mm	>25mm

14.3 Simultaneous Transmission

14.3.1 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)

14.3.2 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.

14.3.3 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:

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

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 .

R_i 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:

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

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

14.3.4 Simultaneous Transmission Capabilities

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

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

Note:

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

14.3.5 Evaluation of Simultaneous

WWAN - Ant0												
Reported SAR 1g (W/kg)												
Head	GSM850 Ant0	W850 Ant0	LTE B12 Ant0	LTE B26 Ant0	LTE B71 Ant0	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT		
Cheek L	0.15	0.28	0.08	0.23	0.19	0.04	0.32	0.16	0.60	0.48		
Tilt L	0.09	0.21	0.05	0.14	0.14	0.00	0.24	0.16	0.45	0.36		
Cheek R	0.11	0.35	0.07	0.29	0.19	0.00	0.19	0.13	0.54	0.48		
Tilt R	0.08	0.22	0.10	0.17	0.14	0.00	0.19	0.13	0.42	0.36		
Reported SAR 1g (W/kg)												
Hotspot	GSM850 Ant0	W850 Ant0	LTE B12 Ant0	LTE B26 Ant0	LTE B71 Ant0	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT		
Front 10mm	0.29	0.49	0.14	0.41	0.13	0.00	0.17	0.06	0.66	0.55		
Rear 10mm	0.52	0.96	0.17	0.71	0.16	0.01	0.19	0.12	1.15	1.09		
Left 10mm	0.00	0.00	0.11	0.17	0.10	0.00	0.00	0.01	0.17	0.17		
Right 10mm	0.12	0.41	0.23	0.31	0.24	0.00	0.09	0.07	0.50	0.47		
Bottom 10mm	0.43	0.76	0.11	0.53	0.12	0.00	0.00	0.00	0.76	0.76		
Top 10mm	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.19	0.21	0.20		
Reported SAR 1g (W/kg)												
Body Worn	GSM850 Ant0	W850 Ant0	LTE B12 Ant0	LTE B26 Ant0	LTE B71 Ant0	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT		
Front 15mm	0.29	0.33	0.20	0.23	0.22	0.00	0.10	0.23	0.43	0.56		
Rear 17mm	0.22	0.33	0.19	0.28	0.18	0.00	0.16	0.39	0.49	0.72		
Rear 15mm	0.52	0.48	0.17	0.41	0.16	0.01	0.19	0.12	0.70	0.65		
WWAN - Ant1												
Reported SAR 1g (W/kg)												
Head	GSM1900 Ant1	W1900 Ant1	W1700 Ant1	LTE B25 Ant1	LTE B41 PC3 Ant1	LTE B41 PC2 Ant1	LTE B66 Ant1	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT
Cheek L	0.14	0.41	0.37	0.44	0.09	0.11	0.22	0.04	0.32	0.16	0.77	0.64
Tilt L	0.08	0.22	0.21	0.24	0.02	0.02	0.11	0.00	0.24	0.15	0.48	0.39
Cheek R	0.08	0.26	0.25	0.25	0.02	0.03	0.31	0.00	0.15	0.13	0.50	0.44
Tilt R	0.07	0.22	0.18	0.25	0.03	0.04	0.14	0.00	0.19	0.13	0.44	0.38
Reported SAR 1g (W/kg)												
Hotspot	GSM1900 Ant1	W1900 Ant1	W1700 Ant1	LTE B25 Ant1	LTE B41 PC3 Ant1	LTE B41 PC2 Ant1	LTE B66 Ant1	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT
Front 10mm	0.15	0.39	0.43	0.32	0.07	0.07	0.10	0.00	0.17	0.06	0.60	0.48
Rear 10mm	0.27	0.64	0.64	0.47	0.30	0.31	0.14	0.01	0.19	0.12	0.83	0.77
Left 10mm	0.15	0.43	0.42	0.40	0.09	0.11	0.10	0.00	0.01	0.01	0.43	0.44
Right 10mm	0.00	0.00	0.10	0.11	0.00	0.00	0.03	0.00	0.00	0.00	0.20	0.18
Bottom 10mm	0.17	0.41	0.56	0.32	0.12	0.12	0.30	0.00	0.00	0.00	0.56	0.56
Top 10mm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.19	0.21	0.20
Reported SAR 1g (W/kg)												
Body Worn	GSM1900 Ant1	W1900 Ant1	W1700 Ant1	LTE B25 Ant1	LTE B41 PC3 Ant1	LTE B41 PC2 Ant1	LTE B66 Ant1	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT
Front 15mm	0.20	0.37	0.41	0.41	0.20	0.29	0.18	0.00	0.10	0.23	0.51	0.64
Rear 17mm	0.10	0.19	0.16	0.19	0.37	0.56	0.13	0.00	0.16	0.39	0.72	0.95
Rear 15mm	0.37	0.64	0.64	0.45	0.88	0.39	0.14	0.01	0.19	0.12	1.07	1.01
WWAN - Ant2												
Reported SAR 1g (W/kg)												
Head	LTE B48 Ant2	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT						
Cheek L	0.07	0.04	0.32	0.16	0.39	0.27						
Tilt L	0.03	0.00	0.24	0.16	0.27	0.19						
Cheek R	0.13	0.00	0.19	0.13	0.32	0.26						
Tilt R	0.04	0.00	0.19	0.13	0.23	0.17						
Reported SAR 1g (W/kg)												
Hotspot	LTE B48 Ant2	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT						
Front 10mm	0.04	0.00	0.10	0.06	0.21	0.10						
Rear 10mm	1.01	0.01	0.19	0.12	1.20	1.14						
Left 10mm	0.26	0.00	0.00	0.01	0.26	0.27						
Right 10mm	0.02	0.00	0.09	0.07	0.11	0.09						
Bottom 10mm	0.00	0.00	0.10	0.00	0.03	0.00						
Top 10mm	0.02	0.01	0.21	0.19	0.23	0.22						
Reported SAR 1g (W/kg)												
Body Worn	LTE B48 Ant2	BT	WiFi 2.4G	WiFi 5G	WWAN+WWAN2.4G	WWAN+WWAN5G+BT						
Front 15mm	0.02	0.00	0.10	0.12	0.82	0.76						
Rear 15mm	0.63	0.01	0.19	0.12	0.82	0.76						
WWAN - Ant3												
Reported SAR 1g (W/kg)												
Head	GSM850 Ant3	GSM1900 Ant3	W1900 Ant3	W1700 Ant3	W850 Ant3	LTE B7 Ant3	LTE B12 Ant3	LTE B25 Ant3	LTE B26 Ant3	LTE B41 PC3 Ant3	LTE B41 PC2 Ant3	LTE B66 Ant3
Cheek L	0.55	0.25	0.59	0.35	0.31	0.20	0.23	0.55	0.84	0.17	0.19	0.81
Tilt L	0.51	0.25	0.60	0.35	0.25	0.25	0.25	0.55	0.84	0.19	0.22	0.81
Cheek R	0.59	0.50	1.58	0.65	0.45	0.45	0.45	0.85	1.59	0.63	0.67	0.90
Tilt R	0.57	0.43	1.58	0.65	0.45	0.45	0.45	0.73	1.52	0.68	0.75	0.93
Reported SAR 1g (W/kg)												
Hotspot	GSM850 Ant3	GSM1900 Ant3	W1900 Ant3	W1700 Ant3	W850 Ant3	LTE B7 Ant3	LTE B12 Ant3	LTE B25 Ant3	LTE B26 Ant3	LTE B41 PC3 Ant3	LTE B41 PC2 Ant3	LTE B66 Ant3
Front 10mm	0.35	0.35	0.45	0.51	0.37	0.46	0.13	0.37	0.46	0.43	0.43	0.51
Rear 10mm	0.50	0.51	0.57	0.57	0.46	0.71	0.16	0.46	0.71	0.71	0.71	0.71
Left 10mm	0.10	0.15	0.17	0.16	0.22	0.46	0.18	0.41	0.55	0.53	0.53	0.53
Right 10mm	0.08	0.07	0.09	0.08	0.14	0.00	0.18	0.10	0.00	0.00	0.00	0.00
Bottom 10mm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Top 10mm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reported SAR 1g (W/kg)												
Body Worn	GSM850 Ant3	GSM1900 Ant3	W1900 Ant3	W1700 Ant3	W850 Ant3	LTE B7 Ant3	LTE B12 Ant3	LTE B25 Ant3	LTE B26 Ant3	LTE B41 PC3 Ant3	LTE B41 PC2 Ant3	LTE B66 Ant3
Front 15mm	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Rear 17mm	0.17	0.23	0.44	0.32	0.18	0.23	0.17	0.24	0.19	0.25	0.43	0.43
Rear 15mm	0.30	0.38	0.46	0.71	0.46	0.31	0.16	0.42	0.44	0.42	0.42	0.42

WWAN - Ant4							
Reported SAR 1g (W/kg)							
Head	LTE B48 Ant4	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT	
Cheek	L	0.65	0.04	0.32	0.16	0.97	0.85
Tilt	L	0.79	0.00	0.24	0.16	1.03	0.94
Cheek	R	0.49	0.00	0.19	0.13	0.68	0.62
Tilt	R	0.52	0.00	0.19	0.13	0.72	0.66
Hotspot	LTE B48 Ant4	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT	
Front	10mm	0.41	0.00	0.17	0.06	0.59	0.48
Rear	10mm	0.52	0.01	0.19	0.12	0.71	0.65
Left	10mm	0.14	0.00	0.00	0.01	0.14	0.15
Right	10mm	0.11	0.00	0.09	0.07	0.20	0.18
Bottom	10mm	0.02	0.00	0.00	0.00	0.02	0.02
Top	10mm	0.64	0.01	0.21	0.19	0.85	0.85
Body Worn	LTE B48 Ant4	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT	
Front	15mm	0.22	0.00	0.10	0.23	0.32	0.45
Rear	17mm	0.21	0.00	0.16	0.39	0.37	0.60
Rear	15mm	0.27	0.01	0.19	0.12	0.46	0.40

NR - Ant0							
Reported SAR 1g (W/kg)							
Head	N71 Ant0	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT	
Cheek	L	0.00	0.04	0.32	0.16	0.32	0.20
Tilt	L	0.00	0.00	0.24	0.16	0.24	0.16
Cheek	R	0.21	0.00	0.19	0.13	0.40	0.34
Tilt	R	0.00	0.00	0.19	0.13	0.19	0.13
Hotspot	N71 Ant0	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT	
Front	10mm	0.15	0.00	0.17	0.06	0.33	0.21
Rear	10mm	0.26	0.01	0.19	0.12	0.44	0.38
Left	10mm	0.00	0.00	0.00	0.01	0.00	0.01
Right	10mm	0.15	0.00	0.09	0.07	0.24	0.22
Bottom	10mm	0.27	0.00	0.00	0.00	0.27	0.27
Top	10mm	0.00	0.01	0.21	0.19	0.21	0.20
Body Worn	N71 Ant0	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT	
Front	15mm	0.15	0.00	0.10	0.23	0.25	0.38
Rear	17mm	0.09	0.00	0.16	0.39	0.25	0.48
Rear	15mm	0.26	0.01	0.19	0.12	0.44	0.38

NR - Ant1								
Reported SAR 1g (W/kg)								
Head	N25 Ant1	N41 Ant1	N66 Ant1	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Cheek	L	0.44	0.41	0.42	0.32	0.16	0.77	0.64
Tilt	L	0.16	0.10	0.16	0.00	0.24	0.41	0.32
Cheek	R	0.31	0.23	0.21	0.00	0.19	0.50	0.44
Tilt	R	0.23	0.17	0.16	0.00	0.13	0.43	0.37
Hotspot	N25 Ant1	N41 Ant1	N66 Ant1	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	10mm	0.38	0.22	0.30	0.00	0.17	0.56	0.44
Rear	10mm	0.55	0.51	0.53	0.01	0.19	0.74	0.68
Left	10mm	0.36	0.19	0.27	0.00	0.00	0.36	0.36
Right	10mm	0.10	0.02	0.00	0.00	0.09	0.19	0.17
Bottom	10mm	0.39	0.10	0.35	0.00	0.00	0.39	0.39
Top	10mm	0.00	0.00	0.00	0.01	0.21	0.19	0.20
Body Worn	N25 Ant1	N41 Ant1	N66 Ant1	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	15mm	0.39	0.26	0.35	0.00	0.23	0.49	0.62
Rear	17mm	0.37	0.42	0.14	0.00	0.16	0.58	0.81
Rear	15mm	0.59	0.60	0.58	0.01	0.19	0.78	0.73

NR - Ant2								
Reported SAR 1g (W/kg)								
Head	ULMIMO-N41 Ant2	N48 Ant2	N78 Ant2	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Cheek	L	0.04	0.14	0.14	0.04	0.32	0.46	0.34
Tilt	L	0.03	0.00	0.07	0.00	0.24	0.31	0.22
Cheek	R	0.07	0.40	0.38	0.00	0.19	0.59	0.53
Tilt	R	0.05	0.03	0.07	0.00	0.19	0.27	0.21
Hotspot	ULMIMO-N41 Ant2	N48 Ant2	N78 Ant2	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	10mm	0.06	0.03	0.01	0.00	0.17	0.23	0.12
Rear	10mm	0.29	0.57	0.37	0.01	0.19	0.75	0.69
Left	10mm	0.14	0.12	0.14	0.00	0.00	0.14	0.15
Right	10mm	0.00	0.10	0.01	0.00	0.09	0.19	0.17
Bottom	10mm	0.08	0.02	0.00	0.00	0.00	0.08	0.08
Top	10mm	0.04	0.02	0.01	0.01	0.21	0.24	0.24
Body Worn	ULMIMO-N41 Ant2	N48 Ant2	N78 Ant2	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	15mm	0.06	0.64	0.03	0.00	0.10	0.74	0.87
Rear	15mm	0.29	0.96	0.86	0.01	0.19	1.15	1.09

NR - Ant3										
Reported SAR 1g (W/kg)										
Head	N25 Ant3	N41 Ant3	ULMIMO-N41 Ant3	N66 Ant3	N71 Ant3	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Cheek	L	0.47	0.20	0.21	0.33	0.29	0.32	0.16	0.79	0.66
Tilt	L	0.48	0.23	0.22	0.31	0.28	0.00	0.24	0.72	0.63
Cheek	R	0.90	0.74	0.75	0.67	0.40	0.00	0.13	1.09	1.03
Tilt	R	0.88	0.70	0.69	0.24	0.30	0.00	0.19	1.08	1.01
Hotspot	N25 Ant3	N41 Ant3	ULMIMO-N41 Ant3	N66 Ant3	N71 Ant3	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	10mm	0.34	0.23	0.17	0.36	0.12	0.00	0.17	0.54	0.42
Rear	10mm	0.42	0.35	0.26	0.39	0.16	0.01	0.19	0.61	0.55
Left	10mm	0.10	0.30	0.22	0.12	0.15	0.00	0.00	0.30	0.31
Right	10mm	0.05	0.00	0.00	0.05	0.08	0.00	0.09	0.17	0.15
Bottom	10mm	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.03	0.03
Top	10mm	0.52	0.52	0.39	0.62	0.07	0.01	0.21	0.82	0.82
Body Worn	N25 Ant3	N41 Ant3	ULMIMO-N41 Ant3	N66 Ant3	N71 Ant3	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	15mm	0.47	0.39	0.38	0.35	0.12	0.00	0.23	0.57	0.70
Rear	17mm	0.47	0.41	0.39	0.25	0.14	0.00	0.16	0.63	0.86
Rear	15mm	0.46	0.49	0.49	0.40	0.16	0.01	0.19	0.67	0.62

NR - Ant4								
Reported SAR 1g (W/kg)								
Head		N48 Ant4	N78 Ant4	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Cheek	L	0.46	0.40	0.04	0.32	0.16	0.78	0.65
Tilt	L	0.58	0.31	0.00	0.24	0.16	0.83	0.74
Cheek	R	0.34	0.18	0.00	0.19	0.13	0.53	0.47
Tilt	R	0.38	0.24	0.00	0.19	0.13	0.57	0.51
Hotspot		N48 Ant4	N78 Ant4	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	10mm	0.54	0.31	0.00	0.17	0.06	0.71	0.60
Rear	10mm	0.51	0.35	0.01	0.19	0.12	0.69	0.63
Left	10mm	0.15	0.13	0.00	0.00	0.01	0.15	0.16
Right	10mm	0.11	0.06	0.00	0.09	0.07	0.20	0.18
Bottom	10mm	0.05	0.04	0.00	0.00	0.00	0.05	0.05
Top	10mm	0.75	1.05	0.01	0.21	0.19	1.25	1.25
Body Worn		N48 Ant4	N78 Ant4	BT	WiFi 2.4G	WiFi 5G	WWAN+WLAN2.4G	WWAN+WLAN5G+BT
Front	15mm	0.64	0.15	0.00	0.10	0.23	0.74	0.87
Rear	17mm	0.49	0.15	0.00	0.16	0.39	0.65	0.88
Rear	15mm	0.51	0.35	0.01	0.19	0.12	0.69	0.63
Reported SAR 1g (W/kg)								
Head		ULMIMO-N41 Ant3	ULMIMO-N41 Ant2	BT	WiFi 2.4G	WiFi 5G	MIMO+WLAN2.4G	MIMO+WLAN5G+BT
Cheek	L	0.21	0.04	0.04	0.32	0.16	0.57	0.45
Tilt	L	0.22	0.03	0.00	0.24	0.16	0.49	0.41
Cheek	R	0.75	0.07	0.00	0.19	0.13	1.01	0.95
Tilt	R	0.69	0.05	0.00	0.19	0.13	0.93	0.86
Hotspot		ULMIMO-N41 Ant3	ULMIMO-N41 Ant2	BT	WiFi 2.4G	WiFi 5G	MIMO+WLAN2.4G	MIMO+WLAN5G+BT
Front	10mm	0.17	0.06	0.00	0.17	0.06	0.41	0.29
Rear	10mm	0.26	0.29	0.01	0.19	0.12	0.73	0.67
Left	10mm	0.22	0.14	0.00	0.00	0.01	0.36	0.37
Right	10mm	0.00	0.00	0.00	0.09	0.07	0.09	0.07
Bottom	10mm	0.02	0.08	0.00	0.00	0.00	0.10	0.10
Top	10mm	0.39	0.04	0.01	0.21	0.19	0.63	0.63
Body Worn		ULMIMO-N41 Ant3	ULMIMO-N41 Ant2	BT	WiFi 2.4G	WiFi 5G	MIMO+WLAN2.4G	MIMO+WLAN5G+BT
Front	15mm	0.38	0.06	0.00	0.10	0.23	0.54	0.67
Rear	17mm	0.39	0.29	0.00	0.16	0.39	0.84	1.07
Rear	15mm	0.49	0.29	0.01	0.19	0.12	0.96	0.90

Note: The result of NFC is lower than 0.01

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.

15 Measurement Uncertainty

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

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

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

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

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

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

16 MAIN TEST INSTRUMENTS

Table 16.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	N5239A	MY55491241	May 21,2024	One year
02	Power sensor	NRP50S	101488	June 5,2024	One year
03	Power sensor	NRP50S	101489		
04	Signal Generator	MG3700A	6201052605	June 12,2024	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	129942	May 17,2024	One year
07	DAE	SPEAG DAE4	1331	September 14,2024	One year
08	E-field Probe	SPEAG EX3DV4	7673	July 29,2024	One year
09	E-field Probe	SPEAG EX3DV4	7464	January 28,2025	One year
10	E-field Probe	SPEAG EX3DV4	7307	May 28,2024	One year
11	Dipole Validation Kit	SPEAG D750V3	1017	July 9,2024	One year
12	Dipole Validation Kit	SPEAG D835V2	4d069	July 9,2024	One year
13	Dipole Validation Kit	SPEAG D1750V2	1003	July 11,2024	One year
14	Dipole Validation Kit	SPEAG D1900V2	5d101	July 8,2024	One year
15	Dipole Validation Kit	SPEAG D2450V2	853	July 10,2024	One year
16	Dipole Validation Kit	SPEAG D2600V2	1012	July 10,2024	One year
17	Dipole Validation Kit	SPEAG D3700V2	1004	June 13,2024	One year
18	Dipole Validation Kit	SPEAG D5GHzV2	1060	June 12,2024	One year
19	Dipole Validation Kit	SPEAG CLA13	1009	May 21,2024	One year

END OF REPORT BODY

Appendixes

Refer to separated files for the following appendixes

ANNEX A Graph Results

ANNEX B System Verification Results

ANNEX C SAR Measurement Setup

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

ANNEX E Equivalent Media Recipes

ANNEX F System Validation

ANNEX G Probe Calibration Certificate

ANNEX H Dipole Calibration Certificate

ANNEX I SAR Sensor Triggering Data Summary

ANNEX J Accreditation Certificate