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SAR TEST REPORT

Applicant Name:

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Rep. of Korea

Date of Issue: Dec. 07, 2021

Test Report No.: HCT-SR-2111-FC007-R1

Test Site: HCT CO., LTD.

FCC ID:

A3LSMX808U

Equipment Type:

Tablet

Application Type

Certification

FCC Rule Part(s):

CFR §2.1093

Model Name:

SM-X808U

Date of Test:

Sep. 20. 2021 ~ Nov. 23. 2021

This device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in FCC KDB procedures and had been tested in accordance with the measurement procedures specified in FCC KDB procedures.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Tested By

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REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	Nov. 26, 2021	Initial Release
1	Dec.07, 2021	Revised Page.26, Section 11.

This test results were applied only to the test methods required by the standard.

The above Test Report is not related to the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA.

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Appendix I. UL_DLCA Power Measurement

1. Test Regulations

The tests documented in this report were performed in accordance with FCC CFR § 2.1093, IEEE 1528-2013, ANSI C63.26-2015 the following FCC Published RF exposure KDB procedures:

- FCC KDB Publication 941225 D01 3G SAR Procedures v03r01
- FCC KDB Publication 941225 D05 SAR for LTE Devices v02r05
- FCC KDB Publication 941225 D05A LTE Rel.10 KDB Inquiry sheet v01r02
- FCC KDB Publication 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB Publication 447498 D01 General SAR Guidance v06
- FCC KDB Publication 616217 D04 SAR Tablets v01r02
- FCC KDB Publication 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- FCC KDB Publication 865664 D02 SAR Reporting v01r02
- FCC KDB Publication 690783 D01 SAR Listings on Grants v01r03
- FCC KDB Publication 971168 D01 Power Meas License Digital Systems v03r01

In Addition to the above, the following information was used.

- October 2014 TCB Workshop Notes (Overlapping LTE Bands)
- April 2015 TCB Workshop Notes(Overlapping LTE Bands Test exclusion)
- April 2015 TCB Workshop Notes (Simultaneous transmission summation clarified)
- October 2016 TCB Workshop Notes (Bluetooth Duty Factor)
- November 2017 TCBC Workshop Notes (LTE Carrier Aggregation)
- May 2017 TCBC Workshop Notes (LTE 4x4 Downlink MIMO, LTE Band 41 Power Class 2)
- April 2019 TCBC Workshop Notes (IEEE 802.11 ax)
- April 2018 TCBC Workshop Notes (LTE DL CA SAR Test Exclusion)
- November 2019 TCBC Workshop Notes (SPLSR Hotspot Combination)
- April 2019 and Oct 2020 TCBC Workshop Notes (Dynamic Antenna tuning)

2. Test Location

2.1 Test Laboratory

Company Name	HCT Co., Ltd.
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2.2 Test Facilities

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

Korea	National Radio Research Agency (Designation No. KR0032)
	KOLAS (Testing No. KT197)

3. Information of the EUT

3.1 General Information of the EUT

Model Name	SM-X808U
Equipment Type	Tablet
FCC ID	A3LSMX808U
Application Type	Certification
Applicant	SAMSUNG Electronics Co., Ltd.

3.2 Attestation of test result of device under test

Band	Tx. Frequency	Equipment Class	SAR (W/kg)
			Reported 1g Body SAR
UMTS Band 5	826.4 MHz ~ 846.6 MHz	PCB	0.77
UMTS Band 4	1 712.4 MHz ~ 1 752.6 MHz	PCB	0.79
UMTS Band 2	1 852.4 MHz ~ 1 907.6 MHz	PCB	0.86
LTE Band 2	1 850.7 MHz ~ 1 909.3 MHz	PCB	1.10
LTE Band 4	1 710.7 MHz ~ 1 754.3 MHz	PCB	N/A
LTE Band 5 (Cell)	824.7 MHz ~ 848.3 MHz	PCB	1.08
LTE Band 7	2 502.5 MHz ~ 2 567.5 MHz	PCB	1.03
LTE Band 12	699.7 MHz ~ 715.3 MHz	PCB	0.55
LTE Band 13	779.5 MHz ~ 784.5 MHz	PCB	0.68
LTE Band 25	1 850.7 MHz ~ 1 914.3 MHz	PCB	1.05
LTE Band 26	814.7 MHz ~ 848.3 MHz	PCB	0.59
LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz	PCB	0.85
LTE Band 66 (AWS)	1 710.7 MHz ~ 1 779.3 MHz	PCB	1.09
LTE Band 71	665.5 MHz ~ 695.5 MHz	PCB	0.73
NR Band 2	1 852.5 MHz ~ 1 907.5 MHz	PCB	N/A
NR Band 5	826.5 MHz ~ 846.5 MHz	PCB	0.63
NR Band 25	1 852.5 MHz ~ 1 912.5 MHz	PCB	1.02
NR Band 41	2 498.5 MHz ~ 2 687.5 MHz	PCB	0.52
NR Band 66	1 712.5 MHz ~ 1 777.5 MHz	PCB	1.06
NR Band 71	665.5 MHz - 695.5 MHz	PCB	0.52
NR Band 77	3 710 MHz ~ 3 969.99 MHz	PCB	1.07
NR Band 77(DoD)	3450 MHz ~ 3550 MHz	PCB	1.00
2.4GHz WLAN	2 412 MHz ~ 2 462 MHz	DTS	0.99
U-NII-1	5 180 MHz ~ 5 240 MHz	NII	N/A
U-NII-2A	5 260 MHz ~ 5 320 MHz	NII	0.55
U-NII-2C	5 500 MHz ~ 5 720 MHz	NII	0.52
U-NII-3	5 745 MHz ~ 5 825 MHz	NII	0.59
U-NII-4	5 845 MHz ~ 5 885 MHz	NII	0.78
Bluetooth	2 402 MHz ~ 2 480 MHz	DSS	0.48
Simultaneous SAR per KDB 690783 D01v01r03			1.599
Date(s) of Tests:	Sep. 20. 2021 ~ Nov. 23. 2021		

4. Device Under Test Description

4.1 DUT specification

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
UMTS Band 5	Data	826.4 MHz ~ 846.6 MHz
UMTS Band 4	Data	1 712.4 MHz ~ 1 752.6 MHz
UMTS Band 2	Data	1 852.4 MHz ~ 1 907.6 MHz
LTE Band 2	Data	1 850.7 MHz ~ 1 909.3 MHz
LTE Band 4	Data	1 710.7 MHz ~ 1 754.3 MHz
LTE Band 5 (Cell)	Data	824.7 MHz ~ 848.3 MHz
LTE Band 7	Data	2 502.5 MHz ~ 2 567.5 MHz
LTE Band 12	Data	699.7 MHz ~ 715.3 MHz
LTE Band 13	Data	779.5 MHz ~ 784.5 MHz
LTE Band 25	Data	1 850.7 MHz ~ 1 914.3 MHz
LTE Band 26	Data	814.7 MHz ~ 848.3 MHz
LTE TDD Band 41	Data	2 498.5 MHz ~ 2 687.5 MHz
LTE Band 66 (AWS)	Data	1 710.7 MHz ~ 1 779.3 MHz
LTE Band 71	Data	665.5 MHz ~ 695.5 MHz
NR Band 2	Data	1 852.5 MHz ~ 1 907.5 MHz
NR Band 5	Data	826.5 MHz ~ 846.5 MHz
NR Band 25	Data	1 852.5 MHz ~ 1 912.5 MHz
NR Band 41	Data	2 506.02 MHz ~ 2 679.99 MHz
NR Band 66	Data	1 712.5 MHz ~ 1 777.5 MHz
NR Band 71	Data	665.5 MHz - 695.5 MHz
NR Band 77	Data	3 710 MHz ~ 3 969.99 MHz
NR Band 77(DoD)	Data	3 450 MHz ~ 3 550 MHz
NR Band n260	Data	37000 MHz ~ 40000 MHz
NR Band n261	Data	27500 MHz ~ 28350 MHz
2.4GHz WLAN	Data	2 412 MHz ~ 2 462 MHz
U-NII-1	Data	5 180 MHz ~ 5 240 MHz
U-NII-2A	Data	5 260 MHz ~ 5 320 MHz
U-NII-2C	Data	5 500 MHz ~ 5 720 MHz
U-NII-3	Data	5 745 MHz ~ 5 825 MHz
U-NII-4	Data	5 845 MHz ~ 5 885 MHz
U-NII-5	Data	5 935 MHz ~ 6 415 MHz
U-NII-6	Data	6 435 MHz ~ 6 525 MHz
U-NII-7	Data	6 535 MHz ~ 6 875 MHz
U-NII-8	Data	6 895 MHz ~ 7 115 MHz
Bluetooth	Data	2 402 MHz ~ 2 480 MHz
S-PEN	Data	530 kHz

Device Description		
H/W	REV0.2	
S/W	X808U.001	
Device Serial Numbers	Mode	Serial Number
	Legacy	UI80140M, UI80133M
	Sub6	UI80196M, UI18081M
	mmWave	UI18081M
	Bluetooth	UIF4445M
	WLAN	UI80156M, UI80107M
The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics are within operational tolerances expected for production units.		

Time-Averaging Algorithm for RF Exposure Compliance

The device is enabled with Qualcomm® Smart Transmit feature.

This feature performs time averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. DUT contains embedded file system(EFS) version 16 configured for the second generation (GEN 2) for sub 6 and for the first generation (GEN 1) for mmWave.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target for sub 6 radio or PD_design_target for 5G mmW NR, below the predefined time averaged power limit for each characterized technology and band. Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed , but enforces power limiting to maintain time-averaged transmit power to Plimit for frequencies < 6 GHz and input.power.limit for frequencies > 6 GHz.

SAR Characterization

SAR Exposure Configurations			Plimt (all values are time averaged)		Pmax		
			Body SAR Grip Off	Body SAR Grip ON	Burst Average Power [dBm]	Frame Averaged Power [dBm]	UL:DL Ratio
			Max Power	Reduced Power			
			Averaging volume	1g			
DSI			0	1			
Mode	Band	Antenna	Plimt		Pmax		
UMTS	5	Main 1	23.5	16.0	23.5	FDD	100%
UMTS	4	Main 1	23.5	13.0	23.5	FDD	100%
UMTS	2	Main 1	23.5	13.0	23.5	FDD	100%
LTE FDD	2	Main 1	24.0	13.0	24.0	FDD	100%
LTE FDD	4	Main 1	24.0	13.0	24.0	FDD	100%
LTE FDD	5	Main 1	24.0	16.0	24.0	FDD	100%
LTE FDD	7	Main 1	21.5	10.5	21.5	FDD	100%
LTE FDD	12	Main 1	24.0	14.0	24.0	FDD	100%
LTE FDD	13	Main 1	24.0	14.0	24.0	FDD	100%
LTE FDD	25	Main 1	24.0	13.0	24.0	FDD	100%
LTE FDD	26	Main 1	24.0	14.0	24.0	FDD	100%
LTE FDD	66	Main 1	24.0	13.0	24.0	FDD	100%
LTE FDD	71	Main 1	24.0	14.0	24.0	FDD	100%
LTE TDD PC3	41	Main 1	22.0	11.0	24.0	22.0	63.3%
LTE TDD PC2	41	Main 1	22.9	11.0	26.5	22.9	43.3%
LTE FDD With FR1 ENDC	2	Sub 1	24.0	13.5	24.0	FDD	100%
LTE FDD With FR1 ENDC	66	Sub 1	24.0	13.5	24.0	FDD	100%
LTE FDD With FR1 ENDC	7	Sub 1	21.5	13.0	21.5	FDD	100%
NR FDD	2	Main 1	24.0	13.5	24.0	FDD	100%
NR FDD	5	Main 1	24.0	16.0	24.0	FDD	100%
NR FDD	25	Main 1	24.0	13.5	24.0	FDD	100%
NR FDD	66	Main 1	24.0	13.5	24.0	FDD	100%
NR TDD	71	Main 1	24.0	14.0	24.0	FDD	100%
NR TDD (PC3)	77	Main 3	18.5	8.0	24.5	18.5	25%
NR TDD (PC2)	77	Main 3	20.5	8.0	26.5	20.5	25%
NR TDD (PC3)	41	Main 1	18.0	8.0	24.0	18.0	25%
NR TDD (PC2)	41	Main 1	20.5	8.0	26.5	20.5	25%

Note that WLAN operations are not enabled with Smart Transmit.

Note:

1. when the Proximity sensor is triggered, the P_{limit} for DSI=1 is set
2. When $P_{max} < P_{limit}$, the DUT will operate at a power level up to P_{max} .
3. When DSI=1, $P_{limit}((Tune-up)) < P_{limit}(cal)$, the DUT will operate at a power level up to P_{limit} as tune-up document
4. Maximum Tune up Power, P_{max} . Is configured in NV settings in EUT to limit maximum transmitting power
5. Note all P_{limit} EFS and maximum tune up output power P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes.
6. Maximum tune up output power P_{max} is used to configure EUT during RF tune up procedure. The maximum allowed output power is equal to maximum Tune up output power + 1dB device design uncertainty
7. Note that the device uncertainty for sub-6GHz WWAN is 1.0dB for this EUT

The maximum time-averaged output power (dBm) for any 3G/4G/5G WWAN technology, band, and DSI = minimum of "P_{limit} EFS" and "Maximum tune up output power P_{max} " + 1dB device uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB Publication 447498 D01v06.

The purpose of this report (Part 1) is to demonstrate that the EUT meets FCC SAR limits when transmitting in static transmission scenario at maximum allowable time-averaged power levels.

Measurement Condition: All conducted power and SAR measurements in this report were performed by setting Reserve_power_margin (Smart Transmit EFS entry) to 0dB.

4.2 Power Reduction for SAR

This device uses an independent fixed level power reduction mechanism for WLAN operations when 5G NR Bands are active or When 2.4 GHz WLAN mode and 5 GHz/6 GHz WLAN mode are simultaneously transmitted, and also during activating in close proximity to the user's Body

FCC KDB Publication 616217 D04v01r02 Sec.6 was used as a guideline for selection SAR test distances for device

The reduced powers for the power reduction mechanisms were conformed via conducted power measurements at the RF Port.

4.3 Nominal and Maximum Output Power Specifications

This device operates using the following maximum output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB publication 447498 D01v06.

The contents of DSI(Device State indicator) are as follows.

DSI 0: Max Power, DSI 1: GRIP ON Power Back-off

4.3.1 Maximum Output Power for 3G/4G/5G Bands (DSI=0)

Main 1 Ant

DSI	Mode / Band		Modulated Average (dBm)			
			3GPP UMTS	3GPP HSDPA	3GPP HSUPA	DC-HSDPA
0	UMTS Band 5 (850 MHz)	Maximum	24.5	23.5	23.5	23.5
		Nominal	23.5	22.5	22.5	22.5
0	UMTS Band 4 (1700 MHz)	Maximum	24.5	23.5	23.5	23.5
		Nominal	23.5	22.5	22.5	22.5
0	UMTS Band 2 (1900 MHz)	Maximum	24.5	23.5	23.5	23.5
		Nominal	23.5	22.5	22.5	22.5

Main 1 Ant

DSI	Mode / Band		Modulated Average (dBm)	
0	LTE Band 2 (PCS)	Maximum	25.0	
		Nominal	24.0	
0	LTE Band 4 (AWS)	Maximum	25.0	
		Nominal	24.0	
0	LTE Band 5 (Cell)	Maximum	25.0	
		Nominal	24.0	
0	LTE Band 7	Maximum	22.5	
		Nominal	21.5	
0	LTE Band 12	Maximum	25.0	
		Nominal	24.0	
0	LTE Band 13	Maximum	25.0	
		Nominal	24.0	
0	LTE Band 25 (PCS)	Maximum	25.0	
		Nominal	24.0	
0	LTE Band 26 (Cell)	Maximum	25.0	
		Nominal	24.0	

Main 1 Ant

DSI	Mode / Band		Modulated Average (dBm)
0	LTE Band 41 PC3	Maximum	25.0
		Nominal	24.0
0	LTE Band 41 PC2	Maximum	27.5
		Nominal	26.5
0	LTE Band 66 (AWS)	Maximum	25.0
		Nominal	24.0
0	LTE Band 71	Maximum	25.0
		Nominal	24.0

Main 1 Ant

DSI	Mode / Band		Modulated Average (dBm)
0	NR Band n2 (PCS)	Maximum	25.0
		Nominal	24.0
0	NR Band n5 (Cell)	Maximum	25.0
		Nominal	24.0
0	NR Band n25	Maximum	25.0
		Nominal	24.0
0	NR Band n41(PC3)	Maximum	25.0
		Nominal	24.0
0	NR Band n41 (PC2)	Maximum	27.5
		Nominal	26.5
0	NR Band n66	Maximum	25.0
		Nominal	24.0
0	NR Band n71	Maximum	25.0
		Nominal	24.0

Main 3 Ant

DSI	Mode / Band		Modulated Average (dBm)
0	NR Band n77(PC3)	Maximum	25.5
		Nominal	24.5
0	NR Band n77 (PC2)	Maximum	27.5
		Nominal	26.5

4.3.2 Reduced Output Power for 3G/4G/5G Bands – (DSI=1, Proximity Sensor activated) Main 1 Ant

DSI	Mode / Band		Modulated Average (dBm)			
			3GPP UMTS	3GPP HSDPA	3GPP HSUPA	DC-HSDPA
1	UMTS Band 5 (850 MHz)	Maximum	17.0	16.0	16.0	16.0
		Nominal	16.0	15.0	15.0	15.0
1	UMTS Band 4 (1700 MHz)	Maximum	14.0	13.0	13.0	13.0
		Nominal	13.0	12.0	12.0	12.0
1	UMTS Band 2 (1900 MHz)	Maximum	14.0	13.0	13.0	13.0
		Nominal	13.0	12.0	12.0	12.0

Main 1 Ant

DSI	Mode / Band		Modulated Average (dBm)			
1	LTE Band 2 (PCS)	Maximum	14.0			
		Nominal	13.0			
1	LTE Band 4 (AWS)	Maximum	14.0			
		Nominal	13.0			
1	LTE Band 5 (Cell)	Maximum	17.0			
		Nominal	16.0			
1	LTE Band 7	Maximum	11.5			
		Nominal	10.5			
1	LTE Band 12	Maximum	15.0			
		Nominal	14.0			
1	LTE Band 13	Maximum	15.0			
		Nominal	14.0			
1	LTE Band 25 (PCS)	Maximum	14.0			
		Nominal	13.0			
1	LTE Band 26 (Cell)	Maximum	15.0			
		Nominal	14.0			
1	LTE Band 41 PC3	Maximum	14.0			
		Nominal	13.0			
1	LTE Band 41 PC2	Maximum	14.0			
		Nominal	13.0			
1	LTE Band 66 (AWS)	Maximum	14.0			
		Nominal	13.0			
1	LTE Band 71	Maximum	15.0			
		Nominal	14.0			

The Reduced output Power of LTE bands of Sub 1 Ant in ENDC combination with 5G NR FR1 band

DSI	Mode / Band		Modulated Average (dBm)			
1	LTE Band 2 (PCS)	Maximum	14.5			
		Nominal	13.5			
1	LTE Band 7	Maximum	14.0			
		Nominal	13.0			
1	LTE Band 66	Maximum	14.5			
		Nominal	13.5			

Sub 1 Ant operates with the 5G NR FR1 bands only under ENDC conditions.

Main 1 Ant

DSI	Mode / Band		Modulated Average (dBm)
1	NR Band n2 (PCS)	Maximum	14.5
		Nominal	13.5
1	NR Band n5 (Cell)	Maximum	17.0
		Nominal	16.0
1	NR Band n25	Maximum	14.5
		Nominal	13.5
1	NR Band n41	Maximum	15.0
		Nominal	14.0
1	NR Band n41 (HPUE)	Maximum	15.0
		Nominal	14.0
1	NR Band n66	Maximum	14.5
		Nominal	13.5
1	NR Band n71	Maximum	15.0
		Nominal	14.0

Main 3 Ant

DSI	Mode / Band		Modulated Average (dBm)
1	NR Band n77	Maximum	15.0
		Nominal	14.0
1	NR Band n77 (HPUE)	Maximum	15.0
		Nominal	14.0

4.3.3 Maximum 2.4 GHz, 5 GHz WIFI output power

Mode	SISO						MIMO					
	a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
2.4GHz		18.0	17.0	17.0		17.0		21.0	20.0	20.0		20.0
2.4GHz (Ch.11)		18.0	17.0	15.5		15.5		21.0	20.0	18.5		18.5
5GHZ(20MHz)	17.0			17.0	17.0	17.0	20.0			20.0	20.0	20.0
5GHZ(40MHz)				16.0 38ch 15 62ch 14 102ch 14	16.0 38ch 15 62ch 14 102ch 14	16.0				19.0 38ch 18 62ch 17 102ch 17	19.0 38ch 18 62ch 17 102ch 17	19.0
5GHZ(80MHz)					15.0 42ch 14 58ch 13 106ch 14	15.0					18.0 42ch 17 58ch 16 106ch 17	18.0
5GHZ(160MHz)						14.0						17.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.4 Reduced 2.4 GHz, 5 GHz WIFI output power -Grip Active.

Mode	SISO						MIMO					
	a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
2.4GHz		12.0	12.0	12.0		12.0		15.0	15.0	15.0		15.0
2.4GHz (Ch.11)		12.0	12.0	12.0		12.0		15.0	15.0	15.0		15.0
5GHZ(20MHz)	8.0			8.0	8.0	8.0	11.0			11.0	11.0	11.0
5GHZ(40MHz)				8.0	8.0	8.0				11.0	11.0	11.0
5GHZ(80MHz)					8.0	8.0					11.0	11.0
5GHZ(160MHz)						8.0						11.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.5 2.4 GHz, 5 GHz WIFI output power –RSDB, mmWave, Sub6

Mode	SISO						MIMO					
	a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
2.4GHz		10.0	10.0	10.0		10.0		13.0	13.0	13.0		13.0
2.4GHz (Ch.11)		10.0	10.0	10.0		10.0		13.0	13.0	13.0		13.0
5GHZ(20MHz)	6.0			6.0	6.0	6.0	9.0			9.0	9.0	9.0
5GHZ(40MHz)				6.0	6.0	6.0				9.0	9.0	9.0
5GHZ(80MHz)					6.0	6.0					9.0	9.0
5GHZ(160MHz)						6.0						9.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.6 Maximum Power 802.11ax RU Power

Tones	SISO (ANT1/2) /in dBm					MIMO (ALL) /in dBm				
	2.4G	5G/20Mhz	5G/40Mhz	5G/80Mhz	5G/160Mhz	2.4G	5G/20Mhz	5G/40Mhz	5G/80Mhz	5G/160Mhz
26T	13.0					16.0	10.0	10.0	10.0	10.0
52T	15.0					18.0	12.5	12.5	12.5	12.5 114ch 11
106T	15.0					18.0	14.0	14.0	14.0	13.0 114ch 11
242T	15.0					18.0	16.0	15.0	14.0	13.0 114ch 11
484T								15.0	14.0	13.0 114ch 11
996T									14.0	13.0 114ch 11

(Upper Tolerance: target ~ +1.0 dB)

4.3.7 Reduced Power 802.11ax RU Tx power – Grip Active

Tones	SISO (ANT1/2) /in dBm					MIMO (ALL) /in dBm				
	2.4G	5G/20Mhz	5G/40Mhz	5G/80Mhz	5G/160Mhz	2.4G	5G/20Mhz	5G/40Mhz	5G/80Mhz	5G/160Mhz
26T	12.0					15.0	10.0	10.0	10.0	10.0
52T	12.0					15.0	11.0	11.0	11.0	11.0
106T	12.0					15.0	11.0	11.0	11.0	11.0
242T	12.0					15.0	11.0	11.0	11.0	11.0
484T								11.0	11.0	11.0
996T									11.0	11.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.8 802.11ax RU Tx power – RSDB, mmWave, Sub6 Active

Tones	SISO (ANT1/2) /in dBm					MIMO (ALL) /in dBm				
	2.4G	5G/20Mhz	5G/40Mhz	5G/80Mhz	5G/160Mhz	2.4G	5G/20Mhz	5G/40Mhz	5G/80Mhz	5G/160Mhz
26T	10.0					13.0	9.0	9.0	9.0	9.0
52T	10.0					13.0	9.0	9.0	9.0	9.0
106T	10.0					13.0	9.0	9.0	9.0	9.0
242T	10.0					13.0	9.0	9.0	9.0	9.0
484T								9.0	9.0	9.0
996T									9.0	9.0

(Upper Tolerance: target ~ +1.0 dB)

4.3.9 Maximum 6 GHz WIFI output power

Mode	MIMO			
	802.11a		802.11 Ax(SU)	
	Nominal	Maximum	Nominal	Maximum
U-NII 6-7 GHz (20MHz BW)	12.0	13.0	12.0	13.0
U-NII 6-7 GHz (40MHz BW)			11.5	12.5
U-NII 6-7 GHz (80MHz BW)			11.5	12.5
U-NII 6-7 GHz (160MHz BW)			11.5	12.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.10 Reduced Power 6 GHz WIFI output power -Grip Active.

Mode	MIMO			
	802.11a		802.11 Ax(SU)	
	Nominal	Maximum	Nominal	Maximum
U-NII 6-7 GHz (20MHz BW)	11	12	11	12
U-NII 6-7 GHz (40MHz BW)			10.5	11.5
U-NII 6-7 GHz (80MHz BW)			10.5	11.5
U-NII 6-7 GHz (160MHz BW)			10.5	11.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.11 6 GHz WIFI output power - RSDB, mmWave, Sub6 Active.

Mode	MIMO			
	802.11a		802.11 Ax(SU)	
	Nominal	Maximum	Nominal	Maximum
U-NII 6-7 GHz (20MHz BW)	9	10	9	10
U-NII 6-7 GHz (40MHz BW)			8.5	9.5
U-NII 6-7 GHz (80MHz BW)			8.5	9.5
U-NII 6-7 GHz (160MHz BW)			8.5	9.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.12 Maximum 6 GHz 802.11ax RU Power

Tones	MIMO			
	6G/20Mhz	6G/40Mhz	6G/80Mhz	6G/160Mhz
26T	3.0	3.0	3.0	3.0
52T	6.0	6.0	6.0	6.0
106T	9.0	9.0	9.0	9.0
242T	12.0	11.5	11.5	11.5
484T		11.5	11.5	11.5
996T				11.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.13 Reduced Power 6 GHz 802.11ax RU Power- Grip Active.

Tones	MIMO			
	6G/20Mhz	6G/40Mhz	6G/80Mhz	6G/160Mhz
26T	3.0	3.0	3.0	3.0
52T	6.0	6.0	6.0	6.0
106T	9.0	9.0	9.0	9.0
242T	11.0	10.5	10.5	10.5
484T		10.5	10.5	10.5
996T				10.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.14 6 GHz 802.11ax RU Power- RSDB, mmWave, Sub6 Active.

Tones	MIMO			
	6G/20Mhz	6G/40Mhz	6G/80Mhz	6G/160Mhz
26T	3.0	3.0	3.0	3.0
52T	6.0	6.0	6.0	6.0
106T	9.0	8.5	8.5	8.5
242T	9.0	8.5	8.5	8.5
484T		8.5	8.5	8.5
996T				8.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.15 Maximum Bluetooth Power

Mode / Band		Modulated Average (dBm)	
		Ant.1	Ant.2
Bluetooth BDR DH5	2402	16.0	15.5
	2440		
	2480		
Bluetooth EDR 2-DH5	2402	14.0	13.0
	2440		
	2480		
Bluetooth EDR 3-DH5	2402	14.0	13.0
	2440		
	2480		
Bluetooth LE Low Power		9.0	7.5
Bluetooth LE High Power 1M		16.0	15.0
Bluetooth LE High Power 2M		16.0	15.3

(Upper Tolerance: target ~ +1.0 dB)

4.3.16 Reduced Bluetooth Power – Grip Active

Mode / Band		Modulated Average (dBm)	
		Ant.1	Ant.2
Bluetooth BDR DH5	2402	9	9.5
	2440		
	2480		
Bluetooth EDR 2-DH5	2402	9	9.5
	2440		
	2480		
Bluetooth EDR 3-DH5	2402	9	9.5
	2440		
	2480		
Bluetooth LE 1M(37)	0	8.5	7.5
	19	8.5	7.5
	39	8.5	7.5
Bluetooth LE 1M(255)	0	8.5	7.5
	19	8.5	7.5
	39	8.5	7.5
Bluetooth LE 2M(37)	0	8.5	7.5
	19	8.5	7.5
	39	8.5	7.5
Bluetooth LE 2M(255)	0	8.5	7.5
	19	8.5	7.5
	39	8.5	7.5

(Upper Tolerance: target ~ +1.0 dB)

4.3.17 Bluetooth Power - RSDB, mmWave, Sub6 Active.

Mode / Band		Modulated Average (dBm)	
		Ant.1	Ant.2
Bluetooth BDR DH5	2402	8	8
	2440		
	2480		
Bluetooth EDR 2-DH5	2402	7.5	8
	2440		
	2480		
Bluetooth EDR 3-DH5	2402	7.5	8
	2440		
	2480		
Bluetooth LE 1M(37)	0	7.5	6.5
	19	7.5	6.5
	39	7.5	6.5
Bluetooth LE 1M(255)	0	7.5	6.5
	19	7.5	6.5
	39	7.5	6.5
Bluetooth LE 2M(37)	0	7.5	6.5
	19	7.5	6.5
	39	7.5	6.5
Bluetooth LE 2M(255)	0	7.5	6.5
	19	7.5	6.5
	39	7.5	6.5

(Upper Tolerance: target ~ +1.0 dB)

4.4 4G/5G Mode Information

Item.	Description
Frequency Range	LTE Band 2 (PCS) 1 850.7 MHz ~ 1 909.3 MHz
	LTE Band 4 (AWS) 1 710.7 MHz ~ 1 754.3 MHz
	LTE Band 5 (Cell) 824.7 MHz ~ 848.3 MHz
	LTE Band 7 2 502.5 MHz ~ 2 567.5 MHz
	LTE Band 12 699.7 MHz~ 715.3 MHz
	LTE Band 13 779.5 MHz ~ 784.5 MHz
	LTE Band 25 (PCS) 1 850.7 MHz ~ 1 914.3 MHz
	LTE Band 26 (Cell) 814.7 MHz ~ 848.3 MHz
	LTE TDD Band 41 2 498.5 MHz ~ 2 687.5 MHz
	LTE Band 66 (AWS) 1 710.7 MHz ~ 1 779.3 MHz
	LTE Band 71 665.5 MHz ~ 695.5 MHz
	NR Band n2 (PCS) 1 852.5 MHz ~ 1 907.5 MHz
	NR Band n5 (Cell) 826.5 MHz ~ 846.5 MHz
	NR Band n25 1852.5 MHz ~ 1912.5 MHz
	NR Band n41 2 506.02 MHz ~ 2 679.99 MHz
	NR Band n66 (AWS) 1 712.5 MHz ~ 1 777.5 MHz
	NR Band n71 665.5 MHz ~ 695.5 MHz
	NR Band n77(DoD) 3 450 MHz ~ 3 550 MHz
Channel Bandwidths	NR Band n77 3 710 MHz ~ 3 969.99 MHz
	LTE Band 2 (PCS) 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 4 (AWS) 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 5 (Cell) 1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE Band 7 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 12 1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE Band 13 5 MHz, 10 MHz
	LTE Band 25 (PCS) 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 26 (Cell) 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz
	LTE TDD Band 41 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 66 (AWS) 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE Band 71 5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n2 (PCS) 5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n5 (Cell) 5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n25 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz
	NR Band n41 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 80 MHz, 90 MHz, 100 MHz
	NR Band n66(AWS) 5 MHz, 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz
	NR Band n71 5 MHz, 10 MHz, 15 MHz, 20 MHz
	NR Band n77 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz

Mode		Low	Mid	High
		Freq.(MHz) (Ch. No.)	Freq.(MHz) (Ch. No.)	Freq.(MHz) (Ch. No.)
LTE Band 2	1.4 MHz	1 850.7 (18607)	1 880.0 (18900)	1 909.3 (19193)
	3 MHz	1 851.5 (18615)	1 880.0 (18900)	1 908.5 (19185)
	5 MHz	1 852.5 (18625)	1 880.0 (18900)	1 907.5 (19175)
	10 MHz	1 855.0 (18650)	1 880.0 (18900)	1 905.0 (19150)
	15 MHz	1 857.5 (18675)	1 880.0 (18900)	1 902.5 (19125)
	20 MHz	1 860.0 (18700)	1 880.0 (18900)	1 900.0 (19100)
LTE Band 4	1.4 MHz	1 710.7 (19957)	1 732.5 (20175)	1 754.3 (20393)
	3 MHz	1 711.5 (19965)	1 732.5 (20175)	1 753.5 (20385)
	5 MHz	1 712.5 (19975)	1 732.5 (20175)	1 752.5 (20375)
	10 MHz	1 715.0 (20000)	1 732.5 (20175)	1 750.0 (20350)
	15 MHz	1 717.5 (20025)	1 732.5 (20175)	1 747.5 (20325)
	20 MHz	1 720.0 (20050)	1 732.5 (20175)	1 745.0 (20300)
LTE Band 5	1.4 MHz	824.7 (20407)	836.5 (20525)	848.3 (20643)
	3 MHz	825.5 (20415)	836.5 (20525)	847.5 (20635)
	5 MHz	826.5 (20425)	836.5 (20525)	846.5 (20625)
	10 MHz	829.0 (20450)	836.5 (20525)	844.0 (20600)
LTE Band 7	5 MHz	2502.5 (20775)	2535 (21100)	2567.5 (21425)
	10 MHz	2505 (20800)	2535 (21100)	2565 (21400)
	15 MHz	2507.5 (20825)	2535 (21100)	2562.5 (21375)
	20 MHz	2510 (20850)	2535 (21100)	2560 (21350)
LTE Band 12	1.4 MHz	699.7 (23017)	707.5 (23095)	715.3 (23173)
	3 MHz	700.5 (23025)	707.5 (23095)	714.5 (23165)
	5 MHz	701.5 (23035)	707.5 (23095)	713.5 (23155)
	10 MHz	704.0 (23060)	707.5 (23095)	711.0 (23130)
LTE Band 13	5 MHz	779.5 (23205)	782 (23230)	784.5 (23255)
	10 MHz		782 (23230)	
LTE Band 25	1.4 MHz	1 850.7 (26047)	1 882.5 (26365)	1 914.3 (26683)
	3 MHz	1 851.5 (26055)	1 882.5 (26365)	1 913.5 (26675)
	5 MHz	1 852.5 (26065)	1 882.5 (26365)	1 912.5 (26665)
	10 MHz	1 855 (26090)	1 882.5 (26365)	1 910 (26640)
	15 MHz	1 857.5 (26115)	1 882.5 (26365)	1 907.5 (26615)
	20 MHz	1 860 (26140)	1 882.5 (26365)	1 905 (26590)
LTE Band 26	1.4 MHz	814.7 (26697)	831.5 (26865)	848.3 (27033)
	3 MHz	815.5 (26705)	831.5 (26865)	847.5 (27025)
	5 MHz	816.5 (26715)	831.5 (26865)	846.5 (27015)
	10 MHz	819.0 (26740)	831.5 (26865)	844.0 (26990)
	15 MHz	821.5 (26765)	831.5 (26865)	841.5 (26965)

Mode		Low		Mid		High	
		Freq.(MHz) (Ch. No.)		Freq.(MHz) (Ch. No.)		Freq.(MHz) (Ch. No.)	
LTE Band 66 (AWS)	1.4 MHz	1 710.7 (131979)		1 745 (132322)		1 779.3 (132665)	
	3 MHz	1 711.5 (131987)		1 745 (132322)		1 778.5 (132657)	
	5 MHz	1 712.5 (131997)		1 745 (132322)		1 777.5 (132647)	
	10 MHz	1 715.0 (132022)		1 745 (132322)		1 775.0 (132622)	
	15 MHz	1 717.5 (132047)		1 745 (132322)		1 772.5 (132597)	
	20 MHz	1 720.0 (132072)		1 745 (132322)		1 770.0 (132572)	
LTE Band 71	5 MHz	665.5 (133147)		680.5(133297)		695.5 (133447)	
	10 MHz	668 (133172)		680.5 (133297)		693 (133422)	
	15 MHz	670.5(133197)		680.5 (133297)		690.5 (133397)	
	20 MHz	673 (133222)		680.5 (133297)		688 (133372)	
LTE TDD Band 41	5 MHz	2506.0(39750)	2549.5(40185)	2593.0(40620)	2636.5(41055)	2680.0(41490)	
	10 MHz	2506.0(39750)	2549.5(40185)	2593.0(40620)	2636.5(41055)	2680.0(41490)	
	15 MHz	2506.0(39750)	2549.5(40185)	2593.0(40620)	2636.5(41055)	2680.0(41490)	
	20 MHz	2506.0(39750)	2549.5(40185)	2593.0(40620)	2636.5(41055)	2680.0(41490)	

Item.	Description
UE Category	LTE Rel.16, UE DL Cat.20 UL Cat.18
HPUE Power Class	LTE TDD 41 Power Class 3 :(Duty: 63.3%) Power Class 2 : (Duty:43.3%)
Modulations Supported in UL	QPSK, 16QAM, 64QAM, 256QAM
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3	Yes
A-MPR disabled for SAR Testing.	Yes
LTE Carrier Aggregation	Intra-Band & Inter-band DL CA, Intra-Band UL CA, and LAA are supported. Wi-Fi offloading using LTE-U and LWA is not supported. The technical description includes all the possible carrier aggregation combinations.
LTE Release information	This device does not support full CA features on 3GPP Release 16 . It supports carrier aggregation, downlink MIMO, and LAA features. The following LTE Release 16 features are not supported Relay, HetNet, Enhanced MIMO, eICI, WiFi offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA.

Ch. No.& Freq.(MHz)		Low		Mid		High	
NR Band n2 (PCS)	5 MHz	1852.5 (370500)		1880 (376000)		1907.5 (381500)	
	10 MHz	1855 (371000)		1880 (376000)		1905 (381000)	
	15 MHz	1857.5 (371500)		1880 (376000)		1902.5 (380500)	
	20 MHz	1860 (372000)		1880 (376000)		1900 (380000)	
NR Band n5 (Cell)	5 MHz	826.5 (165300)		836.5 (167300)		846.5 (169300)	
	10 MHz			836.5 (167300)			
	15 MHz			836.5 (167300)			
	20 MHz			836.5 (167300)			
NR Band n25	5 MHz	1852.5(370500)		1882.5(376500)		1912.5(382500)	
	10 MHz	1855(371000)		1882.5(376500)		1910(382000)	
	15 MHz	1857.5(371500)		1882.5(376500)		1907.5(381500)	
	20 MHz	1860(372000)		1882.5(376500)		1905(381000)	
	25 MHz			1882.5(376500)			
	30 MHz			1882.5(376500)			
	40 MHz			1882.5(376500)			
NR Band n71	5 MHz	665.5 (133100)		680.5 (136100)		695.5 (139100)	
	10 MHz	668 (133600)		680.5 (136100)		693 (138600)	
	15 MHz			680.5 (136100)			
	20 MHz			680.5 (136100)			
NR Band n66 (AWS)	5 MHz	1712.5 (342500)		1745 (349000)		1777.5 (355500)	
	10 MHz	1715 (343000)		1745 (349000)		1775 (355000)	
	15 MHz	1717.5 (343500)		1745 (349000)		1772.5 (354500)	
	20 MHz	1720 (344000)		1745 (349000)		1770 (354000)	
	30 MHz			1745 (349000)			
	40 MHz			1745 (349000)			
NR Band 41	20 MHz	2506.02 (501204)	2549.49 (509898)	2592.99 (518598)	2636.49 (527298)	2679.99 (535998)	
	30 MHz	2511 (502200)	2552.01 (510402)	2592.99 (518598)	26347 (526800)	2674.98 (534996)	
	40 MHz	2516.01 (503202)	2567.34 (513468)		2618.67 (523734)	2670 (534000)	
	50 MHz	2521.02 (504204)		2592.99 (518598)		2664.99 (532998)	
	60 MHz	2526 (505200)		2592.99 (518598)		2659.98 (531996)	
	80 MHz	2536.02 (507204)				2649.99 (529998)	
	90 MHz	2541 (508200)				2644.98 (528996)	
	100 MHz			2592.99 (518598)			
NR Band n77	10 MHz	3705 (647000)	3759 (650600)	3813(654200)	3867 (657800)	3921 (661400)	3975 (665000)
	15 MHz	3707.52(647168)	3760.5(650700)	3813.49(654232)	3866.5(657766)	3919.5(661300)	3972.48(664832)
	20 MHz	3710.01(647334)	3762 (650800)	3813.99(654266)	3866.01 (657734)	3918 (661200)	3969.99 (664666)
	30 MHz	3715.02(647668)	3765 (651000)	3815.01(654334)	3864.99 (657666)	3915 (661000)	3964.98 (664232)
	40 MHz	3720 (648000)	3768 (651200)	3816 (654400)	3864 (657600)	3912 (660800)	3960 (664000)
	50 MHz	3725.01(648334)	3782.49 (652166)	3840 (656000)		3897.51 (659834)	3954.99 (663666)
	60 MHz	3730.02(648668)	3803.34(653556)			3876.66(658444)	3949.98 (663332)
	70 MHz	3735 (649000)	3804.99(654336)			3875.01(658334)	3945(663000)
	80 MHz	3740.01(649334)		3840 (656000)			3939.99 (662666)
	90 MHz	3745.02(649668)		3840 (656000)		3934.98 (662332)	
	100 MHz	3750 (650000)		3840 (656000)		3930 (662000)	



Ch. No.& Freq.(MHz)		Low	Mid	High
NR Band n77 (DoD)	10 MHz	3455.01 (630334)	3500.01 (633334)	3544.99 (630334)
	15 MHz	3457.5 (630500)	3500.01 (633334)	3542.5 (636166)
	20 MHz	3459.99 (630666)	3500.01 (633334)	3540 (636000)
	30 MHz	3459.99 (630666)	3500.01 (633334)	3540 (636000)
	40 MHz	3470.01 (631334)	3500.01 (633334)	3530.01 (635334)
	50 MHz	3474.99 (631666)		3525 (635000)
	60 MHz		3500.01 (633334)	
	70 MHz		3500.01 (633334)	
	80 MHz		3500.01 (633334)	
	90 MHz		3500.01 (633334)	
	100 MHz		3500.01 (633334)	

Item.	Description
NR Band n5/n2/n25/n66/n71 SCS	15 kHz
NR Band n41/n77 SCS	30 kHz
3GPP Rel.	Rel.16
A-MPR disabled for SAR Testing.	Yes
5G NR UL/DL FR1	CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM DFT-s-OFDM: $\pi/2$ -BPSK(UL Only), QPSK, 16QAM, 64QAM, 256QAM
Non-Standalone & Standalone are supported. More detailed specifications of the 5G NR bands are contained in the Technical description document.	
EN-DC Carrier Aggregation Possible Combinations	The technical description includes all the possible carrier aggregation combinations

4.5 SAR Test Configurations for DUT Antenna Locations

Antenna	Band	Device Configurations for SAR Testing				
		Rear	Top	Left	Right	Bottom
Main 1	WCDMA B5	YES	YES	YES	YES	NO
Main 1	WCDMA B4	YES	YES	YES	YES	NO
Main 1	WCDMA B2	YES	YES	YES	YES	NO
Main 1	LTE Band 2	YES	YES	YES	YES	NO
Main 1	LTE Band 4	YES	YES	YES	YES	NO
Main 1	LTE Band 5	YES	YES	YES	YES	NO
Main 1	LTE Band 7	YES	YES	YES	YES	NO
Main 1	LTE Band 12	YES	YES	YES	YES	NO
Main 1	LTE Band 13	YES	YES	YES	YES	NO
Main 1	LTE Band 25	YES	YES	YES	YES	NO
Main 1	LTE Band 26	YES	YES	YES	YES	NO
Main 1	LTE Band 41(PC2)	YES	YES	YES	YES	NO
Main 1	LTE Band 41(PC3)	YES	YES	YES	YES	NO
Main 1	LTE Band 66	YES	YES	YES	YES	NO
Main 1	LTE Band 71	YES	YES	YES	YES	NO
Main 1	NR 2	YES	YES	YES	YES	NO
Main 1	NR 5	YES	YES	YES	YES	NO
Main 1	NR 25	YES	YES	YES	YES	NO
Main 1	NR 41	YES	YES	YES	YES	NO
Main 1	NR 41(PC2)	YES	YES	YES	YES	NO
Main 1	NR 66	YES	YES	YES	YES	NO
Main 1	NR 71	YES	YES	YES	YES	NO
Main 3	NR 77	YES	YES	YES	YES	NO
Main 3	NR 77(PC2)	YES	YES	YES	YES	NO
sub1	LTE Band 2	YES	NO	YES	YES	YES
sub1	LTE Band 66	YES	NO	YES	YES	YES
sub1	LTE Band 7	YES	NO	YES	YES	YES
WLAN 1	2.4 GHz	YES	YES	YES	YES	NO
WLAN 1	5 /6 GHz	YES	YES	YES	YES	NO
WLAN 2	2.4 GHz	YES	YES	YES	YES	NO
WLAN 2	5 /6GHz	YES	YES	YES	YES	NO

Additional Test Scenarios

Test Configurations	SAR Required	Note
Left Corner	Yes	2.4 GHz / / 5 GHz/BT WLAN 2 Ant
Right Corner	Yes	2.4 GHz / / 5 GHz/BT WLAN Ant 1

Note; All test configurations are based on front view.

Per FCC KDB Publication 616217 D04v01r02, the rear surface and edges of tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D01v06 can be applied to determine SAR test exclusion for adjacent edge configurations. The closet distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

Since the Dedicated Host Approach is applied, the standalone SAR test exclusion procedure in KDB447498 4.3.1 is applied in conjunction with KDB 616217 D04v01r02 4.3 to determine the minimum test separation distance:

This device was tested considering the Rear/left/right/top/bottom side for simultaneous transmission analysis of multiple transmitter conditions. The bottom side of the upper antenna and the top surface of the lower antenna excluded according to KDB 6162717.

Top surface and bottom, excluding SAR test by FCC KDB 616217 D04v01r02, were analyzed by applying 0.4 w/kg according to FCC KDB 447498 D01v06 during simultaneous transmission analysis.

4.6 SAR Summation Scenario

According to FCC KDB 447498 D01v06, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds. Possible transmission paths for the EUT are shown below paths and are mode in same rectangle to indicate communication modes which share the same path. Modes which share the same transmission path cannot transmit simultaneously with one another.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB 447498 D01v06.

1	UMTS + Bluetooth ANT 2	Yes
2	UMTS + Bluetooth ANT 2 + WI-FI 6E MIMO	Yes
3	UMTS + Bluetooth ANT 2 + 5GHz WI-FI MIMO	Yes
4	UMTS + Bluetooth ANT1	Yes
5	UMTS + Bluetooth ANT 1 + WI-FI 6E MIMO	Yes
6	UMTS + Bluetooth ANT 1 + 5GHz WI-FI MIMO	Yes
7	UMTS + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2	Yes
8	UMTS + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 RSDB + 5GHz WI-FI MIMO RSDB	Yes
9	UMTS + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 RSDB + WI-FI 6E MIMO RSDB	Yes
10	UMTS + 2.4 WI-FI MIMO	Yes
11	UMTS + 2.4 WI-FI MIMO + WI-FI 6E MIMO	Yes
12	UMTS + 2.4 WI-FI MIMO + 5GHz WI-FI MIMO	Yes
13	UMTS + 5GHz WI-FI MIMO	Yes
14	UMTS + WI-FI 6E MIMO	Yes
15	LTE + 5G NR	Yes
16	LTE + Bluetooth ANT 2	Yes
17	LTE + Bluetooth ANT 2 +5G NR	Yes
18	LTE + Bluetooth ANT 2 + WI-FI 6E MIMO	Yes
19	LTE + Bluetooth ANT 2 + WI-FI 6E MIMO + 5G NR	Yes
20	LTE + Bluetooth ANT 2 + 5GHz WI-FI MIMO	Yes
21	LTE + Bluetooth ANT 2 + 5GHz WI-FI MIMO + 5G NR	Yes
22	LTE + Bluetooth ANT1	Yes
23	LTE + Bluetooth ANT1 + 5G NR	Yes
24	LTE + Bluetooth ANT 1 + WI-FI 6E MIMO	Yes
25	LTE + Bluetooth ANT 1 + WI-FI 6E MIMO + 5G NR	Yes
26	LTE + Bluetooth ANT 1 + 5GHz WI-FI MIMO	Yes
27	LTE + Bluetooth ANT 1 + 5GHz WI-FI MIMO + 5G NR	Yes
28	LTE + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2	Yes
29	LTE + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + 5G NR	Yes
30	LTE + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO	Yes
31	LTE + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO + 5G NR	Yes
32	LTE + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + WI-FI 6E MIMO	Yes
33	LTE + Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + WI-FI 6E MIMO + 5G NR	Yes
34	LTE + 2.4 WI-FI MIMO	Yes
35	LTE + 2.4 WI-FI MIMO + 5G NR	Yes
36	LTE + 2.4 WI-FI MIMO + WI-FI 6E MIMO	Yes
37	LTE + 2.4 WI-FI MIMO + WI-FI 6E MIMO + 5G NR	Yes
38	LTE + 2.4 WI-FI MIMO + 5GHz WI-FI MIMO	Yes
39	LTE + 2.4 WI-FI MIMO + 5GHz WI-FI MIMO + 5G NR	Yes
40	LTE + 5GHz WI-FI MIMO	Yes
41	LTE + 5GHz WI-FI MIMO + 5G NR	Yes

42	LTE + WI-FI 6E MIMO	Yes
43	LTE + WI-FI 6E MIMO + 5G NR	Yes
44	Bluetooth ANT 2 + 5G NR	Yes
45	Bluetooth ANT 2 + WI-FI 6E MIMO + 5G NR	Yes
46	Bluetooth ANT 2 + 5GHz WI-FI MIMO + 5G NR	Yes
47	Bluetooth ANT1 + 5G NR	Yes
48	Bluetooth ANT 1 + WI-FI 6E MIMO + 5G NR	Yes
49	Bluetooth ANT 1 + 5GHz WI-FI MIMO + 5G NR	Yes
50	Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + 5G NR	Yes
51	Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + 5GHz WI-FI MIMO + 5G NR	Yes
52	Bluetooth ANT 1 + 2.4GHz WI-FI Ant 2 + WI-FI 6E MIMO + 5G NR	Yes
53	2.4 WI-FI MIMO + 5G NR	Yes
54	2.4 WI-FI MIMO + WI-FI 6E MIMO + 5G NR	Yes
55	2.4 WI-FI MIMO + 5GHz WI-FI MIMO + 5G NR	Yes
56	5GHz WI-FI MIMO + 5G NR	Yes
57	WI-FI 6E MIMO + 5G NR	Yes

Note:

- 2.4GHz bluetooth ANT1 and 2.4GHz Bluetooth ANT 2 cannot transmit simultaneously
- The device does not support licensed bands simultaneously transmitting.
- UMTS +WLAN scenario also represents the UMTS Voice/DATA + WLAN hotspot scenario.
- The highest reported SAR for each exposure condition is used for SAR summation purpose.
- This device supports Bluetooth tethering...
- This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax. 802.11a/g/n/ac/ax supports CDD and STBC and 802.11n/ac/ax additionally supports SDM. Each WLAN antenna can transmit independently or together when operating with MIMO.
- LTE + 5G NR FR2 n260 and n261 operations are possible only EN-DC mode only
- 5G NR FR1 and 5G NR FR 2 cannot transmit simultaneously
- Only MIMO operations are supported in 2.4 GHz WLAN mode, except for SISO modes that is simultaneously transmitted with 2.4 GHz WAN 2 Ant and Bluetooth 1 Ant.
- The 5 GHz/6 GHz WLAN mode are supported only by the MIMO mode operation.

4.8 SAR Test Considerations

4.8.1 Un-Licensed Transmitter(s)

Since U-NII-1 and U-NII-2A bands have the same maximum output power and the highest reported SAR for U-NII-2A is less than 1.2 W/kg for 1g SAR and is less than 3.0 W/kg for 10g SAR, SAR is not required for U-NII-1 band according to FCC KDB 248227D01v02r02.

This device supports IEEE 802.11ax with the following features:

- a) Up to 160 MHz Bandwidth only for 5/6 GHz
- b) Up to 20 MHz Bandwidth only for 2.4 GHz
- c) No aggregate channel configurations
- d) 2 Tx antenna output
- e) Up to 1024 QAM is supported
- f) TDWR and Band gap channels are supported for 5/6 GHz
- g) MU-MIMO UL Operations are not supported

Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax when applying the initial test configuration procedures of KDB 248227, with 802.11ax considered a higher order 802.11 mode.

4.8.2 Licensed Transmitter(s)

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

Per FCC KDB 941225 D01v03r01, 12.2 kbps RMC is the primary mode and HSPA (HSUPA/HSDPA with RMC) is the secondary mode.

Per FCC KDB 941225 D01v03r01, The SAR test exclusion is applied to the secondary mode by the following equation.

$$\text{Adjusted SAR} = \text{Highest Reported SAR} * \frac{\text{Secondary Max tune - up (mW)}}{\text{Primary Max tune - up (mW)}} \leq 1.2 \text{ W/kg.}$$

Based on the highest Reported SAR, the secondary mode is not required.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r05.

This device supports LTE Carrier Aggregation (CA) in the downlink Per FCC KDB publication 941225 D05A v01r02, SAR for LTE DL CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.

This device supports downlink 4x4 MIMO operations for some LTE bands. Per Ma 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum output power with 4x4 DL MIMO inactive.

Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

This Device supports 64QAM and 256QAM on the uplink and 256QAM on the downlink for LTE Operations. Conducted powers for 64QAM and 256QAM uplink configurations were measured per section 5.1 of FCC KDB 941225 D05v02r05. SAR was not required for 64QAM and 256QAM since the highest maximum output power for 64QAM and 256QAM is ≤ 0.5 dB higher than the same configuration in QPSK and the reported SAR for QPSK configuration is ≤ 1.45 W/Kg, per section 5.2.4 of FCC KDB 941225 D05v02r05.

This device supports LTE/NR capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE Band falls completely within an LTE/NR band with a larger transmission frequency range, both. LTE Bands have the same target power and both LTE bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

LTE Band 4 (1 710.7 MHz ~ 1 754.3 MHz) is covered by LTE Band 66 (1 710.7 MHz ~ 1 779.3 MHz),

LTE Band 2 (1 850.7 MHz ~ 1 909.3 MHz) is covered by LTE Band 25 (1850.7 MHz ~ 1914.3 MHz)

LTE Band 5 (824.7 MHz ~ 848.3 MHz) is covered by LTE Band 26 (814.7 MHz ~ 848.3 MHz) only for max power condition

NR band n2(1 852.5 MHz ~ 1 907.5 MHz) is covered by NR band n25(1852.5 MHz ~ 1912.5 MHz)

This device supports both Power class 2(PC2) and Power class 3(PC3) for LTE Band 41. Per May 2017 TCB Workshop Notes, SAR tests were performed with Power class 3. Additionally, SAR testing for the power class 2 condition was evaluated for the highest configuration in power class 3 for each test configuration to confirm the results were scaleable linearly.

When Power reduction is applied for LTE Band 41 PC2, became the same power level as PC3.

This device supports LTE Carrier Aggregation (CA) for LTE Band 5, LTE Band 66 and LTE Band 41 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device supports 5G NR for Bands n260, and n261. RF Exposure assessment and simultaneous transmission analysis for these bands can be found in SM-X808U_Part 1 Power Density Test Report..

Per FCC KDB 690783 1 D01 SAR Listings on Grants v01r03 and KDB 447498 D01 General RF Exposure Guidance v06 The SAR numbers listed must be consistent with the highest reported test results required by the published RF exposure KDB procedures. When the measured SAR is not at the maximum tune-up tolerance limit or maximum output power allowed for production units, the measured results are scaled to the maximum conditions to determine compliance; the scaled results are referred to as the reported SAR.

The Reported SAR = The Measured SAR * $\frac{\text{Maximum tune-up (mW)}}{\text{Measured Conducted Power(mW)}}$

FCC KDB 447498 D01v06 General RF Exposure Guidance introduces a new formula for calculating the SAR a Peak Location Separation Ratio(SPLSR) between pairs of simultaneously transmitting antennas:

$$SPLSR_i = (SAR_1 + SAR_2)^{1.5} / R_i$$

Where:

SAR_1 is the highest measured or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

SAR_2 is the highest measured 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 $[(X_1 - X_2)^2 + (Y_1 - Y_2)^2 + (Z_1 - Z_2)^2]$

In order for a pair of simultaneous transmitting antennas with the sum 1-g of SAR > 1.6 W/kg and with the sum 10-g of SAR > 4W/Kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$$(SAR_1 + SAR_2)^{1.5} / R_i \leq 0.04 \text{ for 1g SAR and } (SAR_1 + SAR_2)^{1.5} / R_i \leq 0.1 \text{ for 10g SAR.}$$

5. Introduction

The FCC has adopted the guidelines for evaluating the environmental effects of radio frequency radiation in ET Docket 93-62 on Aug. 6, 1996 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices.

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz. 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York 10017. The measurement procedure described in IEEE/ANSI C95.3-1992 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave is used for guidance in measuring SAR due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields," NCRP Report No. 86 NCRP, 1986, Bethesda, MD 20814. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

SAR Definition

Specific Absorption Rate (SAR) is defined as the time derivative of the incremental electromagnetic energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (r). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body.

$$SAR = \frac{d}{dt} \left(\frac{dU}{dm} \right)$$

Figure 1. SAR Mathematical Equation
SAR is expressed in units of Watts per Kilogram (W/kg)

Where:

- = conductivity of the tissue-simulant material (S/m)
- = mass density of the tissue-simulant material (kg/m³)
- = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relations to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.

6. Description of test equipment

6.1 SAR MEASUREMENT SETUP

These measurements are performed using the DASY4 automated dosimetric assessment system. It is made by Schmid & Partner Engineering AG (SPEAG) in Zurich, Switzerland. It consists of high precision robotics system (Staubli), robot controller, Pentium III computer, near-field probe, probe alignment sensor, and the generic twin phantom containing the brain equivalent material. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF) (see Figure.2).

A cell controller system contains the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. The PC with Windows XP or Windows 7 is working with SAR Measurement system DASY4 & DASY5, A/D interface card, monitor, mouse, and keyboard. The Staubli Robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE) circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card.

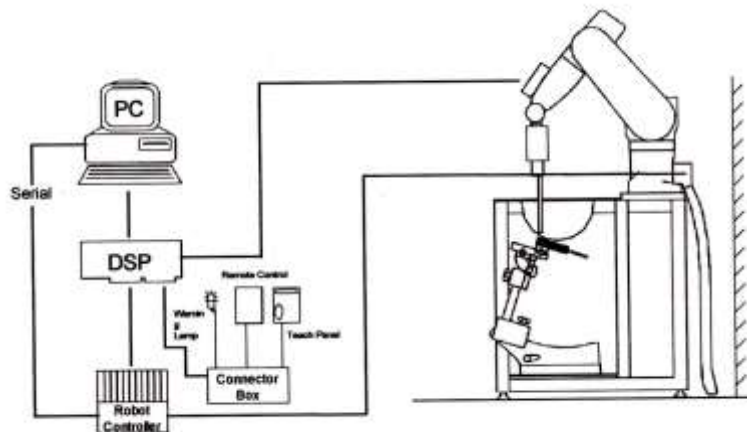


Figure 2. HCT SAR Lab. Test Measurement Set-up

The DAE consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer. The system is described in detail in.

7. SAR Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013.

1. The SAR distribution at the exposed side of the head or body was measured at a distance no more than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the DUT's head and body area and the horizontal grid resolution was depending on the FCC KDB 865664 D01v01r04 table 4-1 & IEEE 1528-2013.
2. Based on step, the area of the maximum absorption was determined by sophisticated interpolations routines implemented in DASY software. When an Area Scan has measured all reachable point. DASY system computes the field maximal found in the scanned area, within a range of the maximum. SAR at this fixed point was measured and used as a reference value.
3. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB 865664 D01v01r04 table 4-1 and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (reference from the DASY manual.)
 - a. The data at the surface were extrapolated, since the center of the dipoles is no more than 2.7 mm away from the tip of the probe (it is different from the probe type) and the distance between the surface and the lowest measuring point is 1.2 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.
 - b. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed using the 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the "Not a knot" condition (in x, y, and z directions. The volume was integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the average.
 - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan. If the value changed by more than 5 %, the SAR evaluation and drift measurements were repeated.

Area scan and zoom scan resolution setting follow KDB 865664 D01v01r04 quoted below.

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

8. Description of Test Position

8.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity ϵ and loss tangent $\delta=0.02$.

8.2 SAR Testing for Tablet Per KDB Publication 616217 D04v01r02

Per FCC KDB Publication 616217 D04v01r02, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D01v06 can be applied to determine SAR test exclusion for adjacent edge configuration. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

8.3 Proximity Sensor Considerations.

This device uses a sensor to reduce output powers in certain use conditions when the device is used close the user's body.

When the sensor detects a user is touching the device on or near to the antenna the device reduces the maximum allowed output power. However, the proximity sensor is not active when the device is moved beyond the sensor triggering distance and the maximum output power is no longer limited. Therefore, an additional exposure condition is needed in the vicinity of the triggering distance to ensure SAR is compliant when the device is allowed to operate at a non-reduced output power level.

FCC KDB 616217 D04 Section 8 and additional FCC guidance were used as a guideline for selecting SAR test distances for this device at these additional exposure conditions. The smallest separation distance determined by the sensor triggering and sensor coverage for each applicable edge, minus 1 mm. was used as the test separation distance for SAR testing. Sensor triggering distance evaluation is provided in a separate document.

The required separation distance to evaluate SAR at full powers were:

Wireless technologies	Position	§6.2 Triggering Distance [mm]	§6.3 Coverage	§6.4 Tilt Angle	Worst case distance for Body SAR [mm]
Main Ant 1	Rear	22	N/A	N/A	21
	Right	8	N/A	N/A	7
	Right Corner	9	N/A	N/A	8
	Top	21	N/A	N/A	20
Main Ant 3	Rear	10.5	N/A	N/A	9.5
	Right	8	N/A	N/A	7
	Right Corner	9	N/A	N/A	8
	Top	13	N/A	N/A	12
WLAN /BT Ant 1	Rear	20	N/A	N/A	19
	Right	8	N/A	N/A	7
	Right Corner	9	N/A	N/A	8
	Top	24	N/A	N/A	23
WLAN /BT Ant 2	Rear	18	N/A	N/A	17
	Left	8	N/A	N/A	7
	Left Corner	9	N/A	N/A	8
	Top	21	N/A	N/A	20
Sub Ant 1	Rear	18	N/A	N/A	17
	Bottom	24	N/A	N/A	23
	Right	8	N/A	N/A	7

9. RF Exposure Limits

HUMAN EXPOSURE	UNCONTROLLED ENVIRONMENT General Population (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT Occupational (W/kg) or (mW/g)
SPATIAL PEAK SAR * (Partial Body)	1.6	8.0
SPATIAL AVERAGE SAR ** (Whole Body)	0.08	0.4
SPATIAL PEAK SAR *** (Hands / Feet / Ankle / Wrist)	4.0	20.0

NOTES:

* The Spatial Peak value of the SAR averaged over any 1 g of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

** The Spatial Average value of the SAR averaged over the whole-body.

*** The Spatial Peak value of the SAR averaged over any 10 g of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

10. FCC SAR General Measurement Procedures

Power Measurements for licensed transmitters are performed using a base simulator under digital average power.

10.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D01v06, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as Reported SAR. The highest reported SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

10.2 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB 941225 D01v03r01-3G SAR Measurement Procedures. The handset was placed into a simulated call using a base station simulator in a shielded chamber. Such test signals offer a consistent means for testing SAR and are recommended for evaluation SAR measurements were taken with a fully charged battery. In order to verify that the device was tested and maintained at full power, this was configured with the base station simulator. The SAR measurement Software calculates a reference point at the start and end of the test to Check for power drifts. If conducted Power deviations of more than 5 % occurred, the tests were repeated.

10.3 SAR Measurement Conditions for UMTS

10.3.1 Output Power Verification

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in sec. 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all "1s" or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCCH, DPDCHn and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

10.3.2 Body SAR measurements

SAR for body exposure configurations is measured using the 12.2kbps RMC with the TPC bits all "1s". the 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using and applicable RMC configuration with the corresponding spreading code or DPDCHn, for the highest reported SAR configuration in 12.2kbps RMC.

10.3.3 SAR Measurements with Rel. 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using and FRC with H-SET 1 in Sub-test and a 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to release 6 HSPA test procedures. 8.4.5 SAR Measurement with Rel.6 HSUPA The 3G SAR test Reduction Procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, Using H-Set 1 and QPSK for FRC and a 12.2kbps RMC configured in Test Loop Mode 1 and Power Control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing.

10.3.4 SAR Measurements with Rel. 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

10.3.5 DC-HSDPA

SAR is required for Rel.8 DC-HSDPA when SAR is required for Rel.5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in table C.8.1.12 of 3GPP TS34.121-1 to determine SAR test reduction. Primary and secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

DC-HSDPA Configurations

- ◆ 3GPP specification TS 34.121-1 Release 8. was used for used for DC-HSDPA guidance.
- ◆ H-set 12(QPSK)was conformed to be used during DC-HSDPA measurements.



10.4 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r05 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluation SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

10.4.1 Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

10.4.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36. 101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

10.4.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

10.4.4 Required RB Size and RB offsets for SAR testing

According to FCC KDB 941225 D05v02r05

- a. Per sec 4.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
 - i. The required channel and offset combination with the highest maximum output power is required for SAR.
 - ii. When the reported SAR is ≤ 0.8 W/Kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
 - iii. When the reported SAR for a required test channel is > 1.45 W/kg, SAR is required for all RB offset configurations for that channel.
- b. Per Sec 4.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Sec 4.2.1.
- c. Per Sec. 4.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is < 0.8 W/kg.
- d. Per Sec. 4.2.4 and 4.3, SAR test for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sec. 4.2.1 through 4.2.3 is less than or equal to 1/2 dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is < 1.45 W/Kg.

10.4.5 Downlink Carrier Aggregation

Conducted power measurements with LTE Carrier aggregation (CA) downlink only active are made in accordance to KDB publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. For every supported combination of downlink only carrier aggregation, additional conducted output Powers are measured with downlink carrier aggregation active for the configuration with highest measured maximum conducted power with the downlink carrier aggregation inactive measured among the channel bandwidth, modulation and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the

average output power with downlink only carrier aggregation active is not more than 0.25dB higher than the average output power with downlink only carrier aggregation inactive.

10.4.6 LTE Uplink Carrier Aggregation SAR Measurement Procedure

This device is specified with the same maximum output power and Tune-up tolerances for intra-band contiguous up-link LTE CA_41C, LTE CA_66C, LTE CA_66B and LTE CA_5B.

Per Fall 2017 TCB Workshop Notes, the output Power with uplink CA active was measured for the configuration with the Highest Reported SAR with standalone condition.

10.4.7 LTE(TDD) Considerations

According to KDB 941225 D05v02r05, for Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33 %) using Uplink-downlink configuration 0 and Special subframe configuration 6. LTE TDD Band 41 supports 3GPP TS 36.211 section 4.2 for Type 2 Frame and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special sub frame configurations.

According to KDB 941225 D05v02r05, for Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33 %) using Uplink-downlink configuration 0 and Special subframe configuration 6. LTE TDD Band 41 supports 3GPP TS 36.211 section 4.2 for Type 2 Frame and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special sub frame configurations.

Table 4.2-1: 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	$13168 \cdot T_s$			-	-	-

Calculated Duty Cycle – Extended cyclic prefix in uplink $\times (T_s) \times$ no of S + no of U

Table 4.2-2: 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

Example for calculated Duty Cycle for Uplink-Downlink Configuration 0:

Calculated Duty Cycle = $(5120 \times (1/(15000 \times 2048))) \times 2 + 0.006/0.01 = 63.33 \%$

Where

$T_s = 1/(15000 \times 2048)$ seconds

HPUE :

Calculated Duty Cycle for Uplink-Downlink Configuration 1:

Calculated Duty Cycle = $5120 \times (1/(15000 \times 2048)) \times 2 + 0.004/0.01 = 43.33 \%$

10.4.8 The Call Box Setup for LTE(TDD)

When you Want to Test for LTE TDD, Please Change Frame Structure TDD and TDD Uplink Downlink Configuration 0 and Special Subframe Configuration 6.

2018/01/08 11:00 Idle(Regist) Phone-2 W-CDMA Phone-1 LTE
<Fundamental Measurement> Output Main Continuous

Parameter	Fundamental	UE Report
Reference Signal not found		
Power Measurement (Meas. Count : 11/ 20)		
	Avg.	Max.
TX Power	*****	*****
Channel Power	*****	*****
Modulation Analysis View (Meas. Count : 1/ 1)		
Common Parameter		
Test Parameter	TX1 - Max. Power(QPSK/1 RB)	
Call Processing	On Scenario Normal	
Frequency	TDD	
Channel Bandwidth	FDD Hz	
UL Channel & Frequency	TDD 20	CH = 2593.000000 MHz
DL Channel & Frequency	40620	CH = 2593.000000 MHz
Operation Band	41	
Frequency Separation	(0)MHz	
Level	30.0 dBm	

1 2 3 4

2018/01/08 11:01 Idle(Regist) Phone-2 W-CDMA Phone-1 LTE
<Fundamental Measurement> Output Main Continuous

Parameter	Fundamental	UE Report
Reference Signal not found		
Power Measurement (Meas. Count : 11/ 20)		
	Avg.	Max.
TX Power	*****	*****
Channel Power	*****	*****
Modulation Analysis View (Meas. Count : 1/ 1)		
MCS Index (-)	5 (QPSK)	(5) (2216) - -
MCS Index (5)	5 (QPSK)	(5) (1884) 4 -
MCS Index (0)	5 (QPSK)	(5) (2216) - 2
MCS Index (1,6)	N/A (-----)	(-- (-----) - 2
CFI	3	
TDD	subframe 0 1 2 3 4 5 6 7 8 9	
Uplink Downlink Configuration	0 : (5ms) D S U U U D S U U U	
Special Subframe Configuration	6	
Physical Channel Parameter		
PSS Power	0.0	dB
SSS Power	0.0	dB
PBCH Power	0.0	dB
PCFICH Power	0.0	dB
PHICH Power	0.0	dB

1 2 3 4

10.5 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. 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 the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

10.5.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in 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.

A periodic duty factor is required for current generation SAR system to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92-96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

10.5.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII-2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is > 1.2 W/kg for 1g SAR or > 3.0 W/kg for 10g SAR. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is > 1.2 W/kg for 1g SAR or > 3.0 W/kg for 10g SAR.

10.5.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 GHz – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 GHz – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification.

Unless band gap channels are permanently disabled, SAR must be considered for these channels.

10.5.4 Initial Test Position Procedure

For exposure conditions with multiple test positions, such as handset operating next to the ear, devices with hotspot mode or UMPC mini-tablet, procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all positions in an exposure condition. The test position with the highest extrapolated (peak) SAR is used as the initial test position. When reported SAR for the initial test position is ≤ 0.4 W/kg for 1g SAR and ≤ 1.0 W/kg for 10g SAR, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg for 1g SAR and ≤ 2.0 W/kg for 10g SAR or all test positions are measured.

10.5.5 2.4 GHz SAR test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS is that exposure configuration.
- 2) When the reported SAR is > 0.8 W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

2.4 GHz 802.11 g/n/ax OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is > 1.2 W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed.

10.5.6 OFDM Transmission Mode and SAR Test Channel Selection

For the 2.4 GHz and 5 GHz bands, when the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate and lowest order 802.11 a/g/n/ac mode. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11 ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. Per April 2019 TCB Workshop guidance 802.11ax was considered the highest order 802.11 mode. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

10.5.7 Initial Test Configuration Procedure

For OFDM, in both 2.4 GHz and 5 GHz bands, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, and lowest data rate. If the average RF output powers of the highest identical transmission modes are within 0.25 dB of each other, mid channel of the transmission mode with highest average RF output power is the initial test channel. Otherwise, the channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is ≤ 0.8 W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is 1.2 W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements.

10.5.8 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position on procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is ≤ 1.2 W/kg for 1g SAR and ≤ 3.0 W/kg for 10g SAR, no additional SAR tests for the subsequent test configurations are required.

10.5.9 MIMO SAR Considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB publication 447498D01v06 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is <1.6 W/kg, no additional SAR Measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

11. Output Power Specifications

This device operates using the following maximum output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB publication 447498 D01v06.

Licensed bands

Test Description	Test Procedure Used
Conducted Output Power	- KDB 971168 D01 v03r01 - Section 5.2.4 - ANSI C63.26-2015 - Section 5.2.1 & 5.2.4.2

Test Overview

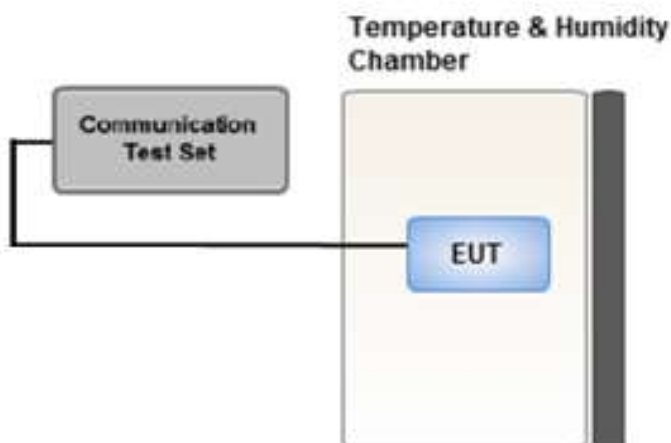
According to ANSI C63.26-2015 Section 5.2.1 when measuring the maximum RF output power from such devices, control over the EUT must be provided either through special test software (provided by manufacturer specifically for compliance testing, but not accessible by an end user) or through use of a base station emulator, communications test set, call box, or similar instrumentation that is capable of establishing a communications link with the EUT to enable control over variable parameters (e.g., output power, OBW, etc.).

In some cases, these instruments also include basic digital spectrum analyzer and/or power meter capabilities that can be utilized to measure the RF output power if the specified detectors and requirements can be realized and the measurement functions have been calibrated.

Test Procedure

1. The RF port of the EUT was connected to the Communication Tester via an RF cable.
2. Conducted average power was measured using a calibrated Radio Communication Tester.

Test setup



11.3 UMTS

HSPA+

This DUT is only capable of QPSK HSPA+ in uplink. Therefore, the RF conducted power is not measured according to 941225 D01v03r01 3G SAR.

11.3.1 UMTS Maximum Conducted Output Power

UMTS Band 5 Maximum Conducted Output Power

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 5 [dBm]			3GPP MPR
		Subtest	UL 4132 DL 4357	UL 4183 DL 4408	UL 4233 DL 4458	
99	UMTS	12.2 kbps RMC	23.39	23.78	24.04	-
5	HSDPA	Subtest 1	22.24	22.66	22.97	0
5		Subtest 2	22.22	22.59	22.87	0
5		Subtest 3	21.76	22.44	22.46	0.5
5		Subtest 4	21.66	22.04	22.36	0.5
6	HSUPA	Subtest 1	22.20	22.53	22.53	0
6		Subtest 2	20.14	20.51	20.83	2
6		Subtest 3	21.15	21.50	21.81	1
6		Subtest 4	20.15	20.51	20.81	2
6		Subtest 5	22.12	22.49	22.80	0
8	DC-HSDPA	Subtest 1	22.35	22.40	22.72	0
8		Subtest 2	22.34	22.45	22.72	0
8		Subtest 3	21.82	21.94	22.21	0.5
8		Subtest 4	21.81	21.94	22.22	0.5

UMTS Average Conducted output powers

UMTS Band 4 Maximum Conducted Output Power

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 4 [dBm]			3GPP MPR
		Subtest	UL 1312 DL 1537	UL 1412 DL 1637	UL 1513 DL 1738	
99	UMTS	12.2 kbps RMC	23.35	23.32	23.46	-
5	HSDPA	Subtest 1	21.28	22.20	22.35	0
5		Subtest 2	21.75	22.18	22.34	0
5		Subtest 3	20.95	21.69	21.86	0.5
5		Subtest 4	20.93	21.65	21.82	0.5
6	HSUPA	Subtest 1	22.55	22.53	22.51	0
6		Subtest 2	20.40	20.15	20.35	2
6		Subtest 3	21.30	21.18	21.35	1
6		Subtest 4	20.31	20.18	20.34	2
6		Subtest 5	22.32	22.16	22.32	0
8	DC-HSDPA	Subtest 1	21.34	22.24	22.41	0
8		Subtest 2	21.32	22.22	22.41	0
8		Subtest 3	20.92	21.73	21.90	0.5
8		Subtest 4	20.92	21.73	21.90	0.5

UMTS Average Conducted output powers

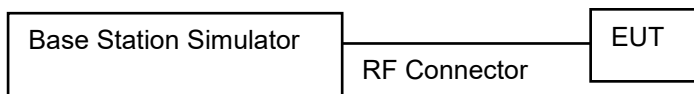
UMTS Band 2 Maximum Conducted Output Power

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL 9262 DL 9662	UL 9400 DL 9800	UL 9538 DL 9938	
99	UMTS	12.2 kbps RMC	23.67	24.01	23.73	-
5	HSDPA	Subtest 1	22.57	22.95	22.69	0
5		Subtest 2	22.55	22.92	22.69	0
5		Subtest 3	22.04	22.42	22.34	0.5
5		Subtest 4	22.02	22.40	22.21	0.5
6	HSUPA	Subtest 1	22.54	22.95	22.70	0
6		Subtest 2	20.54	20.93	20.70	2
6		Subtest 3	21.51	21.95	21.70	1
6		Subtest 4	20.53	20.93	20.68	2
6		Subtest 5	22.51	22.93	22.68	0
8	DC-HSDPA	Subtest 1	22.52	23.04	22.80	0
8		Subtest 2	22.52	23.02	22.78	0
8		Subtest 3	22.03	22.53	22.28	0.5
8		Subtest 4	22.02	22.54	22.27	0.5

UMTS Average Conducted output powers

DC-HSDPA Configurations

- ◆ 3GPP specification TS 34.121-1 Release 8. was used for used for DC-HSDPA guidance.
- ◆ H-set 12(QPSK)was conformed to be used during DC-HSDPA measurements.



11.3.2 UMTS Reduced Conducted Output Power – Proximity Sensor activated

UMTS Band 5

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 5 [dBm]			3GPP MPR
		Subtest	UL 4132 DL 4357	UL 4183 DL 4408	UL 4233 DL 4458	
99	UMTS	12.2 kbps RMC	15.77	16.12	16.42	-
5	HSDPA	Subtest 1	14.63	14.96	15.22	0
5		Subtest 2	14.63	14.95	15.26	0
5		Subtest 3	14.15	14.46	14.79	0.5
5		Subtest 4	14.11	14.40	14.75	0.5
6	HSUPA	Subtest 1	14.62	14.95	15.26	0
6		Subtest 2	12.62	12.94	13.28	2
6		Subtest 3	13.64	13.95	14.28	1
6		Subtest 4	12.64	12.97	13.30	2
6		Subtest 5	14.64	14.95	15.28	0
8	DC-HSDPA	Subtest 1	14.57	14.88	15.13	0
8		Subtest 2	14.57	14.89	15.14	0
8		Subtest 3	14.07	14.39	14.60	0.5
8		Subtest 4	14.06	14.39	14.65	0.5

UMTS Average Conducted output powers

UMTS Band 4

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 4 [dBm]			3GPP MPR
		Subtest	UL 1312 DL 1537	UL 1412 DL 1637	UL 1513 DL 1738	
99	UMTS	12.2 kbps RMC	13.74	13.20	13.36	-
5	HSDPA	Subtest 1	12.63	12.06	12.23	0
5		Subtest 2	12.65	12.06	12.22	0
5		Subtest 3	12.16	11.58	11.74	0.5
5		Subtest 4	12.16	11.56	11.72	0.5
6	HSUPA	Subtest 1	12.66	12.05	12.21	0
6		Subtest 2	10.65	10.05	10.23	2
6		Subtest 3	11.63	11.03	11.23	1
6		Subtest 4	10.66	10.04	10.23	2
6		Subtest 5	12.64	12.04	12.20	0
8	DC-HSDPA	Subtest 1	11.96	11.75	11.93	0
8		Subtest 2	11.97	11.73	11.94	0
8		Subtest 3	11.44	11.24	11.43	0.5
8		Subtest 4	11.46	11.23	11.43	0.5

UMTS Average Conducted output powers

UMTS Band 2

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL 9262 DL 9662	UL 9400 DL 9800	UL 9538 DL 9938	
99	UMTS	12.2 kbps RMC	13.54	13.93	13.68	-
5	HSDPA	Subtest 1	12.45	12.87	12.63	0
5		Subtest 2	12.46	12.86	12.63	0
5		Subtest 3	11.96	12.37	12.13	0.5
5		Subtest 4	11.97	12.35	12.10	0.5
6	HSUPA	Subtest 1	12.44	12.86	12.62	0
6		Subtest 2	10.44	10.86	10.61	2
6		Subtest 3	11.44	11.86	11.63	1
6		Subtest 4	10.44	10.86	10.60	2
6		Subtest 5	12.43	12.85	12.61	0
8	DC-HSDPA	Subtest 1	11.95	12.31	11.89	0
8		Subtest 2	11.98	12.33	11.89	0
8		Subtest 3	11.39	12.07	11.40	0.5
8		Subtest 4	11.40	12.09	11.41	0.5

UMTS Average Conducted output powers

DC-HSDPA Configurations

- ◆ 3GPP specification TS 34.121-1 Release 8. was used for used for DC-HSDPA guidance.
- ◆ H-set 12(QPSK)was conformed to be used during DC-HSDPA measurements.



11.4 LTE Maximum Output Power

LTE B4/5/12/13/26/71 at 10 MHz/15 MHz/ 20 MHz Bandwidth does not support three non-overlapping channels. Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the mid channel of the group of overlapping channels should be selected for testing.

11.4.1 LTE Maximum Conducted Power

[LTE Band 2 Conducted Power DSI=0] [Main Ant1]

LTE Band 2 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	24.18	24.34	24.21	0	0
		1	3	24.14	24.45	24.15	0	0
		1	5	24.12	24.43	24.14	0	0
		3	0	24.17	24.53	24.22	0	0
		3	1	24.18	24.51	24.22	0	0
		3	3	24.08	24.49	24.16	0	0
		6	0	23.13	23.34	23.22	0-1	1
	16QAM	1	0	23.30	23.54	23.40	0-1	1
		1	3	23.45	23.74	23.33	0-1	1
		1	5	23.27	23.52	23.26	0-1	1
		3	0	23.22	23.57	23.35	0-1	1
		3	1	23.27	23.58	23.20	0-1	1
		3	3	23.25	23.51	23.38	0-1	1
		6	0	22.25	22.31	22.21	0-2	2
	64QAM	1	0	22.35	22.37	22.29	0-2	2
		1	3	22.17	22.50	22.26	0-2	2
		1	5	22.29	22.45	22.28	0-2	2
		3	0	22.23	22.44	22.24	0-2	2
		3	1	22.19	22.53	22.25	0-2	2
		3	3	22.15	22.60	22.32	0-2	2
		6	0	21.14	21.33	21.24	0-3	3
	256QAM	1	0	19.22	19.50	19.33	0-5	5
		1	3	19.22	19.44	19.34	0-5	5
		1	5	19.24	19.51	19.27	0-5	5
		3	0	19.14	19.34	19.36	0-5	5
		3	1	19.16	19.39	19.16	0-5	5
		3	3	19.10	19.43	19.23	0-5	5
		6	0	19.10	19.33	19.24	0-5	5

LTE Band 2 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	24.11	24.47	24.16	0	0
		1	7	24.17	24.47	24.29	0	0
		1	14	24.05	24.37	24.16	0	0
		8	0	23.19	23.37	23.22	0-1	1
		8	3	23.23	23.42	23.20	0-1	1
		8	7	23.16	23.38	23.19	0-1	1
		15	0	23.15	23.41	23.18	0-1	1
	16QAM	1	0	23.28	23.61	23.39	0-1	1
		1	7	23.49	23.78	23.38	0-1	1
		1	14	23.39	23.43	23.33	0-1	1
		8	0	22.26	22.39	22.22	0-2	2
		8	3	22.26	22.48	22.21	0-2	2
		8	7	22.16	22.47	22.26	0-2	2
		15	0	22.13	22.37	22.17	0-2	2
	64QAM	1	0	22.27	22.61	22.28	0-2	2
		1	7	22.23	22.57	22.30	0-2	2
		1	14	22.10	22.42	22.24	0-2	2
		8	0	21.24	21.40	21.22	0-3	3
		8	3	21.16	21.36	21.19	0-3	3
		8	7	21.09	21.38	21.19	0-3	3
		15	0	21.16	21.38	21.19	0-3	3
	256QAM	1	0	19.17	19.43	19.13	0-5	5
		1	7	19.34	19.44	19.40	0-5	5
		1	14	19.14	19.26	19.09	0-5	5
		8	0	19.21	19.34	19.22	0-5	5
		8	3	19.27	19.42	19.21	0-5	5
		8	7	19.17	19.45	19.16	0-5	5
		15	0	19.16	19.35	19.15	0-5	5

LTE Band 2_ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	24.10	24.36	24.04	0	0
		1	12	24.24	24.43	24.27	0	0
		1	24	24.04	24.34	24.06	0	0
		12	0	23.13	23.38	23.15	0-1	1
		12	6	23.27	23.37	23.25	0-1	1
		12	11	23.13	23.42	23.17	0-1	1
		25	0	23.15	23.33	23.19	0-1	1
	16QAM	1	0	23.42	23.56	23.50	0-1	1
		1	12	23.35	23.89	23.35	0-1	1
		1	24	23.37	23.55	23.34	0-1	1
		12	0	22.21	22.42	22.29	0-2	2
		12	6	22.23	22.39	22.29	0-2	2
		12	11	22.16	22.49	22.22	0-2	2
		25	0	22.13	22.36	22.15	0-2	2
	64QAM	1	0	22.30	22.53	22.28	0-2	2
		1	12	22.32	22.51	22.46	0-2	2
		1	24	22.24	22.41	22.18	0-2	2
		12	0	21.10	21.37	21.20	0-3	3
		12	6	21.24	21.47	21.29	0-3	3
		12	11	21.21	21.39	21.24	0-3	3
		25	0	21.15	21.32	21.17	0-3	3
	256QAM	1	0	19.19	19.36	19.23	0-5	5
		1	12	19.10	19.50	19.36	0-5	5
		1	24	19.04	19.34	19.10	0-5	5
		12	0	19.17	19.45	19.26	0-5	5
		12	6	19.23	19.37	19.25	0-5	5
		12	11	19.18	19.46	19.24	0-5	5
		25	0	19.13	19.39	19.22	0-5	5

LTE Band 2 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	23.83	24.07	24.33	0	0
		1	24	24.23	24.54	24.25	0	0
		1	49	24.06	24.16	24.25	0	0
		25	0	23.05	23.25	23.16	0-1	1
		25	12	23.21	23.36	23.27	0-1	1
		25	24	23.23	23.38	23.12	0-1	1
		50	0	23.13	23.28	23.17	0-1	1
	16QAM	1	0	23.34	23.18	23.42	0-1	1
		1	24	23.17	23.58	23.57	0-1	1
		1	49	23.08	23.28	23.39	0-1	1
		25	0	22.06	22.36	22.14	0-2	2
		25	12	22.25	22.37	22.18	0-2	2
		25	24	22.14	22.35	22.18	0-2	2
		50	0	22.18	22.29	22.16	0-2	2
	64QAM	1	0	21.90	22.18	22.39	0-2	2
		1	24	22.33	22.66	22.50	0-2	2
		1	49	22.10	22.34	22.40	0-2	2
		25	0	21.07	21.28	21.13	0-3	3
		25	12	21.22	21.41	21.27	0-3	3
		25	24	21.22	21.37	21.14	0-3	3
		50	0	21.11	21.31	21.14	0-3	3
	256QAM	1	0	18.76	18.95	19.11	0-5	5
		1	24	19.30	19.61	19.40	0-5	5
		1	49	19.05	19.19	19.00	0-5	5
		25	0	18.99	19.24	19.11	0-5	5
		25	12	19.26	19.33	19.23	0-5	5
		25	24	19.11	19.37	19.10	0-5	5
		50	0	19.12	19.23	19.18	0-5	5

LTE Band 2 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	23.62	24.31	24.22	0	0
		1	36	24.15	24.40	24.21	0	0
		1	74	24.23	24.15	24.09	0	0
		36	0	22.96	23.14	23.06	0-1	1
		36	18	23.04	23.24	23.10	0-1	1
		36	39	23.17	23.30	23.11	0-1	1
		75	0	23.09	23.16	23.03	0-1	1
	16QAM	1	0	22.82	23.99	23.18	0-1	1
		1	36	23.24	23.47	23.29	0-1	1
		1	74	23.41	23.70	23.09	0-1	1
		36	0	22.01	22.22	21.99	0-2	2
		36	18	22.15	22.27	22.03	0-2	2
		36	39	22.22	22.31	22.07	0-2	2
		75	0	22.12	22.18	22.08	0-2	2
	64QAM	1	0	21.97	22.43	22.12	0-2	2
		1	36	22.24	22.41	22.22	0-2	2
		1	74	22.26	22.52	22.07	0-2	2
		36	0	20.86	21.12	21.00	0-3	3
		36	18	21.11	21.16	21.09	0-3	3
		36	39	21.12	21.24	21.04	0-3	3
		75	0	21.03	21.20	21.08	0-3	3
	256QAM	1	0	18.86	19.13	19.09	0-5	5
		1	36	19.36	19.28	19.27	0-5	5
		1	74	19.21	19.22	19.00	0-5	5
		36	0	18.92	19.05	18.96	0-5	5
		36	18	19.06	19.15	19.11	0-5	5
		36	39	19.16	19.26	19.08	0-5	5
		75	0	19.05	19.22	19.07	0-5	5

LTE Band 2 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	24.14	24.41	24.18	0	0
		1	49	24.24	24.30	24.13	0	0
		1	99	24.22	24.35	24.17	0	0
		50	0	22.94	23.15	23.02	0-1	1
		50	25	23.16	23.19	23.13	0-1	1
		50	49	23.17	23.28	23.06	0-1	1
		100	0	23.11	23.16	23.05	0-1	1
	16QAM	1	0	23.23	23.39	23.35	0-1	1
		1	49	23.29	23.41	23.27	0-1	1
		1	99	23.47	23.38	23.22	0-1	1
		50	0	21.90	22.10	22.08	0-2	2
		50	25	22.15	22.26	22.16	0-2	2
		50	49	22.17	22.28	22.18	0-2	2
		100	0	22.07	22.17	22.08	0-2	2
	64QAM	1	0	22.18	22.49	22.27	0-2	2
		1	49	22.33	22.51	22.28	0-2	2
		1	99	22.19	22.36	22.17	0-2	2
		50	0	20.98	21.13	21.00	0-3	3
		50	25	21.17	21.20	21.09	0-3	3
		50	49	21.18	21.31	21.09	0-3	3
		100	0	21.02	21.17	21.03	0-3	3
	256QAM	1	0	18.71	18.72	18.87	0-5	5
		1	49	19.12	19.49	19.31	0-5	5
		1	99	19.39	19.17	18.96	0-5	5
		50	0	18.87	19.18	19.10	0-5	5
		50	25	19.19	19.26	19.10	0-5	5
		50	49	19.18	19.26	19.07	0-5	5
		100	0	19.08	19.15	19.04	0-5	5

[LTE Band 4 Conducted Power DSI=0] [Main Ant1]

LTE Band 4 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19957 Ch. 1710.7 MHz	20175 Ch. 1732.5 MHz	20393 Ch. 1754.3 MHz		
1.4 MHz	QPSK	1	0	24.24	23.58	23.82	0	0
		1	3	24.07	23.46	23.69	0	0
		1	5	23.96	23.57	23.61	0	0
		3	0	24.12	23.56	23.59	0	0
		3	1	24.05	23.60	23.77	0	0
		3	3	23.98	23.57	23.66	0	0
		6	0	23.00	22.51	22.61	0-1	1
	16QAM	1	0	23.08	22.76	22.89	0-1	1
		1	3	23.60	23.00	22.97	0-1	1
		1	5	23.17	22.72	22.87	0-1	1
		3	0	23.20	22.65	22.84	0-1	1
		3	1	23.24	22.62	22.84	0-1	1
		3	3	23.20	22.63	22.72	0-1	1
		6	0	22.09	21.56	21.83	0-2	2
	64QAM	1	0	22.24	21.73	21.80	0-2	2
		1	3	22.27	21.66	21.71	0-2	2
		1	5	22.10	21.53	21.77	0-2	2
		3	0	22.15	21.59	21.82	0-2	2
		3	1	22.24	21.64	21.79	0-2	2
		3	3	22.20	21.66	21.79	0-2	2
		6	0	21.10	20.53	20.70	0-3	3
	256QAM	1	0	19.10	18.57	18.73	0-5	5
		1	3	19.26	18.42	18.85	0-5	5
		1	5	19.08	18.60	18.72	0-5	5
		3	0	19.26	18.57	18.74	0-5	5
		3	1	19.02	18.59	18.74	0-5	5
		3	3	19.08	18.55	18.74	0-5	5
		6	0	19.00	18.51	18.65	0-5	5

LTE Band 4 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19965 Ch. 1711.5 MHz	20175 Ch. 1732.5 MHz	20385 Ch. 1753.5 MHz		
3 MHz	QPSK	1	0	24.14	23.77	23.89	0	0
		1	7	23.92	23.86	24.10	0	0
		1	14	23.86	23.81	23.87	0	0
		8	0	22.84	22.85	22.92	0-1	1
		8	3	22.79	22.89	22.93	0-1	1
		8	7	22.75	22.81	23.01	0-1	1
		15	0	22.67	22.87	22.88	0-1	1
	16QAM	1	0	22.76	23.23	23.17	0-1	1
		1	7	22.66	22.98	23.29	0-1	1
		1	14	22.83	22.99	23.19	0-1	1
		8	0	21.65	21.86	21.93	0-2	2
		8	3	21.66	21.92	22.00	0-2	2
		8	7	21.68	21.80	22.04	0-2	2
		15	0	21.62	21.94	21.92	0-2	2
	64QAM	1	0	21.81	21.95	22.02	0-2	2
		1	7	21.69	22.17	22.21	0-2	2
		1	14	21.77	21.93	22.04	0-2	2
		8	0	20.65	20.86	20.97	0-3	3
		8	3	20.69	20.85	20.95	0-3	3
		8	7	20.75	20.87	20.96	0-3	3
		15	0	20.66	20.84	20.92	0-3	3
	256QAM	1	0	19.40	18.88	18.95	0-5	5
		1	7	19.50	18.82	19.25	0-5	5
		1	14	19.26	18.78	18.94	0-5	5
		8	0	19.46	18.82	18.92	0-5	5
		8	3	19.46	18.88	18.95	0-5	5
		8	7	19.42	18.83	18.99	0-5	5
		15	0	19.46	18.81	18.89	0-5	5

LTE Band 4 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19975 Ch. 1712.5 MHz	20175 Ch. 1732.5 MHz	20375 Ch. 1752.5 MHz		
5 MHz	QPSK	1	0	24.06	23.76	23.92	0	0
		1	12	23.76	24.20	24.04	0	0
		1	24	23.99	23.77	23.90	0	0
		12	0	22.74	22.92	22.85	0-1	1
		12	6	22.69	22.95	22.97	0-1	1
		12	11	22.69	22.78	22.94	0-1	1
		25	0	22.64	22.86	23.00	0-1	1
	16QAM	1	0	22.77	22.93	23.09	0-1	1
		1	12	22.62	23.03	23.51	0-1	1
		1	24	22.93	22.92	23.10	0-1	1
		12	0	21.56	21.92	21.95	0-2	2
		12	6	21.55	21.94	21.99	0-2	2
		12	11	21.64	21.92	21.99	0-2	2
		25	0	21.62	21.82	21.97	0-2	2
	64QAM	1	0	21.74	21.93	22.06	0-2	2
		1	12	21.59	22.19	22.24	0-2	2
		1	24	21.96	21.93	22.08	0-2	2
		12	0	20.59	20.88	20.90	0-3	3
		12	6	20.64	20.89	20.93	0-3	3
		12	11	20.67	20.83	20.98	0-3	3
		25	0	20.68	20.85	20.98	0-3	3
	256QAM	1	0	19.33	18.76	18.79	0-5	5
		1	12	19.56	18.80	19.13	0-5	5
		1	24	19.25	18.70	18.93	0-5	5
		12	0	19.43	18.85	18.93	0-5	5
		12	6	19.48	18.97	18.99	0-5	5
		12	11	19.40	18.87	18.97	0-5	5
		25	0	19.37	18.81	18.96	0-5	5

LTE Band 4 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20000 Ch. 1715 MHz	20175 Ch. 1732.5 MHz	20350 Ch. 1750 MHz		
10 MHz	QPSK	1	0	24.13	23.60	23.56	0	0
		1	24	24.11	23.92	24.07	0	0
		1	49	23.93	23.61	23.69	0	0
		25	0	23.33	22.80	22.80	0-1	1
		25	12	23.33	22.89	22.97	0-1	1
		25	24	23.26	22.79	22.83	0-1	1
		50	0	23.30	22.84	22.89	0-1	1
	16QAM	1	0	23.15	22.74	22.88	0-1	1
		1	24	23.21	23.05	23.09	0-1	1
		1	49	23.08	22.79	22.76	0-1	1
		25	0	22.04	21.82	21.85	0-2	2
		25	12	22.13	21.93	21.97	0-2	2
		25	24	22.19	21.81	21.93	0-2	2
		50	0	22.20	21.83	21.90	0-2	2
	64QAM	1	0	22.18	21.77	21.61	0-2	2
		1	24	22.05	21.93	22.19	0-2	2
		1	49	22.13	21.61	21.79	0-2	2
		25	0	21.06	20.78	20.82	0-3	3
		25	12	21.12	20.87	20.98	0-3	3
		25	24	21.23	20.78	20.92	0-3	3
		50	0	21.24	20.78	20.82	0-3	3
	256QAM	1	0	19.01	18.78	18.47	0-5	5
		1	24	19.48	19.06	19.03	0-5	5
		1	49	18.96	18.67	18.72	0-5	5
		25	0	19.32	18.80	18.71	0-5	5
		25	12	19.38	18.90	18.99	0-5	5
		25	24	19.19	18.77	18.88	0-5	5
		50	0	19.26	18.79	18.86	0-5	5

LTE Band 4 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
15 MHz	QPSK	1	0	24.10	23.82	23.72	0	0
		1	36	24.19	23.70	23.80	0	0
		1	74	23.77	23.70	23.68	0	0
		36	0	22.95	22.70	22.65	0-1	1
		36	18	23.05	22.68	22.76	0-1	1
		36	39	23.02	22.70	22.79	0-1	1
		75	0	23.05	22.69	22.68	0-1	1
	16QAM	1	0	22.78	22.97	22.71	0-1	1
		1	36	22.95	22.89	23.13	0-1	1
		1	74	23.12	22.63	22.96	0-1	1
		36	0	21.75	21.73	21.62	0-2	2
		36	18	21.93	21.70	21.77	0-2	2
		36	39	22.05	21.75	21.87	0-2	2
		75	0	22.03	21.63	21.64	0-2	2
	64QAM	1	0	21.83	21.62	21.67	0-2	2
		1	36	21.94	21.90	21.94	0-2	2
		1	74	22.08	21.73	22.03	0-2	2
		36	0	20.80	20.71	20.65	0-3	3
		36	18	20.97	20.69	20.69	0-3	3
		36	39	20.98	20.70	20.79	0-3	3
		75	0	21.11	20.74	20.63	0-3	3
	256QAM	1	0	19.42	18.76	18.56	0-5	5
		1	36	19.33	18.77	18.92	0-5	5
		1	74	19.09	18.60	18.99	0-5	5
		36	0	19.19	18.68	18.68	0-5	5
		36	18	19.16	18.80	18.72	0-5	5
		36	39	18.97	18.74	18.86	0-5	5
		75	0	19.12	18.72	18.72	0-5	5

LTE Band 4 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20175 Ch. 1732.5 MHz		
20 MHz	QPSK	1	0	23.84	0	0
		1	49	23.71	0	0
		1	99	23.56	0	0
		50	0	22.69	0-1	1
		50	25	22.76	0-1	1
		50	49	22.67	0-1	1
		100	0	22.76	0-1	1
	16QAM	1	0	23.25	0-1	1
		1	49	22.81	0-1	1
		1	99	22.75	0-1	1
		50	0	21.66	0-2	2
		50	25	21.72	0-2	2
		50	49	21.67	0-2	2
		100	0	21.69	0-2	2
	64QAM	1	0	21.75	0-2	2
		1	49	21.71	0-2	2
		1	99	21.73	0-2	2
		50	0	20.65	0-3	3
		50	25	20.76	0-3	3
		50	49	20.67	0-3	3
		100	0	20.69	0-3	3
	256QAM	1	0	18.84	0-5	5
		1	49	18.70	0-5	5
		1	99	18.84	0-5	5
		50	0	18.73	0-5	5
		50	25	18.74	0-5	5
		50	49	18.69	0-5	5
		100	0	18.69	0-5	5

[LTE Band 5 Conducted Power DSI=0] [Main Ant1]

LTE Band 5 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20407 Ch. 824.7 MHz	20525 Ch. 836.5 MHz	20643 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	23.62	23.82	24.10	0	0
		1	3	23.61	23.95	24.25	0	0
		1	5	23.58	23.87	24.19	0	0
		3	0	23.67	23.81	24.13	0	0
		3	1	23.57	23.84	24.13	0	0
		3	3	23.63	23.85	24.20	0	0
	16QAM	6	0	22.54	22.95	23.11	0-1	1
		1	0	22.77	23.31	23.27	0-1	1
		1	3	22.82	23.02	23.47	0-1	1
		1	5	22.72	23.07	23.51	0-1	1
		3	0	22.84	22.91	23.29	0-1	1
		3	1	22.76	23.06	23.34	0-1	1
	64QAM	3	3	22.76	23.03	23.31	0-1	1
		6	0	21.63	21.94	22.15	0-2	2
		1	0	21.63	22.13	22.34	0-2	2
		1	3	21.75	22.07	22.27	0-2	2
		1	5	21.68	22.00	22.35	0-2	2
		3	0	21.67	21.98	22.22	0-2	2
	256QAM	3	1	21.59	21.95	22.32	0-2	2
		3	3	21.65	22.00	22.21	0-2	2
		6	0	20.58	20.93	21.09	0-3	3
		1	0	18.50	18.89	19.18	0-5	5
		1	3	18.62	18.93	19.32	0-5	5
		1	5	18.63	19.10	19.19	0-5	5
		3	0	18.57	18.82	19.13	0-5	5
		3	1	18.57	18.89	19.27	0-5	5
		3	3	18.54	18.94	19.18	0-5	5
		6	0	18.63	18.90	19.10	0-5	5

LTE Band 5 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20415 Ch. 825.5 MHz	20525 Ch. 836.5 MHz	20635 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	23.50	23.95	24.14	0	0
		1	7	23.56	24.04	24.22	0	0
		1	14	23.54	23.90	24.10	0	0
		8	0	22.46	22.88	23.21	0-1	1
		8	3	22.66	22.85	23.21	0-1	1
		8	7	22.65	22.85	23.24	0-1	1
		15	0	22.62	22.81	23.12	0-1	1
	16QAM	1	0	22.95	22.97	23.23	0-1	1
		1	7	22.88	23.24	23.45	0-1	1
		1	14	22.84	23.03	23.46	0-1	1
		8	0	21.60	21.79	22.26	0-2	2
		8	3	21.69	21.92	22.14	0-2	2
		8	7	21.70	22.01	22.28	0-2	2
		15	0	21.66	21.86	22.12	0-2	2
	64QAM	1	0	21.68	22.01	22.18	0-2	2
		1	7	21.66	22.18	22.30	0-2	2
		1	14	21.57	21.96	22.15	0-2	2
		8	0	20.57	20.85	21.12	0-3	3
		8	3	20.60	20.84	21.19	0-3	3
		8	7	20.60	20.90	21.24	0-3	3
		15	0	20.58	20.85	21.10	0-3	3
	256QAM	1	0	18.67	18.85	18.99	0-5	5
		1	7	18.71	19.13	19.36	0-5	5
		1	14	18.62	18.85	19.04	0-5	5
		8	0	18.55	18.91	19.10	0-5	5
		8	3	18.60	18.91	19.18	0-5	5
		8	7	18.61	18.90	19.19	0-5	5
		15	0	18.58	18.85	19.09	0-5	5

LTE Band 5 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20425 Ch. 826.5 MHz	20525 Ch. 836.5 MHz	20625 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	23.45	23.76	24.14	0	0
		1	12	23.75	24.04	24.28	0	0
		1	24	23.64	23.83	24.15	0	0
		12	0	22.49	22.78	23.13	0-1	1
		12	6	22.69	22.85	23.29	0-1	1
		12	11	22.61	22.92	23.22	0-1	1
		25	0	22.65	22.83	23.24	0-1	1
	16QAM	1	0	22.54	22.95	23.31	0-1	1
		1	12	22.83	23.17	23.32	0-1	1
		1	24	22.85	23.02	23.45	0-1	1
		12	0	21.63	21.78	22.17	0-2	2
		12	6	21.71	21.88	22.25	0-2	2
		12	11	21.63	22.03	22.22	0-2	2
		25	0	21.61	21.86	22.20	0-2	2
	64QAM	1	0	22.00	21.80	22.25	0-2	2
		1	12	21.92	22.16	22.35	0-2	2
		1	24	21.76	21.99	22.23	0-2	2
		12	0	20.55	20.85	21.19	0-3	3
		12	6	20.66	20.91	21.27	0-3	3
		12	11	20.68	20.92	21.18	0-3	3
		25	0	20.60	20.82	21.17	0-3	3
	256QAM	1	0	18.63	18.90	19.05	0-5	5
		1	12	18.74	19.02	19.28	0-5	5
		1	24	18.66	18.79	19.08	0-5	5
		12	0	18.53	18.93	19.02	0-5	5
		12	6	18.63	18.94	19.22	0-5	5
		12	11	18.63	18.90	19.19	0-5	5
		25	0	18.64	18.79	19.12	0-5	5

LTE Band 5 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20525 Ch. 836.5 MHz		
10 MHz	QPSK	1	0	23.83	0	0
		1	24	23.94	0	0
		1	49	23.94	0	0
		25	0	22.86	0-1	1
		25	12	22.86	0-1	1
		25	24	22.90	0-1	1
		50	0	22.71	0-1	1
	16QAM	1	0	22.95	0-1	1
		1	24	23.24	0-1	1
		1	49	23.18	0-1	1
		25	0	21.81	0-2	2
		25	12	21.87	0-2	2
		25	24	21.92	0-2	2
		50	0	21.77	0-2	2
	64QAM	1	0	21.97	0-2	2
		1	24	22.04	0-2	2
		1	49	22.08	0-2	2
		25	0	20.81	0-3	3
		25	12	20.87	0-3	3
		25	24	20.91	0-3	3
		50	0	20.77	0-3	3
	256QAM	1	0	18.44	0-5	5
		1	24	19.12	0-5	5
		1	49	18.83	0-5	5
		25	0	18.81	0-5	5
		25	12	18.83	0-5	5
		25	24	18.89	0-5	5
		50	0	18.84	0-5	5

[LTE Band 7 Conducted Power DSI=0] [Main Ant1]

LTE Band 7 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	21.96	21.81	22.11	0	0
		1	12	21.88	21.91	22.23	0	0
		1	24	21.94	21.76	22.12	0	0
		12	0	20.95	20.81	21.09	0-1	1
		12	6	20.95	20.80	21.09	0-1	1
		12	11	20.90	20.82	21.17	0-1	1
		25	0	20.97	20.82	21.09	0-1	1
	16QAM	1	0	21.05	21.09	21.43	0-1	1
		1	12	21.18	21.20	21.40	0-1	1
		1	24	21.19	20.94	21.34	0-1	1
		12	0	19.93	19.85	20.09	0-2	2
		12	6	19.98	19.88	20.15	0-2	2
		12	11	19.99	19.79	20.17	0-2	2
		25	0	19.93	19.79	20.07	0-2	2
	64QAM	1	0	20.08	20.04	20.21	0-2	2
		1	12	20.09	20.05	20.35	0-2	2
		1	24	19.98	20.00	20.24	0-2	2
		12	0	18.94	18.79	19.03	0-3	3
		12	6	18.93	18.90	19.17	0-3	3
		12	11	18.86	18.86	19.21	0-3	3
		25	0	18.84	18.82	19.00	0-3	3
	256QAM	1	0	16.86	16.87	17.06	0-5	5
		1	12	17.11	16.89	17.26	0-5	5
		1	24	16.97	16.76	17.12	0-5	5
		12	0	16.90	16.76	17.06	0-5	5
		12	6	17.04	16.87	17.07	0-5	5
		12	11	16.95	16.79	17.14	0-5	5
		25	0	16.88	16.82	17.05	0-5	5

LTE Band 7 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	21.73	21.90	22.02	0	0
		1	24	21.83	21.83	22.11	0	0
		1	49	21.94	21.91	22.05	0	0
		25	0	20.95	20.78	21.08	0-1	1
		25	12	20.98	20.81	21.14	0-1	1
		25	24	20.91	20.85	21.14	0-1	1
		50	0	20.88	20.78	21.12	0-1	1
	16QAM	1	0	21.15	21.01	21.34	0-1	1
		1	24	20.96	20.98	21.40	0-1	1
		1	49	21.10	20.98	21.27	0-1	1
		25	0	19.97	19.82	20.09	0-2	2
		25	12	19.95	19.85	20.12	0-2	2
		25	24	19.88	19.80	20.13	0-2	2
		50	0	19.85	19.74	20.06	0-2	2
	64QAM	1	0	20.19	19.89	20.20	0-2	2
		1	24	20.10	19.93	20.37	0-2	2
		1	49	19.94	19.95	20.27	0-2	2
		25	0	18.94	18.75	19.06	0-3	3
		25	12	18.89	18.88	19.13	0-3	3
		25	24	18.94	18.83	19.08	0-3	3
		50	0	18.82	18.75	19.03	0-3	3
	256QAM	1	0	16.69	16.51	16.87	0-5	5
		1	24	16.99	16.80	17.43	0-5	5
		1	49	16.65	16.66	16.94	0-5	5
		25	0	16.88	16.74	17.00	0-5	5
		25	12	16.89	16.81	17.15	0-5	5
		25	24	16.87	16.73	17.05	0-5	5
		50	0	16.83	16.70	17.02	0-5	5

LTE Band 7 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	22.11	21.72	22.40	0	0
		1	36	21.66	21.51	22.04	0	0
		1	74	21.65	21.66	22.26	0	0
		36	0	20.71	20.64	20.87	0-1	1
		36	18	20.79	20.65	20.92	0-1	1
		36	39	20.79	20.67	20.88	0-1	1
		75	0	20.73	20.61	20.88	0-1	1
	16QAM	1	0	20.76	20.91	21.14	0-1	1
		1	36	21.05	20.78	21.28	0-1	1
		1	74	20.96	20.82	20.96	0-1	1
		36	0	19.71	19.66	19.86	0-2	2
		36	18	19.79	19.69	19.98	0-2	2
		36	39	19.74	19.72	19.85	0-2	2
		75	0	19.71	19.63	19.91	0-2	2
	64QAM	1	0	19.93	19.63	20.04	0-2	2
		1	36	19.96	19.82	20.24	0-2	2
		1	74	20.13	19.67	20.15	0-2	2
		36	0	18.76	18.60	18.88	0-3	3
		36	18	18.78	18.61	18.91	0-3	3
		36	39	18.76	18.63	18.89	0-3	3
		75	0	18.67	18.58	18.84	0-3	3
	256QAM	1	0	16.60	16.56	16.79	0-5	5
		1	36	16.84	16.47	17.14	0-5	5
		1	74	16.64	16.69	16.95	0-5	5
		36	0	16.58	16.53	16.80	0-5	5
		36	18	16.78	16.64	16.88	0-5	5
		36	39	16.79	16.55	16.94	0-5	5
		75	0	16.70	16.51	16.85	0-5	5

LTE Band 7 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	21.85	21.78	22.02	0	0
		1	49	21.62	21.67	21.84	0	0
		1	99	21.22	21.83	21.86	0	0
		50	0	20.67	20.59	20.78	0-1	1
		50	25	20.74	20.59	20.76	0-1	1
		50	49	20.64	20.63	20.87	0-1	1
		100	0	20.61	20.44	20.74	0-1	1
	16QAM	1	0	20.88	20.63	21.16	0-1	1
		1	49	20.91	20.83	21.17	0-1	1
		1	99	20.86	20.75	20.95	0-1	1
		50	0	19.73	19.62	19.83	0-2	2
		50	25	19.66	19.60	19.80	0-2	2
		50	49	19.66	19.54	19.83	0-2	2
		100	0	19.57	19.51	19.67	0-2	2
	64QAM	1	0	19.87	19.72	20.20	0-2	2
		1	49	19.91	19.62	19.97	0-2	2
		1	99	19.72	19.90	19.75	0-2	2
		50	0	18.71	18.47	18.83	0-3	3
		50	25	18.69	18.56	18.80	0-3	3
		50	49	18.59	18.59	18.84	0-3	3
		100	0	18.68	18.53	18.78	0-3	3
	256QAM	1	0	16.41	16.30	16.61	0-5	5
		1	49	16.59	16.52	16.91	0-5	5
		1	99	16.61	16.40	16.32	0-5	5
		50	0	16.58	16.47	16.78	0-5	5
		50	25	16.71	16.59	16.76	0-5	5
		50	49	16.66	16.52	16.71	0-5	5
		100	0	16.59	16.45	16.65	0-5	5

[LTE Band 12 Conducted Power DSI=0] [Main Ant1]

LTE Band 12 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23017 Ch. 699.7 MHz	23095 Ch. 707.5 MHz	23173 Ch. 715.3 MHz		
1.4 MHz	QPSK	1	0	24.37	24.65	24.89	0	0
		1	3	24.43	24.61	24.98	0	0
		1	5	24.37	24.65	24.91	0	0
		3	0	24.42	24.62	24.88	0	0
		3	1	24.38	24.56	24.91	0	0
		3	3	24.42	24.63	24.93	0	0
		6	0	23.48	23.64	23.79	0-1	1
	16QAM	1	0	23.75	23.77	23.98	0-1	1
		1	3	23.80	23.99	23.94	0-1	1
		1	5	23.55	23.76	23.97	0-1	1
		3	0	23.54	23.76	23.94	0-1	1
		3	1	23.53	23.75	23.94	0-1	1
		3	3	23.53	23.86	23.95	0-1	1
		6	0	22.46	22.73	22.92	0-2	2
	64QAM	1	0	22.49	22.82	22.95	0-2	2
		1	3	22.70	22.73	22.97	0-2	2
		1	5	22.63	22.74	22.97	0-2	2
		3	0	22.54	22.68	22.93	0-2	2
		3	1	22.61	22.75	22.91	0-2	2
		3	3	22.37	22.72	22.89	0-2	2
		6	0	21.41	21.65	21.83	0-3	3
	256QAM	1	0	19.44	19.61	19.83	0-5	5
		1	3	19.57	19.67	19.99	0-5	5
		1	5	19.38	19.66	19.89	0-5	5
		3	0	19.49	19.64	19.84	0-5	5
		3	1	19.46	19.42	19.82	0-5	5
		3	3	19.40	19.63	19.88	0-5	5
		6	0	19.31	19.64	19.79	0-5	5

LTE Band 12 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23025 Ch. 700.5 MHz	23095 Ch. 707.5 MHz	23165 Ch. 714.5 MHz		
3 MHz	QPSK	1	0	24.36	24.58	24.76	0	0
		1	7	24.42	24.62	24.93	0	0
		1	14	24.38	24.60	24.84	0	0
		8	0	23.38	23.62	23.81	0-1	1
		8	3	23.43	23.67	23.88	0-1	1
		8	7	23.49	23.68	23.89	0-1	1
		15	0	23.46	23.66	23.82	0-1	1
	16QAM	1	0	23.74	23.79	23.94	0-1	1
		1	7	23.70	23.81	23.95	0-1	1
		1	14	23.65	23.72	23.94	0-1	1
		8	0	22.43	22.69	22.83	0-2	2
		8	3	22.53	22.70	22.85	0-2	2
		8	7	22.47	22.73	22.89	0-2	2
		15	0	22.42	22.69	22.83	0-2	2
	64QAM	1	0	22.55	22.88	22.88	0-2	2
		1	7	22.80	22.80	22.98	0-2	2
		1	14	22.53	22.83	22.96	0-2	2
		8	0	21.38	21.65	21.83	0-3	3
		8	3	21.52	21.63	21.92	0-3	3
		8	7	21.42	21.71	21.92	0-3	3
		15	0	21.50	21.72	21.85	0-3	3
	256QAM	1	0	19.45	19.64	19.79	0-5	5
		1	7	19.51	19.80	19.91	0-5	5
		1	14	19.48	19.68	19.84	0-5	5
		8	0	19.32	19.50	19.78	0-5	5
		8	3	19.45	19.58	19.85	0-5	5
		8	7	19.45	19.65	19.85	0-5	5
		15	0	19.45	19.66	19.82	0-5	5

LTE Band 12 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23035 Ch. 701.5 MHz	23095 Ch. 707.5 MHz	23155 Ch. 713.5 MHz		
5 MHz	QPSK	1	0	24.49	24.54	24.73	0	0
		1	12	24.43	24.66	24.87	0	0
		1	24	24.49	24.56	24.85	0	0
		12	0	23.47	23.63	23.80	0-1	1
		12	6	23.56	23.68	23.89	0-1	1
		12	11	23.49	23.71	23.93	0-1	1
		25	0	23.45	23.69	23.81	0-1	1
	16QAM	1	0	23.76	23.83	23.97	0-1	1
		1	12	23.61	23.91	23.92	0-1	1
		1	24	23.64	23.78	23.98	0-1	1
		12	0	22.42	22.67	22.84	0-2	2
		12	6	22.53	22.67	22.93	0-2	2
		12	11	22.48	22.74	22.90	0-2	2
		25	0	22.49	22.66	22.80	0-2	2
	64QAM	1	0	22.68	22.67	22.88	0-2	2
		1	12	22.67	22.82	22.89	0-2	2
		1	24	22.59	22.94	22.97	0-2	2
		12	0	21.44	21.70	21.81	0-3	3
		12	6	21.54	21.65	21.86	0-3	3
		12	11	21.47	21.71	21.87	0-3	3
		25	0	21.47	21.69	21.76	0-3	3
	256QAM	1	0	19.42	19.65	19.70	0-5	5
		1	12	19.57	19.74	19.97	0-5	5
		1	24	19.39	19.78	19.86	0-5	5
		12	0	19.38	19.62	19.76	0-5	5
		12	6	19.49	19.48	19.80	0-5	5
		12	11	19.46	19.65	19.88	0-5	5
		25	0	19.48	19.66	19.69	0-5	5

LTE Band 12 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23095 Ch. 707.5 MHz		
10 MHz	QPSK	1	0	24.53	0	0
		1	24	24.75	0	0
		1	49	24.71	0	0
		25	0	23.55	0-1	1
		25	12	23.66	0-1	1
		25	24	23.74	0-1	1
		50	0	23.64	0-1	1
	16QAM	1	0	23.75	0-1	1
		1	24	23.79	0-1	1
		1	49	23.88	0-1	1
		25	0	22.53	0-2	2
		25	12	22.63	0-2	2
		25	24	22.74	0-2	2
		50	0	22.62	0-2	2
	64QAM	1	0	22.58	0-2	2
		1	24	22.77	0-2	2
		1	49	22.88	0-2	2
		25	0	21.51	0-3	3
		25	12	21.61	0-3	3
		25	24	21.75	0-3	3
		50	0	21.64	0-3	3
	256QAM	1	0	19.19	0-5	5
		1	24	19.73	0-5	5
		1	49	19.56	0-5	5
		25	0	19.46	0-5	5
		25	12	19.61	0-5	5
		25	24	19.73	0-5	5
		50	0	19.59	0-5	5

[LTE Band 13 Conducted Power DSI=0] [Main Ant1]

LTE Band 13 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23205 Ch. 779.5 MHz	23230 Ch. 782 MHz	23205 Ch. 784.5 MHz		
5 MHz	QPSK	1	0	24.09	24.36	24.40	0	0
		1	12	24.36	24.43	24.43	0	0
		1	24	24.36	24.41	24.26	0	0
		12	0	23.28	23.34	23.36	0-1	1
		12	6	23.41	23.41	23.35	0-1	1
		12	11	23.37	23.37	23.35	0-1	1
	16QAM	25	0	23.40	23.32	23.36	0-1	1
		1	0	22.95	23.82	23.64	0-1	1
		1	12	23.58	23.74	23.77	0-1	1
		1	24	23.50	23.44	23.49	0-1	1
		12	0	22.34	22.38	22.32	0-2	2
		12	6	22.40	22.34	22.34	0-2	2
	64QAM	12	11	22.43	22.30	22.38	0-2	2
		25	0	22.43	22.34	22.32	0-2	2
		1	0	21.90	22.62	22.34	0-2	2
		1	12	22.42	22.49	22.56	0-2	2
		1	24	22.37	22.41	22.29	0-2	2
		12	0	21.23	21.27	21.39	0-3	3
	256QAM	12	6	21.41	21.32	21.39	0-3	3
		12	11	21.38	21.30	21.35	0-3	3
		25	0	21.35	21.25	21.28	0-3	3
		1	0	19.26	19.14	19.37	0-5	5
		1	12	19.39	19.50	19.52	0-5	5
		1	24	19.42	19.40	19.15	0-5	5
		12	0	19.34	19.28	19.32	0-5	5
		12	6	19.37	19.38	19.35	0-5	5
		12	11	19.39	19.27	19.32	0-5	5
		25	0	19.36	19.34	19.29	0-5	5

LTE Band 13 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23230 Ch. 782 MHz		
10 MHz	QPSK	1	0	23.81	0	0
		1	24	24.44	0	0
		1	49	24.23	0	0
		25	0	23.36	0-1	1
		25	12	23.36	0-1	1
		25	24	23.28	0-1	1
		50	0	23.24	0-1	1
	16QAM	1	0	22.97	0-1	1
		1	24	23.66	0-1	1
		1	49	23.50	0-1	1
		25	0	22.37	0-2	2
		25	12	22.41	0-2	2
		25	24	22.21	0-2	2
		50	0	22.29	0-2	2
	64QAM	1	0	22.06	0-2	2
		1	24	22.57	0-2	2
		1	49	22.15	0-2	2
		25	0	21.34	0-3	3
		25	12	21.38	0-3	3
		25	24	21.25	0-3	3
		50	0	21.25	0-3	3
	256QAM	1	0	19.11	0-5	5
		1	24	19.39	0-5	5
		1	49	19.20	0-5	5
		25	0	19.33	0-5	5
		25	12	19.38	0-5	5
		25	24	19.31	0-5	5
		50	0	19.28	0-5	5

[LTE Band 25 Conducted Power DSI=0] [Main Ant1]
LTE Band 25 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26047 Ch. 1850.7 MHz	26365 Ch. 1882.5 MHz	26683 Ch. 1914.3 MHz		
1.4 MHz	QPSK	1	0	24.23	24.57	24.14	0	0
		1	3	24.24	24.41	24.20	0	0
		1	5	24.17	24.45	24.17	0	0
		3	0	24.13	24.42	24.13	0	0
		3	1	24.16	24.47	24.10	0	0
		3	3	24.15	24.48	24.19	0	0
		6	0	23.23	23.29	23.21	0-1	1
	16QAM	1	0	23.29	23.79	23.49	0-1	1
		1	3	23.35	23.66	23.26	0-1	1
		1	5	23.36	23.51	23.53	0-1	1
		3	0	23.19	23.59	23.23	0-1	1
		3	1	23.39	23.59	23.24	0-1	1
		3	3	23.32	23.54	23.25	0-1	1
		6	0	22.18	22.42	22.14	0-2	2
	64QAM	1	0	22.08	22.48	22.22	0-2	2
		1	3	22.29	22.65	22.39	0-2	2
		1	5	22.35	22.68	22.12	0-2	2
		3	0	22.22	22.61	22.14	0-2	2
		3	1	22.24	22.57	22.30	0-2	2
		3	3	22.21	22.50	22.20	0-2	2
		6	0	21.13	21.38	21.11	0-3	3
	256QAM	1	0	19.26	19.46	19.00	0-5	5
		1	3	19.27	19.38	19.16	0-5	5
		1	5	19.38	19.47	19.24	0-5	5
		3	0	19.16	19.33	19.18	0-5	5
		3	1	19.22	19.48	19.11	0-5	5
		3	3	19.04	19.50	19.14	0-5	5
		6	0	19.16	19.33	19.13	0-5	5

LTE Band 25 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26055 Ch. 1851.5 MHz	26365 Ch. 1882.5 MHz	26675 Ch. 1913.5 MHz		
3 MHz	QPSK	1	0	23.99	24.37	24.12	0	0
		1	7	24.16	24.49	24.29	0	0
		1	14	24.08	24.49	24.15	0	0
		8	0	23.16	23.35	23.21	0-1	1
		8	3	23.22	23.42	23.14	0-1	1
		8	7	23.27	23.50	23.17	0-1	1
		15	0	23.21	23.39	23.16	0-1	1
	16QAM	1	0	23.24	23.54	23.39	0-1	1
		1	7	23.37	23.68	23.37	0-1	1
		1	14	23.32	23.60	23.53	0-1	1
		8	0	22.23	22.42	22.11	0-2	2
		8	3	22.17	22.36	22.23	0-2	2
		8	7	22.26	22.47	22.20	0-2	2
		15	0	22.20	22.42	22.18	0-2	2
	64QAM	1	0	22.26	22.62	22.15	0-2	2
		1	7	22.29	22.51	22.45	0-2	2
		1	14	22.44	22.62	22.22	0-2	2
		8	0	21.17	21.34	21.13	0-3	3
		8	3	21.19	21.34	21.24	0-3	3
		8	7	21.24	21.48	21.14	0-3	3
		15	0	21.14	21.38	21.11	0-3	3
	256QAM	1	0	19.12	19.22	19.09	0-5	5
		1	7	19.32	19.52	19.40	0-5	5
		1	14	19.10	19.59	19.17	0-5	5
		8	0	19.18	19.40	19.12	0-5	5
		8	3	19.21	19.42	19.13	0-5	5
		8	7	19.21	19.40	19.19	0-5	5
		15	0	19.20	19.32	19.21	0-5	5

LTE Band 25 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26065 Ch. 1852.5 MHz	26365 Ch. 1882.5 MHz	26665 Ch. 1912.5 MHz		
5 MHz	QPSK	1	0	24.01	24.33	24.06	0	0
		1	12	24.06	24.56	24.23	0	0
		1	24	24.00	24.47	24.15	0	0
		12	0	23.04	23.39	23.14	0-1	1
		12	6	23.09	23.45	23.24	0-1	1
		12	11	23.27	23.48	23.19	0-1	1
	16QAM	25	0	23.23	23.39	23.15	0-1	1
		1	0	23.36	23.58	23.27	0-1	1
		1	12	23.48	23.73	23.67	0-1	1
		1	24	23.19	23.67	23.44	0-1	1
		12	0	22.20	22.40	22.17	0-2	2
		12	6	22.30	22.36	22.27	0-2	2
	64QAM	12	11	22.29	22.49	22.18	0-2	2
		25	0	22.23	22.36	22.18	0-2	2
		1	0	22.24	22.49	22.37	0-2	2
		1	12	22.28	22.69	22.37	0-2	2
		1	24	22.51	22.58	22.20	0-2	2
		12	0	21.11	21.39	21.18	0-3	3
	256QAM	12	6	21.21	21.44	21.22	0-3	3
		12	11	21.24	21.50	21.21	0-3	3
		25	0	21.22	21.39	21.13	0-3	3
		1	0	19.05	19.59	18.99	0-5	5
		1	12	19.34	19.62	19.24	0-5	5
		1	24	19.27	19.58	19.31	0-5	5
		12	0	19.09	19.33	19.12	0-5	5
		12	6	19.20	19.39	19.19	0-5	5
		12	11	19.23	19.49	19.17	0-5	5
		25	0	19.18	19.36	19.17	0-5	5

LTE Band 25_ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26090 Ch. 1855 MHz	26365 Ch. 1882.5 MHz	26640 Ch. 1910 MHz		
10 MHz	QPSK	1	0	23.93	24.12	24.26	0	0
		1	24	24.30	24.50	24.15	0	0
		1	49	24.03	24.20	24.32	0	0
		25	0	23.08	23.31	23.19	0-1	1
		25	12	23.35	23.42	23.21	0-1	1
		25	24	23.23	23.34	23.19	0-1	1
	16QAM	50	0	23.24	23.34	23.14	0-1	1
		1	0	23.15	23.46	23.43	0-1	1
		1	24	23.54	23.76	23.37	0-1	1
		1	49	23.40	23.51	23.34	0-1	1
		25	0	22.09	22.34	22.15	0-2	2
		25	12	22.30	22.42	22.24	0-2	2
	64QAM	25	24	22.26	22.41	22.10	0-2	2
		50	0	22.20	22.35	22.14	0-2	2
		1	0	22.01	22.21	22.27	0-2	2
		1	24	22.44	22.71	22.29	0-2	2
		1	49	22.11	22.36	22.40	0-2	2
		25	0	21.07	21.32	21.05	0-3	3
	256QAM	25	12	21.26	21.38	21.24	0-3	3
		25	24	21.19	21.34	21.16	0-3	3
		50	0	21.19	21.35	21.20	0-3	3
		1	0	18.87	19.17	18.97	0-5	5
		1	24	19.33	19.71	19.30	0-5	5
		1	49	18.95	19.32	19.03	0-5	5
		25	0	19.05	19.37	19.09	0-5	5
		25	12	19.24	19.40	19.25	0-5	5
		25	24	19.22	19.44	19.15	0-5	5
		50	0	19.17	19.32	19.11	0-5	5

LTE Band 25 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26115 Ch. 1857.5 MHz	26365 Ch. 1882.5 MHz	26615 Ch. 1907.5 MHz		
15 MHz	QPSK	1	0	23.92	24.42	24.11	0	0
		1	36	24.41	24.89	24.24	0	0
		1	74	24.41	24.51	24.40	0	0
		36	0	23.06	23.33	23.09	0-1	1
		36	18	23.23	23.30	23.19	0-1	1
		36	39	23.27	23.31	23.10	0-1	1
	16QAM	75	0	23.19	23.27	23.11	0-1	1
		1	0	23.00	23.72	23.29	0-1	1
		1	36	23.44	23.73	23.24	0-1	1
		1	74	23.49	23.42	23.13	0-1	1
		36	0	22.03	22.24	22.05	0-2	2
		36	18	22.24	22.38	22.19	0-2	2
	64QAM	36	39	22.24	22.31	22.16	0-2	2
		75	0	22.21	22.25	22.18	0-2	2
		1	0	21.96	22.55	22.25	0-2	2
		1	36	22.50	22.72	22.27	0-2	2
		1	74	22.28	22.53	22.17	0-2	2
		36	0	21.05	21.22	21.07	0-3	3
	256QAM	36	18	21.24	21.37	21.17	0-3	3
		36	39	21.12	21.23	21.12	0-3	3
		75	0	21.17	21.31	21.14	0-3	3
		1	0	18.90	19.12	19.19	0-5	5
		1	36	19.37	19.56	19.09	0-5	5
		1	74	19.04	19.24	18.87	0-5	5
		36	0	19.07	19.27	19.07	0-5	5
		36	18	19.19	19.35	19.11	0-5	5
		36	39	19.20	19.26	19.17	0-5	5
		75	0	19.14	19.32	19.09	0-5	5

LTE Band 25 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26140 Ch. 1860 MHz	26365 Ch. 1882.5 MHz	26590 Ch. 1905 MHz		
20 MHz	QPSK	1	0	24.26	24.57	24.46	0	0
		1	49	24.50	24.49	24.07	0	0
		1	99	24.55	24.33	24.28	0	0
		50	0	23.15	23.36	23.23	0-1	1
		50	25	23.31	23.37	23.16	0-1	1
		50	49	23.29	23.26	23.10	0-1	1
		100	0	23.10	23.24	23.15	0-1	1
	16QAM	1	0	23.56	23.49	23.36	0-1	1
		1	49	23.76	23.96	23.32	0-1	1
		1	99	23.48	23.53	23.19	0-1	1
		50	0	22.17	22.35	22.24	0-2	2
		50	25	22.22	22.37	22.13	0-2	2
		50	49	22.25	22.24	22.06	0-2	2
		100	0	22.13	22.21	22.13	0-2	2
	64QAM	1	0	22.23	22.45	22.35	0-2	2
		1	49	22.45	22.67	22.33	0-2	2
		1	99	22.43	22.43	22.12	0-2	2
		50	0	21.09	21.32	21.22	0-3	3
		50	25	21.26	21.29	21.10	0-3	3
		50	49	21.21	21.24	21.02	0-3	3
		100	0	21.13	21.21	21.13	0-3	3
	256QAM	1	0	18.61	18.79	18.93	0-5	5
		1	49	19.13	19.46	19.39	0-5	5
		1	99	19.03	19.03	19.03	0-5	5
		50	0	18.93	19.30	19.11	0-5	5
		50	25	19.26	19.26	19.19	0-5	5
		50	49	19.18	19.25	19.07	0-5	5
		100	0	19.10	19.21	19.09	0-5	5

[LTE Band 26 Conducted Power DSI=0] [Main Ant1]
LTE Band 26 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26697 Ch. 814.7 MHz	26865 Ch. 831.5 MHz	27033 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	23.90	23.94	24.41	0	0
		1	3	23.83	24.11	24.61	0	0
		1	5	23.93	24.02	24.50	0	0
		3	0	23.89	23.95	24.53	0	0
		3	1	23.87	24.00	24.51	0	0
		3	3	23.85	23.99	24.54	0	0
		6	0	22.84	23.02	23.40	0-1	1
	16QAM	1	0	23.40	23.43	23.67	0-1	1
		1	3	23.12	23.57	23.88	0-1	1
		1	5	23.10	23.21	23.78	0-1	1
		3	0	22.98	23.20	23.54	0-1	1
		3	1	22.98	23.21	23.57	0-1	1
		3	3	22.88	23.11	23.64	0-1	1
		6	0	21.97	22.05	22.42	0-2	2
	64QAM	1	0	22.02	22.21	22.58	0-2	2
		1	3	21.94	22.33	22.57	0-2	2
		1	5	21.95	22.24	22.42	0-2	2
		3	0	22.05	22.20	22.53	0-2	2
		3	1	21.90	22.17	22.58	0-2	2
		3	3	21.81	22.13	22.54	0-2	2
		6	0	20.83	21.01	21.50	0-3	3
	256QAM	1	0	18.74	18.89	19.32	0-5	5
		1	3	18.70	18.87	19.29	0-5	5
		1	5	18.78	18.94	19.40	0-5	5
		3	0	18.79	18.89	19.39	0-5	5
		3	1	18.81	18.90	19.39	0-5	5
		3	3	18.82	18.93	19.37	0-5	5
		6	0	18.74	18.92	19.37	0-5	5

LTE Band 26 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26705 Ch. 815.5 MHz	26865 Ch. 831.5 MHz	27025 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	23.85	24.02	24.36	0	0
		1	7	23.82	24.09	24.49	0	0
		1	14	23.74	24.03	24.47	0	0
		8	0	22.78	22.97	23.44	0-1	1
		8	3	22.79	22.99	23.51	0-1	1
		8	7	22.90	23.09	23.48	0-1	1
		15	0	22.88	23.03	23.46	0-1	1
	16QAM	1	0	23.07	23.42	23.71	0-1	1
		1	7	23.18	23.43	23.88	0-1	1
		1	14	22.99	23.52	23.83	0-1	1
		8	0	21.76	22.10	22.51	0-2	2
		8	3	21.90	22.07	22.53	0-2	2
		8	7	21.92	22.10	22.56	0-2	2
		15	0	21.88	22.02	22.40	0-2	2
	64QAM	1	0	21.98	22.46	22.59	0-2	2
		1	7	21.93	22.17	22.69	0-2	2
		1	14	21.83	22.28	22.52	0-2	2
		8	0	20.69	20.94	21.41	0-3	3
		8	3	20.81	21.06	21.54	0-3	3
		8	7	20.82	21.13	21.55	0-3	3
		15	0	20.81	21.08	21.43	0-3	3
	256QAM	1	0	18.77	18.99	19.34	0-5	5
		1	7	18.76	18.88	19.38	0-5	5
		1	14	18.82	19.01	19.49	0-5	5
		8	0	18.87	18.94	19.46	0-5	5
		8	3	18.86	18.96	19.42	0-5	5
		8	7	18.86	18.97	19.45	0-5	5
		15	0	18.76	18.99	19.38	0-5	5

LTE Band 26 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26715 Ch. 816.5 MHz	26865 Ch. 831.5 MHz	27015 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	23.66	24.06	24.32	0	0
		1	12	23.90	24.13	24.49	0	0
		1	24	23.80	24.15	24.48	0	0
		12	0	22.75	22.97	23.34	0-1	1
		12	6	22.84	23.07	23.52	0-1	1
		12	11	22.88	23.04	23.49	0-1	1
		25	0	22.80	23.02	23.42	0-1	1
	16QAM	1	0	23.01	23.32	23.83	0-1	1
		1	12	22.99	23.38	23.73	0-1	1
		1	24	22.98	23.52	23.82	0-1	1
		12	0	21.78	21.95	22.42	0-2	2
		12	6	21.90	22.13	22.37	0-2	2
		12	11	21.79	22.10	22.45	0-2	2
		25	0	21.86	21.99	22.39	0-2	2
	64QAM	1	0	21.88	22.16	22.64	0-2	2
		1	12	21.93	22.41	22.66	0-2	2
		1	24	21.96	22.32	22.72	0-2	2
		12	0	20.73	20.97	21.35	0-3	3
		12	6	20.86	21.12	21.50	0-3	3
		12	11	20.79	21.03	21.54	0-3	3
		25	0	20.79	21.05	21.35	0-3	3
	256QAM	1	0	18.75	18.91	19.36	0-5	5
		1	12	18.80	18.89	19.31	0-5	5
		1	24	18.82	19.02	19.50	0-5	5
		12	0	18.87	18.96	19.46	0-5	5
		12	6	18.87	18.96	19.44	0-5	5
		12	11	18.88	18.96	19.41	0-5	5
		25	0	18.84	19.02	19.39	0-5	5

LTE Band 26 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26740 Ch. 819 MHz	26865 Ch. 831.5 MHz	26990 Ch. 844 MHz		
10 MHz	QPSK	1	0	23.88	23.98	24.23	0	0
		1	24	24.05	24.11	24.37	0	0
		1	49	23.87	24.17	24.51	0	0
		25	0	22.73	22.91	23.06	0-1	1
		25	12	22.93	23.03	23.39	0-1	1
		25	24	22.84	23.00	23.39	0-1	1
	16QAM	50	0	22.86	22.97	23.30	0-1	1
		1	0	23.30	23.20	23.56	0-1	1
		1	24	23.34	23.27	23.68	0-1	1
		1	49	23.08	23.46	23.77	0-1	1
		25	0	21.71	21.91	22.22	0-2	2
		25	12	21.89	22.09	22.29	0-2	2
	64QAM	25	24	21.88	21.92	22.40	0-2	2
		50	0	21.85	21.93	22.26	0-2	2
		1	0	21.88	22.24	22.39	0-2	2
		1	24	22.12	22.13	22.55	0-2	2
		1	49	22.03	22.41	22.46	0-2	2
		25	0	20.72	20.85	21.17	0-3	3
	256QAM	25	12	20.90	21.03	21.34	0-3	3
		25	24	20.85	21.08	21.33	0-3	3
		50	0	20.86	21.00	21.30	0-3	3
		1	0	18.78	18.99	19.42	0-5	5
		1	24	18.80	18.93	19.32	0-5	5
		1	49	18.82	18.97	19.46	0-5	5
		25	0	18.83	18.97	19.46	0-5	5
		25	12	18.91	18.91	19.40	0-5	5
		25	24	18.91	19.01	19.41	0-5	5
		50	0	18.75	18.95	19.40	0-5	5

LTE Band 26 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				26865 Ch. 831.5 MHz		
15 MHz	QPSK	1	0	23.94	0	0
		1	36	23.93	0	0
		1	74	24.00	0	0
		36	0	22.68	0-1	1
		36	18	22.88	0-1	1
		36	39	22.86	0-1	1
		75	0	22.84	0-1	1
	16QAM	1	0	23.04	0-1	1
		1	36	23.10	0-1	1
		1	74	23.30	0-1	1
		36	0	21.65	0-2	2
		36	18	21.94	0-2	2
		36	39	21.80	0-2	2
		75	0	21.81	0-2	2
	64QAM	1	0	21.93	0-2	2
		1	36	21.98	0-2	2
		1	74	22.07	0-2	2
		36	0	20.69	0-3	3
		36	18	20.87	0-3	3
		36	39	20.91	0-3	3
		75	0	20.86	0-3	3
	256QAM	1	0	18.93	0-5	5
		1	36	18.88	0-5	5
		1	74	18.99	0-5	5
		36	0	18.94	0-5	5
		36	18	18.96	0-5	5
		36	39	18.98	0-5	5
		75	0	18.98	0-5	5

[LTE Band 41 Conducted Power DSI=0] [Main Ant1] - Power Class 3
LTE Band 41 5 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	23.92	23.91	24.35	24.31	24.24	0	0
		1	12	23.98	24.02	24.41	24.40	24.36	0	0
		1	24	23.95	23.96	24.29	24.30	24.16	0	0
		12	0	23.06	22.89	23.40	23.42	23.33	0-1	1
		12	6	23.04	23.02	23.45	23.45	23.34	0-1	1
		12	11	23.05	22.97	23.39	23.40	23.32	0-1	1
		25	0	23.06	23.01	23.37	23.40	23.27	0-1	1
	16QAM	1	0	23.00	22.86	23.32	23.30	23.16	0-1	1
		1	12	23.00	22.93	23.33	23.35	23.19	0-1	1
		1	24	22.93	22.88	23.25	23.27	23.10	0-1	1
		12	0	22.03	21.88	22.39	22.41	22.30	0-2	2
		12	6	22.02	22.00	22.39	22.37	22.35	0-2	2
		12	11	22.03	21.99	22.41	22.39	22.29	0-2	2
		25	0	22.04	22.00	22.37	22.43	22.32	0-2	2
	64QAM	1	0	22.01	21.99	22.34	22.40	22.32	0-2	2
		1	12	22.15	22.05	22.50	22.42	22.31	0-2	2
		1	24	22.08	21.99	22.33	22.38	22.26	0-2	2
		12	0	21.07	20.93	21.39	21.45	21.30	0-3	3
		12	6	21.04	21.01	21.38	21.43	21.31	0-3	3
		12	11	21.05	21.03	21.41	21.38	21.30	0-3	3
		25	0	21.03	20.98	21.34	21.38	21.34	0-3	3
	256QAM	1	0	18.75	18.82	19.21	19.21	19.28	0-5	5
		1	12	19.06	18.97	19.44	19.37	19.28	0-5	5
		1	24	18.97	18.89	19.28	19.38	19.13	0-5	5
		12	0	19.01	18.91	19.42	19.40	19.36	0-5	5
		12	6	19.07	19.08	19.43	19.43	19.34	0-5	5
		12	11	19.06	19.02	19.39	19.39	19.36	0-5	5
		25	0	19.07	19.00	19.41	19.42	19.32	0-5	5

LTE Band 41 10 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 MHz	QPSK	1	0	24.01	23.67	24.09	24.11	23.90	0	0
		1	24	24.06	23.99	24.40	24.42	24.30	0	0
		1	49	23.99	23.70	24.07	24.10	24.00	0	0
		25	0	23.04	22.82	23.28	23.29	23.20	0-1	1
		25	12	23.08	23.04	23.43	23.42	23.35	0-1	1
		25	24	23.04	22.93	23.33	23.33	23.24	0-1	1
		50	0	22.98	22.97	23.32	23.34	23.27	0-1	1
	16QAM	1	0	22.90	22.64	22.96	23.12	22.98	0-1	1
		1	24	22.94	22.95	23.39	23.34	23.26	0-1	1
		1	49	22.88	22.75	23.00	23.00	22.99	0-1	1
		25	0	22.06	21.86	22.24	22.30	22.20	0-2	2
		25	12	22.04	22.00	22.44	22.42	22.36	0-2	2
		25	24	22.04	21.92	22.34	22.35	22.26	0-2	2
		50	0	21.97	21.94	22.34	22.34	22.27	0-2	2
	64QAM	1	0	22.07	21.75	22.12	22.22	22.13	0-2	2
		1	24	22.08	21.99	22.49	22.43	22.35	0-2	2
		1	49	22.07	21.86	22.12	22.17	22.12	0-2	2
		25	0	21.06	20.88	21.26	21.28	21.16	0-3	3
		25	12	21.07	21.02	21.38	21.41	21.36	0-3	3
		25	24	21.01	20.96	21.30	21.33	21.22	0-3	3
		50	0	20.96	20.92	21.31	21.36	21.28	0-3	3
	256QAM	1	0	18.62	18.63	19.04	19.01	18.99	0-5	5
		1	24	18.89	19.01	19.39	19.45	19.43	0-5	5
		1	49	18.69	18.59	18.99	19.12	18.97	0-5	5
		25	0	19.01	18.87	19.31	19.29	19.23	0-5	5
		25	12	19.09	19.08	19.43	19.46	19.37	0-5	5
		25	24	18.99	18.94	19.34	19.36	19.28	0-5	5
		50	0	19.00	18.93	19.35	19.37	19.29	0-5	5

LTE Band 41 _ 15 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 MHz	QPSK	1	0	24.10	23.63	24.13	24.17	23.80	0	0
		1	36	23.98	23.93	24.29	24.33	24.26	0	0
		1	74	23.92	23.64	24.08	23.98	24.13	0	0
		36	0	22.87	22.72	23.12	23.23	23.04	0-1	1
		36	18	22.94	22.87	23.26	23.92	23.21	0-1	1
		36	39	22.91	22.76	23.23	23.17	23.19	0-1	1
		75	0	22.86	22.76	23.19	23.23	23.14	0-1	1
	16QAM	1	0	22.80	22.57	22.95	23.04	22.84	0-1	1
		1	36	22.92	22.83	23.22	23.24	23.18	0-1	1
		1	74	22.92	22.52	22.96	22.93	23.08	0-1	1
		36	0	21.87	21.69	22.14	22.16	22.06	0-2	2
		36	18	21.91	21.85	22.32	22.30	22.24	0-2	2
		36	39	21.92	21.77	22.23	22.16	22.19	0-2	2
		75	0	21.91	21.77	22.21	22.23	22.15	0-2	2
	64QAM	1	0	21.93	21.65	22.05	22.24	21.96	0-2	2
		1	36	22.05	21.96	22.34	22.27	22.19	0-2	2
		1	74	21.98	21.82	22.09	22.11	22.18	0-2	2
		36	0	20.87	20.71	21.11	21.20	21.02	0-3	3
		36	18	20.94	20.85	21.26	21.26	21.19	0-3	3
		36	39	20.91	20.77	21.24	21.16	21.19	0-3	3
		75	0	20.83	20.76	21.22	21.22	21.13	0-3	3
	256QAM	1	0	18.58	18.57	18.90	18.97	18.79	0-5	5
		1	36	19.03	18.80	19.13	19.23	19.28	0-5	5
		1	74	18.73	18.70	18.97	19.03	19.13	0-5	5
		36	0	18.75	18.67	19.10	19.14	18.99	0-5	5
		36	18	18.94	18.84	19.27	19.27	19.18	0-5	5
		36	39	18.89	18.75	19.22	19.14	19.20	0-5	5
		75	0	18.90	18.77	19.20	19.23	19.17	0-5	5

LTE Band 41 20 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	24.06	23.71	23.77	24.02	23.71	0	0
		1	49	24.11	23.89	24.29	24.28	24.20	0	0
		1	99	23.91	23.84	23.93	23.77	24.05	0	0
		50	0	22.87	22.75	23.08	23.16	23.04	0-1	1
		50	25	22.94	22.84	23.28	23.27	23.19	0-1	1
		50	49	22.87	22.82	23.21	23.11	23.17	0-1	1
		100	0	22.87	22.70	23.18	23.17	23.12	0-1	1
	16QAM	1	0	22.89	22.70	22.81	22.87	22.64	0-1	1
		1	49	23.01	22.74	23.28	23.24	23.31	0-1	1
		1	99	22.83	22.79	22.85	22.64	22.97	0-1	1
		50	0	21.87	21.72	22.08	22.17	21.96	0-2	2
		50	25	21.92	21.84	22.26	22.29	22.21	0-2	2
		50	49	21.90	21.79	22.20	22.11	22.19	0-2	2
		100	0	21.85	21.73	22.18	22.18	22.13	0-2	2
	64QAM	1	0	22.05	21.94	21.88	22.13	21.81	0-2	2
		1	49	21.98	21.97	22.32	22.35	22.20	0-2	2
		1	99	21.94	21.89	22.04	21.89	22.06	0-2	2
		50	0	20.88	20.74	21.08	21.14	20.97	0-3	3
		50	25	20.91	20.81	21.28	21.28	21.20	0-3	3
		50	49	20.89	20.80	21.19	21.09	21.15	0-3	3
		100	0	20.82	20.69	21.16	21.16	21.12	0-3	3
	256QAM	1	0	18.33	18.28	18.82	18.83	18.56	0-5	5
		1	49	18.84	18.74	19.28	19.11	19.19	0-5	5
		1	99	18.57	18.33	18.85	18.76	19.01	0-5	5
		50	0	18.72	18.65	19.08	19.15	18.95	0-5	5
		50	25	18.95	18.84	19.29	19.24	19.19	0-5	5
		50	49	18.89	18.73	19.14	19.11	19.14	0-5	5
		100	0	18.86	18.70	19.16	19.16	19.11	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D01v06.

[LTE Band 41 Conducted Power DSI=0] [Main Ant1] - Power Class 2
LTE Band 41 5 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	25.88	26.39	26.41	26.62	25.54	0	0
		1	12	25.97	26.54	26.24	26.32	25.33	0	0
		1	24	25.93	26.41	26.39	26.40	25.54	0	0
		12	0	25.02	25.30	25.45	25.39	24.49	0-1	1
		12	6	25.10	25.43	25.43	25.32	24.45	0-1	1
		12	11	25.11	25.42	25.42	25.30	24.47	0-1	1
		25	0	25.13	25.39	25.45	25.31	24.48	0-1	1
	16QAM	1	0	25.16	25.56	25.71	25.59	24.71	0-1	1
		1	12	25.17	25.71	25.52	25.34	24.63	0-1	1
		1	24	25.25	25.65	25.73	25.48	24.70	0-1	1
		12	0	24.12	24.36	24.55	24.36	23.60	0-2	2
		12	6	24.25	24.51	24.52	24.37	23.55	0-2	2
		12	11	24.24	24.43	24.55	24.35	23.56	0-2	2
		25	0	24.23	24.41	24.53	24.35	23.59	0-2	2
	64QAM	1	0	24.37	24.72	24.94	24.78	23.93	0-2	2
		1	12	24.45	24.73	24.66	24.54	23.71	0-2	2
		1	24	24.49	24.70	24.90	24.69	24.00	0-2	2
		12	0	23.25	23.27	23.62	23.38	22.69	0-3	3
		12	6	23.28	23.52	23.62	23.43	22.61	0-3	3
		12	11	23.35	23.42	23.62	23.38	22.64	0-3	3
		25	0	23.32	23.42	23.62	23.41	22.66	0-3	3
	256QAM	1	0	21.48	21.32	21.84	21.83	21.80	0-5	5
		1	12	21.61	21.57	21.93	22.01	21.77	0-5	5
		1	24	21.48	21.44	21.85	21.81	21.81	0-5	5
		12	0	21.45	21.36	21.83	21.82	21.73	0-5	5
		12	6	21.50	21.46	21.90	21.84	21.69	0-5	5
		12	11	21.46	21.42	21.82	21.82	21.73	0-5	5
		25	0	21.48	21.42	21.78	21.80	21.74	0-5	5

LTE Band 41 _ 10 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 MHz	QPSK	1	0	26.09	26.17	26.55	26.57	25.63	0	0
		1	24	26.11	26.47	26.34	26.22	25.20	0	0
		1	49	26.14	26.22	26.57	26.43	25.56	0	0
		25	0	25.46	25.26	25.59	25.46	24.58	0-1	1
		25	12	25.23	25.44	25.51	25.34	24.48	0-1	1
		25	24	25.27	25.32	25.57	25.39	24.60	0-1	1
		50	0	25.30	25.36	25.58	25.40	24.60	0-1	1
	16QAM	1	0	25.12	25.37	25.77	25.68	24.88	0-1	1
		1	24	25.24	25.61	25.52	25.38	24.50	0-1	1
		1	49	25.31	25.40	25.81	25.62	24.88	0-1	1
		25	0	24.20	24.29	24.64	24.49	23.68	0-2	2
		25	12	24.28	24.41	24.59	24.37	23.58	0-2	2
		25	24	24.33	24.38	24.66	24.45	23.74	0-2	2
		50	0	24.35	24.36	24.66	24.46	23.71	0-2	2
	64QAM	1	0	24.30	24.33	24.88	24.87	24.16	0-2	2
		1	24	24.45	24.78	24.74	24.58	23.79	0-2	2
		1	49	24.49	24.50	24.78	24.84	24.16	0-2	2
		25	0	23.26	23.26	23.66	23.53	22.76	0-3	3
		25	12	23.37	23.46	23.63	23.44	22.66	0-3	3
		25	24	23.41	23.36	23.71	23.53	22.81	0-3	3
		50	0	23.40	23.34	23.73	23.53	22.81	0-3	3
	256QAM	1	0	21.22	21.16	21.64	21.64	21.61	0-5	5
		1	24	21.65	21.54	21.92	21.97	21.58	0-5	5
		1	49	21.28	21.25	21.64	21.63	21.61	0-5	5
		25	0	21.41	21.26	21.69	21.68	21.63	0-5	5
		25	12	21.50	21.45	21.81	21.84	21.79	0-5	5
		25	24	21.37	21.34	21.74	21.70	21.69	0-5	5
		50	0	21.39	21.34	21.77	21.74	21.70	0-5	5

LTE Band 41 _ 15 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 MHz	QPSK	1	0	25.96	26.07	26.54	26.43	25.78	0	0
		1	36	26.05	26.24	26.27	26.12	25.26	0	0
		1	74	26.18	26.17	26.49	26.22	25.58	0	0
		36	0	25.09	25.09	25.50	25.33	24.59	0-1	1
		36	18	25.16	25.24	25.41	25.24	24.45	0-1	1
		36	39	25.24	25.18	25.50	25.28	24.59	0-1	1
		75	0	25.21	25.16	25.47	25.29	24.57	0-1	1
	16QAM	1	0	24.98	25.19	25.69	25.56	24.96	0-1	1
		1	36	25.13	25.44	25.45	25.25	24.46	0-1	1
		1	74	25.36	25.18	25.66	25.38	24.81	0-1	1
		36	0	24.06	24.11	24.56	24.38	23.64	0-2	2
		36	18	24.19	24.28	24.47	24.30	23.51	0-2	2
		36	39	24.27	24.17	24.57	24.35	23.67	0-2	2
		75	0	24.26	24.14	24.54	24.34	23.63	0-2	2
	64QAM	1	0	24.12	24.26	24.77	24.77	24.20	0-2	2
		1	36	24.38	24.49	24.72	24.45	23.61	0-2	2
		1	74	24.51	24.41	24.80	24.68	24.06	0-2	2
		36	0	23.12	23.14	23.57	23.43	22.73	0-3	3
		36	18	23.23	23.22	23.55	23.35	22.59	0-3	3
		36	39	23.35	23.16	23.63	23.40	22.74	0-3	3
		75	0	23.29	23.19	23.63	23.40	22.73	0-3	3
	256QAM	1	0	21.20	20.88	21.54	21.66	21.31	0-5	5
		1	36	21.52	21.41	21.88	21.90	21.73	0-5	5
		1	74	21.35	21.18	21.60	21.44	21.72	0-5	5
		36	0	21.20	21.12	21.54	21.61	21.42	0-5	5
		36	18	21.35	21.27	21.69	21.68	21.63	0-5	5
		36	39	21.28	21.22	21.69	21.59	21.63	0-5	5
		75	0	21.29	21.16	21.63	21.62	21.59	0-5	5

LTE Band 41 20 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	25.87	26.34	26.42	26.48	25.93	0	0
		1	49	26.06	26.35	26.31	26.14	25.30	0	0
		1	99	26.25	26.31	26.39	26.24	25.65	0	0
		50	0	25.08	25.13	25.46	25.38	24.68	0-1	1
		50	25	25.21	25.22	25.44	25.28	24.52	0-1	1
		50	49	25.28	25.20	25.50	25.27	24.62	0-1	1
		100	0	25.23	25.11	25.49	25.31	24.64	0-1	1
	16QAM	1	0	24.92	25.55	25.47	25.59	25.15	0-1	1
		1	49	25.22	25.54	25.44	25.31	24.52	0-1	1
		1	99	25.40	25.53	25.59	25.52	24.90	0-1	1
		50	0	24.07	24.16	24.51	24.42	23.73	0-2	2
		50	25	24.22	24.28	24.50	24.33	23.58	0-2	2
		50	49	24.29	24.25	24.56	24.33	23.70	0-2	2
		100	0	24.25	24.17	24.56	24.37	23.70	0-2	2
	64QAM	1	0	24.08	24.60	24.60	24.69	24.24	0-2	2
		1	49	24.45	24.64	24.66	24.48	23.75	0-2	2
		1	99	24.55	24.48	24.63	24.45	24.11	0-2	2
		50	0	23.14	23.14	23.51	23.49	22.80	0-3	3
		50	25	23.27	23.25	23.57	23.37	22.66	0-3	3
		50	49	23.32	23.22	23.61	23.40	22.77	0-3	3
		100	0	23.22	23.15	23.58	23.43	22.81	0-3	3
	256QAM	1	0	20.98	20.95	21.35	21.65	21.26	0-5	5
		1	49	21.44	21.37	21.86	21.65	21.70	0-5	5
		1	99	21.16	21.07	21.48	21.35	21.58	0-5	5
		50	0	21.13	21.03	21.50	21.58	21.38	0-5	5
		50	25	21.37	21.26	21.68	21.67	21.62	0-5	5
		50	49	21.29	21.12	21.59	21.52	21.57	0-5	5
		100	0	21.26	21.14	21.57	21.62	21.52	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D01v06.

[LTE Band 66 Conducted Power DSI=0] [Main Ant1]

LTE Band 66 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131979 Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	23.18	23.86	24.04	0	0
		1	3	23.05	23.85	24.07	0	0
		1	5	23.01	23.81	23.96	0	0
		3	0	23.03	23.80	24.03	0	0
		3	1	23.11	23.85	24.02	0	0
		3	3	23.19	23.82	23.92	0	0
		6	0	22.11	22.85	23.05	0-1	1
	16QAM	1	0	22.34	23.15	23.29	0-1	1
		1	3	22.34	23.01	23.11	0-1	1
		1	5	22.22	23.21	23.09	0-1	1
		3	0	22.22	22.95	23.12	0-1	1
		3	1	22.27	22.96	23.12	0-1	1
		3	3	22.26	23.01	23.25	0-1	1
		6	0	21.34	21.86	22.04	0-2	2
	64QAM	1	0	21.50	22.03	22.04	0-2	2
		1	3	21.53	21.93	22.17	0-2	2
		1	5	21.52	22.20	22.15	0-2	2
		3	0	21.47	21.98	22.12	0-2	2
		3	1	21.36	21.90	22.09	0-2	2
		3	3	21.39	21.93	22.06	0-2	2
		6	0	20.42	20.86	21.07	0-3	3
	256QAM	1	0	19.44	18.65	18.89	0-5	5
		1	3	19.51	18.86	18.98	0-5	5
		1	5	19.51	18.97	18.96	0-5	5
		3	0	19.37	18.87	19.04	0-5	5
		3	1	19.42	18.93	18.98	0-5	5
		3	3	19.44	18.83	19.04	0-5	5
		6	0	19.40	18.73	19.01	0-5	5

LTE Band 66 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	23.95	23.76	23.92	0	0
		1	7	23.61	23.87	24.10	0	0
		1	14	23.51	23.74	23.91	0	0
		8	0	22.55	22.86	22.93	0-1	1
		8	3	22.51	22.92	23.02	0-1	1
		8	7	22.47	22.86	23.03	0-1	1
		15	0	22.42	22.88	22.97	0-1	1
	16QAM	1	0	22.47	23.15	23.25	0-1	1
		1	7	22.52	23.18	23.35	0-1	1
		1	14	22.50	23.00	23.11	0-1	1
		8	0	21.51	21.88	22.03	0-2	2
		8	3	21.51	21.96	22.05	0-2	2
		8	7	21.48	21.91	22.03	0-2	2
		15	0	21.45	21.91	21.96	0-2	2
	64QAM	1	0	21.58	21.95	22.06	0-2	2
		1	7	21.64	22.11	22.13	0-2	2
		1	14	21.60	21.88	22.19	0-2	2
		8	0	20.52	20.85	20.93	0-3	3
		8	3	20.54	20.91	20.98	0-3	3
		8	7	20.57	20.78	21.02	0-3	3
		15	0	20.59	20.88	20.93	0-3	3
	256QAM	1	0	19.49	18.90	18.89	0-5	5
		1	7	19.56	18.83	19.12	0-5	5
		1	14	19.33	18.84	18.88	0-5	5
		8	0	19.47	18.82	18.97	0-5	5
		8	3	19.48	18.84	19.04	0-5	5
		8	7	19.41	18.78	18.99	0-5	5
		15	0	19.36	18.82	18.88	0-5	5

LTE Band 66 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322 Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	23.96	23.92	23.96	0	0
		1	12	23.49	23.82	24.19	0	0
		1	24	23.71	23.78	23.88	0	0
		12	0	22.48	22.91	22.97	0-1	1
		12	6	22.42	22.89	23.08	0-1	1
		12	11	22.45	22.86	22.96	0-1	1
		25	0	22.40	22.87	22.92	0-1	1
	16QAM	1	0	22.65	23.15	23.19	0-1	1
		1	12	22.43	23.11	23.31	0-1	1
		1	24	22.72	22.95	23.13	0-1	1
		12	0	21.42	21.94	22.04	0-2	2
		12	6	21.39	21.92	22.03	0-2	2
		12	11	21.50	21.85	22.04	0-2	2
		25	0	21.48	21.83	21.95	0-2	2
	64QAM	1	0	21.70	22.01	22.08	0-2	2
		1	12	21.42	22.07	22.20	0-2	2
		1	24	21.85	21.83	22.09	0-2	2
		12	0	20.49	20.91	20.92	0-3	3
		12	6	20.51	20.91	20.99	0-3	3
		12	11	20.61	20.85	21.06	0-3	3
		25	0	20.59	20.86	20.97	0-3	3
	256QAM	1	0	19.53	18.97	18.94	0-5	5
		1	12	19.65	19.02	19.09	0-5	5
		1	24	19.22	18.77	19.00	0-5	5
		12	0	19.42	18.97	18.93	0-5	5
		12	6	19.47	18.89	19.00	0-5	5
		12	11	19.36	18.82	18.97	0-5	5
		25	0	19.44	18.86	18.92	0-5	5

LTE Band 66 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	23.92	23.64	23.74	0	0
		1	24	23.64	23.83	23.97	0	0
		1	49	24.06	23.62	23.80	0	0
		25	0	22.67	22.84	22.91	0-1	1
		25	12	22.67	22.87	22.97	0-1	1
		25	24	22.88	22.84	22.97	0-1	1
		50	0	22.71	22.82	22.86	0-1	1
	16QAM	1	0	22.81	22.79	23.00	0-1	1
		1	24	22.53	23.11	23.24	0-1	1
		1	49	23.17	22.91	22.89	0-1	1
		25	0	21.59	21.87	21.85	0-2	2
		25	12	21.64	21.90	21.98	0-2	2
		25	24	21.89	21.76	22.06	0-2	2
		50	0	21.75	21.84	21.89	0-2	2
	64QAM	1	0	21.78	21.72	21.68	0-2	2
		1	24	21.63	22.05	22.17	0-2	2
		1	49	22.31	21.77	21.84	0-2	2
		25	0	20.67	20.76	20.91	0-3	3
		25	12	20.71	20.93	21.02	0-3	3
		25	24	20.99	20.81	21.06	0-3	3
		50	0	20.86	20.84	20.90	0-3	3
	256QAM	1	0	19.22	18.65	18.79	0-5	5
		1	24	19.59	19.16	19.09	0-5	5
		1	49	19.03	18.70	18.83	0-5	5
		25	0	19.34	18.76	18.90	0-5	5
		25	12	19.43	18.91	18.97	0-5	5
		25	24	19.25	18.79	18.97	0-5	5
		50	0	19.26	18.82	18.85	0-5	5

LTE Band 66 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	23.68	23.70	23.82	0	0
		1	36	23.65	23.88	23.96	0	0
		1	74	24.29	23.77	24.07	0	0
		36	0	22.59	22.87	22.80	0-1	1
		36	18	22.69	22.77	22.80	0-1	1
		36	39	23.01	22.74	22.86	0-1	1
		75	0	22.73	22.80	22.78	0-1	1
	16QAM	1	0	22.62	22.83	22.86	0-1	1
		1	36	22.66	23.02	23.20	0-1	1
		1	74	23.21	22.75	23.16	0-1	1
		36	0	21.56	21.77	21.72	0-2	2
		36	18	21.68	21.80	21.80	0-2	2
		36	39	22.04	21.75	21.86	0-2	2
		75	0	21.81	21.73	21.74	0-2	2
	64QAM	1	0	21.73	21.87	22.37	0-2	2
		1	36	21.81	22.02	22.20	0-2	2
		1	74	22.33	21.59	22.07	0-2	2
		36	0	20.65	20.79	20.83	0-3	3
		36	18	20.78	20.72	20.70	0-3	3
		36	39	21.17	20.69	20.81	0-3	3
		75	0	20.93	20.76	20.74	0-3	3
	256QAM	1	0	19.40	18.76	18.72	0-5	5
		1	36	19.46	18.95	18.82	0-5	5
		1	74	19.16	18.68	18.83	0-5	5
		36	0	19.18	18.71	18.74	0-5	5
		36	18	19.31	18.70	18.86	0-5	5
		36	39	19.19	18.69	18.80	0-5	5
		75	0	19.11	18.74	18.72	0-5	5

LTE Band 66 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	23.71	23.54	23.87	0	0
		1	49	23.91	23.65	23.77	0	0
		1	99	24.03	23.57	24.16	0	0
		50	0	22.78	22.75	22.80	0-1	1
		50	25	23.01	22.71	22.88	0-1	1
		50	49	23.08	22.71	22.82	0-1	1
		100	0	23.01	22.75	22.73	0-1	1
	16QAM	1	0	22.64	22.77	22.87	0-1	1
		1	49	22.94	22.96	23.11	0-1	1
		1	99	22.98	22.58	23.04	0-1	1
		50	0	21.76	21.81	21.68	0-2	2
		50	25	22.00	21.74	21.77	0-2	2
		50	49	22.09	21.75	21.84	0-2	2
		100	0	22.08	21.76	21.67	0-2	2
	64QAM	1	0	21.73	21.81	21.98	0-2	2
		1	49	22.06	21.86	22.12	0-2	2
		1	99	22.04	21.53	21.93	0-2	2
		50	0	20.85	20.73	20.67	0-3	3
		50	25	21.13	20.84	20.84	0-3	3
		50	49	21.02	20.67	20.84	0-3	3
		100	0	21.09	20.75	20.70	0-3	3
	256QAM	1	0	19.16	18.62	18.56	0-5	5
		1	49	19.19	18.83	18.84	0-5	5
		1	99	18.92	18.52	18.77	0-5	5
		50	0	19.21	18.75	18.69	0-5	5
		50	25	19.07	18.87	18.85	0-5	5
		50	49	19.07	18.65	18.87	0-5	5
		100	0	19.06	18.67	18.70	0-5	5

[LTE Band 71 Conducted Power DSI=0] [Main Ant1]

LTE Band 71 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133147 Ch. 665.5 MHz	133297 Ch. 680.5 MHz	133447 Ch. 695.5 MHz		
5 MHz	QPSK	1	0	24.17	24.00	24.33	0	0
		1	12	24.23	24.21	24.60	0	0
		1	24	24.20	24.22	24.50	0	0
		12	0	23.15	23.15	23.41	0-1	1
		12	6	23.25	23.24	23.52	0-1	1
		12	11	23.24	23.29	23.61	0-1	1
		25	0	23.21	23.22	23.44	0-1	1
	16QAM	1	0	23.56	23.36	23.66	0-1	1
		1	12	23.70	23.50	23.91	0-1	1
		1	24	23.40	23.41	23.82	0-1	1
		12	0	22.17	22.20	22.50	0-2	2
		12	6	22.31	22.25	22.57	0-2	2
		12	11	22.18	22.31	22.59	0-2	2
		25	0	22.19	22.21	22.49	0-2	2
	64QAM	1	0	22.41	22.18	22.50	0-2	2
		1	12	22.40	22.29	22.69	0-2	2
		1	24	22.45	22.35	22.74	0-2	2
		12	0	21.22	21.19	21.44	0-3	3
		12	6	21.35	21.26	21.47	0-3	3
		12	11	21.23	21.29	21.64	0-3	3
		25	0	21.20	21.19	21.44	0-3	3
	256QAM	1	0	19.12	19.01	19.42	0-5	5
		1	12	19.22	19.42	19.63	0-5	5
		1	24	19.00	19.28	19.66	0-5	5
		12	0	19.06	19.07	19.47	0-5	5
		12	6	19.21	19.18	19.51	0-5	5
		12	11	19.23	19.21	19.55	0-5	5
		25	0	19.13	19.25	19.41	0-5	5

LTE Band 71 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133172 Ch. 668 MHz	133297 Ch. 680.5 MHz	133422 Ch. 693 MHz		
10 MHz	QPSK	1	0	24.10	24.13	24.44	0	0
		1	24	24.23	24.23	24.57	0	0
		1	49	24.22	24.26	24.59	0	0
		25	0	23.18	23.19	23.44	0-1	1
		25	12	23.21	23.21	23.50	0-1	1
		25	24	23.16	23.17	23.57	0-1	1
		50	0	23.18	23.20	23.49	0-1	1
	16QAM	1	0	23.57	23.34	23.73	0-1	1
		1	24	23.47	23.55	23.89	0-1	1
		1	49	23.37	23.48	23.76	0-1	1
		25	0	22.18	22.19	22.41	0-2	2
		25	12	22.30	22.24	22.50	0-2	2
		25	24	22.16	22.28	22.60	0-2	2
		50	0	22.14	22.14	22.47	0-2	2
	64QAM	1	0	22.25	22.21	22.47	0-2	2
		1	24	22.38	22.30	22.69	0-2	2
		1	49	22.37	22.44	22.71	0-2	2
		25	0	21.13	21.19	21.44	0-3	3
		25	12	21.25	21.26	21.51	0-3	3
		25	24	21.20	21.21	21.50	0-3	3
		50	0	21.18	21.10	21.51	0-3	3
	256QAM	1	0	18.95	19.04	19.04	0-5	5
		1	24	19.15	19.28	19.63	0-5	5
		1	49	19.10	19.15	19.25	0-5	5
		25	0	19.04	19.02	19.30	0-5	5
		25	12	19.24	19.23	19.49	0-5	5
		25	24	19.16	19.22	19.58	0-5	5
		50	0	19.13	19.12	19.46	0-5	5

LTE Band 71 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				133297 Ch. 680.5 MHz		
15 MHz	QPSK	1	0	24.22	0	0
		1	36	24.16	0	0
		1	74	23.95	0	0
		36	0	23.10	0-1	1
		36	18	23.11	0-1	1
		36	39	23.15	0-1	1
		75	0	23.09	0-1	1
	16QAM	1	0	23.42	0-1	1
		1	36	23.18	0-1	1
		1	74	23.48	0-1	1
		36	0	22.12	0-2	2
		36	18	22.16	0-2	2
		36	39	22.22	0-2	2
		75	0	22.13	0-2	2
	64QAM	1	0	22.19	0-2	2
		1	36	22.34	0-2	2
		1	74	22.29	0-2	2
		36	0	21.05	0-3	3
		36	18	21.13	0-3	3
		36	39	21.10	0-3	3
		75	0	21.10	0-3	3
	256QAM	1	0	18.89	0-5	5
		1	36	19.15	0-5	5
		1	74	19.11	0-5	5
		36	0	18.91	0-5	5
		36	18	19.08	0-5	5
		36	39	19.10	0-5	5
		75	0	19.00	0-5	5

LTE Band 71 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				133297 Ch. 680.5 MHz		
20 MHz	QPSK	1	0	23.89	0	0
		1	49	24.01	0	0
		1	99	24.57	0	0
		50	0	23.09	0-1	1
		50	25	23.18	0-1	1
		50	49	23.11	0-1	1
		100	0	23.04	0-1	1
	16QAM	1	0	23.30	0-1	1
		1	49	23.37	0-1	1
		1	99	23.41	0-1	1
		50	0	22.11	0-2	2
		50	25	22.14	0-2	2
		50	49	22.17	0-2	2
		100	0	22.01	0-2	2
	64QAM	1	0	22.09	0-2	2
		1	49	22.26	0-2	2
		1	99	22.32	0-2	2
		50	0	21.13	0-3	3
		50	25	21.13	0-3	3
		50	49	21.20	0-3	3
		100	0	21.15	0-3	3
	256QAM	1	0	18.67	0-5	5
		1	49	19.17	0-5	5
		1	99	19.11	0-5	5
		50	0	18.86	0-5	5
		50	25	19.10	0-5	5
		50	49	19.24	0-5	5
		100	0	18.98	0-5	5

The EUT enables maximum power reduction in accordance with 3GPP 36.101. The MPR settings are configured during the manufacture process and are not configurable by the network, carrier, or end user.

11.4.2 LTE Reduced Conducted Power (Grip activated)

[LTE Band 2 Conducted Power_ Grip activated DSI=1] [Main Ant1]

LTE Band 2 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	12.73	13.24	12.77	0	0
		1	3	12.78	13.00	12.81	0	0
		1	5	12.73	12.94	12.73	0	0
		3	0	12.85	13.00	12.79	0	0
		3	1	12.74	13.12	12.83	0	0
		3	3	12.84	13.02	12.75	0	0
	16QAM	6	0	12.74	12.98	12.76	0-1	0
		1	0	13.04	13.17	12.94	0-1	0
		1	3	13.08	13.26	13.05	0-1	0
		1	5	12.97	13.11	13.10	0-1	0
		3	0	12.85	13.16	12.91	0-1	0
		3	1	12.85	13.15	12.92	0-1	0
	64QAM	3	3	12.81	13.11	12.80	0-1	0
		6	0	12.86	13.01	12.90	0-2	0
		1	0	12.95	13.17	12.90	0-2	0
		1	3	12.97	13.18	12.97	0-2	0
		1	5	12.90	13.03	12.84	0-2	0
		3	0	12.87	13.07	12.87	0-2	0
	256QAM	3	1	12.86	13.07	12.91	0-2	0
		3	3	12.86	13.20	12.87	0-2	0
		6	0	12.74	13.01	12.81	0-3	0
		1	0	12.77	13.04	12.81	0-5	0
		1	3	12.80	13.07	12.80	0-5	0
		1	5	12.72	12.99	12.82	0-5	0
		3	0	12.73	13.03	12.83	0-5	0
		3	1	12.79	12.96	12.84	0-5	0
		3	3	12.71	13.00	12.80	0-5	0
		6	0	12.68	12.89	12.77	0-5	0

LTE Band 2 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	12.71	12.98	12.96	0	0
		1	7	12.81	13.00	12.90	0	0
		1	14	12.62	12.90	12.65	0	0
		8	0	12.77	13.02	12.80	0-1	0
		8	3	12.86	13.00	12.88	0-1	0
		8	7	12.77	13.07	12.78	0-1	0
	16QAM	15	0	12.83	13.00	12.85	0-1	0
		1	0	13.20	13.16	13.02	0-1	0
		1	7	13.14	13.40	13.11	0-1	0
		1	14	12.82	13.10	12.98	0-1	0
		8	0	12.85	13.03	12.86	0-2	0
		8	3	12.88	13.04	12.91	0-2	0
	64QAM	8	7	12.80	13.12	12.82	0-2	0
		15	0	12.85	12.97	12.82	0-2	0
		1	0	12.99	13.10	12.84	0-2	0
		1	7	12.86	13.30	12.97	0-2	0
		1	14	12.77	12.99	12.89	0-2	0
		8	0	12.86	13.00	12.84	0-3	0
	256QAM	8	3	12.85	13.05	12.85	0-3	0
		8	7	12.85	13.13	12.78	0-3	0
		15	0	12.78	13.01	12.83	0-3	0
		1	0	12.76	13.10	12.74	0-5	0
		1	7	12.87	13.33	12.84	0-5	0
		1	14	12.71	12.95	12.82	0-5	0
		8	0	12.77	12.98	12.87	0-5	0
		8	3	12.79	13.05	12.86	0-5	0
		8	7	12.79	13.01	12.73	0-5	0
		15	0	12.76	12.96	12.82	0-5	0

LTE Band 2_ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	12.66	12.98	12.80	0	0
		1	12	12.84	13.17	12.86	0	0
		1	24	12.69	12.89	12.64	0	0
		12	0	12.75	12.97	12.81	0-1	0
		12	6	12.83	13.08	12.85	0-1	0
		12	11	12.76	12.96	12.76	0-1	0
		25	0	12.75	12.97	12.80	0-1	0
	16QAM	1	0	12.70	13.12	13.04	0-1	0
		1	12	13.20	13.41	13.02	0-1	0
		1	24	12.74	13.15	13.08	0-1	0
		12	0	12.79	13.02	12.89	0-2	0
		12	6	12.89	13.04	12.94	0-2	0
		12	11	12.85	13.07	12.90	0-2	0
		25	0	12.78	12.98	12.86	0-2	0
	64QAM	1	0	12.88	13.14	12.82	0-2	0
		1	12	12.98	13.17	12.99	0-2	0
		1	24	12.76	13.11	12.85	0-2	0
		12	0	12.74	13.00	12.86	0-3	0
		12	6	12.93	13.07	12.91	0-3	0
		12	11	12.84	12.98	12.80	0-3	0
		25	0	12.86	13.00	12.84	0-3	0
	256QAM	1	0	12.64	12.81	12.79	0-5	0
		1	12	12.78	13.09	12.87	0-5	0
		1	24	12.81	13.07	12.77	0-5	0
		12	0	12.68	12.94	12.83	0-5	0
		12	6	12.81	13.00	12.89	0-5	0
		12	11	12.69	13.02	12.72	0-5	0
		25	0	12.76	12.96	12.82	0-5	0

LTE Band 2 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	12.84	13.14	12.85	0	0
		1	24	13.05	13.05	12.86	0	0
		1	49	12.58	12.74	12.81	0	0
		25	0	12.61	12.85	12.69	0-1	0
		25	12	12.84	13.05	12.89	0-1	0
		25	24	12.76	12.94	12.81	0-1	0
		50	0	12.76	12.88	12.75	0-1	0
	16QAM	1	0	12.57	12.84	13.04	0-1	0
		1	24	13.06	13.25	12.95	0-1	0
		1	49	12.98	12.97	13.14	0-1	0
		25	0	12.73	12.89	12.77	0-2	0
		25	12	12.90	13.02	12.86	0-2	0
		25	24	12.73	13.02	12.80	0-2	0
		50	0	12.72	12.87	12.73	0-2	0
	64QAM	1	0	12.52	12.85	13.02	0-2	0
		1	24	12.94	13.38	13.11	0-2	0
		1	49	12.68	12.89	13.00	0-2	0
		25	0	12.65	12.86	12.75	0-3	0
		25	12	12.86	12.99	12.91	0-3	0
		25	24	12.77	13.03	12.71	0-3	0
		50	0	12.78	12.91	12.79	0-3	0
	256QAM	1	0	12.34	12.55	12.55	0-5	0
		1	24	12.88	13.02	12.92	0-5	0
		1	49	12.73	12.75	12.48	0-5	0
		25	0	12.62	12.84	12.69	0-5	0
		25	12	12.78	13.05	12.80	0-5	0
		25	24	12.79	13.00	12.75	0-5	0
		50	0	12.70	12.86	12.72	0-5	0

LTE Band 2 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	12.38	12.93	12.81	0	0
		1	36	12.57	12.95	12.69	0	0
		1	74	12.67	12.84	12.75	0	0
		36	0	12.51	12.75	12.56	0-1	0
		36	18	12.63	12.84	12.68	0-1	0
		36	39	12.70	12.89	12.61	0-1	0
		75	0	12.61	12.76	12.61	0-1	0
	16QAM	1	0	12.50	13.07	12.75	0-1	0
		1	36	13.16	13.04	12.97	0-1	0
		1	74	12.98	12.86	12.78	0-1	0
		36	0	12.52	12.65	12.58	0-2	0
		36	18	12.65	12.86	12.73	0-2	0
		36	39	12.73	12.89	12.67	0-2	0
		75	0	12.64	12.79	12.65	0-2	0
	64QAM	1	0	12.50	12.89	12.87	0-2	0
		1	36	12.87	12.95	12.72	0-2	0
		1	74	12.75	12.93	12.72	0-2	0
		36	0	12.45	12.80	12.65	0-3	0
		36	18	12.70	12.84	12.67	0-3	0
		36	39	12.69	12.95	12.71	0-3	0
		75	0	12.68	12.80	12.69	0-3	0
	256QAM	1	0	12.38	12.63	12.66	0-5	0
		1	36	12.89	12.95	12.75	0-5	0
		1	74	12.75	12.87	12.52	0-5	0
		36	0	12.48	12.72	12.56	0-5	0
		36	18	12.64	12.81	12.74	0-5	0
		36	39	12.69	12.79	12.56	0-5	0
		75	0	12.62	12.74	12.67	0-5	0

LTE Band 2 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	12.57	12.73	12.75	0	0
		1	49	12.80	12.90	12.69	0	0
		1	99	12.92	12.89	12.58	0	0
		50	0	12.50	12.65	12.53	0-1	0
		50	25	12.70	12.87	12.64	0-1	0
		50	49	12.71	12.85	12.64	0-1	0
		100	0	12.62	12.75	12.59	0-1	0
	16QAM	1	0	12.69	12.87	12.90	0-1	0
		1	49	12.91	13.18	12.88	0-1	0
		1	99	13.33	12.87	12.76	0-1	0
		50	0	12.49	12.67	12.54	0-2	0
		50	25	12.71	12.87	12.74	0-2	0
		50	49	12.72	12.93	12.69	0-2	0
		100	0	12.63	12.64	12.65	0-2	0
	64QAM	1	0	12.66	12.88	12.75	0-2	0
		1	49	12.83	13.21	12.88	0-2	0
		1	99	12.86	12.98	12.64	0-2	0
		50	0	12.53	12.67	12.59	0-3	0
		50	25	12.67	12.83	12.64	0-3	0
		50	49	12.65	12.86	12.72	0-3	0
		100	0	12.70	12.79	12.63	0-3	0
	256QAM	1	0	12.31	12.47	12.54	0-5	0
		1	49	12.67	12.93	12.71	0-5	0
		1	99	12.61	12.69	12.52	0-5	0
		50	0	12.42	12.65	12.55	0-5	0
		50	25	12.66	12.73	12.69	0-5	0
		50	49	12.63	12.86	12.59	0-5	0
		100	0	12.56	12.69	12.67	0-5	0

[LTE Band 4 Conducted Power_ Grip activated DSI=1] [Main Ant1]

LTE Band 4 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19957 Ch. 1710.7 MHz	20175 Ch. 1732.5 MHz	20393 Ch. 1754.3 MHz		
1.4 MHz	QPSK	1	0	13.15	12.49	12.78	0	0
		1	3	13.04	12.42	12.60	0	0
		1	5	12.89	12.47	12.60	0	0
		3	0	13.05	12.50	12.55	0	0
		3	1	13.04	12.52	12.67	0	0
		3	3	12.95	12.47	12.61	0	0
		6	0	12.90	12.47	12.59	0-1	0
	16QAM	1	0	13.04	12.68	12.88	0-1	0
		1	3	13.51	12.90	12.90	0-1	0
		1	5	13.07	12.71	12.83	0-1	0
		3	0	13.17	12.60	12.75	0-1	0
		3	1	13.18	12.58	12.74	0-1	0
		3	3	13.17	12.57	12.70	0-1	0
		6	0	12.99	12.49	12.73	0-2	0
	64QAM	1	0	13.18	12.71	12.78	0-2	0
		1	3	13.24	12.61	12.65	0-2	0
		1	5	13.07	12.48	12.69	0-2	0
		3	0	13.11	12.52	12.73	0-2	0
		3	1	13.17	12.59	12.70	0-2	0
		3	3	13.12	12.58	12.70	0-2	0
		6	0	13.05	12.52	12.64	0-3	0
	256QAM	1	0	13.07	12.55	12.68	0-5	0
		1	3	13.23	12.39	12.76	0-5	0
		1	5	13.00	12.58	12.63	0-5	0
		3	0	13.16	12.53	12.68	0-5	0
		3	1	12.97	12.51	12.66	0-5	0
		3	3	13.01	12.50	12.64	0-5	0
		6	0	12.95	12.45	12.61	0-5	0

LTE Band 4 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19965 Ch. 1711.5 MHz	20175 Ch. 1732.5 MHz	20385 Ch. 1753.5 MHz		
3 MHz	QPSK	1	0	12.90	12.36	12.56	0	0
		1	7	13.07	12.41	12.63	0	0
		1	14	12.83	12.39	12.49	0	0
		8	0	13.04	12.50	12.59	0-1	0
		8	3	13.05	12.52	12.58	0-1	0
		8	7	12.96	12.42	12.65	0-1	0
		15	0	12.92	12.46	12.59	0-1	0
	16QAM	1	0	13.21	12.82	12.69	0-1	0
		1	7	13.36	12.67	12.97	0-1	0
		1	14	13.06	12.62	12.86	0-1	0
		8	0	13.13	12.60	12.61	0-2	0
		8	3	13.16	12.62	12.63	0-2	0
		8	7	13.00	12.52	12.69	0-2	0
		15	0	13.05	12.46	12.63	0-2	0
	64QAM	1	0	13.02	12.64	12.81	0-2	0
		1	7	13.22	12.63	12.86	0-2	0
		1	14	13.00	12.51	12.76	0-2	0
		8	0	13.13	12.50	12.73	0-3	0
		8	3	13.11	12.60	12.68	0-3	0
		8	7	12.93	12.48	12.71	0-3	0
		15	0	13.00	12.47	12.67	0-3	0
	256QAM	1	0	13.13	12.60	12.52	0-5	0
		1	7	13.21	12.61	12.79	0-5	0
		1	14	12.95	12.36	12.61	0-5	0
		8	0	13.06	12.52	12.59	0-5	0
		8	3	13.15	12.54	12.58	0-5	0
		8	7	12.93	12.41	12.63	0-5	0
		15	0	13.03	12.50	12.55	0-5	0

LTE Band 4 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				19975 Ch. 1712.5 MHz	20175 Ch. 1732.5 MHz	20375 Ch. 1752.5 MHz		
5 MHz	QPSK	1	0	12.92	12.32	12.67	0	0
		1	12	13.03	12.46	12.77	0	0
		1	24	12.80	12.35	12.55	0	0
		12	0	12.94	12.49	12.64	0-1	0
		12	6	13.03	12.57	12.59	0-1	0
		12	11	12.87	12.47	12.63	0-1	0
		25	0	12.95	12.49	12.56	0-1	0
	16QAM	1	0	13.05	12.73	12.75	0-1	0
		1	12	13.26	12.78	12.82	0-1	0
		1	24	13.24	12.59	12.82	0-1	0
		12	0	13.14	12.55	12.55	0-2	0
		12	6	13.12	12.60	12.69	0-2	0
		12	11	12.96	12.50	12.67	0-2	0
		25	0	13.03	12.51	12.52	0-2	0
	64QAM	1	0	13.00	12.87	12.66	0-2	0
		1	12	13.21	12.68	12.79	0-2	0
		1	24	12.86	12.54	12.66	0-2	0
		12	0	13.10	12.57	12.61	0-3	0
		12	6	13.09	12.55	12.71	0-3	0
		12	11	12.96	12.51	12.65	0-3	0
		25	0	13.02	12.45	12.55	0-3	0
	256QAM	1	0	13.05	12.53	12.42	0-5	0
		1	12	13.12	12.47	12.67	0-5	0
		1	24	12.85	12.43	12.65	0-5	0
		12	0	13.00	12.46	12.56	0-5	0
		12	6	13.11	12.53	12.64	0-5	0
		12	11	12.93	12.40	12.52	0-5	0
		25	0	12.94	12.39	12.60	0-5	0

LTE Band 4 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20000 Ch. 1715 MHz	20175 Ch. 1732.5 MHz	20350 Ch. 1750 MHz		
10 MHz	QPSK	1	0	12.76	12.44	12.74	0	0
		1	24	12.89	12.53	12.68	0	0
		1	49	12.48	12.24	12.48	0	0
		25	0	12.95	12.43	12.66	0-1	0
		25	12	12.95	12.49	12.69	0-1	0
		25	24	12.78	12.35	12.59	0-1	0
		50	0	12.86	12.45	12.55	0-1	0
	16QAM	1	0	13.16	12.67	12.43	0-1	0
		1	24	13.08	12.78	12.84	0-1	0
		1	49	12.78	12.42	12.47	0-1	0
		25	0	12.92	12.39	12.52	0-2	0
		25	12	12.98	12.57	12.64	0-2	0
		25	24	12.85	12.44	12.62	0-2	0
		50	0	12.75	12.37	12.55	0-2	0
	64QAM	1	0	12.75	12.38	12.42	0-2	0
		1	24	13.14	12.70	12.84	0-2	0
		1	49	12.68	12.42	12.54	0-2	0
		25	0	12.90	12.39	12.46	0-3	0
		25	12	13.00	12.57	12.64	0-3	0
		25	24	12.82	12.47	12.61	0-3	0
		50	0	12.76	12.37	12.55	0-3	0
	256QAM	1	0	12.81	12.37	12.33	0-5	0
		1	24	13.13	12.65	12.80	0-5	0
		1	49	12.54	12.24	12.30	0-5	0
		25	0	12.89	12.38	12.40	0-5	0
		25	12	13.03	12.50	12.59	0-5	0
		25	24	12.79	12.38	12.55	0-5	0
		50	0	12.94	12.29	12.54	0-5	0

LTE Band 4 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20025 Ch. 1717.5 MHz	20175 Ch. 1732.5 MHz	20325 Ch. 1747.5 MHz		
15 MHz	QPSK	1	0	12.57	12.30	12.33	0	0
		1	36	12.79	12.36	12.44	0	0
		1	74	12.34	12.31	12.47	0	0
		36	0	12.73	12.34	12.34	0-1	0
		36	18	12.73	12.36	12.45	0-1	0
		36	39	12.53	12.33	12.39	0-1	0
		75	0	12.71	12.32	12.46	0-1	0
	16QAM	1	0	13.07	12.62	12.28	0-1	0
		1	36	12.91	12.78	12.60	0-1	0
		1	74	12.62	12.59	12.49	0-1	0
		36	0	12.79	12.35	12.31	0-2	0
		36	18	12.77	12.39	12.51	0-2	0
		36	39	12.61	12.40	12.35	0-2	0
		75	0	12.70	12.30	12.43	0-2	0
	64QAM	1	0	12.84	12.49	12.25	0-2	0
		1	36	12.81	12.47	12.59	0-2	0
		1	74	12.67	12.41	12.41	0-2	0
		36	0	12.71	12.43	12.33	0-3	0
		36	18	12.70	12.34	12.50	0-3	0
		36	39	12.57	12.41	12.44	0-3	0
		75	0	12.75	12.31	12.41	0-3	0
	256QAM	1	0	12.83	12.26	12.13	0-5	0
		1	36	12.94	12.45	12.63	0-5	0
		1	74	12.64	12.32	12.44	0-5	0
		36	0	12.76	12.36	12.29	0-5	0
		36	18	12.77	12.38	12.40	0-5	0
		36	39	12.57	12.36	12.47	0-5	0
		75	0	12.78	12.29	12.42	0-5	0

LTE Band 4 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20175 Ch. 1732.5 MHz		
20 MHz	QPSK	1	0	12.19	0	0
		1	49	12.45	0	0
		1	99	12.05	0	0
		50	0	12.30	0-1	0
		50	25	12.36	0-1	0
		50	49	12.28	0-1	0
		100	0	12.36	0-1	0
	16QAM	1	0	12.55	0-1	0
		1	49	12.58	0-1	0
		1	99	12.39	0-1	0
		50	0	12.35	0-2	0
		50	25	12.38	0-2	0
		50	49	12.36	0-2	0
		100	0	12.41	0-2	0
	64QAM	1	0	12.47	0-2	0
		1	49	12.48	0-2	0
		1	99	12.31	0-2	0
		50	0	12.27	0-3	0
		50	25	12.41	0-3	0
		50	49	12.34	0-3	0
		100	0	12.34	0-3	0
	256QAM	1	0	12.32	0-5	0
		1	49	12.47	0-5	0
		1	99	12.30	0-5	0
		50	0	12.35	0-5	0
		50	25	12.43	0-5	0
		50	49	12.34	0-5	0
		100	0	12.37	0-5	0

[LTE Band 5 Conducted Power _ Grip activated DSI=1] [Main Ant1]

LTE Band 5 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20407 Ch. 824.7 MHz	20525 Ch. 836.5 MHz	20643 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	15.30	15.70	15.98	0	0
		1	3	15.35	15.84	15.93	0	0
		1	5	15.37	15.75	15.92	0	0
		3	0	15.35	15.71	15.98	0	0
		3	1	15.34	15.65	15.98	0	0
		3	3	15.38	15.69	15.91	0	0
		6	0	15.35	15.70	15.93	0-1	0
	16QAM	1	0	15.44	15.80	16.18	0-1	0
		1	3	15.72	16.03	16.28	0-1	0
		1	5	15.53	15.97	16.26	0-1	0
		3	0	15.42	15.83	16.08	0-1	0
		3	1	15.47	15.72	16.21	0-1	0
		3	3	15.53	15.78	16.22	0-1	0
		6	0	15.46	15.77	15.96	0-2	0
	64QAM	1	0	15.51	15.78	16.16	0-2	0
		1	3	15.49	15.88	16.20	0-2	0
		1	5	15.57	15.84	16.05	0-2	0
		3	0	15.46	15.79	16.09	0-2	0
		3	1	15.46	15.74	16.02	0-2	0
		3	3	15.44	15.74	16.01	0-2	0
		6	0	15.41	15.71	15.89	0-3	0
	256QAM	1	0	15.39	15.68	16.01	0-5	0
		1	3	15.46	15.79	16.11	0-5	0
		1	5	15.44	15.79	16.07	0-5	0
		3	0	15.41	15.62	15.97	0-5	0
		3	1	15.44	15.76	16.03	0-5	0
		3	3	15.41	15.74	15.93	0-5	0
		6	0	15.36	15.69	15.94	0-5	0

LTE Band 5 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20415 Ch. 825.5 MHz	20525 Ch. 836.5 MHz	20635 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	15.23	15.53	15.97	0	0
		1	7	15.53	15.79	16.04	0	0
		1	14	15.27	15.61	15.91	0	0
		8	0	15.31	15.69	15.89	0-1	0
		8	3	15.40	15.72	15.97	0-1	0
		8	7	15.42	15.76	16.00	0-1	0
		15	0	15.44	15.71	15.96	0-1	0
	16QAM	1	0	15.39	15.92	16.15	0-1	0
		1	7	15.56	16.00	16.24	0-1	0
		1	14	15.69	15.68	16.15	0-1	0
		8	0	15.37	15.71	15.98	0-2	0
		8	3	15.49	15.60	16.07	0-2	0
		8	7	15.43	15.77	16.11	0-2	0
		15	0	15.42	15.65	15.98	0-2	0
	64QAM	1	0	15.48	15.61	15.93	0-2	0
		1	7	15.59	16.16	16.25	0-2	0
		1	14	15.54	15.79	16.09	0-2	0
		8	0	15.40	15.74	15.92	0-3	0
		8	3	15.48	15.68	16.00	0-3	0
		8	7	15.41	15.75	16.12	0-3	0
		15	0	15.38	15.60	15.98	0-3	0
	256QAM	1	0	15.26	15.62	15.87	0-5	0
		1	7	15.48	15.83	15.99	0-5	0
		1	14	15.46	15.62	16.11	0-5	0
		8	0	15.35	15.71	15.94	0-5	0
		8	3	15.41	15.65	15.99	0-5	0
		8	7	15.39	15.74	16.03	0-5	0
		15	0	15.42	15.67	15.92	0-5	0

LTE Band 5 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20425 Ch. 826.5 MHz	20525 Ch. 836.5 MHz	20625 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	15.27	15.57	15.89	0	0
		1	12	15.43	15.81	16.08	0	0
		1	24	15.40	15.67	15.96	0	0
		12	0	15.33	15.67	15.97	0-1	0
		12	6	15.49	15.71	16.00	0-1	0
		12	11	15.45	15.76	15.99	0-1	0
		25	0	15.41	15.67	15.96	0-1	0
	16QAM	1	0	15.47	15.69	16.21	0-1	0
		1	12	15.64	15.98	16.42	0-1	0
		1	24	15.58	15.79	16.28	0-1	0
		12	0	15.42	15.70	15.92	0-2	0
		12	6	15.52	15.73	15.99	0-2	0
		12	11	15.47	15.77	16.08	0-2	0
		25	0	15.46	15.64	15.97	0-2	0
	64QAM	1	0	15.46	15.66	16.12	0-2	0
		1	12	15.66	16.01	16.14	0-2	0
		1	24	15.68	15.88	16.10	0-2	0
		12	0	15.35	15.63	15.92	0-3	0
		12	6	15.49	15.69	16.01	0-3	0
		12	11	15.46	15.72	16.00	0-3	0
		25	0	15.45	15.61	15.95	0-3	0
	256QAM	1	0	15.47	15.70	15.90	0-5	0
		1	12	15.51	15.86	15.99	0-5	0
		1	24	15.45	15.79	15.88	0-5	0
		12	0	15.34	15.65	15.86	0-5	0
		12	6	15.49	15.69	16.01	0-5	0
		12	11	15.41	15.75	16.01	0-5	0
		25	0	15.41	15.62	15.94	0-5	0

LTE Band 5 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20525 Ch. 836.5 MHz		
10 MHz	QPSK	1	0	15.59	0	0
		1	24	15.69	0	0
		1	49	15.79	0	0
		25	0	15.66	0-1	0
		25	12	15.75	0-1	0
		25	24	15.83	0-1	0
		50	0	15.54	0-1	0
	16QAM	1	0	15.74	0-1	0
		1	24	16.03	0-1	0
		1	49	15.84	0-1	0
		25	0	15.64	0-2	0
		25	12	15.76	0-2	0
		25	24	15.82	0-2	0
		50	0	15.58	0-2	0
	64QAM	1	0	15.67	0-2	0
		1	24	15.90	0-2	0
		1	49	15.96	0-2	0
		25	0	15.68	0-3	0
		25	12	15.73	0-3	0
		25	24	15.78	0-3	0
		50	0	15.53	0-3	0
	256QAM	1	0	15.27	0-5	0
		1	24	15.94	0-5	0
		1	49	15.79	0-5	0
		25	0	15.53	0-5	0
		25	12	15.66	0-5	0
		25	24	15.73	0-5	0
		50	0	15.59	0-5	0

[LTE Band 7 Conducted Power] Grip activated DSI=1 [Main Ant1]

LTE Band 7 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	10.58	10.42	10.77	0	0
		1	12	10.47	10.49	10.86	0	0
		1	24	10.55	10.48	10.78	0	0
		12	0	10.46	10.46	10.74	0-1	0
		12	6	10.58	10.45	10.68	0-1	0
		12	11	10.53	10.48	10.75	0-1	0
		25	0	10.52	10.46	10.69	0-1	0
	16QAM	1	0	10.73	10.69	11.03	0-1	0
		1	12	10.66	10.75	11.06	0-1	0
		1	24	10.71	10.72	10.93	0-1	0
		12	0	10.59	10.49	10.68	0-2	0
		12	6	10.63	10.55	10.75	0-2	0
		12	11	10.57	10.56	10.80	0-2	0
		25	0	10.51	10.42	10.65	0-2	0
	64QAM	1	0	10.66	10.61	11.01	0-2	0
		1	12	10.65	10.61	10.95	0-2	0
		1	24	10.70	10.66	10.87	0-2	0
		12	0	10.58	10.44	10.70	0-3	0
		12	6	10.58	10.51	10.77	0-3	0
		12	11	10.53	10.53	10.80	0-3	0
		25	0	10.55	10.47	10.72	0-3	0
	256QAM	1	0	10.51	10.47	10.62	0-5	0
		1	12	10.65	10.50	10.94	0-5	0
		1	24	10.42	10.48	10.75	0-5	0
		12	0	10.53	10.47	10.74	0-5	0
		12	6	10.63	10.53	10.83	0-5	0
		12	11	10.51	10.44	10.76	0-5	0
		25	0	10.59	10.43	10.70	0-5	0

LTE Band 7 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	10.59	10.53	10.71	0	0
		1	24	10.51	10.49	10.80	0	0
		1	49	10.56	10.51	10.69	0	0
		25	0	10.60	10.38	10.75	0-1	0
		25	12	10.55	10.51	10.78	0-1	0
		25	24	10.55	10.45	10.80	0-1	0
		50	0	10.43	10.40	10.69	0-1	0
	16QAM	1	0	10.72	10.70	10.92	0-1	0
		1	24	10.82	10.70	11.03	0-1	0
		1	49	10.66	10.67	10.91	0-1	0
		25	0	10.58	10.44	10.76	0-2	0
		25	12	10.63	10.52	10.79	0-2	0
		25	24	10.53	10.51	10.83	0-2	0
		50	0	10.53	10.35	10.73	0-2	0
	64QAM	1	0	10.58	10.66	10.86	0-2	0
		1	24	10.75	10.63	10.94	0-2	0
		1	49	10.74	10.57	11.05	0-2	0
		25	0	10.57	10.42	10.73	0-3	0
		25	12	10.57	10.53	10.90	0-3	0
		25	24	10.58	10.49	10.80	0-3	0
		50	0	10.46	10.43	10.70	0-3	0
	256QAM	1	0	10.26	10.23	10.60	0-5	0
		1	24	10.76	10.54	10.95	0-5	0
		1	49	10.13	10.33	10.55	0-5	0
		25	0	10.51	10.34	10.65	0-5	0
		25	12	10.56	10.48	10.82	0-5	0
		25	24	10.47	10.43	10.78	0-5	0
		50	0	10.48	10.46	10.73	0-5	0

LTE Band 7 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	10.39	10.31	10.59	0	0
		1	36	10.44	10.28	10.61	0	0
		1	74	10.32	10.37	10.72	0	0
		36	0	10.45	10.30	10.57	0-1	0
		36	18	10.48	10.39	10.59	0-1	0
		36	39	10.41	10.40	10.69	0-1	0
		75	0	10.32	10.35	10.54	0-1	0
	16QAM	1	0	10.57	10.50	10.88	0-1	0
		1	36	10.65	10.20	10.81	0-1	0
		1	74	10.63	10.92	11.05	0-1	0
		36	0	10.43	10.32	10.58	0-2	0
		36	18	10.44	10.33	10.62	0-2	0
		36	39	10.46	10.42	10.66	0-2	0
		75	0	10.38	10.29	10.58	0-2	0
	64QAM	1	0	10.55	10.33	10.99	0-2	0
		1	36	10.56	10.43	10.78	0-2	0
		1	74	10.56	10.54	10.70	0-2	0
		36	0	10.51	10.29	10.65	0-3	0
		36	18	10.47	10.39	10.60	0-3	0
		36	39	10.44	10.38	10.68	0-3	0
		75	0	10.43	10.33	10.56	0-3	0
	256QAM	1	0	10.32	10.19	10.55	0-5	0
		1	36	10.62	10.44	10.84	0-5	0
		1	74	10.33	10.38	10.59	0-5	0
		36	0	10.35	10.28	10.57	0-5	0
		36	18	10.47	10.32	10.62	0-5	0
		36	39	10.45	10.34	10.62	0-5	0
		75	0	10.42	10.38	10.59	0-5	0

LTE Band 7 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	10.40	10.21	10.55	0	0
		1	49	10.55	10.42	10.80	0	0
		1	99	10.32	10.53	10.67	0	0
		50	0	10.45	10.29	10.58	0-1	0
		50	25	10.42	10.34	10.61	0-1	0
		50	49	10.43	10.42	10.58	0-1	0
		100	0	10.39	10.24	10.54	0-1	0
	16QAM	1	0	10.65	10.56	10.66	0-1	0
		1	49	10.76	10.86	10.93	0-1	0
		1	99	10.67	10.51	10.88	0-1	0
		50	0	10.39	10.33	10.60	0-2	0
		50	25	10.43	10.36	10.57	0-2	0
		50	49	10.45	10.36	10.64	0-2	0
		100	0	10.36	10.27	10.55	0-2	0
	64QAM	1	0	10.41	10.53	10.70	0-2	0
		1	49	10.59	10.49	10.86	0-2	0
		1	99	10.50	10.45	10.79	0-2	0
		50	0	10.43	10.31	10.58	0-3	0
		50	25	10.41	10.34	10.66	0-3	0
		50	49	10.44	10.45	10.65	0-3	0
		100	0	10.30	10.26	10.59	0-3	0
	256QAM	1	0	10.04	10.17	10.47	0-5	0
		1	49	10.56	10.50	10.64	0-5	0
		1	99	10.29	10.41	10.56	0-5	0
		50	0	10.23	10.24	10.48	0-5	0
		50	25	10.41	10.35	10.58	0-5	0
		50	49	10.42	10.29	10.57	0-5	0
		100	0	10.38	10.33	10.63	0-5	0

[LTE Band 12 Conducted Power_ Grip activated DSI=1] [Main Ant1]

LTE Band 12 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23017 Ch. 699.7 MHz	23095 Ch. 707.5 MHz	23173 Ch. 715.3 MHz		
1.4 MHz	QPSK	1	0	13.90	14.10	14.38	0	0
		1	3	13.94	14.14	14.69	0	0
		1	5	13.82	14.14	14.56	0	0
		3	0	13.93	14.06	14.45	0	0
		3	1	13.90	14.18	14.44	0	0
		3	3	13.89	14.07	14.43	0	0
		6	0	13.94	14.09	14.31	0-1	0
	16QAM	1	0	14.36	14.42	14.58	0-1	0
		1	3	14.32	14.37	14.71	0-1	0
		1	5	14.27	14.29	14.50	0-1	0
		3	0	14.08	14.19	14.44	0-1	0
		3	1	14.09	14.31	14.46	0-1	0
		3	3	14.07	14.29	14.62	0-1	0
		6	0	13.95	14.12	14.44	0-2	0
	64QAM	1	0	13.99	14.23	14.72	0-2	0
		1	3	13.93	14.26	14.43	0-2	0
		1	5	13.99	14.25	14.53	0-2	0
		3	0	14.03	14.25	14.44	0-2	0
		3	1	13.99	14.23	14.48	0-2	0
		3	3	13.99	14.07	14.45	0-2	0
		6	0	13.87	14.18	14.40	0-3	0
	256QAM	1	0	14.00	14.08	14.36	0-5	0
		1	3	14.11	14.26	14.57	0-5	0
		1	5	14.11	14.25	14.44	0-5	0
		3	0	14.03	14.15	14.36	0-5	0
		3	1	14.12	14.08	14.49	0-5	0
		3	3	14.02	14.21	14.51	0-5	0
		6	0	14.05	14.13	14.33	0-5	0

LTE Band 12 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23025 Ch. 700.5 MHz	23095 Ch. 707.5 MHz	23165 Ch. 714.5 MHz		
3 MHz	QPSK	1	0	14.05	14.25	14.39	0	0
		1	7	14.11	14.31	14.52	0	0
		1	14	13.83	14.15	14.42	0	0
		8	0	13.93	14.20	14.41	0-1	0
		8	3	14.06	14.19	14.47	0-1	0
		8	7	13.99	14.24	14.51	0-1	0
		15	0	14.04	14.26	14.39	0-1	0
	16QAM	1	0	14.25	14.22	14.60	0-1	0
		1	7	14.33	14.41	14.70	0-1	0
		1	14	14.11	14.36	14.72	0-1	0
		8	0	13.99	14.26	14.53	0-2	0
		8	3	14.08	14.24	14.53	0-2	0
		8	7	14.05	14.32	14.53	0-2	0
		15	0	14.06	14.22	14.47	0-2	0
	64QAM	1	0	14.14	14.41	14.57	0-2	0
		1	7	14.36	14.51	14.60	0-2	0
		1	14	14.19	14.43	14.50	0-2	0
		8	0	14.07	14.37	14.53	0-3	0
		8	3	14.24	14.26	14.44	0-3	0
		8	7	14.13	14.29	14.55	0-3	0
		15	0	14.14	14.31	14.47	0-3	0
	256QAM	1	0	14.03	14.41	14.52	0-5	0
		1	7	14.30	14.47	14.70	0-5	0
		1	14	14.08	14.43	14.50	0-5	0
		8	0	14.04	14.31	14.47	0-5	0
		8	3	14.06	14.25	14.48	0-5	0
		8	7	14.13	14.30	14.52	0-5	0
		15	0	14.08	14.22	14.45	0-5	0

LTE Band 12_ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23035 Ch. 701.5 MHz	23095 Ch. 707.5 MHz	23155 Ch. 713.5 MHz		
5 MHz	QPSK	1	0	14.21	14.11	14.33	0	0
		1	12	13.98	14.24	14.39	0	0
		1	24	14.04	14.24	14.40	0	0
		12	0	13.99	14.17	14.42	0-1	0
		12	6	14.06	14.17	14.44	0-1	0
		12	11	14.03	14.21	14.41	0-1	0
		25	0	14.02	14.24	14.38	0-1	0
	16QAM	1	0	14.39	14.28	14.64	0-1	0
		1	12	14.18	14.44	14.63	0-1	0
		1	24	14.09	14.53	14.64	0-1	0
		12	0	13.97	14.20	14.41	0-2	0
		12	6	14.12	14.24	14.45	0-2	0
		12	11	14.14	14.26	14.55	0-2	0
		25	0	14.07	14.21	14.43	0-2	0
	64QAM	1	0	14.30	14.37	14.49	0-2	0
		1	12	14.35	14.43	14.69	0-2	0
		1	24	14.21	14.41	14.61	0-2	0
		12	0	14.09	14.21	14.44	0-3	0
		12	6	14.24	14.23	14.48	0-3	0
		12	11	14.16	14.34	14.46	0-3	0
		25	0	14.12	14.30	14.42	0-3	0
	256QAM	1	0	14.06	14.21	14.55	0-5	0
		1	12	14.20	14.43	14.60	0-5	0
		1	24	14.22	14.43	14.47	0-5	0
		12	0	14.06	14.30	14.48	0-5	0
		12	6	14.18	14.33	14.44	0-5	0
		12	11	14.12	14.28	14.53	0-5	0
		25	0	14.15	14.26	14.44	0-5	0

LTE Band 12 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23095 Ch. 707.5 MHz		
10 MHz	QPSK	1	0	13.98	0	0
		1	24	14.27	0	0
		1	49	14.25	0	0
		25	0	14.01	0-1	0
		25	12	14.29	0-1	0
		25	24	14.30	0-1	0
		50	0	14.19	0-1	0
	16QAM	1	0	14.36	0-1	0
		1	24	14.42	0-1	0
		1	49	14.78	0-1	0
		25	0	14.16	0-2	0
		25	12	14.35	0-2	0
		25	24	14.32	0-2	0
		50	0	14.24	0-2	0
	64QAM	1	0	14.24	0-2	0
		1	24	14.41	0-2	0
		1	49	14.66	0-2	0
		25	0	14.17	0-3	0
		25	12	14.30	0-3	0
		25	24	14.37	0-3	0
		50	0	14.28	0-3	0
	256QAM	1	0	14.05	0-5	0
		1	24	14.49	0-5	0
		1	49	14.34	0-5	0
		25	0	14.18	0-5	0
		25	12	14.36	0-5	0
		25	24	14.32	0-5	0
		50	0	14.29	0-5	0

[LTE Band 13 Conducted Power _ Grip activated] DSI=1 [Main Ant1]
LTE Band 13 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23205 779.5 MHz	23230 Ch.782 MHz	23205 784.5 MHz		
5 MHz	QPSK	1	0	13.65	13.66	13.71	0	0
		1	12	13.73	13.74	13.54	0	0
		1	24	13.69	13.63	13.56	0	0
		12	0	13.65	13.70	13.63	0-1	0
		12	6	13.77	13.66	13.74	0-1	0
		12	11	13.71	13.62	13.66	0-1	0
		25	0	13.73	13.69	13.64	0-1	0
	16QAM	1	0	14.15	14.00	14.05	0-1	0
		1	12	14.11	14.01	13.91	0-1	0
		1	24	14.10	13.94	13.70	0-1	0
		12	0	13.63	13.68	13.74	0-2	0
		12	6	13.82	13.70	13.78	0-2	0
		12	11	13.74	13.65	13.70	0-2	0
		25	0	13.71	13.71	13.67	0-2	0
	64QAM	1	0	13.99	14.06	13.96	0-2	0
		1	12	14.17	13.88	13.85	0-2	0
		1	24	14.05	13.87	13.85	0-2	0
		12	0	13.77	13.80	13.80	0-3	0
		12	6	13.96	13.86	13.77	0-3	0
		12	11	13.86	13.82	13.77	0-3	0
		25	0	13.89	13.72	13.81	0-3	0
	256QAM	1	0	13.75	13.75	14.01	0-5	0
		1	12	13.97	13.90	13.98	0-5	0
		1	24	13.95	13.73	13.58	0-5	0
		12	0	13.80	13.81	13.81	0-5	0
		12	6	13.93	13.81	13.87	0-5	0
		12	11	13.85	13.79	13.80	0-5	0
		25	0	13.84	13.72	13.76	0-5	0

LTE Band 13 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23230 Ch. 782 MHz		
10 MHz	QPSK	1	0	13.70	0	0
		1	24	13.71	0	0
		1	49	13.54	0	0
		25	0	13.69	0-1	0
		25	12	13.73	0-1	0
		25	24	13.67	0-1	0
		50	0	13.55	0-1	0
	16QAM	1	0	13.92	0-1	0
		1	24	14.00	0-1	0
		1	49	13.87	0-1	0
		25	0	13.80	0-2	0
		25	12	13.76	0-2	0
		25	24	13.65	0-2	0
		50	0	13.64	0-2	0
	64QAM	1	0	14.02	0-2	0
		1	24	14.02	0-2	0
		1	49	13.86	0-2	0
		25	0	13.81	0-3	0
		25	12	13.82	0-3	0
		25	24	13.80	0-3	0
		50	0	13.84	0-3	0
	256QAM	1	0	13.55	0-5	0
		1	24	13.95	0-5	0
		1	49	13.58	0-5	0
		25	0	13.71	0-5	0
		25	12	13.78	0-5	0
		25	24	13.67	0-5	0
		50	0	13.76	0-5	0

[LTE Band 25 Conducted Power _ Grip activated] DSI=1 [Main Ant1]
LTE Band 25 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26047 Ch. 1850.7 MHz	26365 Ch. 1882.5 MHz	26683 Ch. 1914.3 MHz		
1.4 MHz	QPSK	1	0	12.88	13.17	12.88	0	0
		1	3	12.92	13.30	12.98	0	0
		1	5	13.04	13.26	12.94	0	0
		3	0	12.94	13.25	12.91	0	0
		3	1	12.93	13.31	12.87	0	0
		3	3	13.03	13.22	12.97	0	0
		6	0	13.03	13.18	12.90	0-1	0
	16QAM	1	0	13.10	13.41	13.08	0-1	0
		1	3	13.27	13.35	13.26	0-1	0
		1	5	13.29	13.47	13.22	0-1	0
		3	0	13.08	13.29	13.16	0-1	0
		3	1	13.04	13.36	13.07	0-1	0
		3	3	13.01	13.35	13.11	0-1	0
		6	0	13.08	13.29	13.02	0-2	0
	64QAM	1	0	13.18	13.33	13.04	0-2	0
		1	3	13.10	13.30	13.12	0-2	0
		1	5	13.14	13.34	12.98	0-2	0
		3	0	13.00	13.34	12.98	0-2	0
		3	1	13.06	13.28	13.01	0-2	0
		3	3	13.05	13.35	13.02	0-2	0
		6	0	12.99	13.20	12.97	0-3	0
	256QAM	1	0	12.96	13.08	12.90	0-5	0
		1	3	13.03	13.42	13.02	0-5	0
		1	5	12.98	13.30	12.99	0-5	0
		3	0	12.98	13.19	12.97	0-5	0
		3	1	13.03	13.22	13.05	0-5	0
		3	3	13.03	13.40	12.97	0-5	0
		6	0	12.92	13.14	12.90	0-5	0

LTE Band 25 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26055 Ch. 1851.5 MHz	26365 Ch. 1882.5 MHz	26675 Ch. 1913.5 MHz		
3 MHz	QPSK	1	0	12.78	13.11	12.84	0	0
		1	7	13.05	13.28	13.07	0	0
		1	14	12.93	13.27	12.89	0	0
		8	0	12.98	13.26	12.96	0-1	0
		8	3	12.99	13.21	12.96	0-1	0
		8	7	12.98	13.33	12.92	0-1	0
		15	0	12.98	13.22	12.94	0-1	0
	16QAM	1	0	13.15	13.39	13.14	0-1	0
		1	7	13.29	13.37	13.23	0-1	0
		1	14	13.16	13.48	13.06	0-1	0
		8	0	13.04	13.25	12.98	0-2	0
		8	3	13.05	13.24	13.09	0-2	0
		8	7	13.01	13.36	13.04	0-2	0
		15	0	13.09	13.24	13.05	0-2	0
	64QAM	1	0	12.93	13.33	13.01	0-2	0
		1	7	13.19	13.37	13.05	0-2	0
		1	14	13.16	13.25	13.12	0-2	0
		8	0	13.04	13.27	13.03	0-3	0
		8	3	13.01	13.25	13.04	0-3	0
		8	7	13.05	13.27	13.01	0-3	0
		15	0	13.01	13.18	12.97	0-3	0
	256QAM	1	0	12.88	13.08	12.93	0-5	0
		1	7	12.97	13.38	13.13	0-5	0
		1	14	13.03	13.38	13.17	0-5	0
		8	0	13.01	13.17	12.96	0-5	0
		8	3	13.03	13.25	12.99	0-5	0
		8	7	13.07	13.28	12.95	0-5	0
		15	0	13.01	13.25	12.98	0-5	0

LTE Band 25 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26065 Ch. 1852.5 MHz	26365 Ch. 1882.5 MHz	26665 Ch. 1912.5 MHz		
5 MHz	QPSK	1	0	12.97	13.22	12.93	0	0
		1	12	13.13	13.52	13.02	0	0
		1	24	13.08	13.31	12.97	0	0
		12	0	12.99	13.26	12.94	0-1	0
		12	6	13.12	13.27	12.97	0-1	0
		12	11	13.11	13.26	12.98	0-1	0
		25	0	13.09	13.26	12.96	0-1	0
	16QAM	1	0	13.16	13.41	13.08	0-1	0
		1	12	13.21	13.62	13.23	0-1	0
		1	24	13.32	13.30	13.14	0-1	0
		12	0	12.98	13.13	12.97	0-2	0
		12	6	13.13	13.25	13.05	0-2	0
		12	11	13.15	13.29	13.08	0-2	0
		25	0	13.09	13.22	13.03	0-2	0
	64QAM	1	0	13.12	13.34	13.06	0-2	0
		1	12	13.20	13.42	13.17	0-2	0
		1	24	13.19	13.39	13.14	0-2	0
		12	0	12.94	13.19	12.98	0-3	0
		12	6	13.13	13.32	13.02	0-3	0
		12	11	13.11	13.26	13.05	0-3	0
		25	0	13.02	13.17	13.02	0-3	0
	256QAM	1	0	12.84	13.23	12.75	0-5	0
		1	12	13.16	13.29	13.01	0-5	0
		1	24	13.08	13.27	13.09	0-5	0
		12	0	12.93	13.19	12.97	0-5	0
		12	6	13.03	13.14	13.00	0-5	0
		12	11	12.99	13.29	13.03	0-5	0
		25	0	13.05	13.13	12.99	0-5	0

LTE Band 25_ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			Grip Backoff Power [dBm]	MPR [dB]
				26090 Ch. 1855 MHz	26365 Ch. 1882.5 MHz	26640 Ch. 1910 MHz		
10 MHz	QPSK	1	0	12.87	13.18	13.10	0	0
		1	24	13.12	13.35	13.03	0	0
		1	49	12.95	12.98	12.95	0	0
		25	0	12.94	13.26	12.90	0-1	0
		25	12	13.14	13.25	13.02	0-1	0
		25	24	13.04	13.21	12.98	0-1	0
		50	0	13.03	13.26	12.92	0-1	0
	16QAM	1	0	12.89	13.12	13.09	0-1	0
		1	24	13.13	13.61	13.34	0-1	0
		1	49	12.98	13.15	13.42	0-1	0
		25	0	12.95	13.16	12.89	0-2	0
		25	12	13.14	13.30	13.09	0-2	0
		25	24	13.12	13.20	13.03	0-2	0
		50	0	13.02	13.23	12.98	0-2	0
	64QAM	1	0	12.94	13.23	13.09	0-2	0
		1	24	13.04	13.45	13.02	0-2	0
		1	49	12.93	13.06	13.02	0-2	0
		25	0	12.90	13.19	13.01	0-3	0
		25	12	13.17	13.27	13.00	0-3	0
		25	24	13.08	13.19	13.06	0-3	0
		50	0	13.05	13.21	12.96	0-3	0
	256QAM	1	0	12.72	13.03	12.77	0-5	0
		1	24	13.06	13.35	13.11	0-5	0
		1	49	12.83	12.96	12.77	0-5	0
		25	0	12.92	13.14	12.90	0-5	0
		25	12	13.09	13.22	12.94	0-5	0
		25	24	13.11	13.17	13.00	0-5	0
		50	0	13.01	13.15	12.92	0-5	0

LTE Band 25 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26115 Ch. 1857.5 MHz	26365 Ch. 1882.5 MHz	26615 Ch. 1907.5 MHz		
15 MHz	QPSK	1	0	12.71	13.21	12.94	0	0
		1	36	13.09	13.29	12.95	0	0
		1	74	12.99	13.09	12.81	0	0
		36	0	12.85	13.00	12.90	0-1	0
		36	18	13.09	13.16	12.94	0-1	0
		36	39	12.98	13.11	12.84	0-1	0
		75	0	12.94	13.08	12.95	0-1	0
	16QAM	1	0	12.86	13.22	13.07	0-1	0
		1	36	13.28	13.41	13.38	0-1	0
		1	74	13.45	13.24	13.11	0-1	0
		36	0	12.79	12.98	12.92	0-2	0
		36	18	13.01	13.18	12.95	0-2	0
		36	39	13.06	13.17	12.92	0-2	0
		75	0	12.99	13.09	12.91	0-2	0
	64QAM	1	0	12.74	13.28	13.05	0-2	0
		1	36	13.18	13.34	13.03	0-2	0
		1	74	13.23	13.20	13.14	0-2	0
		36	0	12.81	13.02	12.82	0-3	0
		36	18	13.01	13.19	12.86	0-3	0
		36	39	12.97	13.11	12.86	0-3	0
		75	0	12.98	13.04	12.91	0-3	0
	256QAM	1	0	12.57	12.93	12.84	0-5	0
		1	36	13.11	13.33	13.14	0-5	0
		1	74	12.99	13.00	12.85	0-5	0
		36	0	12.73	13.08	12.88	0-5	0
		36	18	13.04	13.15	12.84	0-5	0
		36	39	13.02	13.09	12.91	0-5	0
		75	0	12.94	13.08	12.85	0-5	0

LTE Band 25 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26140 Ch. 1860 MHz	26365 Ch. 1882.5 MHz	26590 Ch. 1905 MHz		
20 MHz	QPSK	1	0	12.88	13.16	12.95	0	0
		1	49	13.07	13.24	13.13	0	0
		1	99	13.08	13.20	12.94	0	0
		50	0	12.90	13.16	13.01	0-1	0
		50	25	13.09	13.17	12.97	0-1	0
		50	49	13.11	13.15	12.85	0-1	0
		100	0	12.96	13.06	12.86	0-1	0
	16QAM	1	0	12.97	13.28	13.18	0-1	0
		1	49	13.29	13.52	13.21	0-1	0
		1	99	13.31	13.18	13.03	0-1	0
		50	0	12.99	13.20	12.99	0-2	0
		50	25	13.12	13.14	13.01	0-2	0
		50	49	13.13	13.11	12.88	0-2	0
		100	0	12.97	13.04	12.89	0-2	0
	64QAM	1	0	13.00	13.32	13.24	0-2	0
		1	49	13.22	13.42	13.22	0-2	0
		1	99	13.29	13.19	12.99	0-2	0
		50	0	12.93	13.14	13.09	0-3	0
		50	25	13.05	13.08	12.92	0-3	0
		50	49	13.07	13.13	12.88	0-3	0
		100	0	12.91	13.06	12.82	0-3	0
	256QAM	1	0	12.54	12.71	12.67	0-5	0
		1	49	13.12	13.36	12.92	0-5	0
		1	99	12.75	12.84	12.56	0-5	0
		50	0	12.74	12.94	12.77	0-5	0
		50	25	13.03	13.05	12.90	0-5	0
		50	49	13.05	13.04	12.84	0-5	0
		100	0	12.96	13.02	12.88	0-5	0

[LTE Band 26 Conducted Power_ Grip activated] DSI=1 [Main Ant1]
LTE Band 26 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26697 Ch. 814.7 MHz	26865 Ch. 831.5 MHz	27033 Ch. 848.3 MHz		
1.4 MHz	QPSK	1	0	13.24	13.44	13.85	0	0
		1	3	13.28	13.49	14.00	0	0
		1	5	13.25	13.50	13.91	0	0
		3	0	13.34	13.32	13.79	0	0
		3	1	13.35	13.41	13.88	0	0
		3	3	13.29	13.47	13.91	0	0
		6	0	13.32	13.45	13.72	0-1	0
	16QAM	1	0	13.48	13.57	14.08	0-1	0
		1	3	13.55	13.70	14.25	0-1	0
		1	5	13.54	13.76	14.20	0-1	0
		3	0	13.52	13.59	13.92	0-1	0
		3	1	13.48	13.55	14.01	0-1	0
		3	3	13.33	13.53	14.12	0-1	0
		6	0	13.28	13.49	13.98	0-2	0
	64QAM	1	0	13.51	13.78	14.02	0-2	0
		1	3	13.53	13.67	14.18	0-2	0
		1	5	13.53	13.63	14.11	0-2	0
		3	0	13.43	13.66	14.10	0-2	0
		3	1	13.40	13.70	14.06	0-2	0
		3	3	13.39	13.57	14.15	0-2	0
		6	0	13.38	13.62	13.89	0-3	0
	256QAM	1	0	13.65	13.96	14.48	0-5	0
		1	3	13.78	13.99	14.32	0-5	0
		1	5	13.67	14.01	14.55	0-5	0
		3	0	13.82	14.06	14.37	0-5	0
		3	1	13.66	13.99	14.53	0-5	0
		3	3	13.75	13.97	14.58	0-5	0
		6	0	13.88	14.00	14.39	0-5	0

LTE Band 26 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26705 Ch. 815.5 MHz	26865 Ch. 831.5 MHz	27025 Ch. 847.5 MHz		
3 MHz	QPSK	1	0	13.19	13.49	13.86	0	0
		1	7	13.33	13.62	14.05	0	0
		1	14	13.14	13.54	13.85	0	0
		8	0	13.25	13.61	13.85	0-1	0
		8	3	13.37	13.71	13.86	0-1	0
		8	7	13.26	13.67	13.89	0-1	0
		15	0	13.29	13.69	13.81	0-1	0
	16QAM	1	0	13.53	13.91	13.99	0-1	0
		1	7	13.76	14.03	14.33	0-1	0
		1	14	13.40	13.84	14.17	0-1	0
		8	0	13.33	13.69	13.91	0-2	0
		8	3	13.35	13.71	13.95	0-2	0
		8	7	13.33	13.74	14.00	0-2	0
		15	0	13.24	13.68	13.87	0-2	0
	64QAM	1	0	13.43	13.71	13.95	0-2	0
		1	7	13.50	13.74	14.19	0-2	0
		1	14	13.37	13.64	14.04	0-2	0
		8	0	13.21	13.58	13.89	0-3	0
		8	3	13.33	13.69	13.95	0-3	0
		8	7	13.35	13.65	13.88	0-3	0
		15	0	13.30	13.66	13.81	0-3	0
	256QAM	1	0	13.75	13.97	14.54	0-5	0
		1	7	13.82	14.06	14.40	0-5	0
		1	14	13.70	14.09	14.57	0-5	0
		8	0	13.92	14.12	14.45	0-5	0
		8	3	13.69	14.01	14.55	0-5	0
		8	7	13.80	14.05	14.60	0-5	0
		15	0	13.98	14.02	14.45	0-5	0

LTE Band 26 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26715 Ch. 816.5 MHz	26865 Ch. 831.5 MHz	27015 Ch. 846.5 MHz		
5 MHz	QPSK	1	0	13.36	13.65	13.95	0	0
		1	12	13.48	13.65	14.24	0	0
		1	24	13.52	13.71	14.11	0	0
		12	0	13.39	13.57	13.95	0-1	0
		12	6	13.55	13.68	14.02	0-1	0
		12	11	13.46	13.67	14.10	0-1	0
		25	0	13.45	13.64	13.98	0-1	0
	16QAM	1	0	13.78	13.88	14.46	0-1	0
		1	12	13.87	14.01	14.40	0-1	0
		1	24	13.62	14.14	14.42	0-1	0
		12	0	13.35	13.63	14.00	0-2	0
		12	6	13.61	13.68	14.02	0-2	0
		12	11	13.56	13.68	14.11	0-2	0
		25	0	13.47	13.63	13.99	0-2	0
	64QAM	1	0	13.49	13.74	14.12	0-2	0
		1	12	13.59	13.77	14.13	0-2	0
		1	24	13.47	13.81	14.25	0-2	0
		12	0	13.41	13.51	13.98	0-3	0
		12	6	13.49	13.69	14.09	0-3	0
		12	11	13.43	13.68	14.09	0-3	0
		25	0	13.49	13.63	14.02	0-3	0
	256QAM	1	0	13.74	13.98	14.57	0-5	0
		1	12	13.85	14.09	14.34	0-5	0
		1	24	13.73	14.09	14.62	0-5	0
		12	0	13.88	14.10	14.39	0-5	0
		12	6	13.74	14.04	14.63	0-5	0
		12	11	13.76	14.07	14.67	0-5	0
		25	0	13.90	14.06	14.47	0-5	0

LTE Band 26 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26740 Ch. 819 MHz	26865 Ch. 831.5 MHz	26990 Ch. 844 MHz		
10 MHz	QPSK	1	0	13.55	13.56	13.91	0	0
		1	24	13.57	13.70	14.02	0	0
		1	49	13.60	13.72	14.14	0	0
		25	0	13.38	13.47	13.69	0-1	0
		25	12	13.62	13.71	13.93	0-1	0
		25	24	13.55	13.58	13.92	0-1	0
	16QAM	50	0	13.45	13.63	13.96	0-1	0
		1	0	13.91	13.98	14.26	0-1	0
		1	24	13.90	14.09	14.22	0-1	0
		1	49	13.82	14.03	14.21	0-1	0
		25	0	13.40	13.45	13.71	0-2	0
		25	12	13.62	13.70	13.97	0-2	0
	64QAM	25	24	13.47	13.64	14.01	0-2	0
		50	0	13.47	13.56	13.95	0-2	0
		1	0	13.55	13.67	14.04	0-2	0
		1	24	13.61	13.87	14.09	0-2	0
		1	49	13.77	13.68	14.15	0-2	0
		25	0	13.38	13.47	13.70	0-3	0
	256QAM	25	12	13.55	13.70	13.90	0-3	0
		25	24	13.53	13.65	14.04	0-3	0
		50	0	13.46	13.57	13.94	0-3	0
		1	0	13.69	14.00	14.53	0-5	0
		1	24	13.79	14.09	14.40	0-5	0
		1	49	13.69	14.08	14.62	0-5	0
		25	0	13.91	14.11	14.42	0-5	0
		25	12	13.76	14.06	14.54	0-5	0
		25	24	13.80	14.04	14.60	0-5	0
		50	0	13.93	14.03	14.41	0-5	0

LTE Band 26 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				26865 Ch. 831.5 MHz		
15 MHz	QPSK	1	0	13.34	0	0
		1	36	13.55	0	0
		1	74	13.65	0	0
		36	0	13.34	0-1	0
		36	18	13.47	0-1	0
		36	39	13.52	0-1	0
		75	0	13.46	0-1	0
	16QAM	1	0	13.56	0-1	0
		1	36	13.83	0-1	0
		1	74	13.85	0-1	0
		36	0	13.38	0-2	0
		36	18	13.49	0-2	0
		36	39	13.50	0-2	0
		75	0	13.47	0-2	0
	64QAM	1	0	13.49	0-2	0
		1	36	13.57	0-2	0
		1	74	13.87	0-2	0
		36	0	13.36	0-3	0
		36	18	13.54	0-3	0
		36	39	13.52	0-3	0
		75	0	13.47	0-3	0
	256QAM	1	0	14.01	0-5	0
		1	36	14.06	0-5	0
		1	74	14.03	0-5	0
		36	0	14.12	0-5	0
		36	18	14.03	0-5	0
		36	39	14.04	0-5	0
		75	0	14.03	0-5	0

[LTE Band 41 Conducted Power_ Grip activated] - Power Class 3 DSI=1 [Main Ant1]
LTE Band 41 5 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	12.95	12.95	13.19	13.11	13.13	0	0
		1	12	13.10	13.11	13.33	13.14	13.22	0	0
		1	24	12.96	13.00	13.13	13.06	13.07	0	0
		12	0	13.07	12.97	13.28	13.22	13.26	0-1	0
		12	6	13.08	13.08	13.32	13.24	13.23	0-1	0
		12	11	13.08	13.08	13.30	13.24	13.25	0-1	0
		25	0	13.05	12.99	13.30	13.25	13.19	0-1	0
	16QAM	1	0	13.04	12.96	13.17	13.09	13.05	0-1	0
		1	12	13.23	12.99	13.20	13.20	13.18	0-1	0
		1	24	13.02	12.88	13.11	13.09	13.07	0-1	0
		12	0	13.10	13.02	13.25	13.23	13.19	0-2	0
		12	6	13.08	13.10	13.31	13.23	13.25	0-2	0
		12	11	13.13	13.09	13.26	13.25	13.18	0-2	0
		25	0	13.08	12.99	13.29	13.20	13.21	0-2	0
	64QAM	1	0	12.94	13.02	13.29	13.20	13.20	0-2	0
		1	12	13.00	13.11	13.40	13.31	13.29	0-2	0
		1	24	12.98	12.98	13.26	13.19	13.21	0-2	0
		12	0	13.08	12.97	13.27	13.22	13.25	0-3	0
		12	6	13.16	13.09	13.31	13.30	13.25	0-3	0
		12	11	13.02	13.05	13.28	13.25	13.21	0-3	0
		25	0	13.07	13.01	13.30	13.23	13.23	0-3	0
	256QAM	1	0	12.71	12.92	13.00	13.07	13.04	0-5	0
		1	12	12.97	12.87	13.13	13.10	13.16	0-5	0
		1	24	12.92	12.90	13.07	13.01	13.07	0-5	0
		12	0	13.03	12.93	13.24	13.15	13.16	0-5	0
		12	6	13.00	13.07	13.29	13.21	13.17	0-5	0
		12	11	12.97	13.03	13.22	13.14	13.10	0-5	0
		25	0	13.00	13.01	13.18	13.18	13.14	0-5	0

LTE Band 41 _ 10 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 MHz	QPSK	1	0	13.00	12.73	12.93	12.92	13.05	0	0
		1	24	13.07	13.08	13.29	13.24	13.20	0	0
		1	49	13.01	12.78	12.96	12.88	12.84	0	0
		25	0	13.07	12.94	13.18	13.10	13.11	0-1	0
		25	12	13.09	13.04	13.32	13.26	13.26	0-1	0
		25	24	13.11	13.01	13.23	13.15	13.16	0-1	0
		50	0	13.02	12.92	13.22	13.17	13.16	0-1	0
	16QAM	1	0	13.13	12.86	12.90	12.87	12.94	0-1	0
		1	24	13.13	13.10	13.24	13.17	13.19	0-1	0
		1	49	12.96	12.82	12.94	12.85	12.88	0-1	0
		25	0	13.16	12.99	13.19	13.12	13.08	0-2	0
		25	12	13.15	13.04	13.31	13.29	13.27	0-2	0
		25	24	13.19	13.02	13.23	13.18	13.11	0-2	0
		50	0	13.02	12.94	13.20	13.19	13.16	0-2	0
	64QAM	1	0	13.17	12.84	13.01	12.97	12.97	0-2	0
		1	24	13.10	13.18	13.33	13.37	13.27	0-2	0
		1	49	13.13	12.91	13.00	12.98	12.97	0-2	0
		25	0	13.08	12.94	13.15	13.13	13.11	0-3	0
		25	12	13.10	13.02	13.29	13.24	13.28	0-3	0
		25	24	13.07	13.02	13.23	13.20	13.16	0-3	0
		50	0	13.00	12.93	13.22	13.21	13.14	0-3	0
	256QAM	1	0	12.69	12.66	12.92	12.86	12.82	0-5	0
		1	24	12.87	12.98	13.16	13.16	13.10	0-5	0
		1	49	12.66	12.78	12.89	12.73	12.84	0-5	0
		25	0	12.98	12.85	13.12	13.05	13.04	0-5	0
		25	12	13.06	13.03	13.29	13.23	13.20	0-5	0
		25	24	12.94	12.95	13.21	13.09	13.09	0-5	0
		50	0	12.94	12.95	13.18	13.11	13.11	0-5	0

LTE Band 41 _ 15 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 MHz	QPSK	1	0	12.88	12.95	13.07	12.95	13.10	0	0
		1	36	12.91	12.91	13.15	13.12	13.11	0	0
		1	74	12.87	12.66	12.95	12.80	12.99	0	0
		36	0	12.92	12.76	13.05	13.02	12.94	0-1	0
		36	18	12.94	12.83	13.19	13.15	13.06	0-1	0
		36	39	12.97	12.83	13.15	13.03	13.10	0-1	0
		75	0	12.92	12.79	13.13	13.06	13.08	0-1	0
	16QAM	1	0	12.85	12.60	12.91	12.83	12.68	0-1	0
		1	36	12.87	12.86	13.11	13.00	12.97	0-1	0
		1	74	12.79	12.64	12.93	12.73	12.94	0-1	0
		36	0	12.91	12.75	13.02	13.01	12.93	0-2	0
		36	18	12.95	12.84	13.15	13.12	13.01	0-2	0
		36	39	12.94	12.80	13.11	12.98	13.04	0-2	0
		75	0	12.87	12.76	13.13	13.02	13.01	0-2	0
	64QAM	1	0	12.98	12.75	12.95	13.06	12.77	0-2	0
		1	36	12.89	12.97	13.27	13.22	13.17	0-2	0
		1	74	13.04	12.71	12.99	12.94	13.08	0-2	0
		36	0	12.90	12.78	13.01	13.01	12.93	0-3	0
		36	18	12.95	12.82	13.14	13.15	13.01	0-3	0
		36	39	12.92	12.86	13.11	13.01	13.08	0-3	0
		75	0	12.88	12.75	13.09	13.08	13.02	0-3	0
	256QAM	1	0	12.42	12.47	12.69	12.75	12.54	0-5	0
		1	36	12.86	12.69	13.06	12.93	12.99	0-5	0
		1	74	12.77	12.54	12.92	12.67	12.80	0-5	0
		36	0	12.69	12.72	12.95	12.90	12.82	0-5	0
		36	18	12.86	12.86	13.07	13.01	12.99	0-5	0
		36	39	12.84	12.78	13.02	12.89	12.99	0-5	0
		75	0	12.82	12.76	13.04	12.96	12.96	0-5	0

LTE Band 41 20 MHz Bandwidth - Power Class 3

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	12.88	12.89	12.82	12.84	13.03	0	0
		1	49	12.91	12.93	13.19	13.10	13.07	0	0
		1	99	12.84	12.85	12.82	12.58	12.89	0	0
		50	0	12.90	12.81	13.01	13.00	12.88	0-1	0
		50	25	12.96	12.81	13.17	13.10	13.14	0-1	0
		50	49	12.91	12.91	13.10	12.96	13.07	0-1	0
		100	0	12.84	12.72	13.06	13.05	12.93	0-1	0
	16QAM	1	0	12.89	12.85	12.71	12.87	12.59	0-1	0
		1	49	12.98	13.00	13.03	13.08	13.03	0-1	0
		1	99	12.81	12.78	12.78	12.54	12.87	0-1	0
		50	0	12.90	12.82	12.96	13.00	12.90	0-2	0
		50	25	12.93	12.82	13.16	13.07	13.10	0-2	0
		50	49	12.92	12.87	13.04	12.97	13.05	0-2	0
		100	0	12.84	12.67	13.01	13.00	12.94	0-2	0
	64QAM	1	0	12.95	13.01	12.81	12.91	12.70	0-2	0
		1	49	13.09	13.00	13.23	13.17	13.21	0-2	0
		1	99	12.97	12.98	12.88	12.57	12.98	0-2	0
		50	0	12.86	12.85	12.94	12.98	12.87	0-3	0
		50	25	12.94	12.82	13.18	13.11	13.11	0-3	0
		50	49	12.91	12.87	13.04	12.94	13.06	0-3	0
		100	0	12.83	12.70	13.03	12.99	12.94	0-3	0
	256QAM	1	0	12.30	12.33	12.40	12.60	12.56	0-5	0
		1	49	12.78	12.82	13.06	12.98	12.98	0-5	0
		1	99	12.51	12.39	12.69	12.40	12.70	0-5	0
		50	0	12.65	12.67	12.87	12.91	12.78	0-5	0
		50	25	12.88	12.85	13.05	13.02	12.99	0-5	0
		50	49	12.82	12.73	12.97	12.88	12.93	0-5	0
		100	0	12.76	12.75	13.00	12.89	12.92	0-5	0

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D01v06.

[LTE Band 41 Conducted Power _ Grip activated] - Power Class 2 DSI=1 [Main Ant1]
LTE Band 41 _ 5 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
5 MHz	QPSK	1	0	12.94	13.01	13.24	13.23	13.18	0	0
		1	12	13.19	13.15	13.35	13.34	13.27	0	0
		1	24	13.10	13.02	13.23	13.21	13.14	0	0
		12	0	13.08	12.99	13.29	13.23	13.22	0-1	0
		12	6	13.07	13.10	13.29	13.25	13.28	0-1	0
		12	11	13.08	13.08	13.31	13.25	13.22	0-1	0
		25	0	13.08	12.99	13.32	13.28	13.23	0-1	0
	16QAM	1	0	13.36	13.26	13.37	13.40	13.40	0-1	0
		1	12	13.44	13.40	13.56	13.48	13.58	0-1	0
		1	24	13.34	13.21	13.38	13.39	13.35	0-1	0
		12	0	13.13	13.06	13.33	13.31	13.23	0-2	0
		12	6	13.21	13.17	13.30	13.34	13.27	0-2	0
		12	11	13.11	13.11	13.35	13.24	13.23	0-2	0
		25	0	13.07	13.02	13.31	13.22	13.20	0-2	0
	64QAM	1	0	13.16	13.29	13.43	13.43	13.39	0-2	0
		1	12	13.37	13.43	13.67	13.55	13.56	0-2	0
		1	24	13.17	13.26	13.50	13.47	13.42	0-2	0
		12	0	13.06	13.02	13.41	13.31	13.18	0-3	0
		12	6	13.15	13.19	13.31	13.31	13.28	0-3	0
		12	11	13.13	13.10	13.34	13.25	13.26	0-3	0
		25	0	13.06	13.02	13.28	13.25	13.23	0-3	0
	256QAM	1	0	12.96	12.98	13.27	13.27	13.33	0-5	0
		1	12	13.16	13.15	13.42	13.31	13.42	0-5	0
		1	24	13.00	13.07	13.26	13.17	13.24	0-5	0
		12	0	13.00	12.97	13.29	13.20	13.15	0-5	0
		12	6	13.02	13.05	13.30	13.26	13.21	0-5	0
		12	11	12.98	13.06	13.21	13.17	13.14	0-5	0
		25	0	12.98	13.02	13.28	13.18	13.15	0-5	0

LTE Band 41 10 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
10 MHz	QPSK	1	0	13.01	12.81	13.12	13.00	13.06	0	0
		1	24	12.95	13.09	13.35	13.33	13.27	0	0
		1	49	13.09	12.83	13.06	13.02	13.08	0	0
		25	0	13.10	12.93	13.19	13.13	13.16	0-1	0
		25	12	13.12	13.05	13.34	13.28	13.29	0-1	0
		25	24	13.11	13.05	13.22	13.18	13.16	0-1	0
		50	0	13.00	12.95	13.23	13.18	13.15	0-1	0
	16QAM	1	0	13.34	13.02	13.29	13.19	13.20	0-1	0
		1	24	13.25	13.31	13.55	13.43	13.47	0-1	0
		1	49	13.24	13.09	13.23	13.20	13.10	0-1	0
		25	0	13.12	12.98	13.22	13.14	13.11	0-2	0
		25	12	13.15	13.05	13.37	13.27	13.27	0-2	0
		25	24	13.10	13.06	13.22	13.14	13.15	0-2	0
		50	0	13.04	12.99	13.22	13.17	13.15	0-2	0
	64QAM	1	0	13.27	13.15	13.28	13.22	13.19	0-2	0
		1	24	13.39	13.41	13.51	13.59	13.56	0-2	0
		1	49	13.35	13.06	13.28	13.28	13.29	0-2	0
		25	0	13.05	12.97	13.17	13.13	13.12	0-3	0
		25	12	13.10	13.06	13.37	13.29	13.26	0-3	0
		25	24	13.05	13.01	13.26	13.21	13.18	0-3	0
		50	0	13.03	12.95	13.26	13.17	13.18	0-3	0
	256QAM	1	0	12.75	12.76	13.09	12.96	12.87	0-5	0
		1	24	13.17	13.21	13.34	13.27	13.27	0-5	0
		1	49	12.89	12.92	13.03	13.02	12.92	0-5	0
		25	0	12.96	12.85	13.15	13.09	13.02	0-5	0
		25	12	13.05	13.04	13.28	13.20	13.20	0-5	0
		25	24	12.93	12.95	13.18	13.09	13.10	0-5	0
		50	0	12.93	12.97	13.20	13.09	13.09	0-5	0

LTE Band 41 _ 15 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
15 MHz	QPSK	1	0	12.95	12.75	13.15	13.12	12.79	0	0
		1	36	13.03	12.94	13.34	13.16	13.05	0	0
		1	74	13.02	12.84	13.14	12.86	13.03	0	0
		36	0	12.90	12.78	13.05	13.02	12.96	0-1	0
		36	18	12.96	12.83	13.19	13.11	13.05	0-1	0
		36	39	12.94	12.85	13.15	13.00	13.11	0-1	0
		75	0	12.91	12.79	13.15	13.07	13.10	0-1	0
	16QAM	1	0	13.06	12.92	13.17	13.26	13.01	0-1	0
		1	36	13.16	13.18	13.27	13.30	13.28	0-1	0
		1	74	13.05	12.87	13.17	12.94	13.17	0-1	0
		36	0	12.91	12.76	13.04	13.01	12.91	0-2	0
		36	18	12.95	12.84	13.19	13.14	13.03	0-2	0
		36	39	12.92	12.84	13.11	13.00	13.08	0-2	0
		75	0	12.88	12.79	13.12	13.04	13.04	0-2	0
	64QAM	1	0	13.25	12.95	13.25	13.25	13.14	0-2	0
		1	36	13.24	13.25	13.41	13.43	13.33	0-2	0
		1	74	13.27	13.12	13.26	13.13	13.31	0-2	0
		36	0	12.92	12.76	13.02	13.01	12.91	0-3	0
		36	18	12.97	12.86	13.17	13.10	13.00	0-3	0
		36	39	12.93	12.83	13.10	13.00	13.08	0-3	0
		75	0	12.91	12.77	13.11	13.05	13.06	0-3	0
	256QAM	1	0	12.67	12.73	12.76	12.97	12.74	0-5	0
		1	36	13.16	12.99	13.18	13.14	13.14	0-5	0
		1	74	12.96	12.67	13.03	12.86	13.18	0-5	0
		36	0	12.73	12.71	12.96	12.92	12.80	0-5	0
		36	18	12.87	12.86	13.08	13.01	13.00	0-5	0
		36	39	12.85	12.75	13.01	12.94	13.01	0-5	0
		75	0	12.81	12.81	13.02	12.97	12.99	0-5	0

LTE Band 41 20 MHz Bandwidth - Power Class 2

Band width	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR Allowed Per 3GPP [dB]	MPR [dB]
				39750 Ch. 2506.0 MHz	40185 Ch. 2549.5 MHz	40620 Ch. 2593.0 MHz	41055 Ch. 2636.5 MHz	41490 Ch. 2680.0 MHz		
20 MHz	QPSK	1	0	13.04	12.94	12.90	13.00	13.14	0	0
		1	49	13.07	13.03	13.14	13.12	13.22	0	0
		1	99	13.00	12.98	12.84	12.72	13.02	0	0
		50	0	12.90	12.86	13.01	13.00	12.89	0-1	0
		50	25	12.95	12.84	13.21	13.12	13.13	0-1	0
		50	49	12.91	12.91	13.12	12.96	13.12	0-1	0
		100	0	12.86	12.74	13.08	13.04	12.95	0-1	0
	16QAM	1	0	13.13	13.09	13.04	13.06	12.91	0-1	0
		1	49	13.32	13.46	13.40	13.49	13.22	0-1	0
		1	99	13.19	13.05	13.02	12.76	13.13	0-1	0
		50	0	12.91	12.87	12.99	13.01	12.87	0-2	0
		50	25	12.94	12.82	13.20	13.10	13.08	0-2	0
		50	49	12.96	12.89	13.05	12.93	13.11	0-2	0
		100	0	12.85	12.72	13.07	12.97	12.89	0-2	0
	64QAM	1	0	13.30	13.26	13.01	13.11	12.95	0-2	0
		1	49	13.22	13.25	13.45	13.36	13.35	0-2	0
		1	99	13.19	13.22	13.13	12.94	13.19	0-2	0
		50	0	12.87	12.83	13.01	12.97	12.88	0-3	0
		50	25	12.93	12.83	13.18	13.09	13.10	0-3	0
		50	49	12.92	12.88	13.09	12.97	13.05	0-3	0
		100	0	12.87	12.72	13.06	12.96	12.92	0-3	0
	256QAM	1	0	12.66	12.40	12.75	12.76	12.67	0-5	0
		1	49	12.91	13.07	13.30	13.05	13.05	0-5	0
		1	99	12.68	12.56	12.90	12.56	12.98	0-5	0
		50	0	12.67	12.67	12.91	12.87	12.74	0-5	0
		50	25	12.87	12.86	13.11	13.02	13.04	0-5	0
		50	49	12.82	12.71	13.02	12.85	13.00	0-5	0
		100	0	12.78	12.73	12.97	12.91	12.89	0-5	0

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D01v06.

[LTE Band 66 Conducted Power_ Grip activated] DSI=1 [Main Ant1]

LTE Band 66 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	13.15	12.50	12.85	0	0
		1	3	12.96	12.57	12.88	0	0
		1	5	12.97	12.43	12.79	0	0
		3	0	13.04	12.49	12.59	0	0
		3	1	13.03	12.56	12.67	0	0
		3	3	13.00	12.45	12.59	0	0
		6	0	13.07	12.49	12.68	0-1	0
	16QAM	1	0	13.34	12.61	13.06	0-1	0
		1	3	13.19	12.65	12.96	0-1	0
		1	5	13.11	12.81	12.86	0-1	0
		3	0	13.17	12.58	12.89	0-1	0
		3	1	13.13	12.57	12.75	0-1	0
		3	3	13.14	12.65	12.77	0-1	0
		6	0	13.11	12.53	12.69	0-2	0
	64QAM	1	0	13.10	12.58	12.75	0-2	0
		1	3	13.17	12.57	12.83	0-2	0
		1	5	13.02	12.64	12.84	0-2	0
		3	0	13.05	12.63	12.74	0-2	0
		3	1	13.06	12.62	12.69	0-2	0
		3	3	13.10	12.57	12.73	0-2	0
		6	0	13.01	12.47	12.71	0-3	0
	256QAM	1	0	13.05	12.51	12.68	0-5	0
		1	3	13.11	12.47	12.59	0-5	0
		1	5	13.07	12.55	12.70	0-5	0
		3	0	13.05	12.49	12.70	0-5	0
		3	1	13.16	12.52	12.71	0-5	0
		3	3	13.08	12.44	12.58	0-5	0
		6	0	13.01	12.40	12.67	0-5	0

LTE Band 66 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	13.00	12.66	12.53	0	0
		1	7	13.04	12.70	12.66	0	0
		1	14	12.78	12.62	12.53	0	0
		8	0	13.05	12.55	12.59	0-1	0
		8	3	13.06	12.54	12.60	0-1	0
		8	7	12.92	12.53	12.61	0-1	0
		15	0	12.93	12.51	12.56	0-1	0
	16QAM	1	0	13.07	12.90	12.85	0-1	0
		1	7	13.27	12.86	12.86	0-1	0
		1	14	12.99	12.55	12.67	0-1	0
		8	0	13.05	12.59	12.65	0-2	0
		8	3	13.10	12.61	12.66	0-2	0
		8	7	13.01	12.48	12.65	0-2	0
		15	0	12.95	12.55	12.67	0-2	0
	64QAM	1	0	13.07	12.71	12.71	0-2	0
		1	7	13.11	12.60	12.86	0-2	0
		1	14	13.01	12.58	12.79	0-2	0
		8	0	13.07	12.55	12.67	0-3	0
		8	3	13.06	12.56	12.71	0-3	0
		8	7	13.04	12.51	12.66	0-3	0
		15	0	12.97	12.52	12.60	0-3	0
	256QAM	1	0	13.19	12.64	12.69	0-5	0
		1	7	13.20	12.72	12.91	0-5	0
		1	14	12.91	12.51	12.45	0-5	0
		8	0	13.08	12.58	12.60	0-5	0
		8	3	12.97	12.47	12.57	0-5	0
		8	7	12.98	12.48	12.67	0-5	0
		15	0	13.03	12.52	12.55	0-5	0

LTE Band 66 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322 Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	12.96	12.49	12.79	0	0
		1	12	13.04	12.54	12.90	0	0
		1	24	12.87	12.43	12.70	0	0
		12	0	13.03	12.54	12.62	0-1	0
		12	6	13.00	12.54	12.69	0-1	0
		12	11	12.94	12.53	12.68	0-1	0
		25	0	12.96	12.55	12.60	0-1	0
	16QAM	1	0	13.14	12.70	12.84	0-1	0
		1	12	13.22	12.83	12.96	0-1	0
		1	24	13.10	12.53	12.74	0-1	0
		12	0	13.09	12.57	12.72	0-2	0
		12	6	13.00	12.62	12.61	0-2	0
		12	11	12.95	12.56	12.61	0-2	0
		25	0	12.99	12.57	12.62	0-2	0
	64QAM	1	0	13.22	12.60	12.82	0-2	0
		1	12	13.17	12.59	12.91	0-2	0
		1	24	13.04	12.63	12.73	0-2	0
		12	0	13.03	12.57	12.66	0-3	0
		12	6	13.01	12.61	12.66	0-3	0
		12	11	12.93	12.51	12.63	0-3	0
		25	0	13.03	12.53	12.66	0-3	0
	256QAM	1	0	13.12	12.65	12.69	0-5	0
		1	12	13.21	12.61	12.75	0-5	0
		1	24	12.95	12.48	12.60	0-5	0
		12	0	13.15	12.49	12.68	0-5	0
		12	6	13.09	12.59	12.69	0-5	0
		12	11	12.97	12.45	12.60	0-5	0
		25	0	13.03	12.46	12.53	0-5	0

LTE Band 66 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	12.88	12.26	12.46	0	0
		1	24	13.06	12.53	12.70	0	0
		1	49	12.73	12.33	12.63	0	0
		25	0	12.93	12.45	12.58	0-1	0
		25	12	12.99	12.60	12.67	0-1	0
		25	24	12.83	12.52	12.62	0-1	0
		50	0	12.93	12.54	12.56	0-1	0
	16QAM	1	0	12.82	12.55	12.62	0-1	0
		1	24	13.31	12.70	13.00	0-1	0
		1	49	12.93	12.48	12.65	0-1	0
		25	0	12.87	12.46	12.54	0-2	0
		25	12	12.99	12.61	12.72	0-2	0
		25	24	12.86	12.44	12.63	0-2	0
		50	0	12.83	12.52	12.58	0-2	0
	64QAM	1	0	12.77	12.54	12.56	0-2	0
		1	24	13.22	12.68	12.83	0-2	0
		1	49	12.83	12.51	12.56	0-2	0
		25	0	12.90	12.47	12.59	0-3	0
		25	12	12.96	12.53	12.68	0-3	0
		25	24	12.92	12.53	12.61	0-3	0
		50	0	12.93	12.46	12.65	0-3	0
	256QAM	1	0	12.93	12.26	12.37	0-5	0
		1	24	13.14	12.81	12.78	0-5	0
		1	49	12.75	12.41	12.66	0-5	0
		25	0	12.99	12.48	12.43	0-5	0
		25	12	13.09	12.54	12.61	0-5	0
		25	24	12.89	12.44	12.57	0-5	0
		50	0	12.94	12.46	12.52	0-5	0

LTE Band 66 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	12.56	12.48	12.65	0	0
		1	36	12.86	12.38	12.41	0	0
		1	74	12.62	12.42	12.38	0	0
		36	0	12.90	12.65	12.63	0-1	0
		36	18	12.84	12.43	12.77	0-1	0
		36	39	12.73	12.40	12.50	0-1	0
		75	0	12.75	12.37	12.50	0-1	0
	16QAM	1	0	12.89	12.53	12.55	0-1	0
		1	36	13.08	12.48	12.80	0-1	0
		1	74	12.75	12.50	12.65	0-1	0
		36	0	12.83	12.44	12.48	0-2	0
		36	18	12.89	12.45	12.59	0-2	0
		36	39	12.76	12.37	12.49	0-2	0
		75	0	12.80	12.47	12.51	0-2	0
	64QAM	1	0	12.84	12.49	12.48	0-2	0
		1	36	13.04	12.54	12.71	0-2	0
		1	74	12.81	12.48	12.65	0-2	0
		36	0	12.92	12.45	12.46	0-3	0
		36	18	12.91	12.47	12.58	0-3	0
		36	39	12.76	12.42	12.49	0-3	0
		75	0	12.81	12.48	12.51	0-3	0
	256QAM	1	0	12.79	12.41	12.37	0-5	0
		1	36	13.00	12.35	12.52	0-5	0
		1	74	12.74	12.19	12.47	0-5	0
		36	0	12.86	12.42	12.45	0-5	0
		36	18	12.87	12.34	12.44	0-5	0
		36	39	12.78	12.36	12.41	0-5	0
		75	0	12.71	12.37	12.30	0-5	0

LTE Band 66 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	12.56	12.20	12.45	0	0
		1	49	12.83	12.35	12.48	0	0
		1	99	12.84	12.36	12.53	0	0
		50	0	12.79	12.46	12.38	0-1	0
		50	25	12.88	12.47	12.54	0-1	0
		50	49	12.77	12.37	12.53	0-1	0
		100	0	12.76	12.38	12.42	0-1	0
	16QAM	1	0	12.71	12.45	12.82	0-1	0
		1	49	13.42	12.53	12.65	0-1	0
		1	99	12.76	12.41	12.57	0-1	0
		50	0	12.77	12.49	12.39	0-2	0
		50	25	12.88	12.53	12.58	0-2	0
		50	49	12.72	12.46	12.51	0-2	0
		100	0	12.75	12.38	12.44	0-2	0
	64QAM	1	0	12.73	12.44	12.63	0-2	0
		1	49	13.07	12.67	12.69	0-2	0
		1	99	12.63	12.39	12.57	0-2	0
		50	0	12.85	12.41	12.42	0-3	0
		50	25	12.84	12.43	12.50	0-3	0
		50	49	12.75	12.34	12.48	0-3	0
		100	0	12.75	12.38	12.49	0-3	0
	256QAM	1	0	12.58	12.38	12.20	0-5	0
		1	49	12.81	12.59	12.82	0-5	0
		1	99	12.57	12.26	12.44	0-5	0
		50	0	12.87	12.44	12.36	0-5	0
		50	25	12.81	12.38	12.48	0-5	0
		50	49	12.67	12.38	12.43	0-5	0
		100	0	12.75	12.31	12.39	0-5	0

The EUT enables maximum power reduction in accordance with 3GPP 36.101. The MPR settings are configured during the manufacture process and are not configurable by the network, carrier, or end user.

[LTE Band 71 Conducted Power_ Grip activated] DSI=1 [Main Ant1]
LTE Band 71 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133147 Ch. 665.5 MHz	133297Ch. 680.5 MHz	133447 Ch. 695.5 MHz		
5 MHz	QPSK	1	0	13.70	13.69	13.94	0	0
		1	12	13.70	13.81	14.04	0	0
		1	24	13.65	13.74	13.97	0	0
		12	0	13.72	13.67	13.87	0-1	0
		12	6	13.75	13.85	13.97	0-1	0
		12	11	13.76	13.84	14.06	0-1	0
		25	0	13.76	13.74	13.98	0-1	0
	16QAM	1	0	13.74	13.78	14.15	0-1	0
		1	12	13.98	13.99	14.28	0-1	0
		1	24	13.92	13.75	14.29	0-1	0
		12	0	13.79	13.67	13.99	0-2	0
		12	6	13.84	13.90	14.01	0-2	0
		12	11	13.75	13.90	14.13	0-2	0
		25	0	13.69	13.77	13.99	0-2	0
	64QAM	1	0	13.99	13.91	14.01	0-2	0
		1	12	13.89	13.92	14.37	0-2	0
		1	24	13.76	14.06	14.35	0-2	0
		12	0	13.75	13.74	14.09	0-3	0
		12	6	13.84	13.98	14.16	0-3	0
		12	11	13.83	13.85	14.28	0-3	0
		25	0	13.82	13.85	14.24	0-3	0
	256QAM	1	0	13.65	13.68	14.05	0-5	0
		1	12	13.96	13.93	14.30	0-5	0
		1	24	13.82	14.06	14.10	0-5	0
		12	0	13.69	13.75	14.00	0-5	0
		12	6	13.87	13.88	14.21	0-5	0
		12	11	13.84	13.88	14.27	0-5	0
		25	0	13.83	13.85	14.13	0-5	0

LTE Band 71 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133172 Ch. 668 MHz	133297 Ch. 680.5 MHz	133422 Ch. 693 MHz		
10 MHz	QPSK	1	0	13.71	13.71	13.99	0	0
		1	24	13.80	13.79	13.99	0	0
		1	49	13.71	13.91	14.03	0	0
		25	0	13.71	13.73	13.93	0-1	0
		25	12	13.78	13.77	14.00	0-1	0
		25	24	13.79	13.86	14.05	0-1	0
		50	0	13.67	13.72	13.93	0-1	0
	16QAM	1	0	14.14	14.19	14.29	0-1	0
		1	24	13.89	13.88	14.24	0-1	0
		1	49	13.98	14.04	14.06	0-1	0
		25	0	13.77	13.76	13.89	0-2	0
		25	12	13.77	13.83	14.02	0-2	0
		25	24	13.79	13.87	14.09	0-2	0
		50	0	13.61	13.69	13.86	0-2	0
	64QAM	1	0	14.01	13.91	14.22	0-2	0
		1	24	13.96	13.95	14.29	0-2	0
		1	49	13.87	14.03	14.39	0-2	0
		25	0	13.78	13.83	14.10	0-3	0
		25	12	13.85	13.88	14.11	0-3	0
		25	24	13.81	13.96	14.24	0-3	0
		50	0	13.77	13.78	14.06	0-3	0
	256QAM	1	0	13.57	13.53	13.84	0-5	0
		1	24	13.99	13.94	14.36	0-5	0
		1	49	13.68	13.80	14.04	0-5	0
		25	0	13.70	13.65	13.91	0-5	0
		25	12	13.95	13.88	14.10	0-5	0
		25	24	13.83	13.82	14.13	0-5	0
		50	0	13.77	13.86	14.11	0-5	0

LTE Band 71 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133197 670.5 MHz	133297Ch. 680.5 MHz	133397 690.5 MHz		
15 MHz	QPSK	1	0	13.23	13.60	13.20	0	0
		1	36	13.42	13.77	13.38	0	0
		1	74	13.26	13.63	13.53	0	0
		36	0	13.21	13.71	13.35	0-1	0
		36	18	13.36	13.72	13.42	0-1	0
		36	39	13.26	13.77	13.47	0-1	0
		75	0	13.28	13.65	13.41	0-1	0
	16QAM	1	0	13.38	13.71	13.62	0-1	0
		1	36	13.45	14.04	13.90	0-1	0
		1	74	13.36	13.84	13.71	0-1	0
		36	0	13.27	13.61	13.33	0-2	0
		36	18	13.31	13.64	13.39	0-2	0
		36	39	13.35	13.68	13.49	0-2	0
		75	0	13.19	13.60	13.37	0-2	0
	64QAM	1	0	13.37	13.98	13.47	0-2	0
		1	36	13.48	13.79	13.67	0-2	0
		1	74	13.28	14.02	13.87	0-2	0
		36	0	13.33	13.70	13.43	0-3	0
		36	18	13.37	13.77	13.50	0-3	0
		36	39	13.32	13.81	13.66	0-3	0
		75	0	13.30	13.63	13.52	0-3	0
	256QAM	1	0	13.01	13.55	13.14	0-5	0
		1	36	13.47	13.70	13.73	0-5	0
		1	74	13.25	13.92	13.63	0-5	0
		36	0	13.21	13.59	13.35	0-5	0
		36	18	13.34	13.81	13.42	0-5	0
		36	39	13.42	13.81	13.69	0-5	0
		75	0	13.22	13.72	13.59	0-5	0

LTE Band 71 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				133222 Ch 673 MHz	133297 Ch.680.5 MHz	133372 Ch 688 MHz		
20 MHz	QPSK	1	0	13.03	13.53	13.19	0	0
		1	49	13.04	13.71	13.50	0	0
		1	99	13.27	13.77	13.51	0	0
		50	0	13.22	13.69	13.29	0-1	0
		50	25	13.21	13.64	13.35	0-1	0
		50	49	13.15	13.78	13.51	0-1	0
		100	0	13.08	13.64	13.32	0-1	0
	16QAM	1	0	13.41	13.80	13.27	0-1	0
		1	49	13.35	13.92	13.63	0-1	0
		1	99	13.67	13.85	13.55	0-1	0
		50	0	13.19	13.65	13.31	0-2	0
		50	25	13.21	13.67	13.35	0-2	0
		50	49	13.22	13.80	13.44	0-2	0
		100	0	13.12	13.63	13.29	0-2	0
	64QAM	1	0	13.39	13.84	13.42	0-2	0
		1	49	13.29	13.86	13.79	0-2	0
		1	99	13.33	13.97	13.69	0-2	0
		50	0	13.29	13.71	13.35	0-3	0
		50	25	13.28	13.74	13.48	0-3	0
		50	49	13.30	13.77	13.57	0-3	0
		100	0	13.23	13.69	13.41	0-3	0
	256QAM	1	0	12.85	13.49	13.06	0-5	0
		1	49	13.33	13.96	13.42	0-5	0
		1	99	13.14	13.86	13.60	0-5	0
		50	0	13.06	13.60	13.19	0-5	0
		50	25	13.27	13.74	13.44	0-5	0
		50	49	13.25	13.85	13.63	0-5	0
		100	0	13.23	13.69	13.45	0-5	0

11.4.3 LTE Maximum Conducted Power (Sub1 Ant.)

[LTE Band 2 Conducted Power _ Sub1 Ant.] DSI=0

LTE Band 2 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	23.94	24.01	23.88	0	0
		1	3	24.00	24.17	23.98	0	0
		1	5	23.97	24.09	23.89	0	0
		3	0	23.95	24.09	23.96	0	0
		3	1	23.96	24.23	23.97	0	0
		3	3	24.03	24.18	23.95	0	0
		6	0	22.96	23.12	22.93	0-1	1
	16QAM	1	0	22.87	23.11	22.89	0-1	1
		1	3	22.94	23.13	22.97	0-1	1
		1	5	22.97	23.15	22.93	0-1	1
		3	0	22.95	23.13	22.94	0-1	1
		3	1	22.88	23.12	22.91	0-1	1
		3	3	22.90	23.21	22.98	0-1	1
		6	0	21.95	22.15	21.96	0-2	2
	64QAM	1	0	21.91	22.14	21.93	0-2	2
		1	3	21.92	22.22	21.97	0-2	2
		1	5	21.94	22.18	21.96	0-2	2
		3	0	22.00	22.17	22.00	0-2	2
		3	1	21.99	22.23	22.00	0-2	2
		3	3	21.96	22.18	21.98	0-2	2
		6	0	20.95	21.11	20.91	0-3	3
	256QAM	1	0	18.96	19.08	19.02	0-5	5
		1	3	19.02	19.12	19.11	0-5	5
		1	5	19.06	19.13	19.12	0-5	5
		3	0	19.03	19.10	19.12	0-5	5
		3	1	19.02	19.09	19.04	0-5	5
		3	3	19.03	19.15	19.04	0-5	5
		6	0	18.99	19.17	18.93	0-5	5

LTE Band 2 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	23.91	24.05	23.90	0	0
		1	7	23.99	24.06	23.97	0	0
		1	14	24.00	24.07	23.95	0	0
		8	0	22.96	23.09	22.95	0-1	1
		8	3	22.98	23.09	23.01	0-1	1
		8	7	23.03	23.09	22.95	0-1	1
		15	0	22.93	23.05	22.94	0-1	1
	16QAM	1	0	22.88	23.08	22.72	0-1	1
		1	7	22.96	23.08	22.96	0-1	1
		1	14	23.02	23.08	22.97	0-1	1
		8	0	21.96	22.25	22.06	0-2	2
		8	3	21.92	22.24	22.08	0-2	2
		8	7	21.93	22.17	22.03	0-2	2
		15	0	21.87	22.16	22.01	0-2	2
	64QAM	1	0	21.72	22.02	21.82	0-2	2
		1	7	21.94	22.26	22.02	0-2	2
		1	14	21.97	22.18	22.08	0-2	2
		8	0	20.93	21.15	20.97	0-3	3
		8	3	20.94	21.21	20.91	0-3	3
		8	7	20.93	21.13	20.99	0-3	3
		15	0	20.92	21.11	20.90	0-3	3
	256QAM	1	0	18.79	19.11	18.92	0-5	5
		1	7	18.96	19.09	19.03	0-5	5
		1	14	18.93	19.07	18.93	0-5	5
		8	0	18.93	19.07	18.93	0-5	5
		8	3	18.93	19.07	18.93	0-5	5
		8	7	18.93	19.07	18.93	0-5	5
		15	0	18.93	19.07	18.93	0-5	5

LTE Band 2_ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	23.88	24.17	23.97	0	0
		1	12	23.97	24.18	23.98	0	0
		1	24	23.95	24.18	24.05	0	0
		12	0	23.07	23.27	23.21	0-1	1
		12	6	23.11	23.25	23.24	0-1	1
		12	11	23.07	23.23	23.26	0-1	1
		25	0	23.06	23.19	23.18	0-1	1
	16QAM	1	0	22.91	23.09	23.02	0-1	1
		1	12	23.08	23.22	23.19	0-1	1
		1	24	23.13	23.20	23.25	0-1	1
		12	0	22.10	22.28	22.15	0-2	2
		12	6	22.10	22.28	22.16	0-2	2
		12	11	22.06	22.33	22.21	0-2	2
		25	0	22.05	22.24	22.13	0-2	2
	64QAM	1	0	21.79	22.15	21.95	0-2	2
		1	12	22.09	22.26	22.21	0-2	2
		1	24	22.07	22.26	22.17	0-2	2
		12	0	21.13	21.24	21.20	0-3	3
		12	6	21.20	21.29	21.14	0-3	3
		12	11	21.20	21.23	21.18	0-3	3
		25	0	21.11	21.20	21.12	0-3	3
	256QAM	1	0	18.87	19.12	18.99	0-5	5
		1	12	19.12	19.29	19.14	0-5	5
		1	24	19.10	19.24	19.14	0-5	5
		12	0	19.08	19.24	19.15	0-5	5
		12	6	19.12	19.27	19.14	0-5	5
		12	11	19.13	19.24	19.18	0-5	5
		25	0	19.06	19.21	19.10	0-5	5

LTE Band 2 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	23.71	23.75	24.05	0	0
		1	24	23.72	23.82	24.12	0	0
		1	49	23.75	23.77	24.12	0	0
		25	0	23.10	23.18	23.02	0-1	1
		25	12	23.14	23.22	23.08	0-1	1
		25	24	23.13	23.25	23.03	0-1	1
		50	0	23.06	23.17	22.99	0-1	1
	16QAM	1	0	22.59	22.55	23.13	0-1	1
		1	24	23.08	23.25	23.09	0-1	1
		1	49	23.11	23.24	23.02	0-1	1
		25	0	22.13	22.26	22.14	0-2	2
		25	12	22.05	22.35	22.11	0-2	2
		25	24	22.09	22.28	22.13	0-2	2
		50	0	22.04	22.25	22.04	0-2	2
	64QAM	1	0	21.64	21.68	22.21	0-2	2
		1	24	22.14	22.31	22.11	0-2	2
		1	49	22.11	22.30	22.13	0-2	2
		25	0	21.11	21.22	21.15	0-3	3
		25	12	21.09	21.28	21.10	0-3	3
		25	24	21.08	21.30	21.14	0-3	3
		50	0	21.07	21.21	21.05	0-3	3
	256QAM	1	0	18.65	18.67	18.72	0-5	5
		1	24	19.10	19.27	19.16	0-5	5
		1	49	19.16	19.30	19.11	0-5	5
		25	0	19.17	19.26	19.07	0-5	5
		25	12	19.11	19.22	19.14	0-5	5
		25	24	19.18	19.30	19.15	0-5	5
		50	0	19.09	19.20	19.06	0-5	5

LTE Band 2 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	23.57	24.07	24.02	0	0
		1	36	23.65	24.17	24.09	0	0
		1	74	23.58	24.12	24.08	0	0
		36	0	23.08	23.06	23.00	0-1	1
		36	18	23.03	23.13	23.03	0-1	1
		36	39	23.00	23.11	23.08	0-1	1
		75	0	22.98	23.04	22.98	0-1	1
	16QAM	1	0	22.65	23.02	22.81	0-1	1
		1	36	23.07	23.06	23.05	0-1	1
		1	74	23.00	23.09	22.99	0-1	1
		36	0	22.01	22.12	21.92	0-2	2
		36	18	22.00	22.12	21.99	0-2	2
		36	39	22.07	22.17	21.98	0-2	2
		75	0	21.99	22.09	21.91	0-2	2
	64QAM	1	0	21.71	21.95	22.04	0-2	2
		1	36	22.02	22.13	22.01	0-2	2
		1	74	22.07	22.14	21.97	0-2	2
		36	0	20.96	21.15	20.97	0-3	3
		36	18	20.98	21.07	20.92	0-3	3
		36	39	21.03	21.12	20.92	0-3	3
		75	0	20.94	21.05	20.91	0-3	3
	256QAM	1	0	18.61	18.95	18.76	0-5	5
		1	36	18.68	19.02	18.81	0-5	5
		1	74	18.71	18.96	18.85	0-5	5
		36	0	18.70	19.03	18.84	0-5	5
		36	18	18.62	19.04	18.82	0-5	5
		36	39	18.62	19.03	18.79	0-5	5
		75	0	18.97	19.06	18.95	0-5	5

LTE Band 2 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	23.85	24.03	23.97	0	0
		1	49	23.88	24.07	24.07	0	0
		1	99	23.88	24.13	24.06	0	0
		50	0	22.99	23.08	23.03	0-1	1
		50	25	23.00	23.07	22.99	0-1	1
		50	49	23.04	23.05	23.03	0-1	1
		100	0	22.96	23.03	22.97	0-1	1
	16QAM	1	0	22.72	23.06	22.87	0-1	1
		1	49	22.97	23.05	22.98	0-1	1
		1	99	23.04	23.07	23.00	0-1	1
		50	0	21.99	22.17	21.98	0-2	2
		50	25	22.01	22.08	21.97	0-2	2
		50	49	22.00	22.11	21.96	0-2	2
		100	0	21.95	22.07	21.94	0-2	2
	64QAM	1	0	21.78	22.01	21.95	0-2	2
		1	49	22.02	22.09	22.03	0-2	2
		1	99	22.00	22.16	22.03	0-2	2
		50	0	21.04	21.13	20.95	0-3	3
		50	25	21.06	21.11	21.00	0-3	3
		50	49	21.03	21.18	21.01	0-3	3
		100	0	20.98	21.08	20.91	0-3	3
	256QAM	1	0	18.66	18.74	18.83	0-5	5
		1	49	18.70	18.84	18.85	0-5	5
		1	99	18.72	18.81	18.85	0-5	5
		50	0	18.68	18.76	18.87	0-5	5
		50	25	18.71	18.79	18.89	0-5	5
		50	49	18.70	18.75	18.91	0-5	5
		100	0	19.02	19.04	18.94	0-5	5

[LTE Band 7 Conducted Power_ Sub1 Ant.] DSI=0

LTE Band 7 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	21.72	21.81	22.01	0	0
		1	12	21.76	21.88	21.98	0	0
		1	24	21.67	21.77	21.99	0	0
		12	0	20.72	20.79	21.03	0-1	1
		12	6	20.88	20.87	21.07	0-1	1
		12	11	20.79	20.78	21.04	0-1	1
		25	0	20.82	20.87	21.07	0-1	1
	16QAM	1	0	21.01	21.04	21.16	0-1	1
		1	12	21.06	21.01	21.29	0-1	1
		1	24	21.06	20.01	21.21	0-1	1
		12	0	19.82	19.82	20.03	0-2	2
		12	6	19.96	19.92	20.07	0-2	2
		12	11	19.85	19.83	20.07	0-2	2
		25	0	19.76	19.84	20.10	0-2	2
	64QAM	1	0	19.98	19.98	20.12	0-2	2
		1	12	19.92	20.05	20.19	0-2	2
		1	24	20.01	20.03	20.24	0-2	2
		12	0	18.75	18.87	19.06	0-3	3
		12	6	18.70	18.91	19.07	0-3	3
		12	11	18.76	18.86	19.09	0-3	3
		25	0	18.73	18.76	19.07	0-3	3
	256QAM	1	0	16.70	16.76	17.01	0-5	5
		1	12	16.71	16.97	17.16	0-5	5
		1	24	16.69	16.80	17.06	0-5	5
		12	0	16.74	16.84	17.06	0-5	5
		12	6	16.77	16.87	17.14	0-5	5
		12	11	16.70	16.83	17.04	0-5	5
		25	0	16.65	16.78	17.03	0-5	5

LTE Band 7 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	21.64	21.73	22.05	0	0
		1	24	21.69	21.84	22.06	0	0
		1	49	21.67	21.85	22.16	0	0
		25	0	20.74	20.76	21.10	0-1	1
		25	12	20.76	20.88	21.13	0-1	1
		25	24	20.72	20.86	21.04	0-1	1
		50	0	20.60	20.78	21.01	0-1	1
	16QAM	1	0	20.96	20.93	21.31	0-1	1
		1	24	20.89	21.02	21.21	0-1	1
		1	49	20.99	21.01	21.32	0-1	1
		25	0	19.76	19.75	20.01	0-2	2
		25	12	19.72	19.92	20.04	0-2	2
		25	24	19.71	19.83	20.03	0-2	2
		50	0	19.66	19.81	20.04	0-2	2
	64QAM	1	0	19.76	19.96	20.11	0-2	2
		1	24	19.87	19.95	20.22	0-2	2
		1	49	19.73	20.11	20.17	0-2	2
		25	0	18.66	18.73	19.09	0-3	3
		25	12	18.72	18.86	19.10	0-3	3
		25	24	18.73	18.85	19.08	0-3	3
		50	0	18.63	18.77	19.00	0-3	3
	256QAM	1	0	16.60	16.64	16.83	0-5	5
		1	24	16.81	16.96	17.06	0-5	5
		1	49	16.56	16.76	16.83	0-5	5
		25	0	16.71	16.74	16.95	0-5	5
		25	12	16.72	16.87	17.15	0-5	5
		25	24	16.53	16.74	17.08	0-5	5
		50	0	16.64	16.76	16.96	0-5	5

LTE Band 7 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	21.82	21.62	22.06	0	0
		1	36	21.89	21.64	21.99	0	0
		1	74	21.81	21.81	21.95	0	0
		36	0	20.94	20.61	20.89	0-1	1
		36	18	20.95	20.76	21.02	0-1	1
		36	39	21.01	20.75	20.89	0-1	1
		75	0	20.92	20.68	20.93	0-1	1
	16QAM	1	0	21.01	20.60	21.15	0-1	1
		1	36	21.15	21.06	21.16	0-1	1
		1	74	21.11	20.96	21.13	0-1	1
		36	0	20.05	19.68	19.96	0-2	2
		36	18	19.97	19.65	20.02	0-2	2
		36	39	19.94	19.71	19.99	0-2	2
		75	0	19.94	19.73	19.93	0-2	2
	64QAM	1	0	20.07	19.89	20.11	0-2	2
		1	36	20.11	19.85	20.06	0-2	2
		1	74	20.17	19.92	20.13	0-2	2
		36	0	18.90	18.70	18.97	0-3	3
		36	18	19.05	18.80	19.04	0-3	3
		36	39	18.99	18.66	18.92	0-3	3
		75	0	18.99	18.67	19.00	0-3	3
	256QAM	1	0	16.72	16.64	16.88	0-5	5
		1	36	17.07	16.73	17.22	0-5	5
		1	74	16.82	16.70	17.06	0-5	5
		36	0	16.98	16.63	16.95	0-5	5
		36	18	16.95	16.81	16.94	0-5	5
		36	39	16.91	16.70	16.87	0-5	5
		75	0	16.89	16.69	16.91	0-5	5

LTE Band 7 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	21.02	20.84	20.96	0	0
		1	49	21.62	21.26	21.73	0	0
		1	99	21.11	21.13	21.86	0	0
		50	0	20.20	20.01	20.19	0-1	1
		50	25	20.53	20.09	20.59	0-1	1
		50	49	20.51	20.25	20.87	0-1	1
		100	0	20.30	20.11	20.51	0-1	1
	16QAM	1	0	21.11	20.63	21.25	0-1	1
		1	49	21.18	21.12	21.17	0-1	1
		1	99	21.15	21.02	21.22	0-1	1
		50	0	20.13	19.72	20.05	0-2	2
		50	25	20.05	19.69	20.08	0-2	2
		50	49	20.04	19.75	20.04	0-2	2
		100	0	20.03	19.81	20.01	0-2	2
	64QAM	1	0	20.11	19.93	20.16	0-2	2
		1	49	20.20	19.86	20.07	0-2	2
		1	99	20.23	19.98	20.15	0-2	2
		50	0	19.00	18.74	18.99	0-3	3
		50	25	19.08	18.81	19.07	0-3	3
		50	49	19.06	18.70	18.96	0-3	3
		100	0	19.03	18.75	19.02	0-3	3
	256QAM	1	0	16.75	16.74	16.97	0-5	5
		1	49	17.11	16.77	17.28	0-5	5
		1	99	16.83	16.75	17.11	0-5	5
		50	0	17.04	16.64	16.96	0-5	5
		50	25	16.99	16.84	17.01	0-5	5
		50	49	16.96	16.78	16.94	0-5	5
		100	0	16.94	16.76	16.98	0-5	5

[LTE Band 66 Conducted Power_ Sub1 Ant.] DSI=0

LTE Band 66 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	23.60	23.97	24.43	0	0
		1	3	23.69	23.70	23.62	0	0
		1	5	23.70	23.61	23.68	0	0
		3	0	23.67	23.70	23.69	0	0
		3	1	23.65	23.68	23.65	0	0
		3	3	23.62	23.63	23.70	0	0
	16QAM	6	0	22.58	22.81	23.63	0-1	1
		1	0	22.80	22.81	22.85	0-1	1
		1	3	22.84	22.85	22.79	0-1	1
		1	5	22.78	22.82	22.85	0-1	1
		3	0	22.86	22.83	22.82	0-1	1
		3	1	22.80	22.82	22.86	0-1	1
	64QAM	3	3	22.82	22.77	22.86	0-1	1
		6	0	21.89	21.89	21.81	0-2	2
		1	0	21.81	21.85	21.86	0-2	2
		1	3	21.89	21.84	21.84	0-2	2
		1	5	21.82	21.80	21.85	0-2	2
		3	0	21.84	21.88	21.84	0-2	2
	256QAM	3	1	21.89	21.82	21.87	0-2	2
		3	3	21.89	21.89	21.85	0-2	2
		6	0	20.97	20.45	21.60	0-3	3
		1	0	19.36	19.40	19.42	0-5	5
		1	3	19.35	19.39	19.44	0-5	5
		1	5	19.35	19.43	19.41	0-5	5
		3	0	19.39	19.39	19.41	0-5	5
		3	1	19.37	19.37	19.38	0-5	5
		3	3	19.37	19.40	19.42	0-5	5
		6	0	19.42	19.38	19.43	0-5	5

LTE Band 66 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	24.14	24.19	24.18	0	0
		1	7	24.21	24.15	24.16	0	0
		1	14	24.19	24.18	24.15	0	0
		8	0	23.17	22.85	23.50	0-1	1
		8	3	23.09	22.87	23.51	0-1	1
		8	7	23.12	22.86	23.54	0-1	1
		15	0	23.08	22.92	23.54	0-1	1
	16QAM	1	0	23.15	22.85	23.53	0-1	1
		1	7	23.10	22.88	23.48	0-1	1
		1	14	23.08	22.90	23.54	0-1	1
		8	0	22.22	22.21	22.23	0-2	2
		8	3	22.24	22.24	22.24	0-2	2
		8	7	22.18	22.23	22.18	0-2	2
		15	0	22.18	22.26	22.25	0-2	2
	64QAM	1	0	22.17	22.23	22.19	0-2	2
		1	7	22.22	22.26	22.21	0-2	2
		1	14	22.26	22.20	22.18	0-2	2
		8	0	21.19	20.86	21.56	0-3	3
		8	3	21.23	20.84	21.54	0-3	3
		8	7	21.27	20.92	21.51	0-3	3
		15	0	21.20	20.90	21.56	0-3	3
	256QAM	1	0	19.44	19.07	19.29	0-5	5
		1	7	19.37	19.14	19.34	0-5	5
		1	14	19.41	19.09	19.29	0-5	5
		8	0	19.43	19.15	19.31	0-5	5
		8	3	19.41	19.16	19.32	0-5	5
		8	7	19.40	19.11	19.31	0-5	5
		15	0	19.37	19.14	19.33	0-5	5

LTE Band 66 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322 Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	23.64	24.16	23.77	0	0
		1	12	23.68	24.16	23.80	0	0
		1	24	23.68	24.14	23.79	0	0
		12	0	22.97	22.92	23.30	0-1	1
		12	6	22.92	22.86	23.28	0-1	1
		12	11	22.91	22.88	23.26	0-1	1
		25	0	22.90	22.94	23.27	0-1	1
	16QAM	1	0	22.94	22.89	23.26	0-1	1
		1	12	22.92	22.92	23.24	0-1	1
		1	24	22.97	22.93	23.29	0-1	1
		12	0	22.13	21.85	22.30	0-2	2
		12	6	22.09	21.85	22.26	0-2	2
		12	11	22.18	21.92	22.26	0-2	2
		25	0	22.15	21.85	22.21	0-2	2
	64QAM	1	0	22.14	21.86	22.22	0-2	2
		1	12	22.13	21.88	22.28	0-2	2
		1	24	22.18	21.83	22.29	0-2	2
		12	0	21.29	20.84	21.26	0-3	3
		12	6	21.26	20.83	21.21	0-3	3
		12	11	21.20	20.90	21.27	0-3	3
		25	0	21.20	20.91	21.28	0-3	3
	256QAM	1	0	19.45	19.16	19.01	0-5	5
		1	12	19.41	19.10	19.00	0-5	5
		1	24	19.41	19.17	19.00	0-5	5
		12	0	19.42	19.16	19.03	0-5	5
		12	6	19.45	19.13	19.05	0-5	5
		12	11	19.42	19.16	19.01	0-5	5
		25	0	19.43	19.14	19.04	0-5	5

LTE Band 66 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	24.18	23.92	23.16	0	0
		1	24	24.24	23.93	23.16	0	0
		1	49	24.25	24.00	23.11	0	0
		25	0	23.45	22.75	22.95	0-1	1
		25	12	23.48	22.75	22.89	0-1	1
		25	24	23.43	22.75	22.88	0-1	1
		50	0	23.44	22.71	22.92	0-1	1
	16QAM	1	0	23.43	22.72	22.87	0-1	1
		1	24	23.46	22.77	22.92	0-1	1
		1	49	23.44	22.78	22.96	0-1	1
		25	0	22.28	22.02	21.48	0-2	2
		25	12	22.30	22.01	21.47	0-2	2
		25	24	22.28	22.06	21.54	0-2	2
		50	0	22.34	22.05	21.47	0-2	2
	64QAM	1	0	22.60	21.81	21.99	0-2	2
		1	24	22.31	22.00	21.52	0-2	2
		1	49	22.30	22.07	21.53	0-2	2
		25	0	21.64	20.76	21.00	0-3	3
		25	12	21.58	20.76	20.99	0-3	3
		25	24	21.56	20.79	21.01	0-3	3
		50	0	21.55	20.78	20.93	0-3	3
	256QAM	1	0	19.27	18.98	18.39	0-5	5
		1	24	19.28	18.97	18.33	0-5	5
		1	49	19.30	19.02	18.39	0-5	5
		25	0	19.33	19.02	18.34	0-5	5
		25	12	19.34	18.99	18.36	0-5	5
		25	24	19.35	18.93	18.34	0-5	5
		50	0	19.32	18.94	18.38	0-5	5

LTE Band 66 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	24.26	23.70	24.04	0	0
		1	36	24.23	23.71	24.01	0	0
		1	74	24.24	23.77	23.99	0	0
		36	0	23.56	22.69	22.80	0-1	1
		36	18	23.49	22.73	22.78	0-1	1
		36	39	23.53	22.67	22.83	0-1	1
		75	0	23.56	22.65	22.74	0-1	1
	16QAM	1	0	23.54	22.73	22.81	0-1	1
		1	36	23.55	22.65	22.76	0-1	1
		1	74	23.51	22.66	22.80	0-1	1
		36	0	22.61	21.67	21.77	0-2	2
		36	18	22.62	21.66	21.75	0-2	2
		36	39	22.62	21.64	21.77	0-2	2
		75	0	22.64	21.63	21.82	0-2	2
	64QAM	1	0	22.31	22.02	22.30	0-2	2
		1	36	22.36	22.06	22.31	0-2	2
		1	74	22.33	22.04	22.37	0-2	2
		36	0	21.57	20.76	20.82	0-3	3
		36	18	21.58	20.73	20.78	0-3	3
		36	39	21.66	20.71	20.77	0-3	3
		75	0	21.60	20.71	20.78	0-3	3
	256QAM	1	0	19.36	19.00	19.08	0-5	5
		1	36	19.37	19.04	19.11	0-5	5
		1	74	19.37	18.95	19.07	0-5	5
		36	0	19.37	19.04	19.12	0-5	5
		36	18	19.36	18.99	19.03	0-5	5
		36	39	19.38	18.95	19.11	0-5	5
		75	0	19.40	19.02	19.12	0-5	5

LTE Band 66 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	24.09	23.52	24.12	0	0
		1	49	24.10	23.47	24.07	0	0
		1	99	24.04	23.54	24.08	0	0
		50	0	23.25	22.78	22.98	0-1	1
		50	25	23.29	22.74	22.92	0-1	1
		50	49	23.25	22.69	22.95	0-1	1
		100	0	23.28	22.71	22.97	0-1	1
	16QAM	1	0	23.42	22.91	23.11	0-1	1
		1	49	23.35	22.94	23.20	0-1	1
		1	99	23.39	22.92	23.16	0-1	1
		50	0	21.82	21.81	22.11	0-2	2
		50	25	21.80	21.80	22.09	0-2	2
		50	49	21.84	21.83	22.06	0-2	2
		100	0	21.83	21.81	22.14	0-2	2
	64QAM	1	0	21.86	21.85	22.05	0-2	2
		1	49	21.85	21.77	22.05	0-2	2
		1	99	21.67	21.85	22.07	0-2	2
		50	0	21.42	20.61	20.92	0-3	3
		50	25	21.40	20.64	20.91	0-3	3
		50	49	21.39	20.67	20.91	0-3	3
		100	0	21.35	20.62	20.89	0-3	3
	256QAM	1	0	19.26	18.54	18.62	0-5	5
		1	49	19.27	18.56	18.67	0-5	5
		1	99	19.28	18.57	18.71	0-5	5
		50	0	19.32	18.67	18.85	0-5	5
		50	25	19.32	18.67	18.85	0-5	5
		50	49	19.32	18.67	18.85	0-5	5
		100	0	19.32	18.67	18.85	0-5	5

11.4.4 LTE Reduced Conducted Power (Grip activated) (Sub1 Ant.)

[LTE Band 2 Conducted Power_ Grip activated _ Sub1 Ant.] DSI=1

LTE Band 2 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18607 Ch. 1850.7 MHz	18900 Ch. 1880 MHz	19193 Ch. 1909.3 MHz		
1.4 MHz	QPSK	1	0	14.04	14.01	13.68	0	0
		1	3	14.05	14.05	13.79	0	0
		1	5	14.03	13.93	13.84	0	0
		3	0	14.01	13.95	13.77	0	0
		3	1	14.00	13.90	13.85	0	0
		3	3	13.92	13.90	13.77	0	0
		6	0	14.02	14.02	13.67	0-1	0
	16QAM	1	0	13.96	14.09	13.60	0-1	0
		1	3	14.02	14.09	13.62	0-1	0
		1	5	13.99	13.94	13.72	0-1	0
		3	0	14.12	14.02	13.76	0-1	0
		3	1	13.94	14.08	13.76	0-1	0
		3	3	14.01	13.98	13.66	0-1	0
		6	0	14.12	13.96	13.70	0-2	0
	64QAM	1	0	13.97	14.03	13.58	0-2	0
		1	3	13.95	14.06	13.74	0-2	0
		1	5	13.99	13.93	13.75	0-2	0
		3	0	14.11	14.02	13.78	0-2	0
		3	1	14.06	14.00	13.62	0-2	0
		3	3	14.07	14.05	13.78	0-2	0
		6	0	14.01	14.06	13.62	0-3	0
	256QAM	1	0	14.00	13.96	13.62	0-5	0
		1	3	13.94	14.11	13.72	0-5	0
		1	5	14.12	14.07	13.66	0-5	0
		3	0	13.99	13.93	13.63	0-5	0
		3	1	13.94	14.10	13.61	0-5	0
		3	3	14.06	14.06	13.61	0-5	0
		6	0	14.06	14.01	13.62	0-5	0

LTE Band 2 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18615 Ch. 1851.5 MHz	18900 Ch. 1880 MHz	19185 Ch. 1908.5 MHz		
3 MHz	QPSK	1	0	14.14	14.01	13.62	0	0
		1	7	14.06	14.11	13.78	0	0
		1	14	14.14	13.97	13.73	0	0
		8	0	13.94	14.07	13.65	0-1	0
		8	3	14.07	13.92	13.76	0-1	0
		8	7	14.06	14.02	13.71	0-1	0
	16QAM	15	0	13.99	14.11	13.72	0-1	0
		1	0	14.02	14.09	13.67	0-1	0
		1	7	14.03	13.99	13.70	0-1	0
		1	14	14.10	13.95	13.65	0-1	0
		8	0	13.98	13.94	13.77	0-2	0
		8	3	13.94	13.97	13.67	0-2	0
	64QAM	8	7	14.07	13.98	13.63	0-2	0
		15	0	14.12	13.98	13.65	0-2	0
		1	0	14.09	13.98	13.69	0-2	0
		1	7	14.12	14.09	13.64	0-2	0
		1	14	13.97	13.94	13.77	0-2	0
		8	0	14.05	14.03	13.64	0-3	0
	256QAM	8	3	13.98	13.94	13.66	0-3	0
		8	7	14.02	13.98	13.58	0-3	0
		15	0	14.01	13.99	13.75	0-3	0
		1	0	13.96	14.04	13.65	0-5	0
		1	7	14.14	14.06	13.69	0-5	0
		1	14	14.02	14.01	13.61	0-5	0
		8	0	14.12	13.95	13.75	0-5	0
		8	3	13.95	14.10	13.73	0-5	0
		8	7	14.12	13.96	13.78	0-5	0
		15	0	14.04	14.05	13.73	0-5	0

LTE Band 2 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18625 Ch. 1852.5 MHz	18900 Ch. 1880 MHz	19175 Ch. 1907.5 MHz		
5 MHz	QPSK	1	0	14.09	13.92	13.66	0	0
		1	12	14.14	14.05	13.63	0	0
		1	24	14.07	13.94	13.75	0	0
		12	0	14.05	14.04	13.64	0-1	0
		12	6	14.05	13.97	13.61	0-1	0
		12	11	14.01	14.05	13.67	0-1	0
		25	0	14.05	13.91	13.76	0-1	0
	16QAM	1	0	14.07	14.04	13.70	0-1	0
		1	12	14.01	14.02	13.71	0-1	0
		1	24	14.07	14.00	13.58	0-1	0
		12	0	13.95	13.93	13.62	0-2	0
		12	6	14.13	14.03	13.58	0-2	0
		12	11	14.03	14.03	13.69	0-2	0
		25	0	14.14	14.00	13.67	0-2	0
	64QAM	1	0	14.06	14.02	13.62	0-2	0
		1	12	14.14	13.98	13.75	0-2	0
		1	24	14.06	14.08	13.69	0-2	0
		12	0	14.03	14.05	13.67	0-3	0
		12	6	14.06	13.95	13.59	0-3	0
		12	11	14.07	13.93	13.78	0-3	0
		25	0	14.13	13.99	13.70	0-3	0
	256QAM	1	0	14.13	13.95	13.62	0-5	0
		1	12	14.10	14.09	13.63	0-5	0
		1	24	14.00	13.99	13.76	0-5	0
		12	0	14.07	14.04	13.63	0-5	0
		12	6	14.03	13.94	13.59	0-5	0
		12	11	14.03	14.10	13.64	0-5	0
		25	0	14.05	13.95	13.71	0-5	0

LTE Band 2 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18650 Ch. 1855 MHz	18900 Ch. 1880 MHz	19150 Ch. 1905 MHz		
10 MHz	QPSK	1	0	13.96	13.95	13.72	0	0
		1	24	14.05	14.09	13.74	0	0
		1	49	14.12	14.01	13.77	0	0
		25	0	14.05	14.01	13.77	0-1	0
		25	12	14.06	13.94	13.66	0-1	0
		25	24	14.07	14.08	13.70	0-1	0
		50	0	13.97	14.06	13.69	0-1	0
	16QAM	1	0	14.10	13.93	13.58	0-1	0
		1	24	14.06	14.09	13.69	0-1	0
		1	49	14.11	13.94	13.66	0-1	0
		25	0	14.02	13.91	13.68	0-2	0
		25	12	13.94	14.11	13.78	0-2	0
		25	24	14.11	14.04	13.77	0-2	0
		50	0	14.13	14.09	13.64	0-2	0
	64QAM	1	0	13.95	14.09	13.71	0-2	0
		1	24	14.03	13.99	13.74	0-2	0
		1	49	13.99	13.92	13.77	0-2	0
		25	0	14.03	13.91	13.75	0-3	0
		25	12	13.94	14.04	13.75	0-3	0
		25	24	14.00	13.96	13.59	0-3	0
		50	0	14.08	13.92	13.61	0-3	0
	256QAM	1	0	13.96	13.93	13.60	0-5	0
		1	24	14.00	13.94	13.75	0-5	0
		1	49	14.13	14.05	13.77	0-5	0
		25	0	14.00	14.11	13.74	0-5	0
		25	12	13.95	13.95	13.75	0-5	0
		25	24	14.04	14.11	13.58	0-5	0
		50	0	14.10	14.02	13.68	0-5	0

LTE Band 2 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18675 Ch. 1857.5 MHz	18900 Ch. 1880 MHz	19125 Ch. 1902.5 MHz		
15 MHz	QPSK	1	0	14.11	13.95	13.62	0	0
		1	36	13.95	13.91	13.72	0	0
		1	74	14.00	13.93	13.64	0	0
		36	0	14.11	14.03	13.58	0-1	0
		36	18	14.09	14.03	13.61	0-1	0
		36	39	14.01	13.99	13.74	0-1	0
		75	0	14.04	13.97	13.66	0-1	0
	16QAM	1	0	14.05	14.03	13.58	0-1	0
		1	36	13.99	14.07	13.66	0-1	0
		1	74	14.09	14.02	13.68	0-1	0
		36	0	13.99	13.96	13.61	0-2	0
		36	18	13.98	14.02	13.68	0-2	0
		36	39	13.95	14.08	13.63	0-2	0
		75	0	14.13	14.03	13.68	0-2	0
	64QAM	1	0	13.99	14.09	13.62	0-2	0
		1	36	13.96	14.07	13.69	0-2	0
		1	74	14.10	13.91	13.62	0-2	0
		36	0	13.96	14.01	13.68	0-3	0
		36	18	14.13	13.91	13.64	0-3	0
		36	39	14.11	14.00	13.60	0-3	0
		75	0	13.95	13.92	13.75	0-3	0
	256QAM	1	0	14.00	13.93	13.76	0-5	0
		1	36	14.09	14.04	13.60	0-5	0
		1	74	13.94	13.94	13.66	0-5	0
		36	0	13.97	14.05	13.59	0-5	0
		36	18	14.09	14.02	13.64	0-5	0
		36	39	14.02	13.96	13.64	0-5	0
		75	0	13.96	13.92	13.72	0-5	0

LTE Band 2 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				18700 Ch. 1860 MHz	18900 Ch. 1880 MHz	19100 Ch. 1900 MHz		
20 MHz	QPSK	1	0	14.06	14.11	13.70	0	0
		1	49	13.96	13.99	13.71	0	0
		1	99	14.13	14.01	13.72	0	0
		50	0	14.06	14.10	13.67	0-1	0
		50	25	14.07	14.05	13.60	0-1	0
		50	49	14.05	14.11	13.61	0-1	0
		100	0	14.04	14.01	13.62	0-1	0
	16QAM	1	0	13.95	14.02	13.77	0-1	0
		1	49	13.97	13.98	13.76	0-1	0
		1	99	14.14	14.05	13.70	0-1	0
		50	0	14.12	14.04	13.72	0-2	0
		50	25	14.02	14.11	13.71	0-2	0
		50	49	14.01	13.93	13.59	0-2	0
		100	0	14.12	14.01	13.69	0-2	0
	64QAM	1	0	14.14	13.92	13.73	0-2	0
		1	49	13.95	13.91	13.59	0-2	0
		1	99	13.98	14.09	13.61	0-2	0
		50	0	14.10	14.06	13.70	0-3	0
		50	25	13.98	14.07	13.64	0-3	0
		50	49	14.12	13.92	13.77	0-3	0
		100	0	14.05	14.03	13.59	0-3	0
	256QAM	1	0	13.94	14.01	13.74	0-5	0
		1	49	14.12	13.96	13.72	0-5	0
		1	99	13.96	14.07	13.60	0-5	0
		50	0	13.97	14.04	13.68	0-5	0
		50	25	14.07	14.00	13.76	0-5	0
		50	49	14.09	14.08	13.75	0-5	0
		100	0	14.02	14.07	13.63	0-5	0

[LTE Band 7 Conducted Power_ Grip activated_ Sub1 Ant.] DSI=1
LTE Band 7 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20775 Ch. 2502.5 MHz	21100 Ch. 2535 MHz	21425 Ch. 2567.5 MHz		
5 MHz	QPSK	1	0	12.56	12.72	12.93	0	0
		1	12	12.57	12.76	12.86	0	0
		1	24	12.66	12.65	12.97	0	0
		12	0	12.56	12.76	12.91	0-1	0
		12	6	12.46	12.81	12.89	0-1	0
		12	11	12.51	12.62	12.96	0-1	0
		25	0	12.56	12.78	12.92	0-1	0
	16QAM	1	0	12.86	13.01	13.20	0-1	0
		1	12	12.86	13.01	13.20	0-1	0
		1	24	12.86	13.01	13.20	0-1	0
		12	0	12.86	13.01	13.20	0-2	0
		12	6	12.86	13.01	13.20	0-2	0
		12	11	12.86	13.01	13.20	0-2	0
		25	0	12.86	13.01	13.20	0-2	0
	64QAM	1	0	12.83	12.83	13.11	0-2	0
		1	12	12.89	13.06	13.30	0-2	0
		1	24	12.92	13.08	13.11	0-2	0
		12	0	12.93	12.95	13.14	0-3	0
		12	6	12.84	13.00	13.24	0-3	0
		12	11	12.95	13.09	13.23	0-3	0
		25	0	12.80	12.95	13.28	0-3	0
	256QAM	1	0	12.42	12.61	12.83	0-5	0
		1	12	12.49	12.67	12.79	0-5	0
		1	24	12.34	12.56	12.86	0-5	0
		12	0	12.48	12.58	12.86	0-5	0
		12	6	12.49	12.60	12.85	0-5	0
		12	11	12.41	12.57	12.78	0-5	0
		25	0	12.49	12.65	12.88	0-5	0

LTE Band 7 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20800 Ch. 2505 MHz	21100 Ch. 2535 MHz	21400 Ch. 2565 MHz		
10 MHz	QPSK	1	0	12.64	12.79	12.95	0	0
		1	24	12.65	12.75	12.86	0	0
		1	49	12.61	12.63	13.05	0	0
		25	0	12.59	12.74	12.92	0-1	0
		25	12	12.47	12.80	12.88	0-1	0
		25	24	12.43	12.70	13.06	0-1	0
		50	0	12.57	12.75	12.87	0-1	0
	16QAM	1	0	12.91	12.93	13.14	0-1	0
		1	24	12.96	12.92	13.14	0-1	0
		1	49	12.80	12.97	13.21	0-1	0
		25	0	12.90	12.99	13.27	0-2	0
		25	12	12.86	12.93	13.24	0-2	0
		25	24	12.94	12.96	13.11	0-2	0
		50	0	12.91	13.01	13.10	0-2	0
	64QAM	1	0	12.76	12.92	13.06	0-2	0
		1	24	12.89	13.01	13.27	0-2	0
		1	49	12.97	13.15	13.09	0-2	0
		25	0	13.00	12.96	13.09	0-3	0
		25	12	12.79	13.06	13.17	0-3	0
		25	24	13.03	13.18	13.26	0-3	0
		50	0	12.85	12.93	13.38	0-3	0
	256QAM	1	0	12.34	12.66	12.73	0-5	0
		1	24	12.42	12.61	12.76	0-5	0
		1	49	12.28	12.65	12.76	0-5	0
		25	0	12.49	12.50	12.88	0-5	0
		25	12	12.54	12.66	12.90	0-5	0
		25	24	12.40	12.50	12.71	0-5	0
		50	0	12.41	12.57	12.82	0-5	0

LTE Band 7 _ 15 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20825 Ch. 2507.5 MHz	21100 Ch. 2535 MHz	21375 Ch. 2562.5 MHz		
15 MHz	QPSK	1	0	12.69	12.85	12.85	0	0
		1	36	12.61	12.68	12.83	0	0
		1	74	12.56	12.64	13.13	0	0
		36	0	12.53	12.81	12.93	0-1	0
		36	18	12.42	12.87	12.81	0-1	0
		36	39	12.42	12.70	13.04	0-1	0
		75	0	12.66	12.71	12.89	0-1	0
	16QAM	1	0	12.85	13.03	13.23	0-1	0
		1	36	12.94	12.89	13.20	0-1	0
		1	74	12.72	13.02	13.16	0-1	0
		36	0	12.95	12.93	13.31	0-2	0
		36	18	12.76	13.00	13.27	0-2	0
		36	39	12.92	13.01	13.15	0-2	0
		75	0	12.94	12.93	13.10	0-2	0
	64QAM	1	0	12.74	12.83	13.14	0-2	0
		1	36	12.93	13.08	13.28	0-2	0
		1	74	12.99	13.16	13.09	0-2	0
		36	0	12.98	12.98	13.17	0-3	0
		36	18	12.76	13.09	13.12	0-3	0
		36	39	12.97	13.16	13.26	0-3	0
		75	0	12.79	12.94	13.41	0-3	0
	256QAM	1	0	12.27	12.65	12.72	0-5	0
		1	36	12.35	12.66	12.83	0-5	0
		1	74	12.35	12.63	12.76	0-5	0
		36	0	12.42	12.48	12.90	0-5	0
		36	18	12.64	12.63	12.98	0-5	0
		36	39	12.33	12.45	12.75	0-5	0
		75	0	12.35	12.61	12.76	0-5	0

LTE Band 7 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				20850 Ch. 2510 MHz	21100 Ch. 2535 MHz	21350 Ch. 2560 MHz		
20 MHz	QPSK	1	0	12.79	12.89	12.76	0	0
		1	49	12.55	12.78	12.76	0	0
		1	99	12.58	12.66	13.04	0	0
		50	0	12.46	12.74	12.96	0-1	0
		50	25	12.46	12.96	12.80	0-1	0
		50	49	12.39	12.67	13.11	0-1	0
		100	0	12.57	12.67	12.94	0-1	0
	16QAM	1	0	12.95	13.06	13.16	0-1	0
		1	49	13.00	12.92	13.16	0-1	0
		1	99	12.63	13.11	13.11	0-1	0
		50	0	12.93	12.95	13.33	0-2	0
		50	25	12.72	13.10	13.17	0-2	0
		50	49	12.85	13.03	13.10	0-2	0
		100	0	12.95	13.02	13.10	0-2	0
	64QAM	1	0	12.66	12.84	13.18	0-2	0
		1	49	13.01	13.17	13.20	0-2	0
		1	99	13.03	13.07	13.03	0-2	0
		50	0	12.90	12.89	13.19	0-3	0
		50	25	12.77	13.00	13.16	0-3	0
		50	49	12.90	13.06	13.19	0-3	0
		100	0	12.69	12.85	13.51	0-3	0
	256QAM	1	0	12.27	12.67	12.82	0-5	0
		1	49	12.43	12.70	12.87	0-5	0
		1	99	12.40	12.62	12.72	0-5	0
		50	0	12.45	12.44	12.97	0-5	0
		50	25	12.62	12.61	13.07	0-5	0
		50	49	12.43	12.46	12.77	0-5	0
		100	0	12.45	12.69	12.82	0-5	0

[LTE Band 66 Conducted Power_ Grip activated_ Sub1 Ant.] DSI=1

LTE Band 66 _ 1.4 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131979Ch. 1710.7 MHz	132322 Ch. 1745 MHz	132665 Ch. 1779.3 MHz		
1.4 MHz	QPSK	1	0	14.00	13.76	13.96	0	0
		1	3	14.03	13.75	13.96	0	0
		1	5	14.04	13.73	14.04	0	0
		3	0	14.01	13.70	13.95	0	0
		3	1	13.99	13.81	13.90	0	0
		3	3	13.98	13.72	13.93	0	0
		6	0	14.01	13.76	13.77	0-1	0
	16QAM	1	0	14.22	13.86	13.80	0-1	0
		1	3	14.13	13.79	13.85	0-1	0
		1	5	14.15	13.81	13.67	0-1	0
		3	0	14.12	13.81	13.79	0-1	0
		3	1	14.21	13.61	13.96	0-1	0
		3	3	14.09	13.64	13.92	0-1	0
		6	0	14.10	13.67	13.92	0-2	0
	64QAM	1	0	14.11	13.76	13.94	0-2	0
		1	3	14.12	13.72	13.94	0-2	0
		1	5	14.06	13.61	13.98	0-2	0
		3	0	14.07	13.67	14.09	0-2	0
		3	1	14.09	13.81	13.92	0-2	0
		3	3	14.13	13.75	13.95	0-2	0
		6	0	13.97	13.86	13.91	0-3	0
	256QAM	1	0	14.03	13.76	14.08	0-5	0
		1	3	14.02	13.71	14.02	0-5	0
		1	5	14.10	13.78	14.01	0-5	0
		3	0	14.08	13.69	13.94	0-5	0
		3	1	14.02	13.75	13.95	0-5	0
		3	3	14.00	13.71	13.94	0-5	0
		6	0	13.97	13.66	13.94	0-5	0

LTE Band 66 _ 3 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131987 Ch. 1711.5 MHz	132322 Ch. 1745 MHz	132657 Ch. 1778.5 MHz		
3 MHz	QPSK	1	0	13.91	13.72	13.94	0	0
		1	7	14.02	13.85	14.03	0	0
		1	14	13.97	13.75	13.99	0	0
		8	0	14.02	13.85	14.01	0-1	0
		8	3	13.94	13.75	13.94	0-1	0
		8	7	13.98	13.81	14.01	0-1	0
		15	0	13.92	13.69	14.06	0-1	0
	16QAM	1	0	13.99	13.86	13.97	0-1	0
		1	7	13.95	13.72	13.88	0-1	0
		1	14	13.98	13.77	13.99	0-1	0
		8	0	13.91	13.82	13.98	0-2	0
		8	3	14.04	13.84	14.06	0-2	0
		8	7	13.95	13.69	14.04	0-2	0
		15	0	13.98	13.71	13.98	0-2	0
	64QAM	1	0	13.99	13.83	13.91	0-2	0
		1	7	13.99	13.75	13.89	0-2	0
		1	14	13.96	13.86	13.86	0-2	0
		8	0	13.96	13.68	13.90	0-3	0
		8	3	13.99	13.83	13.89	0-3	0
		8	7	13.95	13.70	13.93	0-3	0
		15	0	13.94	13.84	13.86	0-3	0
	256QAM	1	0	14.07	13.72	13.93	0-5	0
		1	7	14.01	13.74	14.05	0-5	0
		1	14	13.94	13.71	13.87	0-5	0
		8	0	14.06	13.75	13.99	0-5	0
		8	3	14.00	13.79	14.00	0-5	0
		8	7	14.10	13.74	13.86	0-5	0
		15	0	14.00	13.83	14.00	0-5	0

LTE Band 66 _ 5 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322 Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	14.09	13.66	13.99	0	0
		1	12	14.02	13.75	14.04	0	0
		1	24	13.90	13.79	13.87	0	0
		12	0	14.10	13.68	13.86	0-1	0
		12	6	13.93	13.79	13.99	0-1	0
		12	11	13.99	13.70	14.04	0-1	0
		25	0	14.10	13.80	13.96	0-1	0
	16QAM	1	0	13.96	13.71	13.86	0-1	0
		1	12	14.10	13.78	13.96	0-1	0
		1	24	14.10	13.69	14.00	0-1	0
		12	0	14.00	13.74	13.97	0-2	0
		12	6	13.99	13.81	14.06	0-2	0
		12	11	14.09	13.81	14.02	0-2	0
		25	0	14.03	13.79	13.95	0-2	0
	64QAM	1	0	14.01	13.67	13.92	0-2	0
		1	12	14.09	13.66	14.00	0-2	0
		1	24	13.90	13.67	14.02	0-2	0
		12	0	14.00	13.82	13.98	0-3	0
		12	6	13.98	13.71	14.04	0-3	0
		12	11	14.05	13.75	13.92	0-3	0
		25	0	13.91	13.74	13.93	0-3	0
	256QAM	1	0	14.07	13.86	13.87	0-5	0
		1	12	14.00	13.69	13.98	0-5	0
		1	24	14.10	13.75	13.89	0-5	0
		12	0	14.10	13.75	13.90	0-5	0
		12	6	14.04	13.85	13.87	0-5	0
		12	11	14.07	13.76	13.92	0-5	0
		25	0	14.09	13.68	13.99	0-5	0

LTE Band 66 _ 10 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132022 Ch. 1715 MHz	132322 Ch. 1745 MHz	132622 Ch. 1775 MHz		
10 MHz	QPSK	1	0	14.01	13.85	13.88	0	0
		1	24	14.10	13.76	13.95	0	0
		1	49	14.02	13.77	13.99	0	0
		25	0	13.90	13.86	13.88	0-1	0
		25	12	13.92	13.75	13.87	0-1	0
		25	24	14.10	13.84	13.86	0-1	0
		50	0	13.92	13.86	13.99	0-1	0
	16QAM	1	0	13.97	13.72	13.95	0-1	0
		1	24	14.06	13.73	13.99	0-1	0
		1	49	13.99	13.86	13.97	0-1	0
		25	0	13.95	13.71	13.96	0-2	0
		25	12	14.10	13.76	14.06	0-2	0
		25	24	13.91	13.68	13.98	0-2	0
		50	0	13.95	13.72	13.91	0-2	0
	64QAM	1	0	14.05	13.66	14.03	0-2	0
		1	24	13.95	13.82	14.05	0-2	0
		1	49	13.99	13.70	13.92	0-2	0
		25	0	13.95	13.74	13.90	0-3	0
		25	12	14.04	13.83	13.89	0-3	0
		25	24	13.93	13.86	13.97	0-3	0
		50	0	14.08	13.74	13.87	0-3	0
	256QAM	1	0	14.10	13.69	13.90	0-5	0
		1	24	14.07	13.86	14.04	0-5	0
		1	49	14.06	13.86	13.93	0-5	0
		25	0	13.95	13.73	14.04	0-5	0
		25	12	13.90	13.80	13.93	0-5	0
		25	24	13.93	13.86	13.88	0-5	0
		50	0	13.99	13.66	13.86	0-5	0

LTE Band 66 _ 15 MHz Bandwidth

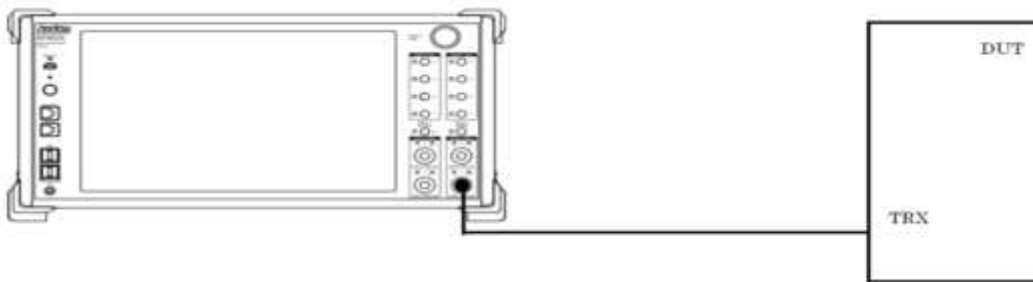
Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132047 Ch. 1717.5 MHz	132322 Ch. 1745 MHz	132597 Ch. 1772.5 MHz		
15 MHz	QPSK	1	0	13.92	13.69	13.88	0	0
		1	36	14.06	13.86	13.87	0	0
		1	74	13.96	13.77	14.04	0	0
		36	0	13.96	13.79	14.01	0-1	0
		36	18	13.97	13.75	13.93	0-1	0
		36	39	14.04	13.69	14.03	0-1	0
		75	0	14.03	13.77	14.00	0-1	0
	16QAM	1	0	14.00	13.70	14.01	0-1	0
		1	36	14.07	13.78	14.04	0-1	0
		1	74	13.93	13.86	13.98	0-1	0
		36	0	13.96	13.82	14.06	0-2	0
		36	18	13.98	13.84	13.86	0-2	0
		36	39	14.01	13.71	14.03	0-2	0
		75	0	14.01	13.68	13.88	0-2	0
	64QAM	1	0	13.91	13.75	13.87	0-2	0
		1	36	13.94	13.80	13.90	0-2	0
		1	74	14.05	13.72	13.97	0-2	0
		36	0	14.03	13.78	13.96	0-3	0
		36	18	14.02	13.84	13.97	0-3	0
		36	39	13.95	13.83	13.96	0-3	0
		75	0	14.04	13.83	14.06	0-3	0
	256QAM	1	0	14.08	13.86	14.03	0-5	0
		1	36	13.92	13.73	13.90	0-5	0
		1	74	13.99	13.77	13.93	0-5	0
		36	0	13.91	13.82	14.04	0-5	0
		36	18	14.08	13.76	13.96	0-5	0
		36	39	14.08	13.81	13.95	0-5	0
		75	0	14.02	13.67	14.01	0-5	0

LTE Band 66 _ 20 MHz Bandwidth

Bandwidth	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				132072 Ch. 1720 MHz	132322 Ch. 1745 MHz	132572 Ch. 1770 MHz		
20 MHz	QPSK	1	0	14.03	13.77	13.89	0	0
		1	49	13.96	13.67	13.93	0	0
		1	99	13.98	13.81	13.92	0	0
		50	0	14.11	13.76	13.88	0-1	0
		50	25	14.10	13.75	13.98	0-1	0
		50	49	14.10	13.72	13.95	0-1	0
		100	0	14.06	13.70	14.00	0-1	0
	16QAM	1	0	14.08	13.68	14.01	0-1	0
		1	49	14.00	13.71	13.95	0-1	0
		1	99	13.92	13.82	13.98	0-1	0
		50	0	14.04	13.74	13.89	0-2	0
		50	25	13.97	13.69	13.97	0-2	0
		50	49	14.09	13.70	13.93	0-2	0
		100	0	14.09	13.74	13.88	0-2	0
	64QAM	1	0	13.97	13.71	13.98	0-2	0
		1	49	13.97	13.73	13.88	0-2	0
		1	99	13.97	13.66	13.89	0-2	0
		50	0	14.04	13.76	13.94	0-3	0
		50	25	14.00	13.86	13.95	0-3	0
		50	49	14.07	13.66	13.98	0-3	0
		100	0	14.05	13.78	13.94	0-3	0
	256QAM	1	0	14.06	13.67	14.03	0-5	0
		1	49	14.04	13.76	13.97	0-5	0
		1	99	13.98	13.74	14.02	0-5	0
		50	0	13.92	13.83	14.02	0-5	0
		50	25	14.03	13.85	14.03	0-5	0
		50	49	14.10	13.69	14.06	0-5	0
		100	0	13.90	13.82	14.05	0-5	0

11.4.5 LTE Up-link Carrier Aggregation Conducted Powers Setup

To measure the LTE UP CA power of this device, Anritsu's MT8821C was used to check the power as follows.



Power Measurement setup

.TDD CA_41C Intra-Band Contiguous Call Connection

Set to MT8821C with following parameters:

- Set up the call box for PCC Configuration for LTE Uplink CA
- Set up the call box for SCC Configuration for LTE Uplink CA
- Measure the maximum output power in Uplink LTE CA conditions.

MT8821C 2018/05/03 13:39
RF Output : On
DL SCCs
UL SCCs Cont.

Phone2 LTE 30.7054005
Phone1 LTE 30.7054005

DL Channel 40/40 ch TPC Pattern AS + 3dB Input Level 30.0 dBm
Operation Band 41 Channel Bandwidth 20 MHz Output Level 18.0 dBm

Authentication Key K [1x] AUTH_KEY
This sets the UE authentication key (Authentication Key with 32 bits and hexadecimal number).

UE Power : -15.8 dBm

Common
Physical Channel
Call Processing
TX Measurement
RX Measurement
Fundamental Measurement
Test Parameter
Band Definition
External Loss
System Config

Mobile Station identity
Authentication / Integrity
SIM Model Number
Authentication
Authentication Algorithm
Authentication Key K
AMF
OPC
Integrity Protection
RMC
Power Control
BCH / PCCH
RACH / PUCCH
SCC

SequenceMonitor
Idle
Detach
Registration
Bist/Regist
UE Origination
NW Origination
Connected
Handover
UE Release
NW Release

UE Report
IMSI(DEC) 001010123456789
IMSI 355688090000740
IMEI (Check Digit) 355688090000745
UE Category 10
UE CategoryDL 10
UE CategoryUL 13
PDN Type IPv4v6

Signaling Trace
U-S Message Description Time at RAC
-> UInformationTransfer IDENTITY RESPONSE 00:27:01.889 (00:00.015)
-> UECapabilityEnquiry 00:27:01.889 (00:00.000)
-> UECapabilityInformation 00:27:01.343 (00:00.154)
-> UInformationTransfer AUTHENTICATION REQUEST 00:27:01.344 (00:00.001)
-> UInformationTransfer AUTHENTICATION RESPONSE 00:27:01.383 (00:00.039)
-> UInformationTransfer SECURITY MODE COMMAND 00:27:01.391 (00:00.010)
-> UInformationTransfer SECURITY MODE COMPLETE 00:27:01.395 (00:00.106)
-> UInformationTransfer ACTIVATE TEST MODE 00:27:01.409 (00:00.010)
-> UInformationTransfer ACTIVATE TEST MODE COMPLETE 00:27:01.424 (00:00.015)
-> SecurityModeCommand 00:27:01.434 (00:00.000)
-> SecurityModeComplete 00:27:01.579 (00:00.155)
-> RRCConnReconfiguration ATTACH ACCEPT 00:27:01.594 (00:00.015)
-> RRCConnReconfigurationComplete 00:27:01.618 (00:00.024)
-> UInformationTransfer ATTACH COMPLETE 00:27:01.639 (00:00.021)
-> RRCConnRelease 00:27:01.708 (00:00.100)

Function
Measurement Report Off
Measurement Report Once
Trace Clear
UE Capability Information

Home
Preset
Ts
Rx
Single
Continuous
Idle(Regist)
Start Call
End Call
Menu

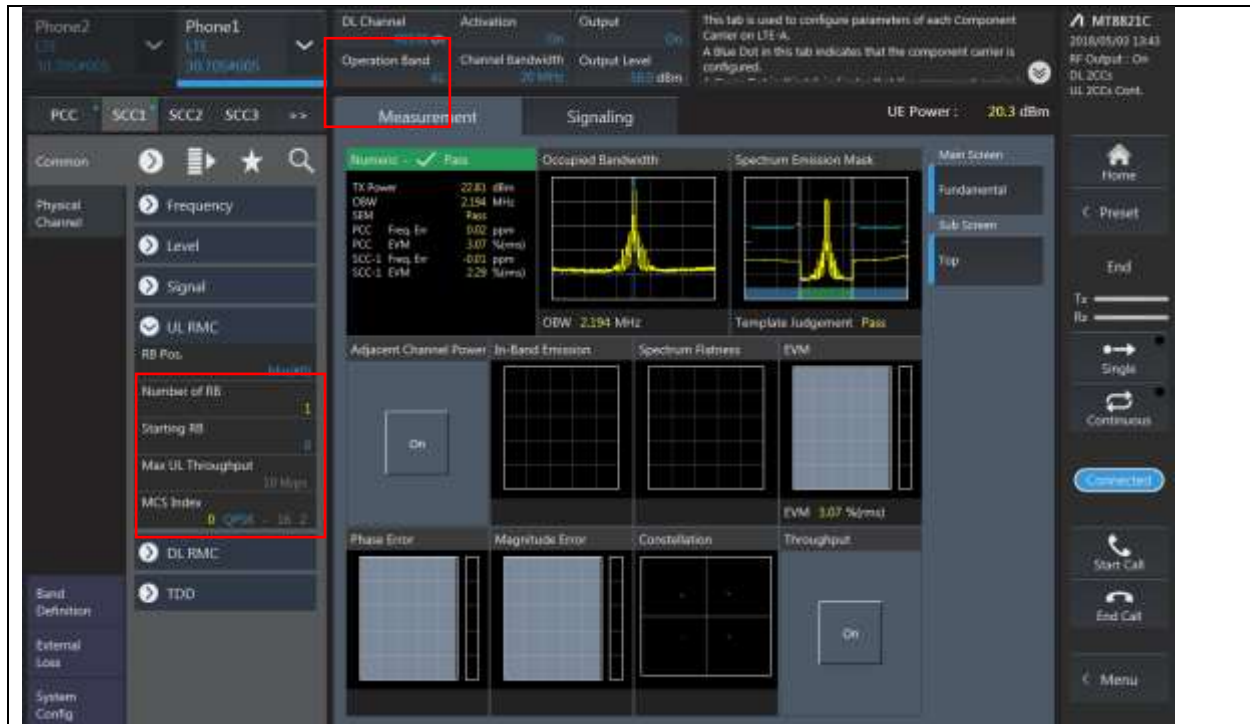
Call 1 :Select PCC Configuration for Authentication key to Register

The screenshot displays the HCT software interface for PCC configuration. The 'External Loss' section is highlighted with a red box, showing 'Main UL' and 'Main DL' both set to 0.5 dB. The 'Signal' section is also highlighted, showing 'Channel Coding' set to 'RM-CE/LUL CA'. The 'SequenceMonitor' diagram shows the UE state transitions, including 'Idle', 'Attach', 'Registration', 'Idle/Regist', 'UE Origination', 'NW Origination', 'Connected', 'Handover', 'UE Release', and 'NW Release'. The 'Signaling Trace' table lists various messages and their descriptions, including 'U-S Message', 'U-S Description', and 'Time at RRC'. The 'UE Report' section shows various parameters like 'IMSI/DEC', 'IMEI', 'IMEI (Check Digit)', 'UE Category', 'UE CategoryDL', 'UE CategoryUL', and 'PDN Type'.

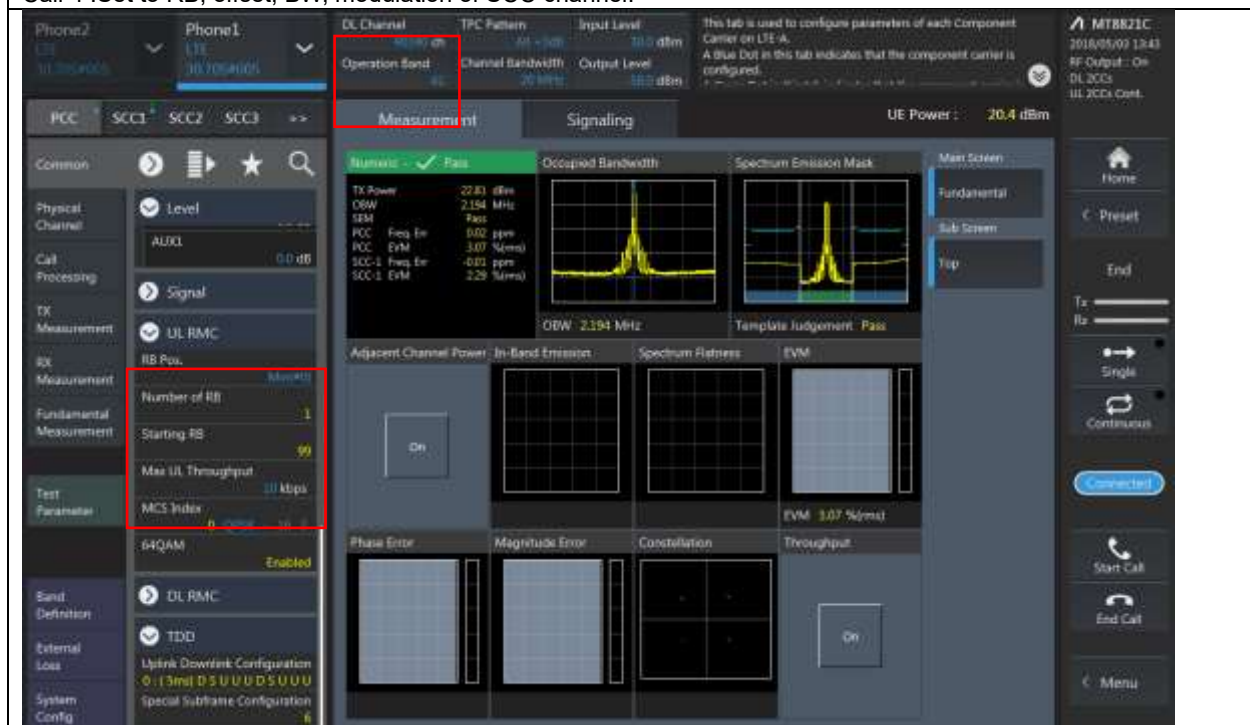
Call 2 :Select PCC Configuration for LTE UL CA and Cable loss

The screenshot displays the HCT software interface for PCC configuration. The 'DL RMC' section is highlighted with a red box, showing 'Uplink Downlink Configuration' set to '0'. The 'connect' button is also highlighted with a red box. The 'SequenceMonitor' diagram shows the UE state transitions, including 'Idle', 'Attach', 'Registration', 'Idle/Regist', 'UE Origination', 'NW Origination', 'Connected', 'Handover', 'UE Release', and 'NW Release'. The 'Signaling Trace' table lists various messages and their descriptions, including 'U-S Message', 'U-S Description', and 'Time at RRC'. The 'UE Report' section shows various parameters like 'IMSI/DEC', 'IMEI', 'IMEI (Check Digit)', 'UE Category', 'UE CategoryDL', 'UE CategoryUL', and 'PDN Type'.

Call 3 :Select PCC Configuration for LTE TDD " Uplink Downlink Configuration" set to "0"
And then Select "connect"button.



Call 4 :Set to RB, offset, BW, modulation of SCC channel.



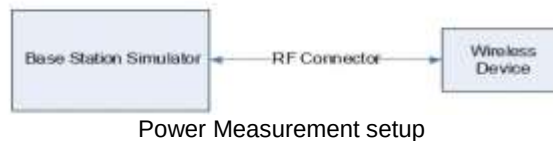
Call 5: Set to RB, offset, BW, modulation and Max Power conditions of PCC required test channel.

LTE Uplink Carrier Aggregation Conducted Powers

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by test product implementation. For those configurations required by April 2018 TCBC Workshop notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only.

Uplink Carrier aggregation:

1. This device supports uplink carrier aggregation for LTE CA_41C with a maximum of 20 MHz component carriers. For intra-band contiguous carrier aggregation scenarios, 3GPP 36.101 Table 6.2.2A-1 specifies that aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted Powers and MPR setting in this device are permanently implemented per the above 3GPP requirements.
2. Per Fall 2017 TCBC Workshop Notes, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.



Uplink Carrier aggregation Conducted Powers

Combination	PCC									SCC									Tx Power LTE ULCA Tx Power (dBm)
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB	offset	Band	BW	SCC UL Channel	SCC UL Frequency	SCC DL Channel	SCC DL Frequency	Modulation	RB	offset	
5B	5	10	20525	836.5	881.5	2525	QPSK	25	24	5	5	20597	843.7	2597	888.7	QPSK	25	0	15.87
41C PC3	41	20	40620	2593	40620	2593	QPSK	1	99	41	20	40818	2612.8	40818	2612.8	QPSK	1	0	24.12
41C PC2	41	20	40620	2593	40620	2593	QPSK	1	99	41	20	40818	2612.8	40818	2612.8	QPSK	1	0	26.55
66B	66	10	132322	1745	66786	2145	QPSK	1	49	66	10	132421	1754.9	66885	2154.9	QPSK	1	0	12.81
66C	66	20	132322	1745	66786	2145	QPSK	1	99	66	20	132520	1764.8	66984	2164.8	QPSK	1	0	12.83

11.5 NR Maximum Output Power

11.5.1 NR Band Maximum Conducted Power

[NR Band n2 Conducted Power] DSI=0 [Main Ant1]

NR Band n2 _ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						370500	376000	381500	
						1852.5 MHz	1880 MHz	1907.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.40	23.54	23.40	0
				1	13	23.40	23.64	23.39	0
				1	23	23.32	23.54	23.33	0
				12	0	22.96	23.27	22.98	0.5
				12	7	23.45	23.71	23.45	0
				12	13	22.85	23.13	22.86	0.5
			QPSK	25	0	22.94	23.17	22.95	0.5
				1	1	23.29	23.46	23.31	0
				1	13	23.29	23.52	23.27	0
				1	23	23.17	23.42	23.21	0
				12	0	22.49	22.78	22.51	1
				12	7	23.44	23.67	23.42	0
				12	13	22.36	22.61	22.39	1
				25	0	22.41	22.69	22.46	1
			16QAM	1	1	22.78	22.98	22.80	1
			64QAM	1	1	20.70	20.99	20.71	2.5
			256QAM	1	1	18.52	18.84	18.56	4.5
		CP	QPSK	1	1	21.77	21.95	21.81	1.5

NR Band n2 _ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371000	376000	381000	
						1855 MHz	1880 MHz	1905 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.48	23.59	23.49	0
				1	26	23.48	23.60	23.40	0
				1	50	23.52	23.51	23.38	0
				25	0	23.11	23.17	23.10	0.5
				25	14	23.53	23.69	23.50	0
				25	27	23.09	23.12	22.95	0.5
			QPSK	50	0	23.02	23.22	23.06	0.5
				1	1	23.41	23.47	23.40	0
				1	26	23.37	23.50	23.32	0
				1	50	23.42	23.42	23.29	0
				25	0	22.60	22.66	22.59	1
				25	14	23.53	23.68	23.50	0
				25	27	22.63	22.65	22.47	1
				50	0	22.55	22.72	22.56	1
			16QAM	1	1	22.93	22.99	22.94	1
			64QAM	1	1	20.77	20.99	20.73	2.5
			256QAM	1	1	18.64	18.86	18.65	4.5
		CP	QPSK	1	1	21.93	22.03	21.93	1.5

NR Band n2 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371500	376000	380500	
						1857.5 MHz	1880 MHz	1902.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.50	23.17	23.51	0
				1	40	23.64	22.83	23.43	0
				1	77	23.73	22.93	23.41	0
				36	0	23.17	22.59	23.11	0.5
				36	22	23.75	22.89	23.60	0
				36	43	23.20	22.46	23.02	0.5
			QPSK	75	0	23.14	22.59	23.13	0.5
				1	1	23.41	22.91	23.42	0
				1	40	23.51	22.60	22.54	0
				1	77	23.67	22.72	22.67	0
				36	0	22.61	22.06	22.61	1
				36	22	23.71	22.65	22.76	0
				36	43	22.69	21.95	21.71	1
				75	0	22.62	22.09	22.14	1
			16QAM	1	1	22.86	22.38	22.93	1
			64QAM	1	1	20.93	20.65	21.44	2.5
			256QAM	1	1	18.72	18.99	18.80	4.5
		CP	QPSK	1	1	21.93	22.18	21.95	1.5

NR Band n2 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372000	376000	380000	
						1860 MHz	1880 MHz	1900 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.38	23.65	23.58	0
				1	53	23.59	23.30	23.50	0
				1	104	23.73	23.45	23.43	0
				50	0	23.10	23.09	23.17	0.5
				50	28	23.71	23.38	23.64	0
				50	56	23.26	22.91	23.09	0.5
			QPSK	100	0	23.20	23.04	23.17	0.5
				1	1	23.30	23.39	23.48	0
				1	53	23.49	23.06	23.42	0
				1	104	23.64	23.23	23.33	0
				50	0	22.62	22.87	22.68	1
				50	28	23.74	23.27	23.67	0
				50	56	22.76	22.73	22.62	1
				100	0	22.71	22.54	22.65	1
			16QAM	1	1	22.77	22.84	22.98	1
			64QAM	1	1	21.16	21.51	21.17	2.5
			256QAM	1	1	18.66	18.98	18.85	4.5
		CP	QPSK	1	1	21.82	22.18	22.04	1.5

[NR Band n5 Conducted Power] DSI=0 [Main Ant1]

NR Band n5_ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						165300	167300	169300	
						826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.90	24.05	24.27	0
				1	13	23.78	24.01	24.30	0
				1	23	23.94	24.16	24.38	0
				12	0	23.43	23.56	23.79	0.5
				12	7	23.85	24.08	24.25	0
				12	13	23.49	23.62	23.86	0.5
			QPSK	25	0	23.40	23.60	23.79	0.5
				1	1	23.81	23.95	24.18	0
				1	13	23.70	23.92	24.19	0
				1	23	23.83	24.03	24.24	0
				12	0	22.89	23.03	23.27	1
				12	7	23.89	24.08	24.26	0
				12	13	22.98	23.08	23.33	1
				25	0	22.92	23.09	23.28	1
			16QAM	1	1	23.23	23.38	23.65	1
			64QAM	1	1	21.27	21.50	21.62	2.5
			256QAM	1	1	19.16	19.30	19.45	4.5
		CP	QPSK	1	1	22.32	22.53	22.66	1.5

NR Band n5_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.87		0
				1	26		24.02		0
				1	50		24.13		0
				25	0		23.59		0.5
				25	14		24.10		0
				25	27		23.62		0.5
			QPSK	50	0		23.65		0.5
				1	1		23.80		0
				1	26		23.93		0
				1	50		24.00		0
				25	0		23.08		1
				25	14		24.10		0
				25	27		23.11		1
				50	0		23.07		1
			16QAM	1	1		23.26		1
			64QAM	1	1		21.36		2.5
			256QAM	1	1		19.25		4.5
		CP	QPSK	1	1		22.46		1.5

NR Band n5_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.00		0
				1	40		24.19		0
				1	77		24.29		0
				36	0		23.72		0.5
				36	22		24.19		0
				36	43		23.71		0.5
			QPSK	75	0		23.71		0.5
				1	1		23.87		0
				1	40		24.05		0
				1	77		24.20		0
				36	0		23.21		1
				36	22		24.20		0
				36	43		23.21		1
				75	0		23.22		1
			16QAM	1	1		23.37		1
			64QAM	1	1		21.50		2.5
			256QAM	1	1		19.35		4.5
		CP	QPSK	1	1		22.63		1.5

NR Band n5_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.89		0
				1	53		24.20		0
				1	104		24.31		0
				50	0		23.65		0.5
				50	28		24.20		0
				50	56		23.77		0.5
				100	0		23.72		0.5
			QPSK	1	1		23.82		0
				1	53		24.08		0
				1	104		24.23		0
				50	0		23.12		1
				50	28		24.22		0
				50	56		23.27		1
				100	0		23.24		1
			16QAM	1	1		23.23		1
			64QAM	1	1		21.42		2.5
			256QAM	1	1		19.25		4.5
		CP	QPSK	1	1		22.49		1.5

[NR Band n25 Conducted Power] DSI=0 [Main Ant1]

NR Band n25 _ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						370500	376500	382500	
						1852.5 MHz	1882.5 MHz	1912.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.74	23.90	23.56	0
				1	13	23.83	23.96	23.59	0
				1	23	23.83	23.97	23.57	0
				12	0	23.39	23.56	23.18	0.5
				12	7	23.91	24.03	23.66	0
				12	13	23.41	23.54	23.15	0.5
				25	0	23.38	23.53	23.15	0.5
			QPSK	1	1	23.62	23.80	23.43	0
				1	13	23.73	23.84	23.46	0
				1	23	23.71	23.84	23.45	0
				12	0	22.91	23.04	22.67	1
				12	7	23.87	24.04	23.64	0
				12	13	22.86	23.05	22.68	1
				25	0	22.86	23.05	22.69	1
			16QAM	1	1	23.15	23.32	22.96	1
			64QAM	1	1	21.10	21.27	20.94	2.5
			256QAM	1	1	18.93	19.12	18.85	4.5
		CP	QPSK	1	1	22.14	22.36	21.99	1.5

NR Band n25 _ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371000	376500	382000	
						1855 MHz	1882.5 MHz	1910 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.76	23.86	23.60	0
				1	26	23.85	23.93	23.57	0
				1	50	23.92	23.83	23.57	0
				25	0	23.51	23.50	23.23	0.5
				25	14	23.97	24.03	23.70	0
				25	27	23.47	23.50	23.21	0.5
			QPSK	50	0	23.51	23.53	23.25	0.5
				1	1	23.67	23.78	23.53	0
				1	26	23.78	23.84	23.54	0
				1	50	23.84	23.76	23.48	0
				25	0	22.98	23.03	22.75	1
				25	14	23.94	24.04	23.73	0
				25	27	22.90	23.03	22.75	1
				50	0	23.01	23.05	22.74	1
			16QAM	1	1	23.16	23.31	23.03	1
			64QAM	1	1	21.13	21.25	20.97	2.5
			256QAM	1	1	18.96	19.09	18.82	4.5
		CP	QPSK	1	1	22.18	22.35	22.07	1.5

NR Band n25 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371500	376500	381500	
						1857.5 MHz	1882.5 MHz	1907.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.87	24.05	23.91	0
				1	40	23.89	24.02	23.81	0
				1	77	24.02	23.99	23.73	0
				36	0	23.54	23.76	23.50	0.5
				36	22	24.04	24.18	24.01	0
				36	43	23.65	23.65	23.51	0.5
			QPSK	75	0	23.55	23.69	23.50	0.5
				1	1	23.76	23.95	23.82	0
				1	40	23.78	23.89	23.71	0
				1	77	23.91	23.86	23.63	0
				36	0	23.06	23.23	23.12	1
				36	22	24.04	24.18	24.01	0
				36	43	23.13	23.14	22.91	1
				75	0	23.03	23.18	23.02	1
			16QAM	1	1	23.24	23.48	23.34	1
			64QAM	1	1	21.28	21.48	21.31	2.5
			256QAM	1	1	19.00	19.25	19.15	4.5
		CP	QPSK	1	1	22.36	22.56	22.40	1.5

NR Band n25 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372000	376500	381000	
						1860 MHz	1882.5 MHz	1905 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.76	24.01	23.98	0
				1	53	23.93	24.01	23.88	0
				1	104	23.98	23.89	23.72	0
				50	0	23.50	23.71	23.58	0.5
				50	28	24.14	24.21	24.09	0
				50	56	23.69	23.63	23.55	0.5
			QPSK	100	0	23.62	23.68	23.58	0.5
				1	1	23.70	23.93	23.89	0
				1	53	23.82	23.62	23.80	0
				1	104	23.90	23.91	23.67	0
				50	0	23.04	23.21	23.13	1
				50	28	24.14	23.84	24.08	0
				50	56	23.20	23.22	23.07	1
				100	0	23.13	23.12	23.11	1
			16QAM	1	1	23.15	23.37	23.37	1
			64QAM	1	1	21.59	21.86	21.47	2.5
			256QAM	1	1	19.03	19.31	19.24	4.5
		CP	QPSK	1	1	22.25	22.49	22.44	1.5

NR Band n25 _ 25 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.17		0
				1	1		24.12		0
				1	1		24.01		0
				64	64		23.83		0.5
				64	64		24.28		0
				64	64		23.68		0.5
				128	128		23.77		0.5
			QPSK	1	1		24.11		0
				1	1		24.04		0
				1	1		23.90		0
				64	64		23.05		1
				64	64		23.83		0
				64	64		23.07		1
				128	128		23.08		1
			16QAM	1	1		23.50		1
			64QAM	1	1		21.85		2.5
			256QAM	1	1		19.72		4.5
		CP	QPSK	1	1		22.70		1.5

NR Band n25 _ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.01		0
				1	1		24.17		0
				1	1		23.92		0
				80	80		23.68		0.5
				80	80		24.15		0
				80	80		23.62		0.5
				160	160		23.68		0.5
			QPSK	1	1		23.92		0
				1	1		24.07		0
				1	1		23.80		0
				80	80		23.17		1
				80	80		24.17		0
				80	80		23.08		1
				160	160		23.22		1
			16QAM	1	1		23.42		1
			64QAM	1	1		21.77		2.5
			256QAM	1	1		19.29		4.5
		CP	QPSK	1	1		22.52		1.5

NR Band n25 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.62		0
				1	108		23.47		0
				1	214		23.00		0
				108	0		23.29		0.5
				108	54		23.57		0
				108	108		23.15		0.5
				216	0		23.16		0.5
			QPSK	1	1		23.33		0
				1	108		23.20		0
				1	214		22.75		0
				108	0		22.74		1
				108	54		23.46		0
				108	108		22.64		1
				216	0		22.69		1
				1	1		22.83		1
				1	1		21.16		2.5
				1	1		18.97		4.5
				1	1		22.32		1.5
			16QAM	1	1		22.83		1
			64QAM	1	1		21.16		2.5
			256QAM	1	1		18.97		4.5
		CP	QPSK	1	1		22.32		1.5

[NR Band n41 Conducted Power_Power Class 3] DSI=0 [Main Ant1]

NR Band n41 _20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						501204	509898	518598	527298	535998	
						2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	24.33	24.13	24.43	24.17	24.14	0
				1	26	24.18	23.87	24.27	23.80	24.07	0
				1	49	23.77	23.71	24.17	23.77	24.31	0
				25	0	24.48	24.00	24.46	24.03	24.12	0
				25	13	24.26	23.96	24.40	23.90	24.08	0
				25	26	24.03	23.81	24.25	23.76	24.18	0
				50	0	24.20	23.94	24.43	23.89	24.12	0
			QPSK	1	1	24.55	24.10	24.62	24.15	24.10	0
				1	26	24.14	23.84	24.28	23.75	24.02	0
				1	49	23.74	23.68	24.16	23.77	24.29	0
				25	0	24.42	24.01	24.46	24.05	24.07	0
				25	13	24.24	23.91	24.39	23.88	24.11	0
				25	26	23.97	23.77	24.23	23.80	24.15	0
				50	0	24.22	23.95	24.43	23.89	24.12	0
			16QAM	1	1	24.53	24.19	24.70	24.24	24.17	0
			64QAM	1	1	23.76	23.38	23.92	23.46	23.39	0
			256QAM	1	1	21.96	21.55	22.07	21.60	21.52	2.5
		CP	QPSK	1	1	24.43	24.08	24.54	24.13	24.05	0

NR Band n41 _30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						502200	510402	518598	526800	534996	
						2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	24.56	24.02	24.47	24.52	24.35	0
				1	39	23.91	23.74	24.14	24.20	24.26	0
				1	76	23.62	23.68	24.16	24.13	24.54	0
				36	0	24.33	24.01	24.43	24.32	24.29	0
				36	21	23.97	23.81	24.17	24.19	24.31	0
				36	42	23.68	23.67	24.13	24.08	24.38	0
				75	0	24.03	23.88	24.27	24.27	24.33	0
			QPSK	1	1	24.53	24.01	24.51	24.54	24.33	0
				1	39	23.96	23.74	24.18	24.19	24.32	0
				1	76	23.66	23.71	24.10	24.12	24.55	0
				36	0	24.30	24.05	24.44	24.34	24.28	0
				36	21	23.96	23.78	24.20	24.20	24.31	0
				36	42	23.71	23.71	24.14	24.07	24.40	0
				75	0	24.00	23.82	24.27	24.24	24.35	0
			16QAM	1	1	24.59	23.85	24.55	24.62	24.45	0
			64QAM	1	1	23.80	23.21	23.78	23.80	23.60	0
			256QAM	1	1	21.99	21.49	21.93	21.98	21.79	2.5
		CP	QPSK	1	1	24.65	24.08	24.49	24.53	24.45	0

NR Band n41 _40 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						503202	513468		523734	534000	
						2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
40 Mhz	30	DFT-s	pi/2 BPSK	1	1	24.41	24.10		24.18	24.12	0
				1	53	23.58	23.98		24.32	24.19	0
				1	104	23.88	24.37		24.10	24.56	0
				50	0	24.09	23.87		24.30	24.14	0
				50	28	23.72	24.14		24.36	24.27	0
				50	56	23.62	24.28		24.33	24.30	0
				100	0	23.88	24.13		24.27	24.23	0
			QPSK	1	1	24.39	24.13		24.16	24.13	0
				1	53	23.56	24.02		24.29	24.21	0
				1	104	23.90	24.40		24.13	24.54	0
				50	0	24.11	23.88		24.29	24.17	0
				50	28	23.72	24.11		24.30	24.22	0
				50	56	23.66	24.32		24.35	24.33	0
				100	0	23.84	24.16		24.29	24.25	0
			16QAM	1	1	24.44	24.16		24.25	24.21	0
			64QAM	1	1	23.71	23.46		23.49	23.41	0
			256QAM	1	1	21.85	21.57		21.64	21.59	2.5
		CP	QPSK	1	1	24.46	24.15		24.10	24.08	0

NR Band n41 _50 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						504204		518598		532998	
						2521.02 MHz		2592.99 MHz		2664.99 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	24.32		24.62		24.08	0
				1	67	23.82		24.16		24.33	0
				1	131	24.22		24.37		24.53	0
				64	0	24.29		24.67		24.16	0
				64	35	23.95		24.20		24.29	0
				64	69	24.11		24.16		24.32	0
				128	0	24.20		24.38		24.23	0
			QPSK	1	1	24.70		24.53		24.01	0
				1	67	23.80		24.00		24.30	0
				1	131	24.18		24.28		24.47	0
				64	0	24.26		24.60		24.15	0
				64	35	23.92		24.08		24.26	0
				64	69	24.06		24.08		24.31	0
				128	0	24.20		24.31		24.23	0
			16QAM	1	1	24.64		24.60		24.01	0
			64QAM	1	1	24.03		23.94		23.32	0
			256QAM	1	1	22.14		22.12		21.49	2.5
		CP	QPSK	1	1	24.57		24.39		23.94	0

NR Band n41 _60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]
						505200		518598		
						2526 MHz		2592.99 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1	24.60		24.09		0
				1	81	23.68		24.38		0
				1	160	23.78		24.47		0
				81	0	24.06		24.46		0
				81	41	23.91		24.44		0
				81	81	23.97		24.34		0
				162	0	24.01		24.43		0
			QPSK	1	1	24.58		24.11		0
				1	81	23.68		24.40		0
				1	160	23.71		24.50		0
				81	0	24.03		24.48		0
				81	41	23.87		24.38		0
				81	81	23.96		24.35		0
				162	0	24.02		24.41		0
			16QAM	1	1	24.58		24.21		0
			64QAM	1	1	23.89		23.45		0
			256QAM	1	1	22.00		21.59		2.5
		CP	QPSK	1	1	24.48		24.03		0

NR Band n41 _80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]
						507204				
						2536.02 MHz			2649.99 MHz	
80 MHz	30	DFT-s	pi/2 BPSK	1	1	24.41			24.14	0
				1	109	23.84			23.82	0
				1	215	24.05			24.31	0
				108	0	23.87			24.10	0
				108	55	23.76			23.94	0
				108	109	23.80			24.00	0
				216	0	23.79			24.07	0
			QPSK	1	1	24.42			24.16	0
				1	109	23.88			23.74	0
				1	215	23.97			24.26	0
				108	0	23.88			24.08	0
				108	55	23.75			23.93	0
				108	109	23.76			23.98	0
				216	0	23.82			24.03	0
			16QAM	1	1	24.54			24.26	0
			64QAM	1	1	23.73			23.34	0
			256QAM	1	1	21.88			21.59	2.5
		CP	QPSK	1	1	24.38			24.03	0

NR Band n41 _90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						508200					528996
						2541 MHz					2644.98 MHz
90 MHz	30	DFT-s	pi/2 BPSK	1	1	24.54				24.11	0
				1	123	24.04				23.81	0
				1	243	24.00				24.34	0
				120	0	23.97				24.23	0
				120	63	23.78				24.06	0
				120	125	23.84				24.04	0
				243	0	23.88				24.16	0
			QPSK	1	1	24.46				24.11	0
				1	123	24.03				23.84	0
				1	243	24.06				24.29	0
				120	0	23.98				24.24	0
				120	63	23.80				24.04	0
				120	125	23.90				24.04	0
				243	0	23.87				24.17	0
			16QAM	1	1	24.55				24.19	0
			64QAM	1	1	23.77				23.35	0
			256QAM	1	1	21.94				21.53	2.5
		CP	QPSK	1	1	24.35				24.00	0

NR Band n41 _100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]
								518598		
								2592.99 MHz		
100 MHz	30	DFT-s	pi/2 BPSK	1	1			24.33		0
				1	137			24.18		0
				1	271			23.73		0
				135	0			24.24		0
				135	69			24.31		0
				135	138			24.07		0
				270	0			24.20		0
			QPSK	1	1			24.31		0
				1	137			24.17		0
				1	271			23.72		0
				135	0			24.26		0
				135	69			24.31		0
				135	138			24.05		0
				270	0			24.16		0
			16QAM	1	1			24.35		0
			64QAM	1	1			23.61		0
			256QAM	1	1			21.72		2.5
		CP	QPSK	1	1			24.16		0

[NR Band n41 Conducted Power_Power Class 2] DSI=0 [Main Ant1]

NR Band n41 _20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						501204	509898	518598	527298	535998	
						2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	26.17	26.05	26.60	26.59	26.56	0
				1	26	26.04	26.04	26.58	26.48	26.47	0
				1	49	26.08	26.05	26.66	26.53	26.53	0
				25	0	25.63	25.57	26.09	26.10	26.08	0.5
				25	13	26.15	26.17	26.66	26.57	26.60	0
				25	26	25.64	25.63	26.16	26.06	26.10	0.5
				50	0	25.63	25.66	26.15	26.08	26.10	0.5
			QPSK	1	1	26.10	26.12	26.53	26.50	26.53	0
				1	26	25.99	26.08	26.51	26.41	26.46	0
				1	49	26.03	26.07	26.58	26.47	26.50	0
				25	0	25.13	25.07	25.60	25.62	25.62	1
				25	13	26.11	26.15	26.69	26.54	26.58	0
				25	26	25.11	25.08	25.69	25.56	25.58	1
				50	0	25.15	25.16	25.71	25.56	25.62	1
			16QAM	1	1	24.91	25.01	25.36	25.56	25.37	1
			64QAM	1	1	23.08	22.99	23.50	23.58	23.52	2.5
			256QAM	1	1	21.47	21.41	21.94	21.60	21.52	4.5
		CP	QPSK	1	1	24.74	24.65	25.15	24.13	24.05	1.5

NR Band n41 _30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						502200	510402	518598	526800	534996	
						2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	26.28	26.23	26.58	26.74	26.85	0
				1	39	26.18	26.23	26.64	26.75	26.76	0
				1	76	26.35	26.31	26.71	26.81	26.85	0
				36	0	25.73	25.73	26.07	26.24	26.32	0.5
				36	21	26.20	26.27	26.67	26.82	26.81	0
				36	42	25.73	25.83	26.24	26.37	26.31	0.5
				75	0	25.75	25.72	26.19	26.35	26.36	0.5
			QPSK	1	1	26.24	26.20	26.58	26.76	26.82	0
				1	39	26.15	26.22	26.59	26.74	26.76	0
				1	76	26.34	26.28	26.68	26.81	26.81	0
				36	0	25.21	25.19	25.60	25.75	25.86	1
				36	21	26.23	26.30	26.66	26.83	26.80	0
				36	42	25.27	25.28	25.68	25.84	25.86	1
				75	0	25.22	25.23	25.73	25.84	25.84	1
			16QAM	1	1	25.04	25.22	25.35	25.80	25.61	1
			64QAM	1	1	23.21	23.24	23.52	23.75	23.81	2.5
			256QAM	1	1	21.99	21.49	21.93	21.98	21.79	4.5
		CP	QPSK	1	1	24.65	24.08	24.49	24.53	24.45	1.5

NR Band n41 _40 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						503202	513468		523734	534000	
						2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
40 Mhz	30	DFT-s	pi/2 BPSK	1	1	26.21	26.55		26.62	26.83	0
				1	53	26.04	26.31		26.61	26.67	0
				1	104	26.31	26.55		26.84	26.83	0
				50	0	25.65	25.96		26.18	26.25	0.5
				50	28	26.14	26.41		26.67	26.76	0
				50	56	25.76	26.07		26.27	26.29	0.5
				100	0	25.66	25.99		26.19	26.28	0.5
			QPSK	1	1	26.20	26.54		26.61	26.79	0
				1	53	26.05	26.33		26.57	26.64	0
				1	104	26.28	26.58		26.80	26.82	0
				50	0	25.10	25.46		25.67	25.73	1
				50	28	26.11	26.43		26.68	26.76	0
				50	56	25.27	25.60		25.83	25.84	1
				100	0	25.14	25.47		25.72	25.78	1
			16QAM	1	1	25.09	25.54		25.41	25.75	1
			64QAM	1	1	23.18	23.52		23.59	23.75	2.5
			256QAM	1	1	21.85	21.57		21.64	21.59	4.5
		CP	QPSK	1	1	24.46	24.15		24.10	24.08	1.5

NR Band n41 _50 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						504204		518598			532998
						2521.02 MHz		2592.99 MHz			2664.99 MHz
50 MHz	30	DFT-s	pi/2 BPSK	1	1	26.30		26.59		26.76	0
				1	67	26.26		26.65		26.74	0
				1	131	26.19		26.72		26.72	0
				64	0	25.80		26.03		26.29	0.5
				64	35	26.26		26.64		26.76	0
				64	69	25.77		26.23		26.26	0.5
				128	0	25.79		26.18		26.32	0.5
			QPSK	1	1	26.34		26.60		26.78	0
				1	67	26.28		26.67		26.75	0
				1	131	26.21		26.71		26.74	0
				64	0	25.28		25.56		25.78	1
				64	35	26.28		26.67		26.78	0
				64	69	25.24		25.73		25.80	1
				128	0	25.28		25.68		25.80	1
			16QAM	1	1	25.02		25.38		25.72	1
			64QAM	1	1	23.26		23.52		23.76	2.5
			256QAM	1	1	22.14		21.62		21.49	4.5
		CP	QPSK	1	1	24.57		23.89		24.04	1.5

NR Band n41 _60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)					MPR [dB]
						505200		518598		531996	
						2526 MHz		2592.99 MHz		2659.98 MHz	
60 MHz	30	DFT-s	pi/2 BPSK	1	1	26.19		26.43		26.66	0
				1	81	26.12		26.58		26.67	0
				1	160	26.08		26.69		26.68	0
				81	0	25.67		26.08		26.22	0.5
				81	41	26.18		26.64		26.71	0
				81	81	25.68		26.21		26.21	0.5
				162	0	25.68		26.16		26.23	0.5
			QPSK	1	1	26.21		26.47		26.67	0
				1	81	26.14		26.68		26.60	0
				1	160	26.07		26.74		26.64	0
				81	0	25.18		25.58		25.71	1
				81	41	26.18		26.64		26.72	0
				81	81	25.13		25.74		25.84	1
				162	0	25.18		25.64		25.69	1
			16QAM	1	1	25.02		25.43		25.46	1
			64QAM	1	1	23.09		23.38		23.63	2.5
			256QAM	1	1	22.00		21.59		21.59	4.5
		CP	QPSK	1	1	24.48		24.03		24.10	1.5

NR Band n41 _80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]	
						507204					529998
						2536.02 MHz					2649.99 MHz
80 MHz	30	DFT-s	pi/2 BPSK	1	1	26.05				26.44	0
				1	109	25.84				26.47	0
				1	215	25.94				26.58	0
				108	0	25.53				26.08	0.5
				108	55	25.97				26.55	0
				108	109	25.50				26.05	0.5
				216	0	25.47				26.07	0.5
			QPSK	1	1	26.08				26.46	0
				1	109	25.91				26.51	0
				1	215	25.96				26.59	0
				108	0	25.07				25.61	1
				108	55	26.00				26.53	0
				108	109	25.03				25.52	1
				216	0	25.01				25.60	1
			16QAM	1	1	24.82				25.23	1
			64QAM	1	1	23.00				23.42	2.5
			256QAM	1	1	21.88				21.59	4.5
		CP	QPSK	1	1	24.38				24.03	1.5

NR Band n41 _90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]
						508200				
						2541 MHz			2644.98 MHz	
90 MHz	30	DFT-s	pi/2 BPSK	1	1	26.14			26.48	0
				1	123	26.02			26.54	0
				1	243	26.01			26.51	0
				120	0	25.69			26.20	0.5
				120	63	26.08			26.67	0
				120	125	25.55			26.03	0.5
				243	0	25.56			26.17	0.5
			QPSK	1	1	26.18			26.53	0
				1	123	26.04			26.60	0
				1	243	26.03			26.58	0
				120	0	25.17			25.74	1
				120	63	26.09			26.66	0
				120	125	25.03			25.60	1
				243	0	25.03			25.66	1
			16QAM	1	1	24.85			25.51	1
			64QAM	1	1	23.07			23.47	2.5
			256QAM	1	1	21.94			21.53	4.5
		CP	pi/2 BPSK	1	1	24.35			24.00	1.5

NR Band n41 _100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)				MPR [dB]
								518598		
								2592.99 MHz		
100 MHz	30	DFT-s	pi/2 BPSK	1	1			26.31		0
				1	137			26.37		0
				1	271			26.47		0
				135	0			25.96		0.5
				135	69			26.52		0
				135	138			26.01		0.5
				270	0			25.96		0.5
			QPSK	1	1			26.35		0
				1	137			26.46		0
				1	271			26.49		0
				135	0			25.49		1
				135	69			26.54		0
				135	138			25.62		1
				270	0			25.47		1
			16QAM	1	1			25.18		1
			64QAM	1	1			23.31		2.5
			256QAM	1	1			21.72		4.5
		CP	QPSK	1	1			24.16		1.5

[NR Band n66 Conducted Power] DSI=0 [Main Ant1]

NR Band n66 _5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						342500	349000	355500	
						1712.5 MHz	1745 MHz	1777.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.46	24.08	24.08	0
				1	13	23.37	24.12	24.10	0
				1	23	23.77	24.12	24.11	0
				12	0	22.98	23.65	23.71	0.5
				12	7	23.38	24.17	24.23	0
				12	13	23.18	23.69	23.72	0.5
			QPSK	25	0	23.92	23.71	23.73	0.5
				1	1	24.14	23.97	24.00	0
				1	13	23.95	24.07	24.05	0
				1	23	24.26	24.01	24.00	0
				12	0	23.15	23.21	23.17	1
				12	7	23.84	24.23	24.22	0
				12	13	23.24	23.19	23.22	1
				25	0	23.09	23.22	23.22	1
			16QAM	1	1	23.26	23.48	23.54	1
			64QAM	1	1	21.67	21.53	21.55	2.5
			256QAM	1	1	19.69	19.36	19.39	4.5
		CP	QPSK	1	1	22.58	22.55	22.54	1.5

NR Band n66 _10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343000	349000	355000	
						1715 MHz	1745 MHz	1775 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.91	24.20	24.17	0
				1	26	23.93	24.16	24.18	0
				1	50	24.52	24.15	24.14	0
				25	0	23.43	23.75	23.80	0.5
				25	14	23.94	24.21	24.27	0
				25	27	23.87	23.76	23.79	0.5
			QPSK	50	0	23.58	23.71	23.78	0.5
				1	1	23.62	24.16	24.10	0
				1	26	23.65	24.08	24.10	0
				1	50	24.35	24.02	24.10	0
				25	0	23.30	23.24	23.25	1
				25	14	23.81	24.23	24.28	0
				25	27	23.68	23.20	23.29	1
				50	0	23.09	23.23	23.30	1
			16QAM	1	1	23.14	23.63	23.60	1
			64QAM	1	1	21.99	21.66	21.59	2.5
			256QAM	1	1	19.85	19.50	19.46	4.5
		CP	QPSK	1	1	22.62	22.70	22.67	1.5

NR Band n66 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343500	349000	354500	
						1717.5 MHz	1745 MHz	1772.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.74	24.56	24.39	0
				1	40	24.02	24.73	24.34	0
				1	77	24.57	24.56	24.46	0
				36	0	23.39	24.35	24.06	0.5
				36	22	24.01	24.73	24.32	0
				36	43	24.01	24.28	24.21	0.5
				75	0	23.63	24.34	24.03	0.5
			QPSK	1	1	23.46	24.49	24.30	0
				1	40	23.75	24.44	24.02	0
				1	77	24.48	24.42	24.36	0
				36	0	23.26	23.83	23.70	1
				36	22	23.87	24.58	24.16	0
				36	43	23.69	23.78	23.75	1
				75	0	23.14	23.81	23.54	1
			16QAM	1	1	23.00	24.00	23.80	1
			64QAM	1	1	21.85	22.07	21.86	2.5
			256QAM	1	1	19.91	19.86	19.68	4.5
		CP	QPSK	1	1	22.47	23.09	22.92	1.5

NR Band n66 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						344000	349000	354000	
						1720 MHz	1745 MHz	1770 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.64	24.46	24.21	0
				1	53	24.22	24.74	24.31	0
				1	104	24.45	24.32	24.27	0
				50	0	23.50	24.32	24.16	0.5
				50	28	24.24	24.78	24.37	0
				50	56	24.14	24.19	24.12	0.5
				100	0	23.80	24.22	24.10	0.5
			QPSK	1	1	23.39	24.37	24.15	0
				1	53	23.98	24.48	23.97	0
				1	104	24.35	24.20	24.17	0
				50	0	23.39	23.84	23.67	1
				50	28	24.10	24.63	24.20	0
				50	56	23.62	23.71	23.72	1
				100	0	23.33	23.74	23.59	1
			16QAM	1	1	22.92	23.87	23.63	1
			64QAM	1	1	22.18	22.15	21.96	2.5
			256QAM	1	1	19.88	19.72	19.50	4.5
		CP	QPSK	1	1	22.39	22.95	22.72	1.5

NR Band n66 _ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.55		0
				1	80		24.33		0
				1	158		24.30		0
				80	0		24.03		0.5
				80	40		24.44		0
				80	80		23.95		0.5
				160	0		24.03		0.5
			QPSK	1	1		24.48		0
				1	80		24.20		0
				1	158		24.20		0
				80	0		23.55		1
				80	40		24.43		0
				80	80		23.46		1
				160	0		23.53		1
			16QAM	1	1		23.98		1
			64QAM	1	1		22.08		2.5
			256QAM	1	1		19.88		4.5
		CP	QPSK	1	1		23.11		1.5

NR Band n66 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		24.57		0
				1	108		24.33		0
				1	214		24.26		0
				108	0		24.14		0.5
				108	54		24.48		0
				108	108		23.99		0.5
				216	0		24.01		0.5
			QPSK	1	1		24.53		0
				1	108		24.19		0
				1	214		24.13		0
				108	0		23.61		1
				108	54		24.49		0
				108	108		23.48		1
				216	0		23.52		1
			16QAM	1	1		23.99		1
			64QAM	1	1		22.11		2.5
			256QAM	1	1		19.88		4.5
		CP	QPSK	1	1		23.17		1.5

[NR Band n71 Conducted Power] DSI=0 [Main Ant1]

NR Band n71 _ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						133100	136100	139100	
						665.5 MHz	680.5 MHz	695.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	24.02	23.67	24.23	0
				1	13	23.92	23.77	24.38	0
				1	23	23.87	23.69	24.31	0
				12	0	23.60	23.47	23.90	0.5
				12	7	23.96	23.85	24.30	0
				12	13	23.54	23.38	23.97	0.5
				25	0	23.55	23.43	24.02	0.5
			QPSK	1	1	23.88	23.64	24.13	0
				1	13	23.80	23.74	23.95	0
				1	23	23.77	23.61	24.15	0
				12	0	23.11	23.02	23.22	1
				12	7	23.98	23.87	24.06	0
				12	13	23.06	22.97	23.22	1
				25	0	23.06	22.97	23.20	1
			16QAM	1	1	23.36	23.17	23.57	1
			64QAM	1	1	21.48	21.26	21.66	2.5
			256QAM	1	1	19.27	19.05	19.43	4.5
		CP	QPSK	1	1	22.52	22.23	22.72	1.5

NR Band n71 _ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						133600	136100	138600	
						668 MHz	680.5 MHz	693 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.79	23.82	23.89	0
				1	26	24.73	23.81	24.09	0
				1	50	24.85	23.89	24.23	0
				25	0	24.02	23.42	23.65	0.5
				25	14	24.79	23.88	24.15	0
				25	27	24.42	23.54	23.80	0.5
				50	0	24.26	23.49	23.76	0.5
			QPSK	1	1	23.64	23.73	23.86	0
				1	26	24.58	23.71	23.95	0
				1	50	24.92	23.81	24.05	0
				25	0	23.57	23.10	23.20	1
				25	14	24.76	24.03	24.15	0
				25	27	23.86	23.23	23.16	1
				50	0	23.80	23.11	23.23	1
			16QAM	1	1	23.20	23.22	23.38	1
			64QAM	1	1	21.50	21.48	21.45	2.5
			256QAM	1	1	19.25	19.09	19.06	4.5
		CP	QPSK	1	1	22.52	22.41	22.44	1.5

NR Band n71 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							136100		
							680.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.83		0
				1	40		24.08		0
				1	77		23.42		0
				36	0		23.62		0.5
				36	22		24.07		0
				36	43		23.67		0.5
				75	0		23.66		0.5
			QPSK	1	1		23.56		0
				1	40		23.80		0
				1	77		23.13		0
				36	0		22.95		1
				36	22		23.89		0
				36	43		23.00		1
				75	0		22.97		1
			16QAM	1	1		23.06		1
			64QAM	1	1		21.34		2.5
			256QAM	1	1		19.18		4.5
		CP	QPSK	1	1		22.50		1.5

NR Band n71 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							136100		
							680.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.77		0
				1	53		24.15		0
				1	104		23.29		1
				50	0		23.57		0
				50	28		24.07		1
				50	56		23.50		1
				100	0		23.39		0
			QPSK	1	1		23.40		0
				1	53		23.78		0
				1	104		22.85		1
				50	0		22.78		0
				50	28		23.78		1
				50	56		22.72		1
				100	0		22.62		1
			16QAM	1	1		22.90		2.5
			64QAM	1	1		21.14		4.5
			256QAM	1	1		19.04		1.5
		CP	QPSK	1	1		22.03		0

[NR Band n77 Conducted Power_Power Class 3 _NSA] DSI=0 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647000	650600	654200	657800	661400	665000	
						3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz	
10MHz	30	DFT-s	pi/2 BPSK	1	1	23.92	24.17	24.65	25.04	24.23	24.28	0
				1	12	23.93	24.34	24.63	24.77	24.27	24.23	0
				1	22	24.06	24.64	24.83	24.56	24.27	24.14	0
				12	0	23.40	23.81	24.11	24.44	23.86	23.71	0.5
				12	6	23.87	24.36	24.84	24.83	24.29	24.27	0
				12	12	23.46	23.90	24.31	24.29	23.81	23.83	0.5
			QPSK	24	0	23.48	23.87	24.31	24.26	23.79	23.78	0.5
				1	1	23.88	24.12	24.53	24.87	24.28	24.19	0
				1	12	23.89	24.16	24.55	24.74	24.22	24.19	0
				1	22	24.01	24.51	24.79	24.60	24.27	24.11	0
				12	0	22.95	23.37	23.62	23.88	23.32	23.28	1
				12	6	23.94	24.41	24.79	24.89	24.23	24.20	0
				12	12	23.04	23.51	23.72	23.62	23.16	23.29	1
				24	0	22.99	23.35	23.75	23.75	23.25	23.24	1
			16QAM	1	1	22.86	23.11	23.47	23.65	23.11	23.24	1
			64QAM	1	1	21.08	21.33	21.61	21.93	21.24	21.29	2.5
			256QAM	1	1	19.33	19.60	19.98	20.36	19.68	19.68	4.5
		CP	QPSK	1	1	22.51	22.65	23.03	23.38	22.77	22.76	1.5

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647168	650700	654232	657766	661300	664832	
						3707.52 MHz	3760.5 MHz	3813.49 MHz	3866.5 MHz	3919.5 MHz	3972.48 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.26	24.85	25.13	25.10	24.80	24.36	0
				1	18	24.20	24.70	24.99	24.97	24.55	24.33	0
				1	36	24.28	24.90	25.12	25.05	24.69	24.31	0
				18	0	23.71	24.26	24.49	24.48	24.10	23.87	0.5
				18	9	24.19	24.71	24.96	24.97	24.55	24.28	0
				18	18	23.74	24.23	24.55	24.48	24.10	23.86	0.5
			QPSK	36	0	23.71	24.22	24.47	24.46	24.05	23.83	0.5
				1	1	24.23	24.82	25.05	25.07	24.77	24.34	0
				1	18	24.14	24.68	24.92	24.96	24.54	24.26	0
				1	36	24.20	24.89	25.09	25.04	24.64	24.32	0
				18	0	23.15	23.78	24.00	23.90	23.58	23.32	1
				18	9	24.13	24.70	24.93	24.97	24.54	24.26	0
				18	18	23.20	23.72	23.95	23.85	23.45	23.31	1
				36	0	23.18	23.74	23.95	23.85	23.57	23.30	1
			16QAM	1	1	23.22	23.89	23.97	24.02	23.73	23.42	1
			64QAM	1	1	21.45	22.01	22.11	22.10	21.80	21.56	2.5
			256QAM	1	1	19.59	20.14	20.28	20.25	19.97	19.71	4.5
		CP	QPSK	1	1	22.65	23.25	23.44	23.34	23.08	22.86	1.5

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647334	650800	654266	657734	661200	664666	
						3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.17	24.57	25.02	24.92	24.60	24.44	0
				1	26	24.10	24.57	24.92	24.89	24.45	24.37	0
				1	49	24.10	24.72	25.02	24.82	24.58	24.42	0
				25	0	23.65	24.14	24.48	24.45	24.11	23.97	0.5
				25	13	24.13	24.63	24.97	24.93	24.52	24.39	0
				25	26	23.65	24.24	24.56	24.43	24.06	23.99	0.5
				50	0	23.67	24.13	24.47	24.41	24.03	23.99	0.5
			QPSK	1	1	24.07	24.44	24.95	24.89	24.52	24.36	0
				1	26	24.00	24.48	24.78	24.73	24.35	24.31	0
				1	49	24.02	24.64	24.94	24.70	24.47	24.36	0
				25	0	23.12	23.66	24.02	23.84	23.49	23.45	1
				25	13	24.11	24.62	24.95	24.89	24.52	24.40	0
				25	26	23.10	23.63	23.92	23.82	23.43	23.47	1
				50	0	23.13	23.64	23.98	23.85	23.51	23.45	1
			16QAM	1	1	23.06	23.48	23.82	23.75	23.41	23.33	1
			64QAM	1	1	21.17	21.58	21.99	21.93	21.56	21.45	2.5
			256QAM	1	1	19.56	19.95	20.30	20.28	19.89	19.75	4.5
		CP	QPSK	1	1	22.62	23.03	23.42	23.40	22.96	22.86	1.5

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647668	651000	654334	657666	661000	664332	
						3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.17	24.43	24.81	25.16	24.52	24.50	0
				1	39	24.13	24.52	24.86	24.99	24.47	24.47	0
				1	76	24.28	24.82	25.10	24.79	24.56	24.42	0
				36	0	23.66	24.06	24.38	24.62	24.06	23.92	0.5
				36	21	24.16	24.57	24.99	25.03	24.48	24.43	0
				36	42	23.70	24.20	24.49	24.46	24.01	23.99	0.5
				75	0	23.69	24.07	24.48	24.55	24.00	24.02	0.5
			QPSK	1	1	24.08	24.38	24.71	25.09	24.44	24.40	0
				1	39	24.09	24.45	24.79	24.94	24.37	24.37	0
				1	76	24.19	24.80	25.00	24.75	24.50	24.35	0
				36	0	23.15	23.59	23.81	24.00	23.46	23.42	1
				36	21	24.17	24.56	24.96	25.02	24.47	24.41	0
				36	42	23.20	23.72	23.87	23.84	23.37	23.50	1
				75	0	23.17	23.59	23.90	23.96	23.46	23.50	1
			16QAM	1	1	23.08	23.31	23.66	23.92	23.31	23.41	1
			64QAM	1	1	21.28	21.57	21.89	22.18	21.49	21.58	2.5
			256QAM	1	1	19.56	19.83	20.16	20.48	19.86	19.87	4.5
		CP	QPSK	1	1	22.63	22.91	23.29	23.55	22.92	22.95	1.5

NR Band n77_ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648000	651200	654400	657600	660800	664000	
						3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.42	24.61	24.89	25.28	24.82	24.36	0
				1	53	24.14	24.68	24.96	24.92	24.62	24.33	0
				1	104	24.30	24.85	25.11	24.77	24.55	24.46	0
				50	0	23.79	24.13	24.44	24.64	24.18	23.81	0.5
				50	28	24.18	24.72	24.99	25.04	24.65	24.35	0
				50	56	23.69	24.33	24.48	24.34	24.04	23.99	0.5
				100	0	23.73	24.25	24.50	24.54	24.15	23.83	0.5
			QPSK	1	1	24.32	24.57	24.84	25.22	24.72	24.33	0
				1	53	24.04	24.60	24.83	24.88	24.53	24.27	0
				1	104	24.20	24.75	25.00	24.76	24.49	24.41	0
				50	0	23.25	23.64	23.82	24.04	23.59	23.32	1
				50	28	24.19	24.72	24.97	25.04	24.61	24.39	0
				50	56	23.16	23.74	23.98	23.85	23.40	23.45	1
				100	0	23.23	23.64	23.89	23.97	23.52	23.34	1
			16QAM	1	1	23.35	23.55	23.82	24.13	23.68	23.36	1
			64QAM	1	1	21.48	21.72	22.04	22.31	21.87	21.53	2.5
			256QAM	1	1	19.86	19.99	20.33	20.56	20.17	19.77	4.5
		CP	QPSK	1	1	22.93	23.13	23.40	23.68	23.28	22.91	1.5

NR Band n77_50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648334	652166	656000		659834	663666	
						3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.86	24.46	24.86		24.73	24.19	0
				1	67	23.94	24.61	24.92		24.57	24.18	0
				1	131	23.89	24.78	24.80		24.39	24.24	0
				64	0	23.36	24.09	24.41		24.06	23.79	0.5
				64	35	23.94	24.66	24.96		24.56	24.22	0
				64	69	23.44	24.15	24.44		23.92	23.73	0.5
				128	0	23.44	24.10	24.44		24.05	23.73	0.5
			QPSK	1	1	23.80	24.39	24.76		24.64	24.14	0
				1	67	23.85	24.50	24.83		24.44	24.10	0
				1	131	23.78	24.68	24.78		24.30	24.16	0
				64	0	22.87	23.56	23.77		23.47	23.27	1
				64	35	23.93	24.66	24.98		24.61	24.23	0
				64	69	22.93	23.66	23.84		23.30	23.23	1
				128	0	22.93	23.62	23.83		23.43	23.26	1
			16QAM	1	1	22.75	23.31	23.56		23.52	23.07	1
			64QAM	1	1	20.98	21.51	21.82		21.67	21.34	2.5
			256QAM	1	1	19.28	19.85	20.12		19.99	19.56	4.5
		CP	QPSK	1	1	22.36	22.94	23.22		23.06	22.70	1.5

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648668	653556			658444	663332	
						3730.02 MHz	3803.34 MHz			3876.66 MHz	3949.98 MHz	
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.98	24.67			24.80	24.29	0
				1	81	23.91	24.83			24.68	24.29	0
				1	160	23.88	24.82			24.48	24.35	0
				81	0	23.57	24.27			24.23	23.83	0.5
				81	41	23.96	24.83			24.73	24.31	0
				81	81	23.42	24.35			24.11	23.87	0.5
				162	0	23.49	24.31			24.24	23.81	0.5
			QPSK	1	1	23.91	24.61			24.69	24.21	0
				1	81	23.82	24.74			24.60	24.23	0
				1	160	23.79	24.74			24.41	24.29	0
				81	0	23.06	23.66			23.64	23.23	1
				81	41	23.94	24.83			24.71	24.29	0
				81	81	22.90	23.72			23.48	23.22	1
				162	0	23.00	23.71			23.61	23.29	1
			16QAM	1	1	22.80	23.47			23.66	23.08	1
			64QAM	1	1	21.07	21.69			21.86	21.34	2.5
			256QAM	1	1	19.38	19.97			20.17	19.64	4.5
		CP	QPSK	1	1	22.33	23.04			23.29	22.75	1.5

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649000	654336			658334	663000	
						3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.86	24.36			24.68	24.17	0
				1	95	23.86	24.64			24.54	24.14	0
				1	187	23.89	24.34			24.32	24.01	0
				90	0	23.41	24.06			24.13	23.63	0.5
				90	50	23.89	24.67			24.58	24.16	0
				90	99	23.42	24.23			23.96	23.74	0.5
				180	0	23.41	24.15			24.07	23.71	0.5
			QPSK	1	1	23.78	24.30			24.62	24.10	0
				1	95	23.80	24.60			24.46	24.07	0
				1	187	23.86	23.64			23.88	23.93	0
				90	0	22.89	23.46			23.61	23.12	1
				90	50	23.89	24.69			24.59	24.17	0
				90	99	22.88	23.73			23.32	23.22	1
				180	0	22.89	23.57			23.49	23.12	1
			16QAM	1	1	22.66	23.25			23.41	22.91	1
			64QAM	1	1	20.93	21.44			21.67	21.14	2.5
			256QAM	1	1	19.22	19.75			19.95	19.42	4.5
		CP	QPSK	1	1	22.33	22.87			23.12	22.56	1.5

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649334		656000		662666		
						3740.01 MHz		3840 MHz		3939.99 MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.94		24.63		24.23		0
				1	109	23.93		24.79		24.24		0
				1	215	23.86		24.57		24.18		0
				108	0	23.53		24.20		23.77		0.5
				108	55	23.94		24.82		24.29		0
				108	109	23.38		24.18		23.68		0.5
				216	0	23.43		24.18		23.72		0.5
			QPSK	1	1	23.85		24.55		24.13		0
				1	109	23.84		24.73		24.18		0
				1	215	23.78		24.51		24.11		0
				108	0	23.01		23.71		23.18		1
				108	55	23.94		24.83		24.23		0
				108	109	22.88		23.58		23.14		1
				216	0	22.95		23.69		23.09		1
			16QAM	1	1	22.78		23.31		23.03		1
			64QAM	1	1	21.01		21.59		21.28		2.5
			256QAM	1	1	19.30		19.88		19.60		4.5
		CP	QPSK	1	1	22.42		23.03		22.70		1.5

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649668		656000		662332		
						3745.02 MHz		3840 MHz		3934.98 MHz		
90MHz	30	DFT-s	pi/2 BPSK	1	1	23.80		24.52		24.41		0
				1	123	23.81		24.82		24.28		0
				1	243	23.95		24.46		24.11		0
				120	0	23.37		24.21		23.89		0.5
				120	63	23.84		24.80		24.26		0
				120	125	23.37		24.19		23.61		0.5
				243	0	23.40		24.17		23.75		0.5
			QPSK	1	1	23.70		24.44		24.42		0
				1	123	23.72		24.72		24.23		0
				1	243	23.86		24.39		24.08		0
				120	0	22.85		23.64		23.31		1
				120	63	23.84		24.83		24.27		0
				120	125	22.87		23.51		23.11		1
				243	0	22.86		23.59		23.27		1
			16QAM	1	1	22.64		23.42		23.23		1
			64QAM	1	1	20.84		21.64		21.46		2.5
			256QAM	1	1	19.21		19.92		19.68		4.5
		CP	QPSK	1	1	22.26		23.05		22.86		1.5

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						650000		656000		662000		
						3750 MHz		3840 MHz		3930 MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	23.90		24.51		24.37		0
				1	137	23.86		24.80		24.21		0
				1	271	23.85		24.48		24.30		0
				135	0	23.47		24.19		23.79		0.5
				135	69	23.84		24.84		24.25		0
				135	138	23.32		24.13		23.67		0.5
				270	0	23.37		24.16		23.71		0.5
			QPSK	1	1	23.78		24.40		24.27		0
				1	137	23.75		24.68		24.15		0
				1	271	23.75		24.41		24.19		0
				135	0	22.92		23.62		23.29		1
				135	69	23.86		24.81		24.26		0
				135	138	22.81		23.59		23.16		1
				270	0	22.87		23.61		23.23		1
			16QAM	1	1	22.76		23.47		23.32		1
			64QAM	1	1	20.95		21.63		21.48		2.5
			256QAM	1	1	19.28		19.93		19.78		4.5
		CP	QPSK	1	1	22.31		23.02		22.85		1.5

[NR Band n77 Conducted Power_Power Class 2 _NSA] DSI=0 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647000	650600	654200	657800	661400	665000	
						3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.28	26.45	26.72	27.11	26.49	26.52	0
				1	12	26.19	26.44	26.87	26.92	26.40	26.51	0
				1	22	26.26	26.76	26.99	26.76	26.53	26.42	0
				12	0	25.77	26.14	26.32	26.62	26.07	26.00	0.5
				12	6	26.14	26.59	26.90	26.95	26.38	26.36	0
				12	12	25.69	26.24	26.48	26.55	25.96	25.87	0.5
			QPSK	24	0	25.72	26.10	26.49	26.54	25.95	25.99	0.5
				1	1	26.08	26.35	26.68	27.06	26.41	26.43	0
				1	12	26.07	26.47	26.78	26.96	26.34	26.39	0
				1	22	26.11	26.72	27.01	26.64	26.41	26.33	0
				12	0	25.29	25.51	25.85	26.02	25.59	25.44	1
				12	6	26.29	26.55	26.91	27.03	26.44	26.48	0
				12	12	25.25	25.72	26.00	25.95	25.49	25.51	1
				24	0	25.23	25.50	26.06	26.08	25.44	25.50	1
			16QAM	1	1	25.18	25.40	25.64	26.01	25.34	25.51	1
			64QAM	1	1	23.29	23.55	23.71	24.18	23.59	23.60	2.5
			256QAM	1	1	21.61	21.82	22.17	22.35	21.86	21.91	4.5
		CP	QPSK	1	1	24.72	24.95	25.29	25.55	25.05	25.00	1.5

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647168	650700	654232	657766	661300	664832	
						3707.52 MHz	3760.5 MHz	3813.49 MHz	3866.5 MHz	3919.5 MHz	3972.48 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.45	26.88	27.17	27.10	26.92	26.28	0
				1	18	26.43	26.77	27.08	27.09	26.73	26.33	0
				1	36	26.46	26.96	27.17	27.08	26.74	26.26	0
				18	0	25.86	26.39	26.69	26.62	26.37	25.88	0.5
				18	9	26.38	26.92	27.05	27.12	26.69	26.42	0
				18	18	25.92	26.44	26.67	26.62	26.22	25.90	0.5
			QPSK	36	0	25.94	26.34	26.63	26.69	26.19	25.90	0.5
				1	1	26.49	26.79	27.21	27.09	26.85	26.24	0
				1	18	26.38	26.76	26.99	27.09	26.73	26.30	0
				1	36	26.40	26.91	27.12	27.08	26.78	26.22	0
				18	0	25.42	25.89	26.11	26.12	25.82	25.40	1
				18	9	26.37	26.86	27.05	26.98	26.73	26.44	0
				18	18	25.41	25.94	26.19	26.16	25.72	25.47	1
				36	0	25.44	25.89	26.16	26.19	25.78	25.39	1
			16QAM	1	1	25.52	25.86	26.16	26.08	25.87	25.27	1
			64QAM	1	1	23.59	24.03	24.30	24.27	24.07	23.82	2.5
			256QAM	1	1	21.75	22.16	22.41	22.35	22.03	21.91	4.5
		CP	QPSK	1	1	24.83	25.22	25.54	25.53	25.21	24.61	1.5

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647334	650800	654266	657734	661200	664666	
						3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.44	26.71	27.17	27.10	26.81	26.58	0
				1	26	26.34	26.76	27.07	27.03	26.65	26.59	0
				1	49	26.43	26.90	27.22	26.98	26.74	26.61	0
				25	0	25.92	26.36	26.69	26.64	26.32	26.12	0.5
				25	13	26.40	26.83	27.14	27.10	26.68	26.61	0
				25	26	25.94	26.47	26.76	26.61	26.24	26.14	0.5
				50	0	25.92	26.34	26.67	26.64	26.24	26.16	0.5
			QPSK	1	1	26.38	26.66	27.09	27.08	26.74	26.51	0
				1	26	26.24	26.63	27.03	27.00	26.53	26.50	0
				1	49	26.32	26.87	27.08	26.89	26.70	26.55	0
				25	0	25.45	25.87	26.22	26.18	25.81	25.60	1
				25	13	26.41	26.78	27.15	27.07	26.68	26.56	0
				25	26	25.44	25.96	26.26	26.11	25.76	25.67	1
				50	0	25.43	25.82	26.20	26.16	25.73	25.63	1
			16QAM	1	1	25.46	25.74	26.21	26.10	25.74	25.61	1
			64QAM	1	1	23.49	23.83	24.26	24.18	23.81	23.74	2.5
			256QAM	1	1	21.75	22.11	22.49	22.42	22.04	21.91	4.5
		CP	QPSK	1	1	24.93	25.27	25.70	25.67	25.30	25.09	1.5

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						647668	651000	654334	657666	661000	664332	
						3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.42	26.65	26.91	27.34	26.69	26.68	0
				1	39	26.40	26.68	27.04	27.17	26.60	26.66	0
				1	76	26.43	27.02	27.29	26.96	26.74	26.65	0
				36	0	25.95	26.30	26.58	26.79	26.26	26.18	0.5
				36	21	26.42	26.75	27.13	27.18	26.65	26.64	0
				36	42	25.93	26.41	26.67	26.70	26.21	26.17	0.5
				75	0	25.96	26.27	26.70	26.73	26.18	26.20	0.5
			QPSK	1	1	26.35	26.56	26.88	27.24	26.66	26.64	0
				1	39	26.31	26.64	26.95	27.17	26.55	26.59	0
				1	76	26.38	26.93	27.21	26.91	26.62	26.55	0
				36	0	25.43	25.74	26.11	26.28	25.78	25.69	1
				36	21	26.43	26.78	27.15	27.23	26.66	26.63	0
				36	42	25.47	25.91	26.19	26.15	25.74	25.65	1
				75	0	25.44	25.80	26.23	26.26	25.70	25.67	1
			16QAM	1	1	25.45	25.54	25.80	26.19	25.61	25.70	1
			64QAM	1	1	23.48	23.72	23.97	24.38	23.74	23.79	2.5
			256QAM	1	1	21.80	22.02	22.35	22.61	21.99	22.10	4.5
		CP	QPSK	1	1	24.91	25.14	25.49	25.79	25.22	25.21	1.5

NR Band n77_ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648000	651200	654400	657600	660800	664000	
						3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.71	26.84	27.12	27.40	26.99	26.65	0
				1	53	26.42	26.85	27.12	27.21	26.78	26.62	0
				1	104	26.46	27.06	27.32	26.96	26.77	26.72	0
				50	0	26.03	26.33	26.64	26.87	26.39	26.13	0.5
				50	28	26.49	26.91	27.17	27.20	26.84	26.61	0
				50	56	25.96	26.54	26.71	26.52	26.27	26.20	0.5
				100	0	25.99	26.44	26.72	26.75	26.37	26.15	0.5
			QPSK	1	1	26.62	26.78	27.03	27.47	26.94	26.56	0
				1	53	26.35	26.79	27.08	27.16	26.73	26.56	0
				1	104	26.43	26.99	27.23	26.93	26.68	26.68	0
				50	0	25.54	25.86	26.18	26.37	25.93	25.64	1
				50	28	26.47	26.90	27.21	27.26	26.84	26.61	0
				50	56	25.48	26.07	26.20	26.06	25.74	25.71	1
				100	0	25.53	25.94	26.24	26.28	25.91	25.66	1
			16QAM	1	1	25.69	25.86	26.14	26.45	26.01	25.64	1
			64QAM	1	1	23.71	23.94	24.16	24.54	24.04	23.76	2.5
			256QAM	1	1	22.04	22.26	22.54	22.83	22.46	22.02	4.5
		CP	QPSK	1	1	25.19	25.31	25.63	25.93	25.49	25.14	1.5

NR Band n77_50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648334	652166	656000		659834	663666	
						3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.15	26.71	27.09		26.94	26.47	0
				1	67	26.17	26.83	27.17		26.79	26.41	0
				1	131	26.19	26.99	27.08		26.58	26.53	0
				64	0	25.65	26.32	26.66		26.36	25.98	0.5
				64	35	26.17	26.89	27.18		26.81	26.45	0
				64	69	25.77	26.40	26.73		26.19	25.93	0.5
				128	0	25.65	26.37	26.67		26.29	25.95	0.5
			QPSK	1	1	26.08	26.61	26.95		26.86	26.44	0
				1	67	26.09	26.75	27.09		26.79	26.36	0
				1	131	26.10	26.94	27.01		26.56	26.45	0
				64	0	25.19	25.80	26.17		25.87	25.51	1
				64	35	26.15	26.88	27.20		26.82	26.46	0
				64	69	25.30	25.93	26.21		25.70	25.49	1
				128	0	25.20	25.85	26.20		25.83	25.50	1
			16QAM	1	1	25.09	25.56	25.99		25.92	25.43	1
			64QAM	1	1	23.19	23.73	24.17		24.05	23.55	2.5
			256QAM	1	1	21.59	22.09	22.34		22.21	21.82	4.5
		CP	QPSK	1	1	24.66	25.20	25.61		25.39	25.03	1.5

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648668	653556			658444	663332	
						3730.02 MHz	3803.34 MHz			3876.66 MHz	3949.98 MHz	
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.23	26.93			27.05	26.52	0
				1	81	26.24	27.04			26.91	26.51	0
				1	160	26.20	27.07			26.71	26.60	0
				81	0	25.75	26.54			26.48	26.15	0.5
				81	41	26.17	27.03			26.95	26.56	0
				81	81	25.73	26.62			26.39	26.12	0.5
				162	0	25.71	26.58			26.50	26.08	0.5
			QPSK	1	1	26.21	26.79			26.95	26.49	0
				1	81	26.12	26.95			26.88	26.47	0
				1	160	26.10	27.04			26.66	26.52	0
				81	0	25.29	26.01			26.03	25.63	1
				81	41	26.19	27.08			26.98	26.55	0
				81	81	25.28	26.15			25.90	25.64	1
				162	0	25.24	26.05			26.01	25.56	1
			16QAM	1	1	25.18	25.95			26.00	25.43	1
			64QAM	1	1	23.31	23.98			24.05	23.59	2.5
			256QAM	1	1	21.69	22.26			22.43	21.94	4.5
		CP	QPSK	1	1	24.81	25.43			25.52	25.01	1.5

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649000	654336			658334	663000	
						3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.12	26.60			26.92	26.40	0
				1	95	26.17	26.87			26.78	26.38	0
				1	187	26.21	26.50			26.96	26.49	0
				90	0	25.61	26.38			26.39	25.89	0.5
				90	50	26.20	26.94			26.83	26.40	0
				90	99	25.72	26.51			26.20	26.02	0.5
				180	0	25.74	26.40			26.37	25.97	0.5
			QPSK	1	1	26.03	26.55			26.89	26.38	0
				1	95	26.12	26.85			26.80	26.36	0
				1	187	26.13	26.39			26.86	26.42	0
				90	0	25.15	25.83			25.85	25.38	1
				90	50	26.22	26.89			26.80	26.41	0
				90	99	25.27	25.99			25.74	25.56	1
				180	0	25.24	25.93			25.84	25.51	1
			16QAM	1	1	25.07	25.54			25.86	25.36	1
			64QAM	1	1	23.18	23.65			23.99	23.49	2.5
			256QAM	1	1	21.54	22.01			22.20	21.66	4.5
		CP	QPSK	1	1	24.69	25.10			25.45	24.89	1.5

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649334		656000		662666		
						3740.01 MHz		3840 MHz		3939.99 MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.23		26.88		26.49		0
				1	109	26.24		27.02		26.54		0
				1	215	26.18		26.80		26.46		0
				108	0	25.75		26.49		26.09		0.5
				108	55	26.29		27.09		26.57		0
				108	109	25.74		26.46		26.00		0.5
				216	0	25.80		26.49		26.03		0.5
			QPSK	1	1	26.13		26.86		26.45		0
				1	109	26.19		27.00		26.44		0
				1	215	26.04		26.77		26.41		0
				108	0	25.24		25.99		25.57		1
				108	55	26.27		27.05		26.54		0
				108	109	25.25		25.93		25.50		1
				216	0	25.30		25.96		25.55		1
			16QAM	1	1	25.27		25.90		25.49		1
			64QAM	1	1	23.31		23.94		23.59		2.5
			256QAM	1	1	21.67		22.28		21.98		4.5
		CP	QPSK	1	1	24.78		25.42		25.03		1.5

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649668		656000		662332		
						3745.02 MHz		3840 MHz		3934.98 MHz		
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.13		26.76		26.71		0
				1	123	26.17		27.06		26.54		0
				1	243	26.32		26.73		26.35		0
				120	0	25.61		26.48		26.17		0.5
				120	63	26.19		27.08		26.54		0
				120	125	25.76		26.45		25.92		0.5
				243	0	25.74		26.46		26.04		0.5
			QPSK	1	1	26.02		26.72		26.69		0
				1	123	26.11		26.98		26.52		0
				1	243	26.20		26.69		26.34		0
				120	0	25.10		26.01		25.69		1
				120	63	26.20		27.06		26.53		0
				120	125	25.27		25.92		25.44		1
				243	0	25.22		25.97		25.58		1
			16QAM	1	1	25.13		25.77		25.71		1
			64QAM	1	1	23.11		23.83		23.76		2.5
			256QAM	1	1	21.50		22.25		22.06		4.5
		CP	QPSK	1	1	24.66		25.30		25.25		1.5

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						650000		656000		662000		
						3750 MHz		3840 MHz		3930 MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.20		26.74		26.60		0
				1	137	26.25		27.06		26.47		0
				1	271	26.17		26.73		26.55		0
				135	0	25.70		26.51		26.10		0.5
				135	69	26.18		27.13		26.43		0
				135	138	25.70		26.41		25.95		0.5
			QPSK	270	0	25.73		26.53		26.02		0.5
				1	1	26.08		26.76		26.64		0
				1	137	26.10		27.08		26.44		0
				1	271	26.12		26.74		26.45		0
				135	0	25.17		26.01		25.56		1
				135	69	26.20		27.09		26.50		0
				135	138	25.17		25.98		25.48		1
				270	0	25.25		25.96		25.49		1
			16QAM	1	1	25.19		25.76		25.63		1
			64QAM	1	1	23.19		23.87		23.70		2.5
			256QAM	1	1	21.59		22.25		22.06		4.5
		CP	QPSK	1	1	24.61		25.32		25.16		1.5

[NR Band n77 Conducted Power_DoD _Power Class 3 _NSA] DSI=0 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630334	633334	636322	
						3455.01MHz	3500.01MHz	3544.99 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.44	24.36	24.24	0
				1	12	24.32	24.22	24.19	0
				1	22	24.37	24.23	24.31	0
				12	0	23.86	23.74	23.69	0.5
				12	6	24.33	24.23	24.19	0
				12	12	23.86	23.80	23.66	0.5
			QPSK	24	0	23.83	23.70	23.75	0.5
				1	1	24.45	24.37	24.23	0
				1	12	24.30	24.18	24.22	0
				1	22	24.36	24.22	24.35	0
				12	0	23.38	23.21	23.23	1
				12	6	24.33	24.19	24.16	0
				12	12	23.38	23.25	23.22	1
				24	0	23.32	23.22	23.19	1
			16QAM	1	1	23.53	23.41	23.33	1
			64QAM	1	1	21.63	21.48	21.43	2.5
			256QAM	1	1	19.78	19.68	19.63	4.5
		CP	QPSK	1	1	22.81	22.71	22.70	1.5

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01MHz	3542.5 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.42	24.40	24.39	0
				1	18	24.42	24.37	24.38	0
				1	36	24.50	24.45	24.58	0
				18	0	23.92	23.85	23.86	0.5
				18	9	24.38	24.34	24.35	0
				18	18	23.93	23.89	23.90	0.5
			QPSK	36	0	23.91	23.89	23.87	0.5
				1	1	24.44	24.41	24.40	0
				1	18	24.42	24.38	24.40	0
				1	36	24.51	24.48	24.54	0
				18	0	23.42	23.40	23.38	1
				18	9	24.39	24.37	24.38	0
				18	18	23.45	23.41	23.39	1
				36	0	23.43	23.40	23.39	1
			16QAM	1	1	23.47	23.41	23.50	1
			64QAM	1	1	21.60	21.54	21.59	2.5
			256QAM	1	1	19.78	19.75	19.73	4.5
		CP	QPSK	1	1	22.82	22.82	22.79	1.5

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.70	24.62	24.37	0
				1	26	24.63	24.47	24.22	0
				1	49	24.65	24.48	24.31	0
				25	0	24.16	24.03	23.79	0.5
				25	13	24.63	24.50	24.25	0
				25	26	24.18	24.00	23.79	0.5
				50	0	24.16	24.01	23.80	0.5
			QPSK	1	1	24.63	24.52	24.26	0
				1	26	24.52	24.35	24.16	0
				1	49	24.56	24.38	24.26	0
				25	0	23.65	23.53	23.31	1
				25	13	24.63	24.50	24.26	0
				25	26	23.68	23.53	23.30	1
				50	0	23.68	23.53	23.28	1
			16QAM	1	1	23.63	23.64	23.32	1
			64QAM	1	1	21.71	21.70	21.39	2.5
			256QAM	1	1	20.10	19.98	19.75	4.5
		CP	QPSK	1	1	23.16	23.12	22.83	1.5

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.76	24.75	24.51	0
				1	26	24.70	24.58	24.38	0
				1	49	24.69	24.50	24.30	0
				25	0	24.27	24.23	23.98	0.5
				25	13	24.73	24.64	24.39	0
				25	26	24.71	24.58	24.35	0.5
				50	0	24.26	24.17	23.89	0.5
			QPSK	1	1	24.74	24.65	24.41	0
				1	26	24.65	24.49	24.24	0
				1	49	24.62	24.44	24.22	0
				25	0	23.80	23.75	23.48	1
				25	13	24.74	24.63	24.37	0
				25	26	24.43	24.47	24.35	1
				50	0	23.74	23.67	23.41	1
			16QAM	1	1	23.63	23.73	23.50	1
			64QAM	1	1	21.89	21.83	21.54	2.5
			256QAM	1	1	20.14	20.11	19.88	4.5
		CP	QPSK	1	1	23.26	23.26	23.01	1.5

NR Band n77_ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631334	633334	635334	
						3470.01MHz	3500.01MHz	3530.01 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.85	24.79	24.66	0
				1	53	24.71	24.55	24.40	0
				1	104	24.80	24.62	24.51	0
				50	0	24.30	24.19	24.03	0.5
				50	28	24.77	24.61	24.42	0
				50	56	24.30	24.09	23.97	0.5
				100	0	24.30	24.15	24.00	0.5
			QPSK	1	1	24.75	24.71	24.57	0
				1	53	24.57	24.45	24.26	0
				1	104	24.68	24.49	24.37	0
				50	0	23.81	23.74	23.57	1
				50	28	24.76	24.61	24.45	0
				50	56	23.81	23.62	23.46	1
				100	0	23.81	23.67	23.52	1
			16QAM	1	1	23.81	23.78	23.63	1
			64QAM	1	1	21.86	21.83	21.67	2.5
			256QAM	1	1	20.23	20.21	20.04	4.5
		CP	QPSK	1	1	23.31	23.34	23.13	1.5

NR Band n77_ 50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631666		635000	
						3474.99MHz		3525MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	24.68		24.36	0
				1	67	24.62		24.11	0
				1	131	24.41		24.07	0
				64	0	24.24		23.77	0.5
				64	35	24.64		24.13	0
				64	69	24.07		23.60	0.5
				128	0	24.13		23.69	0.5
			QPSK	1	1	24.61		24.32	0
				1	67	24.55		23.96	0
				1	131	24.29		23.95	0
				64	0	23.74		23.29	1
				64	35	24.66		24.16	0
				64	69	23.54		23.10	1
				128	0	23.64		23.17	1
			16QAM	1	1	23.63		23.33	1
			64QAM	1	1	21.77		21.40	2.5
			256QAM	1	1	20.12		19.75	4.5
		CP	QPSK	1	1	23.26		22.84	1.5

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	1		24.60		0
				1	81		24.48		0
				1	160		24.23		0
				81	0		24.09		0.5
				81	41		24.46		0
				81	81		23.84		0.5
				162	0		23.96		0.5
			QPSK	1	1		24.47		0
				1	81		24.36		0
				1	160		24.09		0
				81	0		23.58		1
				81	41		24.46		0
				81	81		23.35		1
				162	0		23.47		1
			16QAM	1	1		23.52		1
			64QAM	1	1		21.63		2.5
			256QAM	1	1		20.00		4.5
		CP	QPSK	1	1		23.05		1.5

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	1		24.48		0
				1	95		24.21		0
				1	187		24.12		0
				90	0		23.89		0.5
				90	50		24.28		0
				90	99		23.77		0.5
				180	0		23.79		0.5
			QPSK	1	1		24.32		0
				1	95		24.12		0
				1	187		24.03		0
				90	0		23.40		1
				90	50		24.25		0
				90	99		23.28		1
				180	0		23.30		1
			16QAM	1	1		23.45		1
			64QAM	1	1		21.47		2.5
			256QAM	1	1		19.86		4.5
		CP	QPSK	1	1		23.01		1.5

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		24.40		0
				1	109		24.21		0
				1	215		24.09		0
				108	0		23.89		0.5
				108	55		24.28		0
				108	109		23.73		0.5
				216	0		23.80		0.5
			QPSK	1	1		24.33		0
				1	109		24.11		0
				1	215		24.02		0
				108	0		23.43		1
				108	55		24.27		0
				108	109		23.27		1
				216	0		23.30		1
			16QAM	1	1		23.34		1
			64QAM	1	1		21.42		2.5
			256QAM	1	1		19.80		4.5
		CP	QPSK	1	1		22.94		1.5

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01MHz		
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		24.38		0
				1	123		24.22		0
				1	243		24.16		0
				120	0		23.90		0.5
				120	63		24.27		0
				120	125		23.74		0.5
				243	0		23.76		0.5
			QPSK	1	1		24.27		0
				1	123		24.12		0
				1	243		24.05		0
				120	0		23.43		1
				120	63		24.26		0
				120	125		23.26		1
				243	0		23.27		1
			16QAM	1	1		23.27		1
			64QAM	1	1		21.42		2.5
			256QAM	1	1		19.84		4.5
		CP	QPSK	1	1		22.89		1.5

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		24.38		0
				1	137		24.22		0
				1	271		24.17		0
				135	0		23.93		0.5
				135	69		24.28		0
				135	138		23.75		0.5
				270	0		23.78		0.5
			QPSK	1	1		24.26		0
				1	137		24.08		0
				1	271		24.12		0
				135	0		23.44		1
				135	69		24.29		0
				135	138		23.26		1
				270	0		23.26		1
			16QAM	1	1		23.33		1
			64QAM	1	1		21.49		2.5
			256QAM	1	1		19.80		4.5
		CP	QPSK	1	1		22.82		1.5

[NR Band n77 Conducted Power_DoD _Power Class 2 _NSA] DSI=0 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630334	633334	636322	
						3455.01MHz	3500.01MHz	3544.99 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.59	26.51	26.46	0
				1	12	26.54	26.47	26.31	0
				1	22	26.51	26.39	26.42	0
				12	0	26.02	25.97	25.89	0.5
				12	6	26.55	26.40	26.41	0
				12	12	26.10	25.94	25.88	0.5
			QPSK	24	0	26.03	25.93	25.89	0.5
				1	1	26.63	26.49	26.50	0
				1	12	26.53	26.38	26.41	0
				1	22	26.51	26.40	26.46	0
				12	0	25.49	25.48	25.35	1
				12	6	26.54	26.44	26.42	0
				12	12	25.61	25.48	25.46	1
				24	0	25.54	25.43	25.40	1
			16QAM	1	1	25.63	25.55	25.51	1
			64QAM	1	1	23.80	23.74	23.65	2.5
			256QAM	1	1	21.99	21.85	21.78	4.5
		CP	QPSK	1	1	25.10	24.99	24.77	1.5

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01MHz	3542.5 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.50	26.79	26.65	0
				1	18	26.62	26.83	26.68	0
				1	36	26.60	26.74	26.60	0
				18	0	26.12	26.36	26.21	0.5
				18	9	26.65	26.89	26.75	0
				18	18	26.21	26.38	26.23	0.5
			QPSK	36	0	26.20	26.40	26.24	0.5
				1	1	26.49	26.75	26.60	0
				1	18	26.55	26.76	26.61	0
				1	36	26.51	26.69	26.50	0
				18	0	25.63	25.89	25.73	1
				18	9	26.66	26.91	26.75	0
				18	18	25.72	25.89	25.76	1
				36	0	25.70	25.91	25.75	1
			16QAM	1	1	25.44	25.61	25.40	1
			64QAM	1	1	23.89	24.17	24.14	2.5
			256QAM	1	1	22.48	22.46	22.43	4.5
		CP	QPSK	1	1	24.92	25.19	25.04	1.5

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.87	26.84	26.56	0
				1	26	26.81	26.68	26.45	0
				1	49	26.83	26.63	26.45	0
				25	0	26.31	26.24	26.00	0.5
				25	13	26.83	26.68	26.46	0
				25	26	26.39	26.22	25.99	0.5
				50	0	26.37	26.23	25.99	0.5
			QPSK	1	1	26.83	26.79	26.47	0
				1	26	26.73	26.63	26.38	0
				1	49	26.82	26.60	26.35	0
				25	0	25.89	25.78	25.52	1
				25	13	26.85	26.70	26.47	0
				25	26	25.90	25.73	25.54	1
				50	0	25.89	25.75	25.51	1
			16QAM	1	1	25.88	25.87	25.51	1
			64QAM	1	1	24.04	23.86	23.64	2.5
			256QAM	1	1	22.27	22.23	21.95	4.5
		CP	QPSK	1	1	25.34	25.34	25.06	1.5

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.92	26.96	26.68	0
				1	26	26.89	26.77	26.57	0
				1	49	26.87	26.76	26.49	0
				25	0	26.48	26.41	26.16	0.5
				25	13	26.94	26.84	26.58	0
				25	26	26.95	26.81	26.54	0.5
				50	0	26.46	26.35	26.11	0.5
			QPSK	1	1	26.84	26.90	26.66	0
				1	26	26.81	26.73	26.54	0
				1	49	26.85	26.68	26.45	0
				25	0	25.96	25.94	25.71	1
				25	13	26.91	26.85	26.61	0
				25	26	26.42	26.40	26.17	1
				50	0	25.97	25.84	25.60	1
			16QAM	1	1	25.87	25.95	25.76	1
			64QAM	1	1	24.04	24.00	23.74	2.5
			256QAM	1	1	22.35	22.35	22.08	4.5
		CP	QPSK	1	1	25.42	25.41	25.21	1.5

NR Band n77_40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631334	633334	635334	
						3470.01MHz	3500.01MHz	3530.01 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	27.01	26.99	26.85	0
				1	53	26.89	26.75	26.55	0
				1	104	27.01	26.78	26.69	0
				50	0	26.48	26.41	26.22	0.5
				50	28	26.98	26.84	26.63	0
				50	56	26.50	26.31	26.21	0.5
				100	0	26.48	26.36	26.20	0.5
			QPSK	1	1	26.98	26.90	26.79	0
				1	53	26.84	26.66	26.53	0
				1	104	27.00	26.73	26.62	0
				50	0	26.02	25.96	25.77	1
				50	28	26.93	26.83	26.64	0
				50	56	26.01	25.81	25.67	1
				100	0	25.98	25.86	25.73	1
			16QAM	1	1	26.02	25.96	25.78	1
			64QAM	1	1	24.10	24.04	23.91	2.5
			256QAM	1	1	22.46	22.42	22.24	4.5
		CP	QPSK	1	1	25.51	25.49	25.31	1.5

NR Band n77_50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631666		635000	
						3474.99MHz		3525MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	26.94		26.58	0
				1	67	26.83		26.33	0
				1	131	26.63		26.33	0
				64	0	26.43		25.99	0.5
				64	35	26.84		26.37	0
				64	69	26.29		25.84	0.5
				128	0	26.35		25.91	0.5
			QPSK	1	1	26.81		26.47	0
				1	67	26.77		26.24	0
				1	131	26.52		26.15	0
				64	0	25.96		25.49	1
				64	35	26.81		26.36	0
				64	69	25.77		25.32	1
				128	0	25.83		25.41	1
			16QAM	1	1	25.95		25.56	1
			64QAM	1	1	24.03		23.65	2.5
			256QAM	1	1	22.37		21.93	4.5
		CP	QPSK	1	1	25.40		25.06	1.5

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	1		26.73		0
				1	81		26.65		0
				1	160		26.43		0
				81	0		26.28		0.5
				81	41		26.66		0
				81	81		26.05		0.5
				162	0		26.14		0.5
			QPSK	1	1		26.71		0
				1	81		26.60		0
				1	160		26.40		0
				81	0		25.79		1
				81	41		26.65		0
				81	81		25.56		1
				162	0		25.68		1
			16QAM	1	1		25.71		1
			64QAM	1	1		23.88		2.5
			256QAM	1	1		22.21		4.5
		CP	QPSK	1	1		25.30		1.5

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	1		26.43		0
				1	95		26.35		0
				1	187		26.31		0
				90	0		25.95		0.5
				90	50		26.33		0
				90	99		25.86		0.5
				180	0		25.89		0.5
			QPSK	1	1		26.48		0
				1	95		26.35		0
				1	187		26.33		0
				90	0		25.43		1
				90	50		26.38		0
				90	99		25.39		1
				180	0		25.41		1
			16QAM	1	1		25.39		1
			64QAM	1	1		23.67		2.5
			256QAM	1	1		21.83		4.5
		CP	QPSK	1	1		24.91		1.5

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		26.60		0
				1	109		26.44		0
				1	215		26.26		0
				108	0		26.12		0.5
				108	55		26.49		0
				108	109		25.89		0.5
				216	0		26.00		0.5
			QPSK	1	1		26.53		0
				1	109		26.33		0
				1	215		26.10		0
				108	0		25.62		1
				108	55		26.48		0
				108	109		25.38		1
				216	0		25.49		1
			16QAM	1	1		25.58		1
			64QAM	1	1		23.75		2.5
			256QAM	1	1		22.02		4.5
		CP	QPSK	1	1		25.14		1.5

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01MHz		
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		26.56		0
				1	123		26.42		0
				1	243		26.35		0
				120	0		26.15		0.5
				120	63		26.50		0
				120	125		25.87		0.5
				243	0		25.98		0.5
			QPSK	1	1		26.52		0
				1	123		26.35		0
				1	243		26.31		0
				120	0		25.62		1
				120	63		26.48		0
				120	125		25.38		1
				243	0		25.52		1
			16QAM	1	1		25.49		1
			64QAM	1	1		23.67		2.5
			256QAM	1	1		22.01		4.5
		CP	QPSK	1	1		25.12		1.5

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		26.56		0
				1	137		26.42		0
				1	271		26.36		0
				135	0		26.12		0.5
				135	69		26.48		0
				135	138		25.86		0.5
				270	0		26.00		0.5
			QPSK	1	1		26.44		0
				1	137		26.35		0
				1	271		26.32		0
				135	0		25.61		1
				135	69		26.48		0
				135	138		25.37		1
				270	0		25.52		1
			16QAM	1	1		25.43		1
			64QAM	1	1		23.68		2.5
			256QAM	1	1		22.01		4.5
		CP	QPSK	1	1		25.08		1.5

11.5.2 NR Band Reduced Conducted Power (Grip activated)

[NR Band n2 Conducted Power_ Grip activated] DSI=1 [Main Ant1]

NR Band n2 _ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR Allowed Per 3GPP [dB]
						370500	376000	381500	
						1852.5 MHz	1880 MHz	1907.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.10	13.30	13.12	0
				1	13	13.10	13.07	13.08	0
				1	23	13.05	13.18	12.98	0
				12	0	13.17	13.22	13.15	0
				12	7	13.15	13.13	13.10	0
				12	13	13.10	13.16	13.01	0
				25	0	13.15	13.18	13.13	0
			QPSK	1	1	12.98	13.14	12.96	0
				1	13	12.97	12.91	12.90	0
				1	23	12.90	13.02	12.86	0
				12	0	13.20	13.11	13.15	0
				12	7	13.16	13.04	13.08	0
				12	13	13.09	13.02	13.02	0
				25	0	13.12	13.04	13.09	0
			16QAM	1	1	13.47	13.39	13.46	0
			64QAM	1	1	13.05	13.09	13.00	0
			256QAM	1	1	12.93	13.09	12.87	0
		CP	QPSK	1	1	13.05	13.23	13.01	0

NR Band n2 _ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371000	376000	381000	
						1855 MHz	1880 MHz	1905 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.23	13.31	13.14	0
				1	26	13.20	13.33	13.05	0
				1	50	13.27	13.25	13.02	0
				25	0	13.31	13.34	13.18	0
				25	14	13.26	13.40	13.14	0
				25	27	13.33	13.36	13.11	0
				50	0	13.24	13.37	13.17	0
			QPSK	1	1	13.09	13.19	13.03	0
				1	26	13.09	13.22	12.93	0
				1	50	13.15	13.10	12.90	0
				25	0	13.29	13.35	13.17	0
				25	14	13.21	13.37	13.15	0
				25	27	13.56	13.32	13.09	0
				50	0	13.56	13.38	13.14	0
			16QAM	1	1	13.53	13.64	13.50	0
			64QAM	1	1	13.20	13.23	13.03	0
			256QAM	1	1	13.04	13.09	12.90	0
		CP	QPSK	1	1	13.20	13.25	13.09	0

NR Band n2 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371500	376000	380500	
						1857.5 MHz	1880 MHz	1902.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.16	13.39	13.26	0
				1	40	13.34	13.43	13.20	0
				1	77	13.45	13.33	13.18	0
				36	0	13.33	13.54	13.33	0
				36	22	13.41	13.53	13.31	0
				36	43	13.37	13.45	13.24	0
			QPSK	75	0	13.31	13.53	13.34	0
				1	1	13.08	13.33	13.18	0
				1	40	13.19	13.29	13.09	0
				1	77	13.32	13.27	13.04	0
				36	0	13.32	13.55	13.31	0
				36	22	13.41	13.51	13.31	0
				36	43	13.38	13.47	13.26	0
				75	0	13.34	13.55	13.31	0
			16QAM	1	1	13.51	13.78	13.61	0
			64QAM	1	1	13.08	13.31	13.17	0
			256QAM	1	1	12.96	13.24	13.09	0
		CP	QPSK	1	1	13.14	13.40	13.29	0

NR Band n2 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						372000	376000	380000	
						1860 MHz	1880 MHz	1900 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.06	13.45	13.35	0
				1	53	13.49	13.30	13.24	0
				1	104	13.54	13.54	13.20	0
				50	0	13.17	13.40	13.42	0
				50	28	13.55	13.41	13.41	0
				50	56	13.48	13.40	13.28	0
			QPSK	100	0	13.39	13.47	13.38	0
				1	1	12.88	13.30	13.23	0
				1	53	13.31	13.16	13.17	0
				1	104	13.36	13.40	13.06	0
				50	0	13.11	13.38	13.40	0
				50	28	13.46	13.35	13.36	0
				50	56	13.45	13.38	13.35	0
				100	0	13.35	13.44	13.38	0
			16QAM	1	1	13.06	13.58	13.65	0
			64QAM	1	1	12.64	13.16	13.24	0
			256QAM	1	1	12.93	13.25	13.14	0
		CP	QPSK	1	1	13.09	13.43	13.32	0

[NR Band n5 Conducted Power_ Grip activated] DSI=1 [Main Ant1]

NR Band n5_ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						165300	167300	169300	
						826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	15.80	16.03	16.20	0
				1	13	15.81	16.02	16.17	0
				1	23	15.93	16.00	16.32	0
				12	0	15.91	16.03	16.18	0
				12	7	15.92	16.08	16.24	0
				12	13	15.96	16.08	16.24	0
			QPSK	25	0	15.92	16.09	16.30	0
				1	1	15.72	15.90	16.09	0
				1	13	15.69	15.91	16.07	0
				1	23	15.83	15.93	16.22	0
				12	0	15.92	16.06	16.22	0
				12	7	15.88	16.06	16.24	0
				12	13	15.98	16.07	16.28	0
				25	0	15.94	16.12	16.27	0
			16QAM	1	1	16.16	16.36	16.51	0
			64QAM	1	1	15.70	15.96	16.09	0
			256QAM	1	1	15.56	15.85	15.94	0
		CP	QPSK	1	1	15.73	15.99	16.12	0

NR Band n5_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.94		0
				1	26		16.03		0
				1	50		16.09		0
				25	0		16.10		0
				25	14		16.13		0
				25	27		16.16		0
			QPSK	50	0		16.16		0
				1	1		15.84		0
				1	26		15.92		0
				1	50		15.97		0
				25	0		16.09		0
				25	14		16.13		0
				25	27		16.14		0
				50	0		16.14		0
			16QAM	1	1		16.28		0
			64QAM	1	1		15.89		0
			256QAM	1	1		15.72		0
		CP	QPSK	1	1		15.93		0

NR Band n5_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.98		0
				1	40		16.12		0
				1	77		16.13		0
				36	0		16.18		0
				36	22		16.20		0
				36	43		16.17		0
				75	0		16.16		0
			QPSK	1	1		15.87		0
				1	40		16.02		0
				1	77		16.06		0
				36	0		16.19		0
				36	22		16.17		0
				36	43		16.15		0
				75	0		16.23		0
			16QAM	1	1		16.33		0
			64QAM	1	1		15.95		0
			256QAM	1	1		15.82		0
		CP	QPSK	1	1		16.02		0

NR Band n5_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							167300		
							836.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		15.90		0
				1	53		16.16		0
				1	104		16.27		0
				50	0		16.14		0
				50	28		16.21		0
				50	56		16.24		0
				100	0		16.24		0
			QPSK	1	1		15.83		0
				1	53		16.05		0
				1	104		16.17		0
				50	0		16.14		0
				50	28		16.19		0
				50	56		16.30		0
				100	0		16.26		0
			16QAM	1	1		16.29		0
			64QAM	1	1		15.88		0
			256QAM	1	1		15.74		0
		CP	QPSK	1	1		15.94		0

[NR Band n25 Conducted Power _ Grip activated] DSI=1 [Main Ant1]

NR Band n25 _ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						370500	376500	382500	
						1852.5 MHz	1882.5 MHz	1912.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.88	14.09	13.73	0
				1	13	13.95	14.15	13.83	0
				1	23	13.96	14.11	13.78	0
				12	0	13.96	14.21	13.83	0
				12	7	13.98	14.17	13.87	0
				12	13	13.98	14.18	13.86	0
				25	0	14.01	14.16	13.86	0
			QPSK	1	1	13.77	13.95	13.62	0
				1	13	13.84	14.01	13.70	0
				1	23	13.80	13.98	13.63	0
				12	0	13.97	14.19	13.87	0
				12	7	13.99	14.17	13.85	0
				12	13	13.97	14.15	13.84	0
				25	0	14.00	14.20	13.86	0
			16QAM	1	1	14.19	14.39	14.12	0
			64QAM	1	1	13.77	13.99	13.72	0
			256QAM	1	1	13.66	13.85	13.61	0
		CP	QPSK	1	1	13.79	14.02	13.73	0

NR Band n25 _ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371000	376500	382000	
						1855 MHz	1882.5 MHz	1910 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.90	14.02	13.83	0
				1	26	14.02	14.12	13.68	0
				1	50	14.09	14.06	13.73	0
				25	0	14.15	14.14	13.74	0
				25	14	14.08	14.18	13.76	0
				25	27	14.12	14.14	13.82	0
			QPSK	50	0	14.11	14.23	13.78	0
				1	1	13.77	13.95	13.59	0
				1	26	13.90	13.98	13.58	0
				1	50	13.97	13.93	13.60	0
				25	0	14.11	14.11	13.79	0
				25	14	14.06	14.16	13.80	0
				25	27	14.10	14.17	13.81	0
				50	0	14.11	14.19	13.82	0
			16QAM	1	1	14.29	14.42	14.09	0
			64QAM	1	1	13.79	13.95	13.64	0
			256QAM	1	1	13.68	13.82	13.50	0
		CP	QPSK	1	1	13.86	14.03	13.70	0

NR Band n25 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						371500	376500	381500	
						1857.5 MHz	1882.5 MHz	1907.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.04	14.14	14.02	0
				1	40	14.04	14.09	13.92	0
				1	77	14.15	14.09	13.87	0
				36	0	14.11	14.25	14.09	0
				36	22	14.14	14.24	14.09	0
				36	43	14.21	14.2	14.05	0
			QPSK	75	0	14.08	14.22	14.08	0
				1	1	13.84	14.04	13.94	0
				1	40	13.84	13.96	13.80	0
				1	77	14.01	13.97	13.73	0
				36	0	14.09	14.27	14.12	0
				36	22	14.10	14.23	14.06	0
				36	43	14.18	14.17	14.09	0
				75	0	14.10	14.25	14.09	0
			16QAM	1	1	14.27	14.48	14.34	0
			64QAM	1	1	13.86	14.07	13.93	0
			256QAM	1	1	13.74	13.92	13.84	0
		CP	QPSK	1	1	13.91	14.13	13.99	0

NR Band n25 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						372000	376500	381000	
						1860 MHz	1882.5 MHz	1905 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.89	14.19	14.11	0
				1	53	14.02	14.18	13.33	0
				1	104	14.04	14.06	13.33	0
				50	0	14.06	14.33	13.72	0
				50	28	14.18	14.31	13.54	0
				50	56	14.25	14.21	13.34	0
			QPSK	100	0	14.18	14.28	13.63	0
				1	1	13.76	14.05	14.00	0
				1	53	13.93	14.04	13.21	0
				1	104	13.96	13.87	13.21	0
				50	0	14.07	14.31	13.72	0
				50	28	14.21	14.29	13.48	0
				50	56	14.24	14.19	13.32	0
				100	0	14.13	14.26	13.60	0
			16QAM	1	1	13.83	14.46	14.19	0
			64QAM	1	1	13.49	13.98	13.94	0
			256QAM	1	1	13.71	13.99	13.95	0
		CP	QPSK	1	1	13.84	14.11	14.10	0

NR Band n25 _ 25 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		14.37		0
				1	66		14.38		0
				1	131		14.23		0
				64	0		14.45		0
				64	35		14.45		0
				64	69		14.39		0
				128	0		14.44		0
			QPSK	1	1		14.32		0
				1	66		14.22		0
				1	131		14.12		0
				64	0		14.38		0
				64	35		14.48		0
				64	69		14.37		0
				128	0		14.39		0
			16QAM	1	1		14.42		0
			64QAM	1	1		14.36		0
			256QAM	1	1		14.46		0
		CP	QPSK	1	1		14.40		0

NR Band n25 _ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		14.10		0
				1	80		14.31		0
				1	158		14.07		0
				80	0		14.25		0
				80	40		14.24		0
				80	80		14.16		0
				160	0		14.26		0
			QPSK	1	1		13.98		0
				1	80		14.18		0
				1	158		13.90		0
				80	0		14.21		0
				80	40		14.25		0
				80	80		14.18		0
				160	0		14.29		0
			16QAM	1	1		14.43		0
			64QAM	1	1		14.04		0
			256QAM	1	1		13.97		0
		CP	QPSK	1	1		14.11		0

NR Band n25 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							376500		
							1882.5 MHz		
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		13.91		0
				1	108		14.07		0
				1	214		13.72		0
				108	0		14.09		0
				108	54		14.11		0
				108	108		14.07		0
				216	0		14.06		0
			QPSK	1	1		13.79		0
				1	108		13.93		0
				1	214		13.60		0
				108	0		14.06		0
				108	54		14.07		0
				108	108		14.03		0
				216	0		14.06		0
			16QAM	1	1		14.19		0
			64QAM	1	1		13.83		0
			256QAM	1	1		13.74		0
		CP	QPSK	1	1		13.90		0

[NR Band n41 Conducted Power_Power Class 3 _ Grip activated] DSI=1 [Main Ant1]

NR Band n41 _20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						501204	509898	518598	527298	535998	
						2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	14.24	13.77	14.14	13.70	13.60	0
				1	26	13.81	13.51	13.78	13.28	13.54	0
				1	49	13.48	13.28	13.68	13.27	13.78	0
				25	0	14.09	13.68	14.09	13.52	13.59	0
				25	13	13.91	13.57	13.89	13.40	13.64	0
				25	26	13.68	13.34	13.71	13.30	13.67	0
				50	0	13.85	13.55	13.92	13.40	13.61	0
			QPSK	1	1	14.19	13.80	14.09	13.64	13.58	0
				1	26	13.83	13.45	13.78	13.27	13.50	0
				1	49	13.45	13.28	13.63	13.25	13.75	0
				25	0	14.04	13.67	14.07	13.49	13.64	0
				25	13	13.89	13.53	13.89	13.37	13.60	0
				25	26	13.65	13.34	13.69	13.24	13.67	0
				50	0	13.90	13.54	13.91	13.39	13.63	0
			16QAM	1	1	14.18	13.75	14.05	13.67	13.62	0
			64QAM	1	1	13.92	13.50	13.77	13.41	13.39	0
			256QAM	1	1	13.99	13.62	13.93	13.50	13.44	0
		CP	QPSK	1	1	14.15	13.66	13.98	13.52	13.45	0

NR Band n41 _30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						502200	513468	518598	523734	535000	
						2511 MHz	2567.34 MHz	2592.99 MHz	2618.67 MHz	2675 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	14.13	13.70	13.94	13.95	13.79	0
				1	39	13.58	13.33	13.59	13.65	13.80	0
				1	76	13.27	13.35	13.60	13.58	14.10	0
				36	0	13.98	13.63	13.91	13.82	13.81	0
				36	21	13.62	13.38	13.66	13.67	13.80	0
				36	42	13.40	13.26	13.64	13.57	13.94	0
				75	0	13.68	13.42	13.72	13.74	13.87	0
			QPSK	1	1	14.17	13.68	13.90	13.97	13.83	0
				1	39	13.60	13.32	13.62	13.64	13.79	0
				1	76	13.26	13.32	13.54	13.60	14.09	0
				36	0	14.01	13.58	13.87	13.82	13.80	0
				36	21	13.59	13.37	13.63	13.67	13.80	0
				36	42	13.35	13.25	13.60	13.60	13.91	0
				75	0	13.65	13.42	13.73	13.77	13.82	0
			16QAM	1	1	14.15	13.68	13.92	14.06	13.88	0
			64QAM	1	1	13.85	13.37	13.62	13.70	13.47	0
			256QAM	1	1	14.02	13.54	13.77	13.83	13.68	0
		CP	QPSK	1	1	14.18	13.69	13.91	13.97	13.78	0

NR Band n41 _40 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						503202	513468		523734	534000	
						2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
40 Mhz	30	DFT-s	pi/2 BPSK	1	1	14.10	13.49		13.70	13.60	0
				1	53	13.23	13.46		13.79	13.75	0
				1	104	13.56	13.87		13.64	14.09	0
				50	0	13.76	13.42		13.73	13.68	0
				50	28	13.37	13.51		13.83	13.81	0
				50	56	13.29	13.79		13.78	13.86	0
				100	0	13.47	13.60		13.75	13.74	0
			QPSK	1	1	14.04	13.49		13.64	13.59	0
				1	53	13.19	13.45		13.77	13.71	0
				1	104	13.52	13.82		13.58	14.04	0
				50	0	13.71	13.40		13.76	13.66	0
				50	28	13.31	13.51		13.82	13.74	0
				50	56	13.27	13.77		13.82	13.85	0
				100	0	13.53	13.57		13.72	13.74	0
			16QAM	1	1	14.01	13.45		13.57	13.66	0
			64QAM	1	1	13.78	13.21		13.31	13.33	0
			256QAM	1	1	13.90	13.38		13.49	13.48	0
		CP	QPSK	1	1	13.99	13.48		13.56	13.50	0

NR Band n41 _50 Mhz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						504204		518598		532998	
						2521.02 MHz		2592.99 MHz		2664.99 MHz	
50 Mhz	30	DFT-s	pi/2 BPSK	1	1	14.40		14.52		13.58	0
				1	67	13.47		14.28		13.80	0
				1	131	13.91		14.37		14.02	0
				64	0	13.97		14.68		13.62	0
				64	35	13.67		14.34		13.83	0
				64	69	13.77		14.23		13.85	0
				128	0	13.88		14.44		13.71	0
			QPSK	1	1	14.37		14.66		13.52	0
				1	67	13.46		14.13		13.81	0
				1	131	13.89		14.50		14.00	0
				64	0	13.95		14.64		13.67	0
				64	35	13.56		14.19		13.80	0
				64	69	13.76		14.20		13.91	0
				128	0	13.81		14.39		13.76	0
			16QAM	1	1	14.36		14.55		13.58	0
			64QAM	1	1	14.07		14.36		13.19	0
			256QAM	1	1	14.26		14.47		13.41	0
		CP	QPSK	1	1	14.36		14.45		13.40	0

NR Band n41 _60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
						505200		518598			531996
						2526 MHz		2592.99 MHz			2659.98 MHz
60 MHz	30	DFT-s	pi/2 BPSK	1	1	14.27		13.70		13.67	0
				1	81	13.42		13.85		13.64	0
				1	160	13.48		13.99		13.97	0
				81	0	13.77		13.99		13.48	0
				81	41	13.58		13.90		13.59	0
				81	81	13.69		13.85		13.76	0
				162	0	13.75		13.92		13.62	0
			QPSK	1	1	14.24		13.69		13.66	0
				1	81	13.37		13.85		13.65	0
				1	160	13.46		13.96		13.87	0
				81	0	13.76		13.97		13.49	0
				81	41	13.57		13.89		13.62	0
				81	81	13.67		13.85		13.75	0
				162	0	13.72		13.90		13.63	0
			16QAM	1	1	14.32		13.69		13.70	0
			64QAM	1	1	14.00		13.38		13.45	0
			256QAM	1	1	14.12		13.58		13.54	0
		CP	QPSK	1	1	14.23		13.65		13.58	0

NR Band n41 _80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]	
						507204					529998
						2536.02 MHz					2649.99 MHz
80 MHz	30	DFT-s	pi/2 BPSK	1	1	14.12				13.65	0
				1	109	13.55				13.24	0
				1	215	13.63				13.84	0
				108	0	13.55				13.54	0
				108	55	13.41				13.41	0
				108	109	13.41				13.52	0
				216	0	13.53				13.56	0
			QPSK	1	1	14.10				13.57	0
				1	109	13.54				13.23	0
				1	215	13.62				13.77	0
				108	0	13.59				13.60	0
				108	55	13.38				13.38	0
				108	109	13.41				13.54	0
				216	0	13.50				13.56	0
			16QAM	1	1	14.06				13.51	0
			64QAM	1	1	13.79				13.30	0
			256QAM	1	1	13.97				13.48	0
		CP	QPSK	1	1	14.09				13.52	0

NR Band n41 _90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]
						508200				
						2541 MHz			528996	
90 MHz	30	DFT-s	pi/2 BPSK	1	1	14.16			13.55	0
				1	123	13.71			13.30	0
				1	243	13.62			13.83	0
				120	0	13.64			13.72	0
				120	63	13.50			13.58	0
				120	125	13.48			13.51	0
				243	0	13.59			13.62	0
			QPSK	1	1	14.14			13.54	0
				1	123	13.64			13.29	0
				1	243	13.67			13.79	0
				120	0	13.67			13.72	0
				120	63	13.47			13.54	0
				120	125	13.45			13.49	0
				243	0	13.60			13.63	0
			16QAM	1	1	14.12			13.59	0
			64QAM	1	1	13.85			13.32	0
			256QAM	1	1	14.00			13.42	0
		CP	pi/2 BPSK	1	1	14.17			13.49	0

NR Band n41 _100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]				MPR [dB]
								518598		
								2592.99 MHz		
100 MHz	30	DFT-s	pi/2 BPSK	1	1			13.77		0
				1	137			13.63		0
				1	271			13.26		0
				135	0			13.73		0
				135	69			13.78		0
				135	138			13.55		0
				270	0			13.68		0
			QPSK	1	1			13.74		0
				1	137			13.71		0
				1	271			13.27		0
				135	0			13.76		0
				135	69			13.75		0
				135	138			13.52		0
				270	0			13.65		0
			16QAM	1	1			13.67		0
			64QAM	1	1			13.46		0
			256QAM	1	1			13.64		0
		CP	QPSK	1	1			13.73		0

[NR Band n66 Conducted Power_ Grip activated] DSI=1 [Main Ant1]

NR Band n66 _5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						342500	349000	355500	
						1712.5 MHz	1745 MHz	1777.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.34	13.06	13.08	0
				1	13	13.45	13.11	13.17	0
				1	23	13.45	13.07	13.14	0
				12	0	13.43	13.10	13.15	0
				12	7	13.43	13.16	13.20	0
				12	13	13.48	13.11	13.14	0
			QPSK	25	0	13.48	13.13	13.16	0
				1	1	13.27	12.93	12.95	0
				1	13	13.33	12.95	13.01	0
				1	23	13.29	12.93	12.96	0
				12	0	13.45	13.15	13.14	0
				12	7	13.47	13.15	13.18	0
				12	13	13.47	13.13	13.15	0
				25	0	13.49	13.14	13.16	0
			16QAM	1	1	13.72	13.41	13.42	0
			64QAM	1	1	13.27	12.96	12.99	0
			256QAM	1	1	13.13	12.85	12.86	0
		CP	QPSK	1	1	13.30	12.98	13.05	0

NR Band n66 _10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						343000	349000	355000	
						1715 MHz	1745 MHz	1775 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.53	13.20	13.16	0
				1	26	13.61	13.10	13.16	0
				1	50	13.38	13.08	13.15	0
				25	0	13.55	13.14	13.21	0
				25	14	13.51	13.15	13.22	0
				25	27	13.55	13.14	13.21	0
			QPSK	50	0	13.46	13.12	13.23	0
				1	1	13.36	13.03	13.01	0
				1	26	13.34	12.95	13.04	0
				1	50	13.29	12.95	13.02	0
				25	0	13.60	13.13	13.18	0
				25	14	13.54	13.14	13.21	0
				25	27	13.56	13.11	13.21	0
				50	0	13.51	13.15	13.22	0
			16QAM	1	1	13.85	13.53	13.52	0
			64QAM	1	1	13.35	13.08	13.06	0
			256QAM	1	1	13.26	12.94	12.93	0
		CP	QPSK	1	1	13.45	13.14	13.11	0

NR Band n66 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						343500	349000	354500	
						1717.5 MHz	1745 MHz	1772.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.71	13.21	12.60	0
				1	40	13.97	13.09	13.05	0
				1	77	13.81	13.17	13.17	0
				36	0	13.92	13.22	13.03	0
				36	22	14.09	13.24	12.65	0
				36	43	14.06	13.25	12.91	0
				75	0	14.00	13.23	12.99	0
			QPSK	1	1	13.64	13.12	12.93	0
				1	40	13.87	12.98	12.92	0
				1	77	13.66	13.08	13.05	0
				36	0	13.93	13.24	13.13	0
				36	22	14.09	13.21	12.97	0
				36	43	14.03	13.25	13.22	0
				75	0	14.02	13.25	12.99	0
			16QAM	1	1	14.12	13.58	13.27	0
			64QAM	1	1	13.63	13.13	13.01	0
			256QAM	1	1	13.53	13.02	12.84	0
		CP	QPSK	1	1	13.73	13.22	12.89	0

NR Band n66 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						344000	349000	354000	
						1720 MHz	1745 MHz	1770 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.45	13.31	13.16	0
				1	53	13.99	13.10	13.06	0
				1	104	13.45	13.18	13.19	0
				50	0	13.83	13.35	13.20	0
				50	28	14.05	13.25	13.21	0
				50	56	13.87	13.21	13.25	0
				100	0	13.92	13.20	13.16	0
			QPSK	1	1	13.37	13.22	13.02	0
				1	53	13.90	12.99	12.90	0
				1	104	13.35	13.07	13.07	0
				50	0	13.85	13.38	13.22	0
				50	28	14.07	13.26	13.20	0
				50	56	13.88	13.24	13.27	0
				100	0	13.96	13.24	13.18	0
			16QAM	1	1	13.79	13.65	13.42	0
			64QAM	1	1	13.38	13.23	12.88	0
			256QAM	1	1	13.26	13.11	12.91	0
		CP	QPSK	1	1	13.45	13.30	13.10	0

NR Band n66 _ 25 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						344500	349000	353500	
						1722.5 MHz	1745 MHz	1767.5 MHz	
25 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	13.45	13.31	13.16	0
				1	66	13.99	13.10	13.06	0
				1	131	13.45	13.18	13.19	0
				64	0	13.83	13.35	13.20	0
				64	35	14.05	13.25	13.21	0
				64	69	13.87	13.21	13.25	0
				128	0	13.92	13.20	13.16	0
			QPSK	1	1	13.37	13.22	13.02	0
				1	66	13.90	12.99	12.90	0
				1	131	13.35	13.07	13.07	0
				64	0	13.85	13.38	13.22	0
				64	35	14.07	13.26	13.20	0
				64	69	13.88	13.24	13.27	0
				128	0	13.96	13.24	13.18	0
			16QAM	1	1	13.79	13.65	13.42	0
			64QAM	1	1	13.38	13.23	12.88	0
			256QAM	1	1	13.26	13.11	12.91	0.5
		CP	QPSK	1	1	13.45	13.30	13.10	0

NR Band n66 _ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
30 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		13.53		0
				1	80		13.28		0
				1	158		13.20		0
				80	0		13.47		0
				80	40		13.34		0
				80	80		13.39		0
				160	0		13.46		0
			QPSK	1	1		13.40		0
				1	80		13.13		0
				1	158		13.05		0
				80	0		13.40		0
				80	40		13.30		0
				80	80		13.36		0
				160	0		13.46		0
			16QAM	1	1		13.83		0
			64QAM	1	1		13.42		0
			256QAM	1	1		13.32		0
		CP	QPSK	1	1		13.50		0

NR Band n66 _ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							349000		
							1745 MHz		
40 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		13.55		0
				1	108		13.26		0
				1	214		13.19		0
				108	0		13.50		0
				108	54		13.37		0
				108	108		13.36		0
				216	0		13.44		0
			QPSK	1	1		13.40		0
				1	108		13.12		0
				1	214		13.07		0
				108	0		13.50		0
				108	54		13.34		0
				108	108		13.34		0
				216	0		13.41		0
			16QAM	1	1		13.84		0
			64QAM	1	1		13.43		0
			256QAM	1	1		13.32		0
		CP	QPSK	1	1		13.53		0

[NR Band n71 Conducted Power_ Grip activated] DSI=1 [Main Ant1]

NR Band n71 _ 5 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						133100	136100	139100	
						665.5 MHz	680.5 MHz	695.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.00	13.73	14.14	0
				1	13	14.60	13.83	14.27	0
				1	23	14.96	13.74	14.31	0
				12	0	14.27	13.89	14.24	0
				12	7	14.63	13.89	14.29	0
				12	13	14.91	13.85	14.25	0
			QPSK	25	0	14.63	13.89	14.31	0
				1	1	13.92	13.67	14.03	0
				1	13	14.50	13.73	14.14	0
				1	23	14.91	13.60	14.17	0
				12	0	14.34	13.94	14.22	0
				12	7	14.55	13.89	14.29	0
				12	13	14.87	13.83	14.28	0
				25	0	14.70	13.90	14.32	0
			16QAM	1	1	14.24	14.11	14.49	0
			64QAM	1	1	14.01	13.70	14.10	0
			256QAM	1	1	13.76	13.58	13.96	0
		CP	QPSK	1	1	14.06	13.73	14.12	0

NR Band n71 _ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						133600	136100	138600	
						668 MHz	680.5 MHz	693 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	14.00	13.87	13.97	0
				1	26	13.88	13.86	14.08	0
				1	50	13.87	13.96	14.26	0
				25	0	13.98	13.88	14.09	0
				25	14	13.91	13.96	14.16	0
				25	27	13.83	13.97	14.22	0
			QPSK	50	0	13.93	13.95	14.17	0
				1	1	13.86	13.80	13.87	0
				1	26	13.76	13.78	14.00	0
				1	50	13.75	13.83	14.17	0
				25	0	13.95	13.91	14.12	0
				25	14	13.90	13.92	14.14	0
				25	27	13.87	14.03	14.24	0
				50	0	13.90	13.91	14.28	0
			16QAM	1	1	14.33	14.04	14.89	0
			64QAM	1	1	13.94	13.67	14.57	0
			256QAM	1	1	13.78	13.67	13.74	0
		CP	QPSK	1	1	13.95	13.87	14.01	0

NR Band n71 _ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							136100		
							680.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		13.92		0
				1	40		14.09		0
				1	77		13.71		0
				36	0		14.16		0
				36	22		14.16		0
				36	43		14.21		0
				75	0		14.17		0
			QPSK	1	1		13.86		0
				1	40		14.05		0
				1	77		13.67		0
				36	0		14.20		0
				36	22		14.21		0
				36	43		14.25		0
				75	0		14.20		0
			16QAM	1	1		14.26		0
			64QAM	1	1		13.93		0
			256QAM	1	1		13.80		0
		CP	QPSK	1	1		14.04		0

NR Band n71 _ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							136100		
							680.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		13.91		0
				1	53		14.27		0
				1	104		13.53		0
				50	0		14.11		0
				50	28		14.25		0
				50	56		14.06		0
				100	0		13.94		0
			QPSK	1	1		13.78		0
				1	53		14.15		0
				1	104		13.40		0
				50	0		14.16		0
				50	28		14.22		0
				50	56		14.11		0
				100	0		13.98		0
			16QAM	1	1		14.20		0
			64QAM	1	1		13.85		0
			256QAM	1	1		13.65		0
		CP	QPSK	1	1		13.94		0

[NR Band n77 Conducted Power_Power Class 3_ Grip activated] DSI=1 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647000	650600	654200	657800	661400	665000	
						3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.91	14.31	14.27	14.55	14.61	14.04	0
				1	12	13.75	14.07	14.12	14.32	14.19	13.98	0
				1	22	13.87	14.19	14.22	14.29	14.00	14.06	0
				12	0	13.78	14.15	14.11	14.55	14.39	13.88	0
				12	6	13.85	14.19	14.06	14.49	14.16	13.80	0
				12	12	13.78	14.25	14.30	14.51	14.12	13.93	0
			QPSK	24	0	13.83	14.16	14.06	14.50	14.23	14.06	0
				1	1	13.87	14.16	14.18	14.44	14.40	13.94	0
				1	12	13.65	13.97	14.01	14.22	14.12	13.79	0
				1	22	13.76	14.06	14.16	14.36	13.93	13.79	0
				12	0	13.75	14.32	14.17	14.49	14.23	14.02	0
				12	6	13.81	14.08	14.12	14.42	14.20	14.02	0
				12	12	13.79	14.13	14.31	14.41	14.16	13.89	0
				24	0	13.86	14.25	14.22	14.40	14.22	13.89	0
			16QAM	1	1	13.96	14.28	14.02	14.49	14.38	14.09	0
			64QAM	1	1	13.46	13.81	13.80	14.04	14.06	13.64	0
			256QAM	1	1	13.93	14.25	14.08	14.55	14.42	14.02	0
		CP	QPSK	1	1	13.91	14.32	14.13	14.47	14.52	14.05	0

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647168	650700	654232	657766	661300	664832	
						3707.52 MHz	3760.5 MHz	3813.49 MHz	3866.5 MHz	3919.5 MHz	3972.48 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.97	14.20	14.17	14.68	14.65	14.06	0
				1	18	13.85	14.04	14.04	14.46	14.13	14.02	0
				1	36	13.82	14.12	14.23	14.34	13.99	13.90	0
				18	0	13.88	14.21	14.25	14.51	14.26	13.90	0
				18	9	13.88	14.18	14.13	14.50	14.30	13.87	0
				18	18	13.88	14.12	14.26	14.42	14.02	13.87	0
			QPSK	36	0	13.81	14.18	14.14	14.43	14.34	13.91	0
				1	1	13.79	14.27	14.21	14.53	14.50	13.92	0
				1	18	13.67	13.98	14.10	14.30	14.03	13.86	0
				1	36	13.92	14.08	14.17	14.36	14.07	13.97	0
				18	0	13.77	14.24	14.15	14.53	14.37	13.91	0
				18	9	13.69	14.05	14.03	14.38	14.16	13.83	0
				18	18	13.90	14.32	14.17	14.41	14.07	13.90	0
				36	0	13.83	14.18	14.16	14.47	14.37	14.02	0
			16QAM	1	1	13.88	14.31	13.99	14.49	14.36	14.16	0
			64QAM	1	1	13.50	13.76	13.80	14.07	14.02	13.69	0
			256QAM	1	1	13.83	14.18	14.18	14.42	14.52	13.95	0
		CP	QPSK	1	1	13.80	14.14	14.10	14.62	14.48	14.16	0

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647334	650800	654266	657734	661200	664666	
						3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.80	14.24	14.21	14.37	14.22	13.96	0
				1	26	13.68	14.19	13.93	14.40	14.13	13.82	0
				1	49	13.70	14.03	14.26	14.47	14.20	14.00	0
				25	0	13.67	14.02	14.18	14.25	14.19	13.93	0
				25	13	13.65	14.17	14.22	14.55	14.22	13.79	0
				25	26	13.67	14.25	14.06	14.38	14.09	13.83	0
				50	0	13.58	14.13	14.11	14.38	14.35	13.74	0
			QPSK	1	1	13.64	14.12	14.01	14.30	14.16	13.79	0
				1	26	13.50	13.97	13.85	14.35	13.82	13.64	0
				1	49	13.62	14.03	14.16	14.36	14.09	13.82	0
				25	0	13.70	14.27	14.23	14.42	14.18	14.06	0
				25	13	13.71	14.10	14.14	14.39	14.33	13.85	0
				25	26	13.64	14.06	14.12	14.52	13.98	13.98	0
				50	0	13.77	14.14	14.04	14.50	14.13	13.94	0
			16QAM	1	1	13.49	13.99	14.15	14.38	14.07	13.84	0
			64QAM	1	1	13.29	13.73	13.85	13.92	13.71	13.48	0
			256QAM	1	1	13.61	14.08	14.19	14.32	14.01	13.62	0
		CP	QPSK	1	1	13.70	14.13	14.36	14.21	14.25	13.97	0

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647668	651000	654334	657666	661000	664332	
						3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.74	14.20	14.18	14.41	14.13	13.88	0
				1	39	13.76	14.25	13.93	14.31	14.03	13.73	0
				1	76	13.61	14.01	14.18	14.56	14.24	13.99	0
				36	0	13.70	13.98	14.25	14.26	14.13	13.93	0
				36	21	13.57	14.25	14.29	14.53	14.16	13.75	0
				36	42	13.69	14.16	14.09	14.32	14.07	13.79	0
				75	0	13.62	14.21	14.18	14.35	14.28	13.82	0
			QPSK	1	1	13.63	14.15	14.00	14.25	14.18	13.87	0
				1	39	13.56	13.98	13.93	14.30	13.86	13.54	0
				1	76	13.62	14.01	14.26	14.29	14.11	13.83	0
				36	0	13.76	14.20	14.16	14.50	14.09	14.03	0
				36	21	13.64	14.16	14.24	14.33	14.39	13.94	0
				36	42	13.72	13.98	14.17	14.49	13.98	13.93	0
				75	0	13.81	14.19	13.95	14.58	14.21	14.04	0
			16QAM	1	1	13.50	14.00	14.09	14.46	14.10	13.76	0
			64QAM	1	1	13.20	13.67	13.78	13.83	13.73	13.55	0
			256QAM	1	1	13.57	14.10	14.13	14.38	14.02	13.67	0
		CP	QPSK	1	1	13.79	14.14	14.30	14.13	14.32	13.96	0

NR Band n77_ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648000	651200	654400	657600	660800	664000	
						3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.92	14.24	14.22	14.58	14.58	14.06	0
				1	53	13.77	14.09	14.07	14.39	14.21	13.92	0
				1	104	13.91	14.21	14.27	14.35	14.07	13.97	0
				50	0	13.80	14.25	14.19	14.48	14.36	13.95	0
				50	28	13.81	14.14	14.11	14.45	14.25	13.90	0
				50	56	13.84	14.21	14.25	14.45	14.12	13.93	0
				100	0	13.81	14.15	14.15	14.50	14.30	13.98	0
			QPSK	1	1	13.81	14.20	14.14	14.51	14.46	13.98	0
				1	53	13.66	14.01	14.00	14.32	14.11	13.85	0
				1	104	13.84	14.10	14.20	14.30	13.97	13.87	0
				50	0	13.79	14.25	14.20	14.49	14.31	13.97	0
				50	28	13.79	14.14	14.12	14.44	14.24	13.92	0
				50	56	13.84	14.23	14.26	14.48	14.12	13.92	0
				100	0	13.81	14.17	14.17	14.49	14.30	13.98	0
			16QAM	1	1	13.88	14.29	14.07	14.44	14.41	14.11	0
			64QAM	1	1	13.51	13.81	13.74	14.11	14.11	13.62	0
			256QAM	1	1	13.83	14.15	14.13	14.49	14.45	14.00	0
		CP	QPSK	1	1	13.90	14.22	14.11	14.52	14.52	14.13	0

NR Band n77_ 50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648334	652166	656000		659834	663666	
						3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.38	14.03	14.06		14.21	13.93	0
				1	67	13.50	13.91	14.12		14.15	13.68	0
				1	131	13.62	13.96	14.19		14.07	13.62	0
				64	0	13.46	14.13	14.08		14.19	13.86	0
				64	35	13.52	13.98	14.18		14.23	13.75	0
				64	69	13.66	13.96	14.27		14.04	13.65	0
				128	0	13.48	13.98	14.16		14.16	13.76	0
			QPSK	1	1	13.36	14.04	14.02		14.17	13.83	0
				1	67	13.43	13.92	14.06		14.10	13.60	0
				1	131	13.57	13.96	14.19		14.02	13.52	0
				64	0	13.44	14.16	14.10		14.22	13.85	0
				64	35	13.51	13.98	14.18		14.19	13.73	0
				64	69	13.69	13.95	14.28		14.06	13.64	0
				128	0	13.51	14.00	14.17		14.18	13.75	0
			16QAM	1	1	13.52	14.11	14.08		14.14	13.91	0
			64QAM	1	1	13.03	13.68	13.61		13.78	13.45	0
			256QAM	1	1	13.33	14.01	13.97		14.12	13.88	0
		CP	QPSK	1	1	13.42	13.93	14.01		14.22	13.93	0

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648668	653556			658444	663332	
						3730.02 MHz	3803.34 MHz			3876.66 MHz	3949.98 MHz	
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.50	14.05			14.23	14.02	0
				1	81	13.48	14.00			14.22	13.66	0
				1	160	13.61	14.07			14.10	13.65	0
				81	0	13.56	14.06			14.18	13.91	0
				81	41	13.57	14.04			14.27	13.72	0
				81	81	13.65	14.10			14.22	13.68	0
				162	0	13.56	14.06			14.30	13.87	0
			QPSK	1	1	13.46	13.99			14.16	13.97	0
				1	81	13.45	13.97			14.20	13.65	0
				1	160	13.56	14.04			14.04	13.60	0
				81	0	13.59	14.09			14.19	13.89	0
				81	41	13.56	14.03			14.30	13.71	0
				81	81	13.68	14.10			14.24	13.71	0
				162	0	13.60	14.06			14.27	13.84	0
			16QAM	1	1	13.54	14.09			14.25	14.03	0
			64QAM	1	1	13.04	13.58			13.76	13.57	0
			256QAM	1	1	13.44	13.98			14.14	13.95	0
		CP	QPSK	1	1	13.53	14.06			14.25	14.02	0

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						649000	654336			658334	663000	
						3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.38	13.82			13.99	13.88	0
				1	95	13.58	13.91			14.12	13.66	0
				1	187	13.60	14.16			13.96	13.58	0
				90	0	13.47	13.82			14.16	13.72	0
				90	50	13.51	13.94			14.14	13.70	0
				90	99	13.67	14.07			14.10	13.59	0
				180	0	13.49	13.87			14.13	13.70	0
			QPSK	1	1	13.32	13.76			14.00	13.87	0
				1	95	13.56	13.88			14.09	13.62	0
				1	187	13.54	14.10			13.89	13.52	0
				90	0	13.45	13.83			14.16	13.71	0
				90	50	13.54	13.94			14.15	13.69	0
				90	99	13.66	14.06			14.13	13.59	0
				180	0	13.54	13.87			14.16	13.73	0
			16QAM	1	1	13.44	13.84			14.05	13.90	0
			64QAM	1	1	12.92	13.32			13.53	13.42	0
			256QAM	1	1	13.31	13.70			13.91	13.76	0
		CP	QPSK	1	1	13.37	13.74			13.97	13.85	0

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						649334		656000		662666	
						3740.01 MHz		3840 MHz		3939.99 MHz	
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.45		13.92		14.08	0
				1	109	13.64		14.02		13.72	0
				1	215	13.48		14.11		13.48	0
				108	0	13.52		13.96		13.94	0
				108	55	13.67		14.03		13.74	0
				108	109	13.58		14.05		13.59	0
				216	0	13.51		14.07		13.74	0
			QPSK	1	1	13.37		13.89		14.02	0
				1	109	13.59		13.96		13.66	0
				1	215	13.41		14.06		13.47	0
				108	0	13.57		13.99		13.96	0
				108	55	13.66		14.06		13.75	0
				108	109	13.63		14.05		13.58	0
				216	0	13.56		14.09		13.77	0
			16QAM	1	1	13.48		13.95		14.11	0
			64QAM	1	1	13.00		13.48		13.61	0
			256QAM	1	1	13.37		13.83		13.98	0
		CP	QPSK	1	1	13.46		13.86		14.07	0

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]					MPR [dB]
						649668		656000		662332	
						3745.02 MHz		3840 MHz		3934.98 MHz	
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.35		13.84		14.20	0
				1	123	13.59		14.02		13.77	0
				1	243	13.60		14.17		13.42	0
				120	0	13.45		13.98		14.05	0
				120	63	13.60		14.04		13.80	0
				120	125	13.61		14.08		13.59	0
				243	0	13.58		14.06		13.78	0
			QPSK	1	1	13.30		13.81		14.15	0
				1	123	13.51		13.99		13.70	0
				1	243	13.52		14.11		13.36	0
				120	0	13.49		14.00		14.08	0
				120	63	13.62		14.04		13.77	0
				120	125	13.59		14.06		13.61	0
				243	0	13.59		14.08		13.81	0
			16QAM	1	1	13.25		13.90		14.04	0
			64QAM	1	1	12.91		13.39		13.72	0
			256QAM	1	1	13.24		13.77		14.09	0
		CP	QPSK	1	1	13.32		13.81		14.11	0

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						650000		656000		662000		
						3750 MHz		3840 MHz		3930 MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.40		13.85		14.17		0
				1	137	13.59		14.04		13.75		0
				1	271	13.40		14.08		13.56		0
				135	0	13.51		14.01		14.06		0
				135	69	13.58		14.06		13.77		0
				135	138	13.47		14.03		13.67		0
			QPSK	270	0	13.56		13.97		13.89		0
				1	1	13.33		13.83		14.03		0
				1	137	13.54		13.97		13.72		0
				1	271	13.30		14.04		13.53		0
				135	0	13.53		13.99		14.11		0
				135	69	13.59		14.07		13.81		0
				135	138	13.49		14.12		13.72		0
				270	0	13.58		13.98		13.92		0
			16QAM	1	1	13.28		13.83		14.11		0
			64QAM	1	1	12.95		13.44		13.69		0
			256QAM	1	1	13.31		13.78		14.10		0
		CP	QPSK	1	1	13.32		13.79		14.12		0

[NR Band n77 Conducted Power_Power Class 2_ Grip activated] DSI=1 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647000	650600	654200	657800	661400	665000	
						3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.75	14.14	14.33	14.20	14.25	14.02	0
				1	12	13.72	14.10	14.02	14.25	14.13	13.93	0
				1	22	13.87	14.00	14.27	14.49	14.06	13.87	0
				12	0	13.74	13.95	14.21	14.24	14.33	13.84	0
				12	6	13.78	14.24	14.26	14.39	14.30	13.85	0
				12	12	13.61	14.27	14.08	14.40	14.06	13.94	0
				24	0	13.65	14.08	14.16	14.42	14.24	13.85	0
			QPSK	1	1	13.74	14.15	13.99	14.19	14.15	13.78	0
				1	12	13.51	13.94	13.99	14.21	13.76	13.63	0
				1	22	13.62	13.93	14.11	14.40	14.02	13.84	0
				12	0	13.55	14.26	14.34	14.54	14.11	14.02	0
				12	6	13.62	14.04	14.09	14.35	14.25	14.02	0
				12	12	13.59	14.17	14.19	14.41	14.08	13.86	0
				24	0	13.75	14.13	14.16	14.30	14.28	14.06	0
			16QAM	1	1	13.65	14.01	14.21	14.31	14.17	13.99	0
			64QAM	1	1	13.22	13.76	13.87	13.92	13.78	13.59	0
			256QAM	1	1	13.64	14.05	14.19	14.34	14.04	13.68	0
		CP	QPSK	1	1	13.72	14.06	14.35	14.25	14.19	13.92	0

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647168	650700	654232	657766	661300	664832	
						3707.52 MHz	3760.5 MHz	3813.49 MHz	3866.5 MHz	3919.5 MHz	3972.48 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.74	14.18	14.35	14.33	14.22	13.98	0
				1	18	13.63	14.19	14.04	14.35	14.14	13.88	0
				1	36	13.70	14.11	14.16	14.47	14.21	14.03	0
				18	0	13.74	14.07	14.08	14.31	14.28	13.98	0
				18	9	13.81	14.15	14.14	14.54	14.26	13.90	0
				18	18	13.60	14.21	14.23	14.47	14.16	13.93	0
				36	0	13.57	14.07	14.18	14.45	14.20	13.86	0
			QPSK	1	1	13.57	14.05	14.00	14.20	14.16	13.91	0
				1	18	13.57	13.94	13.96	14.29	13.96	13.73	0
				1	36	13.66	14.09	14.08	14.48	14.09	13.80	0
				18	0	13.62	14.22	14.32	14.53	14.11	14.06	0
				18	9	13.69	13.97	14.23	14.34	14.19	13.99	0
				18	18	13.69	14.04	14.17	14.43	13.92	13.85	0
				36	0	13.70	14.31	14.15	14.49	14.24	14.06	0
			16QAM	1	1	13.46	13.84	14.20	14.39	14.15	13.97	0
			64QAM	1	1	13.24	13.79	13.85	13.82	13.66	13.52	0
			256QAM	1	1	13.48	13.91	14.04	14.28	14.05	13.63	0
		CP	QPSK	1	1	13.80	14.01	14.30	14.22	14.27	13.89	0

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647334	650800	654266	657734	661200	664666	
						3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.79	14.21	14.32	14.29	14.11	14.07	0
				1	26	13.71	14.17	14.10	14.30	14.09	13.89	0
				1	49	13.78	14.16	14.27	14.44	14.13	13.95	0
				25	0	13.60	14.08	14.26	14.43	14.26	13.89	0
				25	13	13.81	14.23	14.32	14.49	14.33	13.93	0
				25	26	13.59	14.23	14.13	14.41	14.13	13.87	0
				50	0	13.57	14.24	14.07	14.54	14.25	13.81	0
			QPSK	1	1	13.66	14.04	13.96	14.32	14.12	13.87	0
				1	26	13.45	13.99	13.93	14.28	13.78	13.72	0
				1	49	13.79	13.99	14.16	14.48	14.10	13.82	0
				25	0	13.68	14.21	14.37	14.43	14.14	13.94	0
				25	13	13.62	14.09	14.14	14.24	14.17	13.98	0
				25	26	13.69	14.14	14.07	14.54	13.95	13.88	0
				50	0	13.62	14.28	13.98	14.32	14.27	13.99	0
			16QAM	1	1	13.65	14.02	14.22	14.33	14.13	13.95	0
			64QAM	1	1	13.32	13.79	13.92	13.76	13.75	13.62	0
			256QAM	1	1	13.53	13.93	14.07	14.28	14.18	13.69	0
		CP	QPSK	1	1	13.64	14.00	14.40	14.16	14.17	13.89	0

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						647668	651000	654334	657666	661000	664332	
						3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.71	14.20	14.29	14.34	14.17	14.03	0
				1	39	13.75	14.10	14.03	14.36	14.10	13.90	0
				1	76	13.73	14.10	14.37	14.51	14.03	14.02	0
				36	0	13.58	14.01	14.22	14.45	14.28	13.98	0
				36	21	13.80	14.23	14.26	14.48	14.24	13.88	0
				36	42	13.53	14.16	14.09	14.45	14.04	13.93	0
				75	0	13.66	14.24	14.13	14.59	14.23	13.82	0
			QPSK	1	1	13.61	13.99	13.90	14.38	14.02	13.85	0
				1	39	13.45	14.01	14.00	14.38	13.79	13.74	0
				1	76	13.84	14.07	14.07	14.54	14.20	13.72	0
				36	0	13.78	14.28	14.38	14.35	14.07	14.01	0
				36	21	13.55	14.16	14.05	14.15	14.20	13.94	0
				36	42	13.72	14.19	14.07	14.59	14.00	13.78	0
				75	0	13.56	14.32	14.01	14.30	14.19	13.92	0
			16QAM	1	1	13.60	14.05	14.17	14.23	14.20	13.93	0
			64QAM	1	1	13.32	13.81	13.89	13.81	13.75	13.64	0
			256QAM	1	1	13.51	13.94	14.11	14.21	14.22	13.60	0
		CP	QPSK	1	1	13.66	13.93	14.47	14.24	14.09	13.94	0

NR Band n77_40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648000	651200	654400	657600	660800	664000	
						3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.97	14.23	14.27	14.58	14.50	14.02	0
				1	53	13.77	14.13	14.17	14.35	14.22	13.86	0
				1	104	14.01	14.12	14.19	14.30	14.02	14.05	0
				50	0	13.80	14.23	14.20	14.50	14.27	14.04	0
				50	28	13.84	14.05	14.08	14.41	14.17	13.99	0
				50	56	13.80	14.11	14.27	14.38	14.12	13.91	0
				100	0	13.82	14.21	14.07	14.53	14.26	14.01	0
			QPSK	1	1	13.71	14.27	14.15	14.46	14.42	13.97	0
				1	53	13.57	14.09	14.08	14.37	14.07	13.83	0
				1	104	13.88	14.13	14.27	14.30	14.07	13.79	0
				50	0	13.80	14.16	14.21	14.40	14.25	13.87	0
				50	28	13.73	14.09	14.08	14.37	14.19	13.94	0
				50	56	13.88	14.32	14.18	14.39	14.16	14.00	0
				100	0	13.76	14.24	14.23	14.51	14.22	13.99	0
			16QAM	1	1	13.95	14.34	14.05	14.50	14.34	14.10	0
			64QAM	1	1	13.48	13.73	13.77	14.06	14.04	13.64	0
			256QAM	1	1	13.87	14.13	14.04	14.54	14.38	14.04	0
		CP	QPSK	1	1	13.82	14.29	14.08	14.43	14.58	14.16	0

NR Band n77_50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648334	652166	656000		659834	663666	
						3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.29	13.95	13.97		14.29	14.00	0
				1	67	13.52	13.81	14.21		14.24	13.69	0
				1	131	13.71	14.05	14.18		14.17	13.59	0
				64	0	13.56	14.08	13.99		14.11	13.78	0
				64	35	13.62	14.04	14.21		14.26	13.79	0
				64	69	13.57	14.01	14.20		13.97	13.73	0
				128	0	13.46	14.06	14.07		14.19	13.78	0
			QPSK	1	1	13.41	14.03	14.05		14.17	13.85	0
				1	67	13.41	14.00	13.98		14.09	13.54	0
				1	131	13.54	13.86	14.27		14.00	13.49	0
				64	0	13.50	14.12	14.00		14.14	13.91	0
				64	35	13.53	13.97	14.16		14.12	13.70	0
				64	69	13.75	13.99	14.31		14.10	13.60	0
				128	0	13.43	14.09	14.18		14.16	13.85	0
			16QAM	1	1	13.57	14.08	13.98		14.11	13.93	0
			64QAM	1	1	13.01	13.70	13.64		13.73	13.46	0
			256QAM	1	1	13.33	14.04	13.97		14.03	13.93	0
		CP	QPSK	1	1	13.52	13.83	13.91		14.20	13.92	0

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						648668	653556			658444	663332	
						3730.02 MHz	3803.34 MHz			3876.66 MHz	3949.98 MHz	
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.46	14.13			14.18	14.06	0
				1	81	13.58	14.04			14.15	13.63	0
				1	160	13.52	14.00			14.09	13.66	0
				81	0	13.56	14.13			14.24	13.89	0
				81	41	13.52	14.08			14.26	13.63	0
				81	81	13.74	14.04			14.20	13.71	0
				162	0	13.58	14.14			14.28	13.85	0
			QPSK	1	1	13.41	14.01			14.21	13.89	0
				1	81	13.52	14.02			14.13	13.56	0
				1	160	13.58	14.14			14.02	13.50	0
				81	0	13.53	14.10			14.26	13.99	0
				81	41	13.51	13.96			14.28	13.72	0
				81	81	13.76	14.01			14.18	13.62	0
				162	0	13.52	14.15			14.27	13.82	0
			16QAM	1	1	13.47	14.17			14.35	14.05	0
			64QAM	1	1	13.04	13.65			13.67	13.64	0
			256QAM	1	1	13.39	13.92			14.11	14.02	0
		CP	QPSK	1	1	13.62	14.09			14.27	13.98	0

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						649000	654336			658334	663000	
						3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.44	13.88			13.91	13.80	0
				1	95	13.51	13.97			14.13	13.68	0
				1	187	13.56	14.17			13.88	13.48	0
				90	0	13.45	13.92			14.16	13.76	0
				90	50	13.60	14.04			14.15	13.74	0
				90	99	13.61	14.14			14.07	13.52	0
				180	0	13.50	13.86			14.04	13.68	0
			QPSK	1	1	13.33	13.86			14.08	13.78	0
				1	95	13.56	13.79			14.14	13.52	0
				1	187	13.54	14.09			13.90	13.48	0
				90	0	13.44	13.87			14.11	13.79	0
				90	50	13.53	13.89			14.14	13.65	0
				90	99	13.68	13.98			14.19	13.68	0
				180	0	13.52	13.96			14.25	13.77	0
			16QAM	1	1	13.35	13.79			14.04	13.81	0
			64QAM	1	1	12.88	13.34			13.51	13.48	0
			256QAM	1	1	13.40	13.79			14.01	13.67	0
		CP	QPSK	1	1	13.35	13.78			13.87	13.78	0

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						649334		656000		662666		
						3740.01 MHz		3840 MHz		3939.99 MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.40		13.84		14.06		0
				1	109	13.68		13.97		13.66		0
				1	215	13.45		14.13		13.51		0
				108	0	13.54		14.01		13.84		0
				108	55	13.71		14.12		13.79		0
				108	109	13.52		14.05		13.55		0
				216	0	13.57		14.17		13.67		0
			QPSK	1	1	13.31		13.91		13.97		0
				1	109	13.58		13.89		13.59		0
				1	215	13.38		14.14		13.40		0
				108	0	13.47		14.08		13.95		0
				108	55	13.60		14.02		13.80		0
				108	109	13.67		13.99		13.59		0
				216	0	13.50		14.07		13.71		0
			16QAM	1	1	13.58		14.02		14.19		0
			64QAM	1	1	12.94		13.56		13.59		0
			256QAM	1	1	13.29		13.79		13.89		0
		CP	QPSK	1	1	13.37		13.92		14.04		0

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						649668		656000		662332		
						3745.02 MHz		3840 MHz		3934.98 MHz		
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.27		13.90		14.13		0
				1	123	13.61		13.92		13.86		0
				1	243	13.51		14.08		13.49		0
				120	0	13.48		14.03		14.10		0
				120	63	13.64		14.00		13.77		0
				120	125	13.69		14.16		13.55		0
				243	0	13.64		14.16		13.88		0
			QPSK	1	1	13.34		13.72		14.10		0
				1	123	13.46		13.93		13.73		0
				1	243	13.42		14.13		13.42		0
				120	0	13.52		14.03		14.05		0
				120	63	13.60		14.00		13.68		0
				120	125	13.66		14.15		13.52		0
				243	0	13.53		14.05		13.71		0
			16QAM	1	1	13.26		13.90		13.98		0
			64QAM	1	1	12.93		13.31		13.70		0
			256QAM	1	1	13.33		13.76		14.07		0
		CP	QPSK	1	1	13.33		13.81		14.05		0

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]						MPR [dB]
						650000		656000		662000		
						3750 MHz		3840 MHz		3930 MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	13.37		13.75		14.26		0
				1	137	13.68		13.98		13.68		0
				1	271	13.38		14.17		13.57		0
				135	0	13.51		13.92		14.16		0
				135	69	13.52		14.02		13.87		0
				135	138	13.47		14.02		13.64		0
			QPSK	270	0	13.47		14.06		13.85		0
				1	1	13.24		13.73		14.17		0
				1	137	13.64		13.99		13.77		0
				1	271	13.29		13.95		13.46		0
				135	0	13.56		13.93		14.07		0
				135	69	13.50		14.14		13.78		0
				135	138	13.57		14.12		13.62		0
				270	0	13.63		13.94		13.91		0
			16QAM	1	1	13.33		13.81		14.14		0
			64QAM	1	1	13.04		13.54		13.79		0
			256QAM	1	1	13.23		13.80		14.00		0
		CP	QPSK	1	1	13.27		13.72		14.03		0

[NR Band n77 Conducted Power_DOD _Power Class 3_ Grip activated] DSI=1 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630334	633334	636322	
						3455.01MHz	3500.01MHz	3544.99 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.25	14.22	14.21	0
				1	12	14.13	14.20	14.12	0
				1	22	14.10	14.02	14.06	0
				12	0	14.19	14.17	14.04	0
				12	6	14.09	14.05	14.04	0
				12	12	14.19	14.03	14.17	0
			QPSK	24	0	14.18	14.20	14.09	0
				1	1	14.11	14.17	14.07	0
				1	12	14.08	13.94	13.94	0
				1	22	14.08	14.07	13.99	0
				12	0	14.08	14.14	14.08	0
				12	6	14.13	14.14	14.08	0
				12	12	14.15	14.02	14.14	0
				24	0	14.13	14.19	14.03	0
			16QAM	1	1	13.96	14.25	13.94	0
			64QAM	1	1	13.69	13.75	13.65	0
			256QAM	1	1	14.09	14.05	13.97	0
		CP	QPSK	1	1	14.13	14.26	14.21	0

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01MHz	3542.5 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.18	14.38	14.15	0
				1	18	14.15	14.24	14.13	0
				1	36	14.07	14.10	14.07	0
				18	0	14.12	14.21	14.17	0
				18	9	14.09	14.08	14.00	0
				18	18	14.13	14.04	14.13	0
			QPSK	36	0	14.20	14.13	14.17	0
				1	1	14.19	14.14	14.13	0
				1	18	14.03	14.04	13.86	0
				1	36	14.03	13.91	14.09	0
				18	0	14.20	14.03	13.98	0
				18	9	14.02	14.20	14.12	0
				18	18	14.18	14.03	14.10	0
				36	0	14.13	14.13	14.05	0
			16QAM	1	1	13.97	14.19	13.79	0
			64QAM	1	1	13.61	13.76	13.67	0
			256QAM	1	1	13.99	14.19	13.92	0
		CP	QPSK	1	1	14.16	14.14	14.06	0

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.19	14.28	14.20	0
				1	26	14.12	14.14	14.11	0
				1	49	14.17	14.09	14.14	0
				25	0	14.09	14.14	14.13	0
				25	13	14.15	14.12	14.08	0
				25	26	14.17	14.11	14.15	0
				50	0	14.17	14.12	14.13	0
			QPSK	1	1	14.09	14.13	14.07	0
				1	26	14.02	14.01	13.96	0
				1	49	14.04	13.97	14.00	0
				25	0	14.12	14.13	14.08	0
				25	13	14.12	14.10	14.09	0
				25	26	14.16	14.09	14.14	0
				50	0	14.17	14.12	14.06	0
			16QAM	1	1	14.06	14.15	13.85	0
			64QAM	1	1	13.70	13.76	13.60	0
			256QAM	1	1	14.07	14.14	14.01	0
		CP	QPSK	1	1	14.09	14.19	14.16	0

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.16	14.36	14.31	0
				1	39	14.05	14.15	14.12	0
				1	76	14.17	14.16	14.27	0
				36	0	14.15	14.29	14.24	0
				36	21	14.11	14.20	14.16	0
				36	42	14.18	14.21	14.30	0
				75	0	14.18	14.25	14.23	0
			QPSK	1	1	14.11	14.31	14.27	0
				1	39	14.03	14.08	14.08	0
				1	76	14.11	14.10	14.24	0
				36	0	14.16	14.30	14.26	0
				36	21	14.14	14.20	14.18	0
				36	42	14.19	14.22	14.31	0
				75	0	14.16	14.23	14.23	0
			16QAM	1	1	13.83	14.36	14.32	0
			64QAM	1	1	13.73	13.90	13.82	0
			256QAM	1	1	14.04	14.21	14.16	0
		CP	QPSK	1	1	14.12	14.25	14.22	0

NR Band n77_ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						631334	633334	635334	
						3470.01MHz	3500.01MHz	3530.01 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.33	14.43	14.29	0
				1	53	14.20	14.16	14.02	0
				1	104	14.41	14.24	14.31	0
				50	0	14.31	14.32	14.19	0
				50	28	14.24	14.21	14.10	0
				50	56	14.31	14.23	14.23	0
				100	0	14.32	14.27	14.18	0
			QPSK	1	1	14.25	14.32	14.21	0
				1	53	14.11	14.13	13.94	0
				1	104	14.33	14.20	14.22	0
				50	0	14.33	14.33	14.19	0
				50	28	14.27	14.21	14.11	0
				50	56	14.33	14.22	14.25	0
				100	0	14.33	14.29	14.16	0
			16QAM	1	1	14.32	14.27	14.15	0
			64QAM	1	1	13.90	13.96	13.80	0
			256QAM	1	1	14.22	14.29	14.17	0
		CP	QPSK	1	1	14.28	14.42	14.18	0

NR Band n77_ 50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						631666		635000	
						3474.99MHz		3525MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.17		13.87	0
				1	67	14.10		13.75	0
				1	131	13.89		13.80	0
				64	0	14.22		13.84	0
				64	35	14.12		13.81	0
				64	69	14.03		13.79	0
				128	0	14.13		13.84	0
			QPSK	1	1	14.14		13.89	0
				1	67	14.09		13.71	0
				1	131	13.81		13.79	0
				64	0	14.21		13.85	0
				64	35	14.13		13.81	0
				64	69	14.05		13.78	0
				128	0	14.13		13.82	0
			16QAM	1	1	14.01		13.97	0
			64QAM	1	1	13.69		13.44	0
			256QAM	1	1	14.05		13.77	0
		CP	QPSK	1	1	14.11		13.77	0

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	1		14.06		0
				1	81		13.96		0
				1	160		13.88		0
				81	0		14.11		0
				81	41		13.96		0
				81	81		13.90		0
				162	0		14.01		0
			QPSK	1	1		14.05		0
				1	81		13.98		0
				1	160		13.89		0
				81	0		14.12		0
				81	41		14.00		0
				81	81		13.90		0
				162	0		14.02		0
			16QAM	1	1		14.17		0
			64QAM	1	1		13.61		0
			256QAM	1	1		14.02		0
		CP	QPSK	1	1		13.99		0

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	1		14.04		0
				1	95		13.83		0
				1	187		13.81		0
				90	0		14.01		0
				90	50		13.89		0
				90	99		13.92		0
				180	0		13.94		0
			QPSK	1	1		14.08		0
				1	95		13.91		0
				1	187		13.85		0
				90	0		14.02		0
				90	50		13.89		0
				90	99		13.94		0
				180	0		13.93		0
			16QAM	1	1		14.13		0
			64QAM	1	1		13.60		0
			256QAM	1	1		13.99		0
		CP	QPSK	1	1		13.99		0

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	109		14.05		0
				1	215		13.85		0
				108	0		13.87		0
				108	55		14.05		0
				108	109		13.90		0
				216	0		13.92		0
			QPSK	1	1		13.92		0
				1	109		14.01		0
				1	215		13.83		0
				108	0		13.84		0
				108	55		14.07		0
				108	109		13.90		0
				216	0		13.95		0
				216	0		13.93		0
			16QAM	1	1		13.90		0
			64QAM	1	1		13.58		0
			256QAM	1	1		13.90		0
		CP	QPSK	1	1		13.88		0

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	123		13.90		0
				1	243		13.86		0
				120	0		13.93		0
				120	63		14.05		0
				120	125		13.89		0
				243	0		13.93		0
			QPSK	1	1		13.92		0
				1	123		13.86		0
				1	243		13.80		0
				120	0		13.89		0
				120	63		14.08		0
				120	125		13.93		0
				243	0		13.91		0
				243	0		13.94		0
			16QAM	1	1		13.93		0
			64QAM	1	1		13.47		0
			256QAM	1	1		13.82		0
		CP	QPSK	1	1		13.85		0

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
							3500.01MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		13.90		0
				1	137		13.87		0
				1	271		13.98		0
				135	0		14.04		0
				135	69		13.89		0
				135	138		13.93		0
				270	0		13.90		0
			QPSK	1	1		13.91		0
				1	137		13.82		0
				1	271		13.92		0
				135	0		14.04		0
				135	69		13.90		0
				135	138		13.90		0
				270	0		13.91		0
			16QAM	1	1		13.71		0
			64QAM	1	1		13.48		0
			256QAM	1	1		13.80		0
		CP	QPSK	1	1		13.84		0

[NR Band n77 Conducted Power_DOD _Power Class 2_ Grip activated] DSI=1 [Main Ant3]

NR Band n77_ 10 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630334	633334	636322	
						3455.01MHz	3500.01MHz	3544.99 MHz	
10 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.26	14.21	14.26	0
				1	12	14.09	14.12	14.25	0
				1	22	14.11	14.02	14.29	0
				12	0	14.10	14.16	14.19	0
				12	6	14.21	14.14	14.21	0
				12	12	14.33	14.08	14.10	0
			QPSK	24	0	14.28	14.22	13.98	0
				1	1	14.12	14.14	13.92	0
				1	12	14.03	13.93	13.89	0
				1	22	14.10	13.93	13.87	0
				12	0	14.05	14.09	14.16	0
				12	6	14.07	13.98	14.11	0
				12	12	14.20	14.08	14.20	0
				24	0	14.29	14.16	14.01	0
			16QAM	1	1	14.21	14.21	13.69	0
			64QAM	1	1	13.74	13.77	13.78	0
			256QAM	1	1	14.04	14.23	14.18	0
		CP	QPSK	1	1	14.19	14.07	14.20	0

NR Band n77_ 15 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630500	633334	636166	
						3457.5 MHz	3500.01MHz	3542.5 MHz	
15 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.33	14.34	14.23	0
				1	18	14.15	14.14	14.16	0
				1	36	14.03	13.98	14.29	0
				18	0	14.16	14.06	14.08	0
				18	9	14.20	14.07	14.08	0
				18	18	14.35	14.15	14.21	0
			QPSK	36	0	14.17	14.04	14.10	0
				1	1	14.06	14.01	13.90	0
				1	18	14.16	14.00	13.88	0
				1	36	14.00	13.88	13.87	0
				18	0	14.00	13.97	14.22	0
				18	9	14.16	14.05	13.98	0
				18	18	14.23	14.05	14.19	0
				36	0	14.31	14.15	13.98	0
			16QAM	1	1	14.16	14.19	13.67	0
			64QAM	1	1	13.70	13.73	13.78	0
			256QAM	1	1	13.99	14.11	14.18	0
		CP	QPSK	1	1	14.25	14.19	14.01	0

NR Band n77_ 20 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
20 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.29	14.28	14.22	0
				1	26	14.08	14.06	14.15	0
				1	49	14.07	14.00	14.19	0
				25	0	14.17	14.07	14.17	0
				25	13	14.23	14.11	14.12	0
				25	26	14.26	14.06	14.20	0
				50	0	14.20	14.13	14.03	0
			QPSK	1	1	14.16	14.08	14.00	0
				1	26	14.06	14.02	13.87	0
				1	49	14.04	13.90	13.97	0
				25	0	14.09	14.03	14.16	0
				25	13	14.15	14.06	14.01	0
				25	26	14.25	14.01	14.19	0
				50	0	14.23	14.08	14.02	0
			16QAM	1	1	14.14	14.20	13.75	0
			64QAM	1	1	13.77	13.68	13.69	0
			256QAM	1	1	13.98	14.17	14.11	0
		CP	QPSK	1	1	14.18	14.15	14.10	0

NR Band n77_ 30 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						630666	633334	636000	
						3459.99MHz	3500.01MHz	3540MHz	
30 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.11	14.38	14.33	0
				1	39	14.03	14.09	14.16	0
				1	76	14.26	14.12	14.35	0
				36	0	14.19	14.19	14.20	0
				36	21	14.19	14.10	14.15	0
				36	42	14.20	14.30	14.24	0
				75	0	14.08	14.30	14.31	0
			QPSK	1	1	14.11	14.35	14.28	0
				1	39	14.01	14.14	14.03	0
				1	76	14.02	14.08	14.14	0
				36	0	14.17	14.27	14.33	0
				36	21	14.05	14.13	14.11	0
				36	42	14.14	14.14	14.27	0
				75	0	14.06	14.17	14.18	0
			16QAM	1	1	13.76	14.39	14.32	0
			64QAM	1	1	13.69	13.88	13.85	0
			256QAM	1	1	14.05	14.27	14.06	0
		CP	QPSK	1	1	14.14	14.22	14.29	0

NR Band n77_ 40 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						631334	633334	635334	
						3470.01MHz	3500.01MHz	3530.01 MHz	
40 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.41	14.40	14.24	0
				1	53	14.10	14.17	13.98	0
				1	104	14.40	14.28	14.22	0
				50	0	14.41	14.25	14.24	0
				50	28	14.28	14.24	14.08	0
				50	56	14.31	14.32	14.30	0
				100	0	14.25	14.22	14.17	0
			QPSK	1	1	14.18	14.41	14.16	0
				1	53	14.12	14.13	14.04	0
				1	104	14.40	14.21	14.14	0
				50	0	14.28	14.29	14.23	0
				50	28	14.24	14.29	14.03	0
				50	56	14.27	14.15	14.35	0
				100	0	14.23	14.26	14.21	0
			16QAM	1	1	14.27	14.31	14.18	0
			64QAM	1	1	13.91	14.05	13.90	0
			256QAM	1	1	14.26	14.21	14.16	0
		CP	QPSK	1	1	14.38	14.32	14.27	0

NR Band n77_ 50 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
						631666		635000	
						3474.99MHz		3525MHz	
50 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	14.27		13.84	0
				1	67	14.15		13.80	0
				1	131	13.81		13.88	0
				64	0	14.16		13.89	0
				64	35	14.02		13.77	0
				64	69	14.08		13.89	0
				128	0	14.14		13.81	0
			QPSK	1	1	14.23		13.80	0
				1	67	14.02		13.61	0
				1	131	13.90		13.83	0
				64	0	14.28		13.93	0
				64	35	14.19		13.79	0
				64	69	13.98		13.76	0
				128	0	14.06		13.81	0
			16QAM	1	1	14.00		13.91	0
			64QAM	1	1	13.60		13.47	0
			256QAM	1	1	13.97		13.71	0
		CP	QPSK	1	1	14.14		13.81	0

NR Band n77_60 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		0
				1	81		14.04		0
				1	160		13.86		0
				81	0		13.78		0
				81	41		14.01		0
				81	81		13.97		0
				162	0		13.94		0
			QPSK	1	1		13.91		0
				1	81		13.99		0
				1	160		13.92		0
				81	0		13.81		0
				81	41		14.19		0
				81	81		13.95		0
				162	0		13.87		0
			16QAM	1	1		14.03		0
			64QAM	1	1		14.26		0
			256QAM	1	1		13.64		0
			CP	1	1		13.96		0
				1	1		13.91		0
				1	1				0

NR Band n77_70 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
70 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		0
				1	95		14.04		0
				1	187		13.79		0
				90	0		13.74		0
				90	50		14.09		0
				90	99		13.88		0
				180	0		13.87		0
			QPSK	1	1		13.89		0
				1	95		13.98		0
				1	187		13.96		0
				90	0		13.93		0
				90	50		14.01		0
				90	99		13.97		0
				180	0		13.98		0
			16QAM	1	1		13.99		0
			64QAM	1	1		14.05		0
			256QAM	1	1		13.50		0
			CP	1	1		14.08		0
				1	1		13.99		0
				1	1				0

NR Band n77_80 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	109		14.07		0
				1	215		13.92		0
				108	0		13.81		0
				108	55		14.14		0
				108	109		13.80		0
			QPSK	216	0		13.89		0
				1	1		13.87		0
				1	109		14.09		0
				1	215		13.78		0
				108	0		13.75		0
				108	55		14.06		0
				108	109		13.89		0
				216	0		13.89		0
			16QAM	1	1		13.89		0
			64QAM	1	1		13.94		0
			256QAM	1	1		13.63		0
			CP	1	1		13.96		0
				1	1		13.97		0
				1	1				0

NR Band n77_90 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
90 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		3500.01MHz		
				1	123		13.96		0
				1	243		13.83		0
				120	0		13.83		0
				120	63		14.06		0
				120	125		13.86		0
			QPSK	243	0		13.90		0
				1	1		13.83		0
				1	123		13.76		0
				1	243		13.81		0
				120	0		13.96		0
				120	63		14.12		0
				120	125		13.94		0
				243	0		13.94		0
			16QAM	1	1		13.90		0
			64QAM	1	1		13.92		0
			256QAM	1	1		13.48		0
			CP	1	1		13.73		0
				1	1		13.77		0
				1	1				0

NR Band n77_ 100 MHz Bandwidth

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Grip Backoff Power [dBm]			MPR [dB]
							633334		
							3500.01MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1		13.86		0
				1	137		13.86		0
				1	271		13.98		0
				135	0		14.03		0
				135	69		13.84		0
				135	138		13.93		0
				270	0		13.96		0
			QPSK	1	1		13.98		0
				1	137		13.85		0
				1	271		13.88		0
				135	0		14.06		0
				135	69		13.86		0
				135	138		13.94		0
				270	0		13.96		0
			16QAM	1	1		13.81		0
			64QAM	1	1		13.51		0
			256QAM	1	1		13.74		0
		CP	QPSK	1	1		13.87		0

11.6 WIFI Conducted Power measurement method

Un-Licensed bands (DTS Band)

Test Description	Test Procedure Used
Conducted Output Power	- KDB 558074 v05 - Section 8.3.2.3 - ANSI 63.10-2013 - Section 11.9.2.3

Test Procedure

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

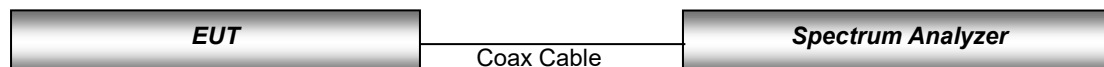
Un-Licensed bands (NII Band)

Test Description	Test Procedure Used
Conducted Output Power	- KDB 789033 D02 v02r01 - Section E.3.a

Test Procedure

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

Test setup



11.6.1 IEEE 802.11 (2.4 GHz) Maximum Conducted Power

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			Ant.1	Ant.2	MIMO
802.11b	2 412	1	18.00	17.29	20.67
	2 437	6	17.85	17.29	20.59
	2 462	11	17.81	17.37	20.60
802.11g	2 412	1	17.86	17.35	20.63
	2 437	6	17.81	17.39	20.61
	2 462	11	17.65	17.42	20.55
802.11n (HT20)	2 412	1	17.73	17.11	20.45
	2 437	6	17.74	17.13	20.46
	2 462	11	15.40	14.91	18.17

11.6.2 IEEE 802.11 (2.4 GHz) Reduced Conducted Power (Grip Active)

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			Ant.1	Ant.2	MIMO
802.11b	2 412	1	12.50	12.42	15.47
	2 437	6	12.86	12.48	15.68
	2 462	11	12.66	12.34	15.51
802.11g	2 412	1	12.25	12.19	15.23
	2 437	6	12.69	12.13	15.43
	2 462	11	12.42	12.29	15.37
802.11n (HT20)	2 412	1	12.11	12.05	15.09
	2 437	6	12.54	11.94	15.26
	2 462	11	12.22	12.13	15.19

11.6.3 IEEE 802.11 (2.4 GHz) Conducted Power

The below table is applicable in the following conditions:

- Simultaneous conditions with 5GHz/6GHz WLAN
- Simultaneous conditions with 5G NR (mmWave, Sub6)

Mode	Frequency [MHz]	Channel	IEEE 802.11 (2.4 GHz) Average RF Conducted Power [dBm]		
			Ant.1	Ant.2	MIMO
802.11b	2 412	1	10.75	10.41	13.60
	2 437	6	10.92	10.63	13.79
	2 462	11	10.50	10.62	13.57
802.11g	2 412	1	10.58	10.39	13.49
	2 437	6	10.78	10.46	13.63
	2 462	11	10.48	10.50	13.50
802.11n (HT20)	2 412	1	10.43	10.22	13.33
	2 437	6	10.69	10.30	13.51
	2 462	11	10.37	10.33	13.36

11.6.4 IEEE 802.11 (5 GHz) Maximum Conducted Power

Frequency [MHz]	Channel	IEEE 802.11 a(20 MHz BW) Conducted Power [dBm]		
		Ant.1	Ant.2	MIMO
5 180	36	17.00	16.23	19.64
5 200	40	16.95	16.31	19.65
5 220	44	17.09	16.81	19.96
5 240	48	17.16	16.56	19.88
5 260	52	17.08	16.24	19.69
5 280	56	16.92	16.67	19.81
5 300	60	16.95	16.24	19.62
5 320	64	17.36	16.35	19.89
5 500	100	16.86	15.83	19.38
5 600	120	16.74	15.80	19.31
5 620	124	16.84	16.64	19.75
5 720	144	16.29	15.57	18.96
5 745	149	16.75	15.86	19.33
5 785	157	16.84	16.34	19.61
5 825	165	15.57	16.43	19.03
5 845	169	15.65	16.40	19.05
5 865	173	15.52	16.33	18.95
5 885	177	16.48	17.43	19.99

11.6.5 IEEE 802.11 (5 GHz) Reduced Conducted Power (Grip Active)

Frequency [MHz]	Channel	IEEE 802.11 ac(80 MHz BW) Conducted Power [dBm]		
		Ant.1	Ant.2	MIMO
5 210	42	8.42	8.07	11.26
5 290	58	7.88	7.79	10.85
5 530	106	8.19	8.07	11.14
5 610	122	8.37	8.01	11.20
5 690	138	8.82	8.33	11.59
5 775	155	8.79	7.99	11.42
5 855	171	8.59	8.47	11.54

11.6.6 IEEE 802.11 (5 GHz) Conducted Power (RSDB, mmWave, Sub6)

The below table is applicable in the following conditions:

- Simultaneous conditions with 2.4 GHz WLAN
- Simultaneous conditions with 5G NR (mmWave, Sub6)

Frequency [MHz]	Channel	IEEE 802.11 ac(80 MHz BW) Conducted Power [dBm]		
		Ant.1	Ant.2	MIMO
5 210	42	6.35	5.87	9.13
5 290	58	5.67	5.39	8.54
5 530	106	5.93	5.40	8.68
5 610	122	6.13	5.92	9.04
5 690	138	6.36	6.18	9.28
5 775	155	6.37	5.97	9.00
5 855	171	6.80	6.79	9.81

11.6.7 IEEE 802.11 (6 GHz) Maximum Conducted Power

Frequency [MHz]	Channel	IEEE 802.11 a(20 MHz BW) Conducted Power [dBm]	IEEE 802.11 ax(20 MHz BW) Conducted Power [dBm]
		MIMO	
5 935	2	12.53	12.44
6 075	25	12.69	12.28
6 175	45	12.74	12.27
6 275	65	12.85	12.12
6 415	93	12.45	12.11
6 435	97	12.40	12.16
6 475	105	12.42	12.29
6 515	113	12.44	11.97
6 535	117	12.52	11.85
6 675	145	12.62	12.30
6 695	149	12.65	12.25
6 875	185	12.59	12.34
6 895	189	12.58	12.39
6 995	209	12.60	12.25
7 115	233	12.84	12.05

11.6.8 IEEE 802.11 (6 GHz) Reduced Conducted Power (Grip Active)

Frequency [MHz]	Channel	IEEE 802.11 a(20 MHz BW) Conducted Power [dBm]	IEEE 802.11 ax(20 MHz BW) Conducted Power [dBm]
		MIMO	
5 935	2	11.84	11.22
6 075	25	11.33	11.03
6 175	45	11.63	11.27
6 275	65	11.81	11.36
6 415	93	11.92	11.58
6 435	97	11.93	11.63
6 475	105	11.92	11.68
6 515	113	11.94	11.17
6 535	117	11.30	11.30
6 675	145	11.48	11.36
6 695	149	11.47	11.35
6 875	185	11.58	11.55
6 895	189	11.56	11.38
6 995	209	11.67	11.67
7 115	233	11.40	11.50

11.6.9 IEEE 802.11 (6 GHz) Conducted Power

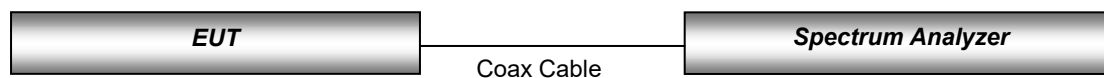
- Simultaneous conditions with 2.4 GHz WLAN
- Simultaneous conditions with 5G NR (mmWave, Sub6)

Frequency [MHz]	Channel	IEEE 802.11 a(20 MHz BW) Conducted Power [dBm]	IEEE 802.11 ax(20 MHz BW) Conducted Power [dBm]
		MIMO	
5 935	2	9.70	9.06
6 075	25	9.96	9.21
6 175	45	9.63	9.29
6 275	65	9.75	9.61
6 415	93	9.87	9.23
6 435	97	9.77	9.35
6 475	105	9.79	9.16
6 515	113	9.80	9.28
6 535	117	9.85	9.42
6 675	145	9.92	9.32
6 695	149	9.79	9.33
6 875	185	9.61	9.44
6 895	189	9.56	8.88
6 995	209	9.90	9.60
7 115	233	9.32	9.49

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission mode with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.

Test Configuration



11.8 Bluetooth

11.8.1 Bluetooth Maximum Conducted Power

The Burst averaged-conducted power (Maximum)

Mode	Channel	Bluetooth Power [dBm]	
		Ant1	Ant2
DH5	0	15.68	15.04
	39	16.49	16.22
	78	16.10	14.08
2-DH5	0	13.44	12.76
	39	14.28	13.98
	78	13.92	11.90
3-DH5	0	13.44	12.78
	39	14.28	13.99
	78	13.92	11.90

The Burst averaged-conducted power Grip sensor active (Reduced)

Mode	Channel	Bluetooth Power [dBm]	
		Ant1	Ant2
DH5	0	8.71	7.97
	39	9.4	8.91
	78	9.21	6.93
2-DH5	0	9.18	8.43
	39	9.88	9.45
	78	9.6	7.45
3-DH5	0	9.08	8.43
	39	9.82	9.47
	78	9.61	7.48

The Burst averaged-conducted power

- Simultaneous conditions with 5G NR (mmWave, Sub6)

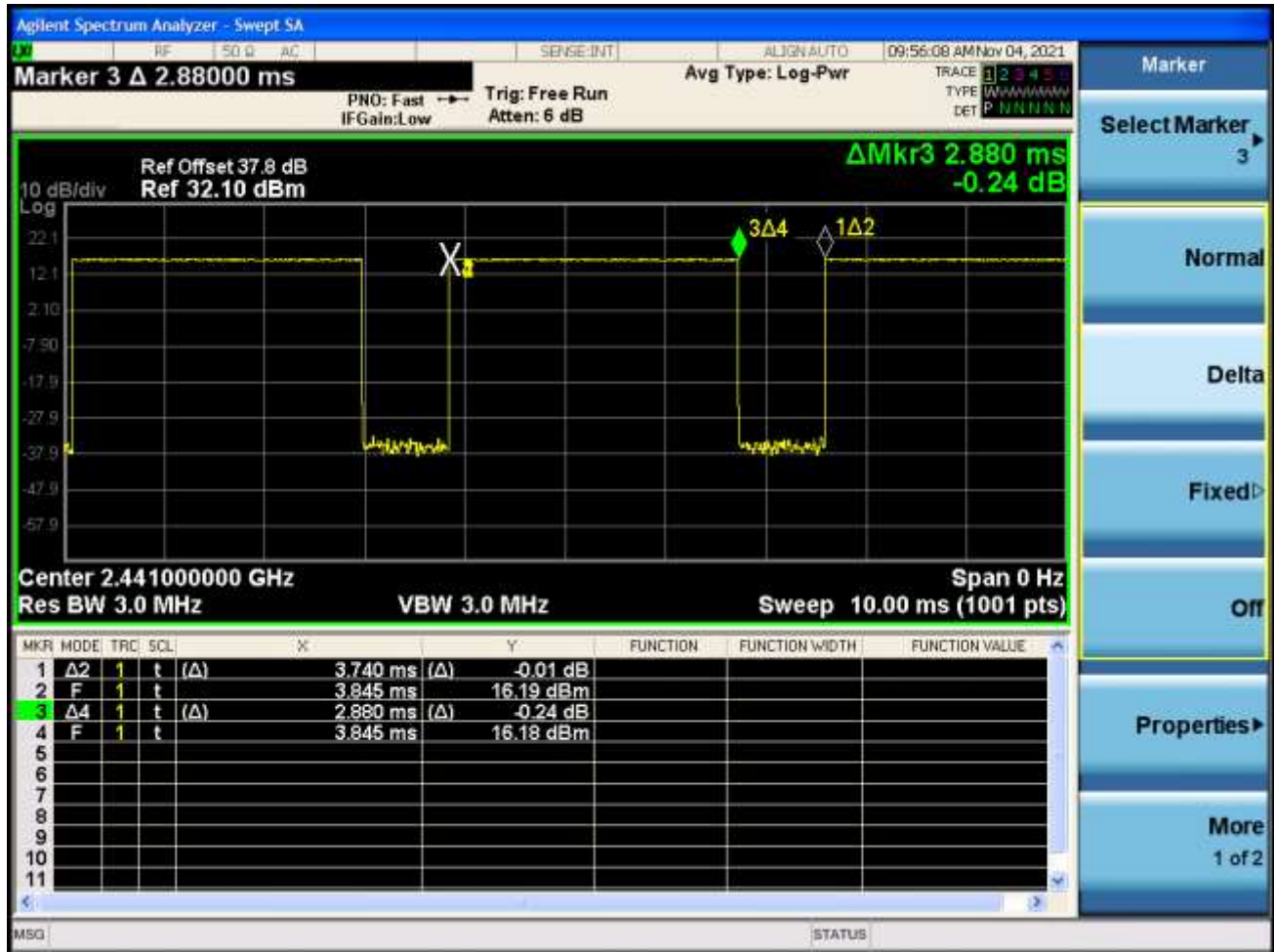
Mode	Channel	Bluetooth Power [dBm]	
		Ant1	Ant2
DH5	0	7.75	6.98
	39	8.44	8.01
	78	8.21	6.01
2-DH5	0	7.2	6.6
	39	7.96	7.66
	78	7.77	5.67
3-DH5	0	7.33	6.59
	39	8.04	7.62
	78	7.86	5.63

Per October 2016 TCB Workshop Notes:

When call box and Bluetooth protocol are used for Bluetooth SAR measurement, time-domain plot is required to identify duty factor for supporting the test setup and result.

Bluetooth duty cycle was measured using Bluetooth tester equipment (CBT / R&S) with Bluetooth protocol. DH5 mode is the highest duty cycle and conducted power. SAR test were performed at DH5 mode.

Bluetooth DH5 mode



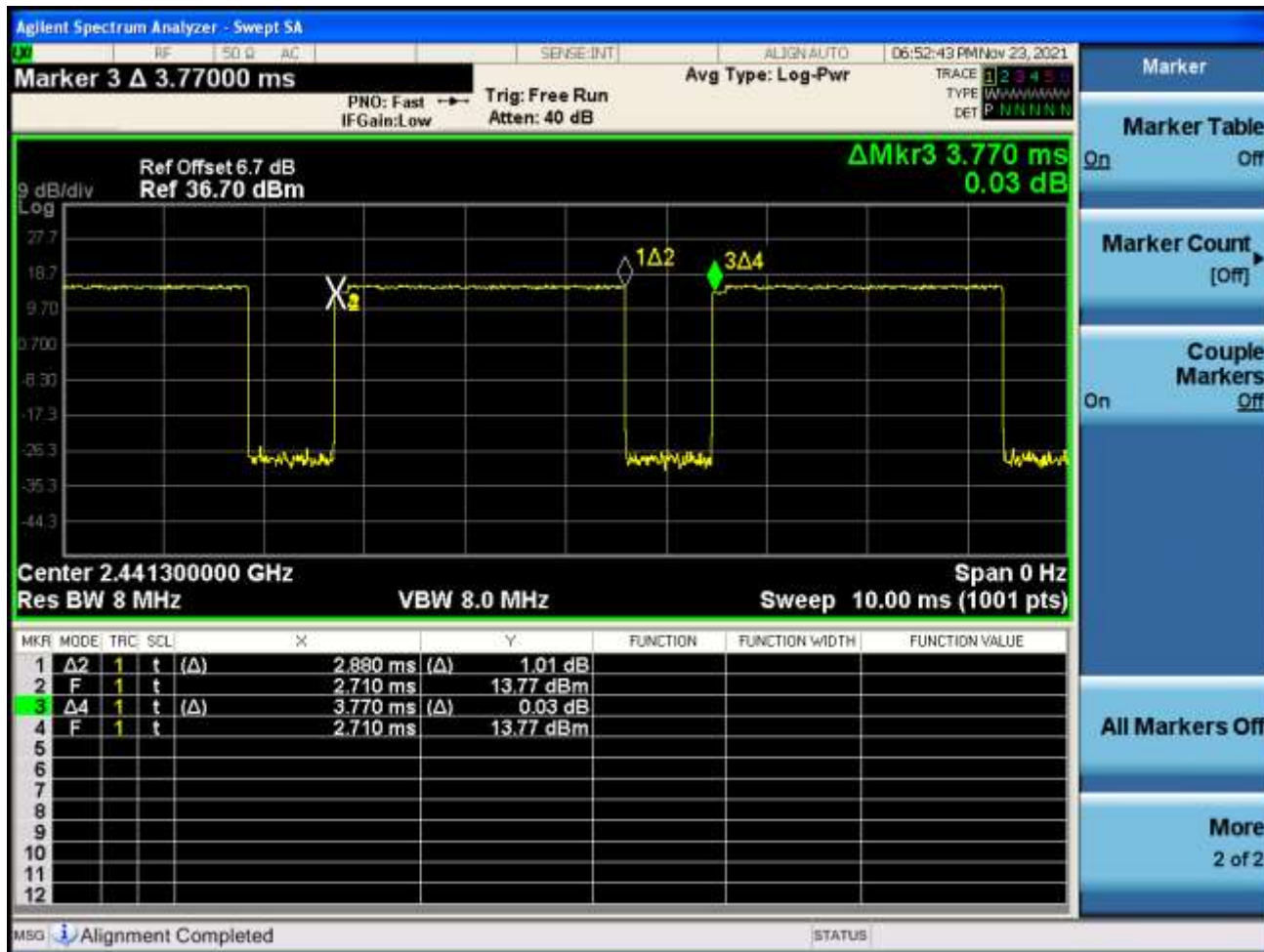
Bluetooth

Duty Cycle

= (BT-On time / BT-Full time) = (2.880 / 3.740) = 0.770 (DH5)

Duty factor = 1 / Duty cycle : 1.299

Bluetooth 2DH5 mode



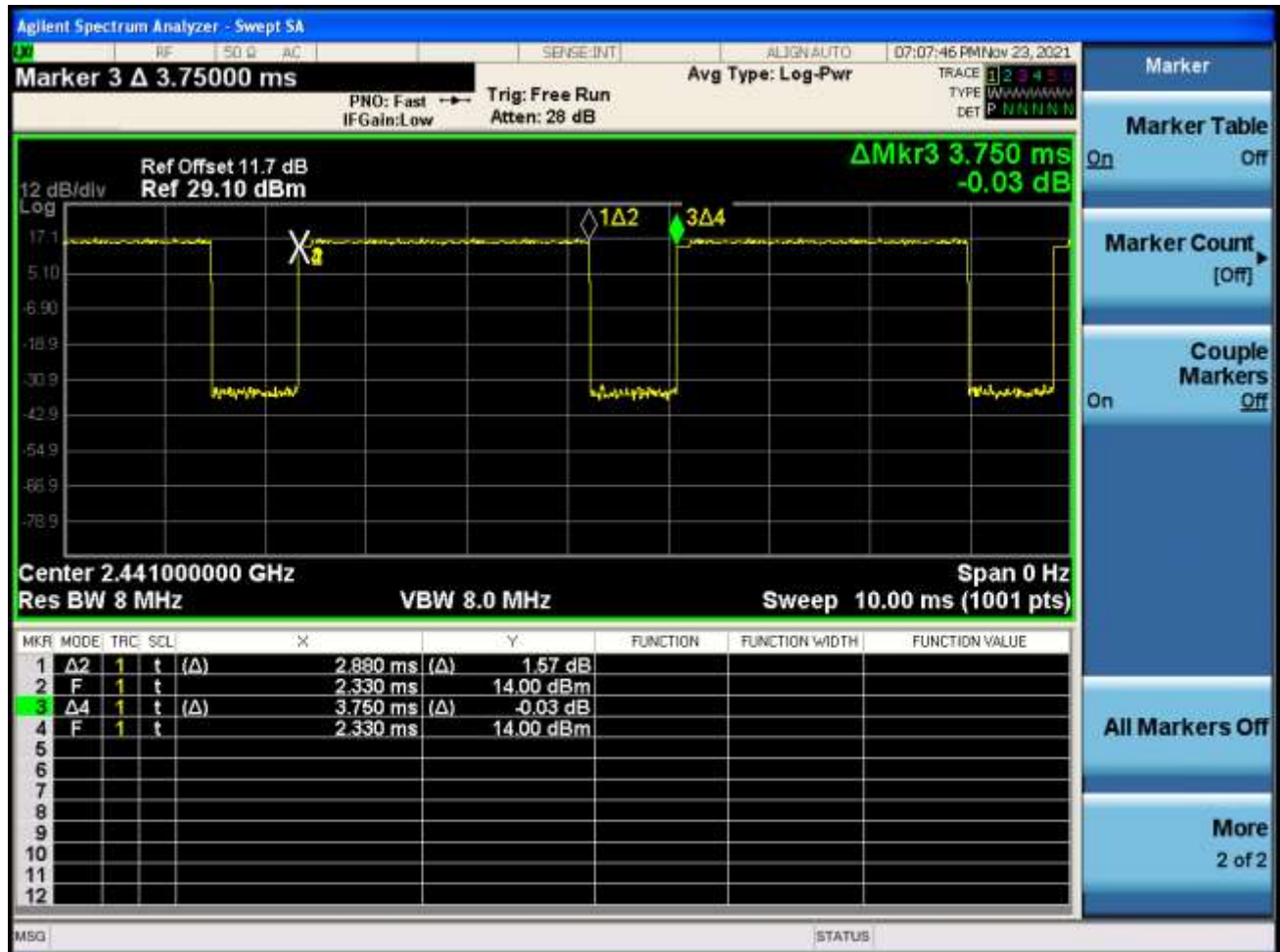
Bluetooth

Duty Cycle

= (BT-On time / BT-Full time) = (2.880 / 3.770) = 0.764 (2DH5)

Duty factor = 1 / Duty cycle : 1.309

Bluetooth 3DH5 mode



Bluetooth

Duty Cycle

= (BT-On time / BT-Full time) = (2.880/3.750) = 0.768 (3DH5)

Duty factor= 1/Duty cycle : 1.302

12. System Verification

12.1 Tissue Verification

The body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity.

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
09/27/2021	22.9	750H	705	0.921	42.427	0.889	42.174	3.60	0.60
			710	0.922	42.373	0.890	42.148	3.60	0.53
			750	0.935	42.218	0.893	41.940	4.70	0.66
09/20/2021	22.8	750H	710	0.854	43.054	0.890	42.148	-4.04	2.15
			750	0.884	42.522	0.893	41.940	-1.01	1.39
09/20/2021	22.8	750H	750	0.899	41.773	0.893	41.940	0.67	-0.40
			785	0.934	41.236	0.896	41.758	4.24	-1.25
09/22/2021	21.7	835H	820	0.898	42.228	0.899	41.577	-0.11	1.57
			835	0.913	42.034	0.900	41.500	1.44	1.29
			850	0.930	41.893	0.916	41.500	1.53	0.95
10/28/2021	23.0	835H	820	0.915	40.917	0.899	41.577	1.78	-1.59
			835	0.935	40.672	0.900	41.500	3.89	-2.00
			850	0.952	40.455	0.916	41.500	3.93	-2.52
09/22/2021	21.7	835H	820	0.913	43.080	0.899	41.577	1.56	3.61
			835	0.920	43.065	0.900	41.500	2.22	3.77
			850	0.926	42.952	0.916	41.500	1.09	3.50
09/24/2021	22.8	1800H	1710	1.322	41.544	1.348	40.144	-1.93	3.49
			1750	1.363	41.347	1.371	40.080	-0.58	3.16
			1800	1.418	41.121	1.400	40.000	1.29	2.80
09/23/2021	22.5	1800H	1710	1.324	41.553	1.348	40.144	-1.78	3.51
			1750	1.364	41.319	1.371	40.080	-0.51	3.09
			1800	1.416	41.107	1.400	40.000	1.14	2.77
10/19/2021	22.6	1800H	1710	1.337	41.543	1.348	40.144	-0.82	3.48
			1750	1.377	41.325	1.371	40.080	0.44	3.11
			1800	1.428	41.140	1.400	40.000	2.00	2.85
09/24/2021	22.8	1900H	1850	1.418	40.967	1.400	40.000	1.29	2.42
			1900	1.460	40.907	1.400	40.000	4.29	2.27
			1910	1.468	40.844	1.400	40.000	4.86	2.11
09/21/2021	22.6	1900H	1850	1.350	41.625	1.400	40.000	-3.57	4.06
			1900	1.415	41.400	1.400	40.000	1.07	3.50
			1910	1.413	40.365	1.400	40.000	0.93	0.93
10/27/2021	22.3	1900H	1850	1.350	41.513	1.400	40.000	-3.57	3.78
			1900	1.403	41.324	1.400	40.000	0.21	3.31
			1910	1.412	41.273	1.400	40.000	0.86	3.18
09/28/2021	23.4	2450H	2400	1.770	38.144	1.756	39.290	0.80	-2.92
			2450	1.829	37.880	1.800	39.200	1.61	-3.37
			2500	1.883	37.721	1.855	39.140	1.51	-3.63
09/28/2021	23.4	2450H	2400	1.763	38.014	1.756	39.290	0.40	-3.25
			2450	1.825	37.839	1.800	39.200	1.39	-3.47
			2500	1.883	37.729	1.855	39.140	1.51	-3.61
09/28/2021	23.4	2450H	2400	1.777	37.978	1.756	39.290	1.20	-3.34
			2450	1.821	37.854	1.800	39.200	1.17	-3.43
			2500	1.885	37.718	1.855	39.140	1.62	-3.63

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
09/28/2021	23.4	2450H	2400	1.770	38.038	1.756	39.290	0.80	-3.19
			2450	1.829	37.880	1.800	39.200	1.61	-3.37
			2500	1.883	37.726	1.855	39.140	1.51	-3.61
09/29/2021	22.6	2450H	2400	1.775	38.167	1.756	39.290	1.08	-2.86
			2450	1.825	37.839	1.800	39.200	1.39	-3.47
			2500	1.882	37.729	1.855	39.140	1.46	-3.61
09/29/2021	22.6	2450H	2400	1.759	37.978	1.756	39.290	0.17	-3.34
			2450	1.821	37.854	1.800	39.200	1.17	-3.43
			2500	1.882	37.735	1.855	39.140	1.46	-3.59
10/20/2021	21.1	2450H	2400	1.757	38.006	1.756	39.290	0.06	-3.27
			2450	1.831	37.863	1.800	39.200	1.72	-3.41
			2500	1.884	37.722	1.855	39.140	1.56	-3.62
10/20/2021	21.1	2450H	2400	1.763	38.183	1.756	39.290	0.40	-2.82
			2450	1.831	37.860	1.800	39.200	1.72	-3.42
			2500	1.884	37.742	1.855	39.140	1.56	-3.57
10/12/2021	22.4	2600H	2500	1.928	38.108	1.855	39.140	3.94	-2.64
			2600	2.040	37.669	1.964	39.010	3.87	-3.44
10/15/2021	21.4	2600H	2500	1.925	40.622	1.855	39.140	3.77	3.79
			2600	2.042	40.191	1.964	39.010	3.97	3.03
10/14/2021	21.8	2600H	2500	1.861	39.751	1.855	39.140	0.32	1.56
			2600	1.948	39.724	1.964	39.010	-0.81	1.83
			2690	2.021	39.553	2.062	38.894	-1.99	1.69

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
11/23/2021	22.1	750H	705	0.918	42.427	0.889	42.174	3.26	0.60
			710	0.919	42.373	0.890	42.148	3.26	0.53
			750	0.932	42.218	0.893	41.940	4.37	0.66
11/17/2021	22.2	750H	710	0.919	42.359	0.890	42.148	3.26	0.50
			750	0.932	42.203	0.893	41.940	4.37	0.63
11/04/2021	21.7	750H	750	0.896	42.189	0.893	41.940	0.34	0.59
			785	0.918	42.113	0.896	41.758	2.46	0.85
11/01/2021	20.4	750H	705	0.917	42.386	0.889	42.174	3.15	0.50
			710	0.918	42.301	0.890	42.148	3.15	0.36
			750	0.934	42.139	0.893	41.940	4.59	0.47
11/04/2021	21.7	835H	820	0.927	40.789	0.899	41.577	3.11	-1.90
			835	0.941	40.594	0.900	41.500	4.56	-2.18
			850	0.955	40.325	0.916	41.500	4.26	-2.83
11/16/2021	21.7	835H	820	0.924	40.818	0.899	41.577	2.78	-1.83
			835	0.941	40.594	0.900	41.500	4.56	-2.18
			850	0.953	40.370	0.916	41.500	4.04	-2.72
11/22/2021	21.4	835H	820	0.923	42.368	0.899	41.577	2.67	1.90
			835	0.939	42.174	0.900	41.500	4.33	1.62
			850	0.956	42.033	0.916	41.500	4.37	1.28
11/12/2021	20.2	1800H	1710	1.322	41.551	1.348	40.144	-1.93	3.50
			1750	1.365	41.355	1.371	40.080	-0.44	3.18
			1800	1.415	41.140	1.400	40.000	1.07	2.85
11/04/2021	21.5	1800H	1710	1.282	41.566	1.348	40.144	-4.90	3.54
			1750	1.328	41.343	1.371	40.080	-3.14	3.15
			1800	1.370	41.102	1.400	40.000	-2.14	2.75
11/22/2021	21.4	1800H	1710	1.317	41.454	1.348	40.144	-2.30	3.26
			1750	1.353	41.257	1.371	40.080	-1.31	2.94
			1800	1.408	41.032	1.400	40.000	0.57	2.58
11/11/2021	20.4	1900H	1850	1.352	41.230	1.400	40.000	-3.43	3.07
			1900	1.384	41.089	1.400	40.000	-1.14	2.72
			1910	1.414	40.999	1.400	40.000	1.00	2.50
11/02/2021	20.6	1900H	1850	1.343	41.035	1.400	40.000	-4.07	2.59
			1900	1.397	40.852	1.400	40.000	-0.21	2.13
			1910	1.409	40.827	1.400	40.000	0.64	2.07
11/23/2021	22.1	1900H	1850	1.392	40.907	1.400	40.000	-0.57	2.27
			1900	1.408	40.817	1.400	40.000	0.57	2.04
			1910	1.413	40.774	1.400	40.000	0.93	1.94
11/05/2021	21.5	2600H	2500	1.925	39.638	1.855	39.140	3.77	1.27
			2600	2.036	39.183	1.964	39.010	3.67	0.44
11/19/2021	21.1	2600H	2500	1.831	39.601	1.855	39.140	-1.29	1.18
			2600	1.924	39.554	1.964	39.010	-2.04	1.39
11/03/2021	21.0	3400H~3550	3400	2.834	38.263	2.810	38.040	0.85	0.59
			3500	2.897	38.048	2.913	37.930	-0.55	0.31
			3550	2.933	37.916	2.964	37.870	-1.05	0.12
11/05/2021	21.5	3700H~3970H	3700	3.212	37.819	3.118	37.700	3.01	0.32
			3750	3.250	37.829	3.169	37.640	2.56	0.50
			3800	3.284	37.852	3.220	37.590	1.99	0.70
			3900	3.341	37.779	3.233	37.470	3.34	0.82
			3970	3.393	37.637	3.394	37.390	-0.03	0.66

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
09/30/2021	23.4	5180H-5885H	5180	4.786	37.271	4.635	36.010	3.26	3.50
			5250	4.886	37.086	4.706	35.930	3.82	3.22
			5280	4.797	36.943	4.737	35.894	1.27	2.92
			5320	4.810	36.943	4.778	35.846	0.67	3.06
10/02/2021	22.6		5500	4.863	36.983	4.963	35.640	-2.01	3.77
			5600	4.905	36.617	5.065	35.530	-3.16	3.06
10/06/2021	20.7		5750	5.427	36.517	5.219	35.360	3.99	3.27
			5800	5.424	36.575	5.270	35.300	2.92	3.61
			5825	5.313	36.195	5.296	35.270	0.32	2.62
			5835	5.313	36.195	5.306	35.258	0.13	2.66
10/22/2021	22.5		5845	5.262	36.374	5.316	35.246	-1.02	3.20
			5855	5.334	36.262	5.326	35.235	0.15	2.91
			5865	5.424	36.169	5.337	35.225	1.63	2.68
			5875	5.348	36.206	5.347	35.215	0.02	2.81
			5885	5.274	36.176	5.357	35.205	-1.55	2.76
10/01/2021	22.7		5180H-5885H	5180	4.631	36.131	4.635	36.010	-0.09
		5250		4.725	35.919	4.706	35.930	0.40	-0.03
		5280		4.777	35.958	4.737	35.894	0.84	0.18
		5320		4.845	35.970	4.778	35.846	1.40	0.35
10/05/2021	22.8	5500		4.964	35.744	4.963	35.640	0.02	0.29
		5600		5.029	35.513	5.065	35.530	-0.71	-0.05
10/07/2021	23.0	5750		5.284	35.437	5.219	35.360	1.25	0.22
		5800		5.246	35.442	5.270	35.300	-0.46	0.40
		5825		5.242	35.350	5.296	35.270	-1.02	0.23
		5835		5.242	35.294	5.306	35.258	-1.21	0.10
10/13/2021	24.6	5845		5.206	36.200	5.316	35.246	-2.07	2.71
		5855		5.259	36.112	5.326	35.235	-1.26	2.49
		5865		5.370	36.024	5.337	35.225	0.62	2.27
		5875		5.316	36.066	5.347	35.215	-0.58	2.42
		5885		5.238	36.021	5.357	35.205	-2.22	2.32

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Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
11/01/2021	20.4	750H	705	0.921	42.496	0.889	42.174	3.60	0.76
			710	0.922	42.411	0.890	42.148	3.60	0.62
			750	0.937	42.249	0.893	41.940	4.93	0.74
10/18/2021	21.9	835H	820	0.899	42.202	0.899	41.577	0.00	1.50
			835	0.916	42.009	0.900	41.500	1.78	1.23
			850	0.929	41.868	0.916	41.500	1.42	0.89
10/12/2021	22.4	1800H	1710	1.305	41.544	1.348	40.144	-3.19	-3.19
			1750	1.345	41.331	1.371	40.080	-1.90	-1.90
			1800	1.394	41.108	1.400	40.000	-0.43	-0.43
10/18/2021	21.8	1900H	1850	1.349	41.489	1.400	40.000	-3.64	-3.64
			1900	1.405	41.347	1.400	40.000	0.36	0.36
			1910	1.417	41.323	1.400	40.000	1.21	1.21
11/10/2021	20.7	2600H	2500	1.921	40.115	1.855	39.140	3.56	3.56
			2600	2.042	39.712	1.964	39.010	3.97	3.97
			2690	2.107	38.089	2.062	38.894	2.18	2.18
11/09/2021	20.8	2600H	2500	1.906	39.975	1.855	39.140	2.75	2.75
			2600	2.026	39.582	1.964	39.010	3.16	3.16
			2690	2.090	37.959	2.062	38.894	1.36	1.36
10/08/2021	23.5	3400H~3550	3400	2.900	38.422	2.810	38.040	3.20	1.00
			3500	2.964	38.226	2.913	37.930	1.75	0.78
			3550	3.000	38.097	2.964	37.870	1.21	0.60
10/29/2021	22.3	3400H~3550	3400	2.900	38.411	2.810	38.040	3.20	0.98
			3500	2.965	38.210	2.913	37.930	1.79	0.74
			3550	3.001	38.072	2.964	37.870	1.25	0.53
11/02/2021	20.6	3700H~3970H	3700	3.145	37.410	3.118	37.700	0.87	-0.77
			3750	3.198	37.499	3.169	37.640	0.92	-0.37
			3800	3.241	37.519	3.220	37.590	0.65	-0.19
			3900	3.301	37.475	3.233	37.470	2.10	0.01
10/26/2021	23.1	3700H~3970H	3970	3.312	37.305	3.394	37.390	-2.42	-0.23
			3700	3.146	37.414	3.118	37.700	0.90	-0.76
			3750	3.199	37.504	3.169	37.640	0.95	-0.36
			3800	3.242	37.523	3.220	37.590	0.68	-0.18
			3900	3.302	37.478	3.233	37.470	2.13	0.02
			3970	3.312	37.309	3.394	37.390	-2.40	-0.22

- Hybrid SPLSR/Volume

Table for Head Tissue Verification									
Date of Tests	Tissue Temp. (°C)	Tissue Type	Freq. (MHz)	Measured Conductivity σ (S/m)	Measured Dielectric Constant, ϵ	Target Conductivity σ (S/m)	Target Dielectric Constant, ϵ	% dev σ	% dev ϵ
11/18/2021	21.1	2450H	2400	1.778	38.085	1.756	39.290	1.25	-3.07
			2450	1.830	37.900	1.800	39.200	1.67	-3.32
			2500	1.883	37.722	1.855	39.140	1.51	-3.62
11/08/2021	21.5	5750H-5825H	5750	5.210	35.200	5.219	35.360	-0.17	-0.45
			5800	5.240	35.378	5.270	35.300	-0.57	0.22
			5825	5.069	35.116	5.296	35.270	-4.29	-0.44
11/01/2021	21.3	6500H	6000	5.669	34.248	5.480	35.100	3.45	-2.43
			6065	5.768	34.346	5.557	35.022	3.80	-1.93
			6305	5.966	33.928	5.840	34.734	2.16	-2.32
			6485	6.239	33.566	6.052	34.518	3.09	-2.76
			6500	6.244	33.492	6.070	34.500	2.87	-2.92
			6545	6.259	33.275	6.122	34.446	2.24	-3.40
			6785	6.590	33.442	6.400	34.158	2.97	-2.10
			7000	6.637	32.463	6.650	33.900	-0.20	-4.24
			7025	6.695	32.326	6.680	33.870	0.22	-4.56
			7500	7.362	31.836	7.240	33.300	1.69	-4.40

12.2 System Verification

Input Power: 50 mW

Freq. [MHz]	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp. [°C]	Liquid Temp. [°C]	1 W Target SAR _{1g} (SPEAG) [W/kg]	50mW Measured SAR _{1g} [W/kg]	1 W Normalized SAR _{1g} [W/kg]	Deviation [%]	Limit [%]
750	09/27/2021	7622	1014	Head	23.1	22.9	8.55	0.428	8.56	+ 0.12	± 10
750	09/20/2021	7622		Head	22.9	22.8	8.55	0.438	8.76	+ 2.46	± 10
750	09/20/2021	7622		Head	22.9	22.8	8.55	0.445	8.90	+ 4.09	± 10
835	09/22/2021	7622	4d165	Head	21.7	21.7	9.68	0.506	10.12	+ 4.55	± 10
835	10/28/2021	7370		Head	23.0	23.0	9.68	0.470	9.40	-2.89	± 10
835	09/22/2021	7622		Head	21.7	21.7	9.68	0.510	10.2	+ 5.37	± 10
1 800	09/24/2021	7622	2d015	Head	22.9	22.8	38.8	2.04	40.8	+ 5.15	± 10
1 800	09/23/2021	7622		Head	22.6	22.5	38.8	2.04	40.8	+ 5.15	± 10
1 800	10/19/2021	7370		Head	22.6	22.6	38.8	1.96	39.2	+1.03	± 10
1 900	09/24/2021	7622	5d032	Head	22.9	22.8	40.0	2.02	40.4	+ 1.00	± 10
1 900	09/21/2021	7622		Head	22.7	22.6	40.0	2.02	40.4	+ 1.00	± 10
1 900	10/27/2021	7370		Head	22.3	22.3	40.0	1.98	39.6	- 1.00	± 10
2 450	09/28/2021	7622	965	Head	23.4	23.4	53.3	2.78	55.6	+ 4.32	± 10
2 450	09/28/2021	7622		Head	23.4	23.4	53.3	2.76	55.2	+ 3.56	± 10
2 450	09/28/2021	7622		Head	23.4	23.4	53.3	2.77	55.4	+ 3.94	± 10
2 450	09/28/2021	7622		Head	23.4	23.4	53.3	2.64	52.8	- 0.94	± 10
2 450	09/29/2021	7622		Head	22.6	22.6	53.3	2.63	52.6	- 1.31	± 10
2 450	09/29/2021	7622		Head	22.6	22.6	53.3	2.63	52.6	- 1.31	± 10
2 450	10/20/2021	7622		Head	21.1	21.1	53.3	2.78	55.6	+ 4.32	± 10
2 450	10/20/2021	7622		Head	21.1	21.1	53.3	2.79	55.8	+ 4.69	± 10
2 600	10/12/2021	7622	1106	Head	22.5	22.4	56.3	2.90	58.0	+ 3.02	± 10
2 600	10/15/2021	7370		Head	21.4	21.4	56.3	2.92	58.4	+ 3.73	± 10
2 600	10/14/2021	7622		Head	21.8	21.8	56.3	2.88	57.6	+ 2.31	± 10
5 250	09/30/2021	7622	1107	Head	23.6	23.4	80.6	4.12	82.4	+ 2.23	± 10
5 600	10/02/2021	7622		Head	22.7	22.6	84.2	4.09	81.8	- 2.85	± 10
5 750	10/06/2021	7622		Head	20.7	20.7	80.9	4.19	83.8	+ 3.58	± 10
5 800	10/22/2021	7309	1277	Head	22.6	22.5	80.9	3.98	79.6	- 1.61	± 10
5 250	10/01/2021	7622	1107	Head	22.7	22.7	80.6	3.99	79.8	- 0.99	± 10
5 600	10/05/2021	7622		Head	22.9	22.8	84.2	4.20	84.0	- 0.24	± 10
5 750	10/07/2021	7622		Head	23.0	23.0	80.9	4.07	81.4	+ 0.62	± 10
5 800	10/13/2021	7309	1317	Head	24.6	24.6	78.5	3.94	78.8	+0.38	± 10

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Freq. [MHz]	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp. [°C]	Liquid Temp. [°C]	1 W Target SAR _{1g} (SPEAG) [W/kg]	50mW Measured SAR _{1g} [W/kg]	1 W Normalized SAR _{1g} [W/kg]	Deviation [%]	Limit [%]
750	11/01/2021	7622	1014	Head	20.4	20.4	8.55	0.428	8.56	+0.12	± 10
835	10/18/2021	7622	4d165	Head	22.0	21.9	9.68	0.506	10.12	+ 4.55	± 10
1 800	10/12/2021	7622	2d015	Head	22.5	22.4	38.8	1.80	36.0	- 7.22	± 10
1 900	10/18/2021	7622	5d032	Head	22.0	21.8	40.0	2.05	41.0	+ 2.50	± 10
2 600	11/10/2021	3076	1106	Head	20.7	20.7	56.3	2.88	57.6	+2.31	± 10
2 600	11/09/2021	3076	1106	Head	20.8	20.8	56.3	2.85	57.0	+1.24	± 10
3 500	10/08/2021	7622	1040	Head	23.7	23.5	66.3	3.05	61.0	- 7.99	± 10
3 500	10/29/2021	7622	1040	Head	22.4	22.3	66.3	3.06	61.2	- 7.69	± 10
3 700	11/02/2021	7622	1066	Head	20.8	20.6	66.4	3.35	67.0	+ 0.90	± 10
3 700	10/26/2021	7622	1066	Head	23.2	23.1	66.4	3.34	66.8	+ 0.60	± 10
3 900	11/02/2021	7622	1019	Head	20.8	20.6	70.4	3.69	73.8	+ 4.83	± 10
3 900	10/26/2021	7622	1019	Head	23.2	23.1	70.4	3.69	73.8	+ 4.83	± 10

Freq. [MHz]	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp. [°C]	Liquid Temp. [°C]	1 W Target SAR _{1g} (SPEAG) [W/kg]	50mW Measured SAR _{1g} [W/kg]	1 W Normalized SAR _{1g} [W/kg]	Deviation [%]	Limit [%]
750	11/23/2021	7370	1014	Head	22.1	22.1	8.55	0.427	8.54	- 0.12	± 10
750	11/17/2021	7370		Head	22.3	22.2	8.55	0.423	8.46	- 1.05	± 10
750	11/04/2021	7370		Head	21.7	21.7	8.55	0.408	8.16	- 4.56	± 10
750	11/01/2021	7370		Head	20.4	20.4	8.55	0.426	8.52	- 0.35	± 10
835	11/04/2021	7370	4d165	Head	21.7	21.7	9.68	0.515	10.3	+ 6.40	± 10
835	11/16/2021	7370		Head	21.7	21.7	9.68	0.517	10.34	+ 6.82	± 10
835	11/22/2021	7370		Head	21.4	21.4	9.68	0.520	10.4	+ 7.44	± 10
1 800	11/12/2021	7370	2d015	Head	20.2	20.2	38.8	1.98	39.6	+ 2.06	± 10
1 800	11/04/2021	7370		Head	21.7	21.5	38.8	1.93	38.6	- 0.52	± 10
1 800	11/22/2021	7370		Head	21.4	21.4	38.8	1.83	36.6	- 5.67	± 10
1 900	11/11/2021	7370	5d032	Head	20.4	20.4	40.0	1.84	36.8	- 8.00	± 10
1 900	11/02/2021	7370		Head	20.8	20.6	40.0	1.86	37.2	- 7.00	± 10
1 900	11/23/2021	7370		Head	22.1	22.1	40.0	1.87	37.4	- 6.50	± 10
2 600	11/05/2021	7370	1106	Head	21.6	21.5	56.3	2.75	55.0	- 2.31	± 10
2 600	11/19/2021	7370		Head	21.1	21.1	56.3	2.82	56.4	+ 0.18	± 10
3 500	11/03/2021	7370	1040	Head	21.0	21.0	66.3	3.24	64.8	- 2.26	± 10
3 700	11/05/2021	7370	1066	Head	21.6	21.5	66.4	3.41	68.2	+ 2.71	± 10
3 900	11/05/2021	7370	1019	Head	21.6	21.5	70.4	3.34	66.8	- 5.11	± 10

- Hybrid SPLSR/Volume

Freq. [MHz]	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp. [°C]	Liquid Temp. [°C]	1 W Target SAR _{1g} (SPEAG) [W/kg]	50mW Measured SAR _{1g} [W/kg]	1 W Normalized SAR _{1g} [W/kg]	Deviation [%]	Limit [%]
2 450	11/18/2021	3968	965	Head	21.2	21.1	53.3	2.72	54.4	+ 2.06	± 10
5 800	11/08/2021	7309	1107	Head	21.6	21.5	80.9	4.06	81.2	+ 0.37	± 10
Freq. [MHz]	Date	Probe (S/N)	Dipole (S/N)	Liquid	Amb. Temp. [°C]	Liquid Temp. [°C]	1 W Target SAR _{1g} (SPEAG) [W/kg]	10mW Measured SAR _{1g} [W/kg]	1 W Normalized SAR _{1g} [W/kg]	Deviation [%]	Limit [%]
6 500	11/01/2021	3968	1012	Head	21.3	21.3	291	2.83	283	- 2.08	± 10

12.3 System Verification Procedure

SAR measurement was prior to assessment; the system is verified to the $\pm 10\%$ of the specifications at each frequency band by using the system verification kit. (Graphic Plots Attached)

- Cabling the system, using the verification kit equipment.
- Generate about 50 mW Input level from the signal generator to the Dipole Antenna.
- Dipole antenna was placed below the flat phantom.
- The measured one-gram SAR at the surface of the phantom above the dipole feed-point should be within 10 % of the target reference value.
- The results are normalized to 1 W input power.

Note;

SAR Verification was performed according to the FCC KDB 865664 D01v01r04.

13. SAR Test Data Summary

13.1 SAR Measurement Results

UMTS Band 5 Body SAR – Main 1 Ant.														
Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	Duty Cycle	Distance	Ant. State	1g Meas. SAR	Scaling Factor	1g Scaled SAR	Plot No.
MHz	Ch.		(dB)	(dB)	(dB)				(mm)		(W/kg)		(W/kg)	
846.6	4233	RMC	17.0	16.42	-0.04	Rear	Active	1:1	0	108	0.671	1.143	0.767	-
846.6	4233	RMC	24.5	24.04	0.09	Left	N/A	1:1	0	108	0.074	1.112	0.082	-
846.6	4233	RMC	17.0	16.42	0.11	Top	Active	1:1	0	108	0.673	1.143	0.769	1
846.6	4233	RMC	17.0	16.42	-0.17	Right	Active	1:1	0	108	0.087	1.143	0.099	-
846.6	4233	RMC	17.0	16.42	0.12	Right Corner	Active	1:1	0	108	0.135	1.143	0.154	-
846.6	4233	RMC	24.5	24.04	-0.10	Rear	Inactive	1:1	21	108	0.397	1.112	0.441	-
846.6	4233	RMC	24.5	24.04	0.03	Top	Inactive	1:1	20	108	0.568	1.112	0.632	-
846.6	4233	RMC	24.5	24.04	-0.07	Right	Inactive	1:1	7	108	0.178	1.112	0.198	-
846.6	4233	RMC	24.5	24.04	0.06	Right Corner	Inactive	1:1	8	108	0.100	1.112	0.111	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						Body 1.6 W/kg Averaged over 1 gram								

UMTS Band 4 Body SAR – Main 1 Ant.														
Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	Duty Cycle	Distance	Ant. State	1g Meas. SAR	Scaling Factor	1g Scaled SAR	Plot No.
MHz	Ch.		(dB)	(dB)	(dB)				(mm)		(W/kg)		(W/kg)	
1 712.4	1312	RMC	14.0	13.74	0.05	Rear	Active	1:1	0	14	0.622	1.062	0.661	-
1 732.4	1412	RMC	24.5	23.32	0.15	Left	N/A	1:1	0	14	0.131	1.312	0.172	-
1 712.4	1312	RMC	14.0	13.74	0.10	Top	Active	1:1	0	14	0.743	1.062	0.789	2
1 712.4	1312	RMC	14.0	13.74	0.02	Right	Active	1:1	0	14	0.054	1.062	0.057	-
1 712.4	1312	RMC	14.0	13.74	0.09	Right Corner	Active	1:1	0	14	0.084	1.062	0.089	-
1 732.4	1412	RMC	24.5	23.32	-0.15	Rear	Inactive	1:1	21	14	0.266	1.312	0.349	-
1 732.4	1412	RMC	24.5	23.32	-0.10	Top	Inactive	1:1	20	14	0.588	1.312	0.771	-
1 732.4	1412	RMC	24.5	23.32	-0.02	Right	Inactive	1:1	7	14	0.182	1.312	0.239	-
1 732.4	1412	RMC	24.5	23.32	0.13	Right Corner	Inactive	1:1	8	14	0.242	1.312	0.318	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						Body 1.6 W/kg Averaged over 1 gram								



UMTS Band 2 Body SAR – Main 1 Ant.

Frequency		Mode	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	Duty Cycle	Distance (mm)	Ant. State	1g Meas. SAR	Scaling Factor	1g Scaled SAR	Plot No.
MHz	Ch.		(dB)	(dB)	(dB)						(W/kg)		(W/kg)	
1 852.4	9262	RMC	14.0	13.54	-0.19	Rear	Active	1:1	0	27	0.761	1.112	0.846	-
1 880.0	9400	RMC	14.0	13.93	-0.13	Rear	Active	1:1	0	27	0.796	1.016	0.809	-
1 907.6	9538	RMC	14.0	13.68	0.15	Rear	Active	1:1	0	27	0.799	1.076	0.860	3
1 880.0	9400	RMC	24.5	24.01	-0.04	Left	N/A	1:1	0	27	0.425	1.119	0.476	-
1 880.0	9400	RMC	14.0	13.93	0.10	Top	Active	1:1	0	27	0.670	1.016	0.681	-
1 880.0	9400	RMC	14.0	13.93	-0.07	Right	Active	1:1	0	27	0.074	1.016	0.075	-
1 880.0	9400	RMC	14.0	13.93	0.04	Right Corner	Active	1:1	0	27	0.135	1.016	0.137	-
1 880.0	9400	RMC	24.5	24.01	0.11	Rear	Inactive	1:1	21	27	0.418	1.119	0.468	-
1 880.0	9400	RMC	24.5	24.01	-0.14	Top	Inactive	1:1	20	27	0.694	1.119	0.777	-
1 880.0	9400	RMC	24.5	24.01	-0.14	Right	Inactive	1:1	7	27	0.141	1.119	0.158	-
1 880.0	9400	RMC	24.5	24.01	0.04	Right Corner	Inactive	1:1	8	27	0.343	1.119	0.384	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						Body 1.6 W/kg Averaged over 1 gram								

LTE Band 2 Body SAR – SUB 1 Ant.

Frequency		Mode	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Ant. State	1g Meas. SAR	Scaling Factor	1g Scaled SAR	Plot No.
Mhz	Ch.		(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)		(W/kg)		(W/kg)	
1 860	18700	QPSK	20	14.5	14.13	0.11	Rear	Active	0	1	99	1:1	0	10	0.939	1.089	1.023	-
1 880	18900	QPSK	20	14.5	14.11	0.17	Rear	Active	0	1	0	1:1	0	10	0.940	1.094	1.028	4
1 900	19100	QPSK	20	14.5	13.90	-0.12	Rear	Active	0	1	0	1:1	0	10	0.932	1.148	1.070	5
1 880	18900	QPSK	20	14.5	14.11	-0.10	Rear	Active	0	50	49	1:1	0	10	0.842	1.094	0.921	-
1 860	18700	QPSK	20	14.5	14.07	-0.13	Rear	Active	0	50	25	1:1	0	10	0.800	1.104	0.883	-
1 900	19100	QPSK	20	14.5	13.67	0.18	Rear	Active	0	50	0	1:1	0	10	0.729	1.211	0.883	-
1 860	18700	QPSK	20	14.5	14.04	0.04	Rear	Active	0	100	0	1:1	0	10	0.774	1.112	0.861	-
1 880	18900	QPSK	20	25.0	24.13	0.17	Left	N/A	0	1	99	1:1	0	10	0.438	1.222	0.535	-
1 880	18900	QPSK	20	24.0	23.08	-0.03	Left	N/A	1	50	0	1:1	0	10	0.339	1.236	0.419	-
1 860	18700	QPSK	20	14.5	14.13	0.05	Right	Active	0	1	99	1:1	0	10	0.044	1.089	0.048	-
1 880	18900	QPSK	20	14.5	14.11	-0.03	Right	Active	0	50	49	1:1	0	10	0.045	1.094	0.049	-
1 860	18700	QPSK	20	14.5	14.13	0.07	Bottom	Active	0	1	99	1:1	0	10	0.777	1.089	0.846	-
1 880	18900	QPSK	20	14.5	14.11	0.13	Bottom	Active	0	1	0	1:1	0	10	0.793	1.094	0.868	-
1 900	19100	QPSK	20	14.5	13.90	0.12	Bottom	Active	0	1	0	1:1	0	10	0.810	1.148	0.930	-
1 880	18900	QPSK	20	14.5	14.11	0.14	Bottom	Active	0	50	49	1:1	0	10	0.829	1.094	0.907	-
1 860	18700	QPSK	20	14.5	14.07	0.10	Bottom	Active	0	50	25	1:1	0	10	0.816	1.104	0.901	-
1 900	19100	QPSK	20	14.5	13.67	0.05	Bottom	Active	0	50	0	1:1	0	10	0.849	1.211	1.028	-
1 860	18700	QPSK	20	14.5	14.04	0.04	Bottom	Active	0	100	0	1:1	0	10	0.806	1.112	0.896	-
1 880	18900	QPSK	20	25.0	24.13	-0.08	Rear	Inactive	0	1	99	1:1	17	10	0.366	1.222	0.447	-
1 880	18900	QPSK	20	24.0	23.08	-0.02	Rear	Inactive	1	50	0	1:1	17	10	0.297	1.236	0.367	-
1 880	18900	QPSK	20	25.0	24.13	-0.06	Bottom	Inactive	0	1	99	1:1	23	10	0.209	1.222	0.255	-
1 880	18900	QPSK	20	24.0	23.08	-0.08	Bottom	Inactive	1	50	0	1:1	23	10	0.170	1.236	0.210	-
1 880	18900	QPSK	20	25.0	24.13	-0.19	Right	Inactive	0	1	99	1:1	7	10	0.075	1.222	0.092	-
-1 880	18900	QPSK	20	24.0	23.08	-0.08	Right	Inactive	1	50	0	1:1	7	10	0.055	1.236	0.068	-
1 880	18900	QPSK	20	14.5	14.11	-0.06	Rear	Active	0	1	0	1:1	0	10	0.796	1.094	0.871	*
ANSI/ IEEE C95.1 – 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram											

Note: * Data entry indicate Variability measurement.



LTE Band 7 Body SAR – Main 1 Ant.

Frequency		Mode	Band	Tune-	Meas.	Power	Test	Sensor	MPR	RB	RB	Duty	Dist	Ant.	1g Meas.	Scaling	1g Scaled	Plot
Mhz	Ch.		width	Up Limit	Power	Drift			(dB)	Size	offset	Cycle	nce		SAR		SAR	
			(MHz)	(dBm)	(dBm)	(dB)	Position						(mm)	State	(W/kg)	Factor	(W/kg)	No.
2 560	21350	QPSK	20	11.5	10.80	0.16	Rear	Active	0	1	49	1:1	0	N/A	0.718	1.175	0.844	-
2 510	20850	QPSK	20	11.5	10.55	0.08	Rear	Active	0	1	49	1:1	0	N/A	0.746	1.245	0.929	-
2 535	21100	QPSK	20	11.5	10.53	0.16	Rear	Active	0	1	99	1:1	0	N/A	0.694	1.250	0.868	-
2 560	21350	QPSK	20	11.5	10.61	0.10	Rear	Active	0	50	25	1:1	0	N/A	0.718	1.227	0.881	-
2 510	20850	QPSK	20	11.5	10.45	0.11	Rear	Active	0	50	0	1:1	0	N/A	0.763	1.274	0.972	6
2 535	21100	QPSK	20	11.5	10.42	0.14	Rear	Active	0	50	49	1:1	0	N/A	0.718	1.282	0.920	-
2 560	21350	QPSK	20	11.5	10.54	0.05	Rear	Active	0	100	0	1:1	0	N/A	0.722	1.247	0.900	-
2 560	21350	QPSK	20	22.5	22.02	0.16	Left	N/A	0	1	0	1:1	0	N/A	0.065	1.117	0.073	-
2 560	21350	QPSK	20	21.5	20.87	-0.07	Left	N/A	1	50	49	1:1	0	N/A	0.048	1.156	0.055	-
2 560	21350	QPSK	20	11.5	10.80	0.05	Top	Active	0	1	49	1:1	0	N/A	0.416	1.175	0.489	-
2 560	21350	QPSK	20	11.5	10.61	0.02	Top	Active	0	50	25	1:1	0	N/A	0.430	1.227	0.528	-
2 560	21350	QPSK	20	11.5	10.80	-0.18	Right	Active	0	1	49	1:1	0	N/A	0.061	1.175	0.072	-
2 560	21350	QPSK	20	11.5	10.61	-0.17	Right	Active	0	50	25	1:1	0	N/A	0.061	1.227	0.075	-
2 560	21350	QPSK	20	11.5	10.80	0.18	Right Corner	Active	0	1	49	1:1	0	N/A	0.125	1.175	0.147	-
2 560	21350	QPSK	20	11.5	10.61	0.10	Right Corner	Active	0	50	25	1:1	0	N/A	0.123	1.227	0.151	-
2 560	21350	QPSK	20	22.5	22.02	0.12	Rear	Inactive	0	1	0	1:1	21	N/A	0.170	1.117	0.190	-
2 560	21350	QPSK	20	21.5	20.87	0.11	Rear	Inactive	1	50	49	1:1	21	N/A	0.138	1.156	0.160	-
2 560	21350	QPSK	20	22.5	22.02	0.04	Top	Inactive	0	1	0	1:1	20	N/A	0.219	1.117	0.245	-
2 560	21350	QPSK	20	21.5	20.87	0.07	Top	Inactive	1	50	49	1:1	20	N/A	0.162	1.156	0.187	-
2 560	21350	QPSK	20	22.5	22.02	0.10	Right	Inactive	0	1	0	1:1	7	N/A	0.134	1.117	0.150	-
2 560	21350	QPSK	20	21.5	20.87	0.16	Right	Inactive	1	50	49	1:1	7	N/A	0.105	1.156	0.121	-
2 560	21350	QPSK	20	22.5	22.02	-0.15	Right Corner	Inactive	0	1	0	1:1	8	N/A	0.301	1.117	0.336	-
2 560	21350	QPSK	20	21.5	20.87	-0.10	Right Corner	Inactive	1	50	49	1:1	8	N/A	0.223	1.156	0.258	-
ANSI/ IEEE C95.1 – 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										



LTE Band 7 Body SAR – SUB 1 Ant.

Frequency		Mode	Band	Tune-	Meas.	Power	Test	Sensor	MPR	RB	RB	Duty	Distance	Ant.	1g Meas.	Scaling	1g Scaled	Plot
Mhz	Ch.		width	Up Limit	Power	Drift			(dB)	Size	offset	Cycle	(mm)		SAR	Factor	SAR	
			(Mhz)	(dBm)	(dBm)	(dB)	Position							State	(W/kg)		(W/kg)	No.
2 560	21350	QPSK	20	14.0	13.04	0.08	Rear	Active	0	1	99	1:1	0	N/A	0.826	1.247	1.030	7
2 510	20850	QPSK	20	14.0	12.79	0.09	Rear	Active	0	1	0	1:1	0	N/A	0.530	1.321	0.700	-
2 535	21100	QPSK	20	14.0	12.89	0.07	Rear	Active	0	1	0	1:1	0	N/A	0.604	1.291	0.780	-
2 560	21350	QPSK	20	14.0	13.11	0.16	Rear	Active	0	50	49	1:1	0	N/A	0.802	1.227	0.984	-
2 510	20850	QPSK	20	14.0	12.46	0.04	Rear	Active	0	50	25	1:1	0	N/A	0.578	1.426	0.824	-
2 535	21100	QPSK	20	14.0	12.96	0.13	Rear	Active	0	50	25	1:1	0	N/A	0.653	1.271	0.830	-
2 560	21350	QPSK	20	14.0	12.94	0.12	Rear	Active	0	100	0	1:1	0	N/A	0.763	1.276	0.974	-
2 560	21350	QPSK	20	22.5	21.86	0.12	Left	N/A	0	1	99	1:1	0	N/A	0.241	1.159	0.279	-
2 560	21350	QPSK	20	21.5	20.87	0.12	Left	N/A	1	50	49	1:1	0	N/A	0.175	1.156	0.202	-
2 560	21350	QPSK	20	14.0	13.04	-0.11	Bottom	Active	0	1	99	1:1	0	N/A	0.381	1.247	0.475	-
2 560	21350	QPSK	20	14.0	13.11	0.02	Bottom	Active	0	50	49	1:1	0	N/A	0.369	1.227	0.453	-
2 560	21350	QPSK	20	14.0	13.04	0.09	Right	Active	0	1	99	1:1	0	N/A	0.042	1.247	0.052	-
2 560	21350	QPSK	20	14.0	13.11	0.01	Right	Active	0	50	49	1:1	0	N/A	0.038	1.227	0.047	-
2 560	21350	QPSK	20	22.5	21.86	-0.10	Rear	Inactive	0	1	99	1:1	17	N/A	0.099	1.159	0.115	-
2 560	21350	QPSK	20	21.5	20.87	0.01	Rear	Inactive	1	50	49	1:1	17	N/A	0.074	1.156	0.086	-
2 560	21350	QPSK	20	22.5	21.86	-0.11	Bottom	Inactive	0	1	99	1:1	23	N/A	0.043	1.159	0.050	-
2 560	21350	QPSK	20	21.5	20.87	-0.06	Bottom	Inactive	1	50	49	1:1	23	N/A	0.036	1.156	0.042	-
2 560	21350	QPSK	20	22.5	21.86	0.11	Right	Inactive	0	0	1	99	7	N/A	0.025	1.159	0.029	-
2 560	21350	QPSK	20	21.5	20.87	0.10	Right	Inactive	1	1	50	49	7	N/A	0.017	1.156	0.020	-
2 560	21350	QPSK	20	14.0	13.04	-0.17	Rear	Active	0	1	99	1:1	0	N/A	0.735	1.247	0.917	*
ANSI/ IEEE C95.1 – 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

Note: * Data entry indicate Variability measurement.



LTE Band 12 Body SAR – Main 1 Ant.

Frequency		Mode	Band	Tune-	Meas.	Power	Test	Sensor	MP	RB	RB	Duty	Distance	Ant.	1g Meas.	Scaling	1g Scaled	Plot
Mhz	Ch.		width	Up Limit	Power	Drift												
			(MHz)	(dBm)	(dBm)	(dB)	Position		R	Size	offset	Cycle	(mm)	State	(W/kg)	Factor	(W/kg)	No.
707.5	23095	QPSK	10	15.0	14.27	-0.18	Rear	Active	0	1	24	1:1	0	72	0.268	1.183	0.317	-
707.5	23095	QPSK	10	15.0	14.30	-0.09	Rear	Active	0	25	24	1:1	0	72	0.268	1.175	0.315	-
707.5	23095	QPSK	10	25.0	24.75	0.02	Left	N/A	0	1	24	1:1	0	72	0.073	1.059	0.077	-
707.5	23095	QPSK	10	24.0	23.74	0.19	Left	N/A	1	25	24	1:1	0	72	0.068	1.062	0.072	-
707.5	23095	QPSK	10	15.0	14.27	0.09	Top	Active	0	1	24	1:1	0	72	0.460	1.183	0.544	-
707.5	23095	QPSK	10	15.0	14.30	0.05	Top	Active	0	25	24	1:1	0	72	0.468	1.175	0.550	8
707.5	23095	QPSK	10	15.0	14.27	-0.12	Right	Active	0	1	24	1:1	0	72	0.030	1.183	0.035	-
707.5	23095	QPSK	10	15.0	14.30	-0.11	Right	Active	0	25	24	1:1	0	72	0.030	1.175	0.035	-
707.5	23095	QPSK	10	15.0	14.27	-0.10	Right Corner	Active	0	1	24	1:1	0	72	0.041	1.183	0.049	-
707.5	23095	QPSK	10	15.0	14.30	-0.11	Right Corner	Active	0	25	24	1:1	0	72	0.044	1.175	0.052	-
707.5	23095	QPSK	10	25.0	24.75	-0.17	Rear	Inactive	0	1	24	1:1	21	72	0.269	1.059	0.285	-
707.5	23095	QPSK	10	24.0	23.74	-0.19	Rear	Inactive	1	25	24	1:1	21	72	0.216	1.062	0.229	-
707.5	23095	QPSK	10	25.0	24.75	0.04	Top	Inactive	0	1	24	1:1	20	72	0.372	1.059	0.394	-
707.5	23095	QPSK	10	24.0	23.74	0.02	Top	Inactive	1	25	24	1:1	20	72	0.295	1.062	0.313	-
707.5	23095	QPSK	10	25.0	24.75	-0.01	Right	Inactive	0	1	24	1:1	7	72	0.138	1.059	0.146	-
707.5	23095	QPSK	10	24.0	23.74	0.02	Right	Inactive	1	25	24	1:1	7	72	0.107	1.062	0.114	-
707.5	23095	QPSK	10	25.0	24.75	0.04	Right Corner	Inactive	0	1	24	1:1	8	72	0.070	1.059	0.074	-
707.5	23095	QPSK	10	24.0	23.74	-0.19	Right Corner	Inactive	1	25	24	1:1	8	72	0.056	1.062	0.059	-
ANSI/ IEEE C95.1 – 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										



LTE Band 13 Body SAR – Main 1 Ant.

Frequency		Mode	Band	Tune-	Meas.	Power	Test	Sensor	MPR	RB	RB	Duty	Distance	Ant.	1g	Scaling	1g Scaled	Plot
Mhz	Ch.		width	Up Limit	Power	Drift			(dB)	Size	offset	Cycle	(mm)	State	Meas.		SAR	
			(Mhz)	(dBm)	(dBm)	(dB)									(W/kg)		(W/kg)	
782	23230	QPSK	10	15.0	13.71	-0.13	Rear	Active	0	1	24	1:1	0	108	0.293	1.346	0.394	-
782	23230	QPSK	10	15.0	13.73	-0.02	Rear	Active	0	25	12	1:1	0	108	0.295	1.340	0.395	-
782	23230	QPSK	10	25.0	24.44	-0.03	Left	N/A	0	1	24	1:1	0	108	0.045	1.138	0.051	-
782	23230	QPSK	10	24.0	23.36	0.03	Left	N/A	1	25	12	1:1	0	108	0.039	1.159	0.045	-
782	23230	QPSK	10	15.0	13.71	0.19	Top	Active	0	1	24	1:1	0	108	0.450	1.346	0.606	-
782	23230	QPSK	10	15.0	13.73	-0.08	Top	Active	0	25	12	1:1	0	108	0.506	1.340	0.678	9
782	23230	QPSK	10	15.0	13.71	-0.14	Right	Active	0	1	24	1:1	0	108	0.028	1.346	0.038	-
782	23230	QPSK	10	15.0	13.73	-0.18	Right	Active	0	25	12	1:1	0	108	0.028	1.340	0.038	-
782	23230	QPSK	10	15.0	13.71	-0.18	Right Corner	Active	0	1	24	1:1	0	108	0.042	1.346	0.057	-
782	23230	QPSK	10	15.0	13.73	-0.10	Right Corner	Active	0	25	12	1:1	0	108	0.041	1.340	0.055	-
782	23230	QPSK	10	25.0	24.44	-0.04	Rear	Inactive	0	1	24	1:1	21	108	0.304	1.138	0.346	-
782	23230	QPSK	10	24.0	23.36	-0.02	Rear	Inactive	1	25	12	1:1	21	108	0.254	1.159	0.294	-
782	23230	QPSK	10	25.0	24.44	0.07	Top	Inactive	0	1	24	1:1	20	108	0.517	1.138	0.588	10
782	23230	QPSK	10	24.0	23.36	0.06	Top	Inactive	1	25	12	1:1	20	108	0.402	1.159	0.466	-
782	23230	QPSK	10	25.0	24.44	-0.08	Right	Inactive	0	1	24	1:1	7	108	0.106	1.138	0.121	-
782	23230	QPSK	10	24.0	23.36	0.01	Right	Inactive	1	25	12	1:1	7	108	0.090	1.159	0.104	-
782	23230	QPSK	10	25.0	24.44	-0.17	Right Corner	Inactive	0	1	24	1:1	8	108	0.073	1.138	0.083	-
782	23230	QPSK	10	24.0	23.36	-0.11	Right Corner	Inactive	1	25	12	1:1	8	108	0.067	1.159	0.078	-
ANSI/ IEEE C95.1 – 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										



LTE Band 25 Body SAR – Main 1 Ant.

Frequency		Mode	Band	Tune-	Meas.	Power	Test	Sensor	MP	RB	RB	Duty	Distance	Ant.	1g Meas.	Scaling	1g Scaled	Plot
Mhz	Ch.		width	Up Limit	Power	Drift			R	Size	offset	Cycle	(mm)		SAR		SAR	
			(MHz)	(dBm)	(dBm)	(dB)	Position		(dB)					State	(W/kg)	Factor	(W/kg)	No.
1 882.5	26365	QPSK	20	14.0	13.24	-0.15	Rear	Active	0	1	49	1:1	0	10	0.820	1.191	0.977	-
1 860.0	26140	QPSK	20	14.0	13.08	-0.09	Rear	Active	0	1	99	1:1	0	10	0.590	1.236	0.729	-
1 905.0	26590	QPSK	20	14.0	13.13	-0.11	Rear	Active	0	1	49	1:1	0	10	0.837	1.222	1.023	11
1 882.5	26365	QPSK	20	14.0	13.17	-0.18	Rear	Active	0	50	25	1:1	0	10	0.811	1.211	0.982	-
1 860.0	26140	QPSK	20	14.0	13.11	-0.09	Rear	Active	0	50	49	1:1	0	10	0.600	1.227	0.736	-
1 905.0	26590	QPSK	20	14.0	13.01	-0.18	Rear	Active	0	50	0	1:1	0	10	0.836	1.256	1.050	12
1 882.5	26365	QPSK	20	14.0	13.06	-0.18	Rear	Active	0	100	0	1:1	0	10	0.793	1.242	0.985	-
1 882.5	26365	QPSK	20	25.0	24.57	-0.18	Left	N/A	0	1	0	1:1	0	10	0.311	1.104	0.343	-
1 882.5	26365	QPSK	20	24.0	23.37	-0.13	Left	N/A	1	50	25	1:1	0	10	0.235	1.156	0.272	-
1 882.5	26365	QPSK	20	14.0	13.24	0.08	Top	Active	0	1	49	1:1	0	10	0.751	1.191	0.894	-
1 860.0	26140	QPSK	20	14.0	13.08	0.06	Top	Active	0	1	99	1:1	0	10	0.637	1.236	0.787	-
1 905.0	26590	QPSK	20	14.0	13.13	0.16	Top	Active	0	1	49	1:1	0	10	0.796	1.222	0.973	-
1 882.5	26365	QPSK	20	14.0	13.17	0.18	Top	Active	0	50	25	1:1	0	10	0.753	1.211	0.912	-
1 860.0	26140	QPSK	20	14.0	13.11	0.07	Top	Active	0	50	49	1:1	0	10	0.656	1.227	0.805	-
1 905.0	26590	QPSK	20	14.0	13.01	0.17	Top	Active	0	50	0	1:1	0	10	0.796	1.256	1.000	-
1 882.5	26365	QPSK	20	14.0	13.06	0.06	Top	Active	0	100	0	1:1	0	10	0.755	1.242	0.938	-
1 882.5	26365	QPSK	20	14.0	13.24	-0.18	Right	Active	0	1	49	1:1	0	10	0.070	1.191	0.083	-
1 882.5	26365	QPSK	20	14.0	13.17	-0.13	Right	Active	0	50	25	1:1	0	10	0.069	1.211	0.084	-
1 882.5	26365	QPSK	20	14.0	13.24	-0.19	Right Corner	Active	0	1	49	1:1	0	10	0.116	1.191	0.138	-
1 882.5	26365	QPSK	20	14.0	13.17	-0.11	Right Corner	Active	0	50	25	1:1	0	10	0.114	1.211	0.138	-
1 882.5	26365	QPSK	20	25.0	24.57	-0.03	Rear	Inactive	0	1	0	1:1	21	10	0.346	1.104	0.382	-
1 882.5	26365	QPSK	20	24.0	23.37	0.09	Rear	Inactive	1	50	25	1:1	21	10	0.278	1.156	0.321	-
1 882.5	26365	QPSK	20	25.0	24.57	0.10	Top	Inactive	0	1	0	1:1	20	10	0.553	1.104	0.611	-
1 882.5	26365	QPSK	20	24.0	23.37	-0.05	Top	Inactive	1	50	25	1:1	20	10	0.441	1.156	0.510	-
1 882.5	26365	QPSK	20	25.0	24.57	-0.00	Right	Inactive	0	1	0	1:1	7	10	0.158	1.104	0.174	-
1 882.5	26365	QPSK	20	24.0	23.37	-0.01	Right	Inactive	1	50	25	1:1	7	10	0.131	1.156	0.151	-
1 882.5	26365	QPSK	20	25.0	24.57	-0.06	Right Corner	Inactive	0	1	0	1:1	8	10	0.276	1.104	0.305	-
1 882.5	26365	QPSK	20	24.0	23.37	-0.08	Right Corner	Inactive	1	50	25	1:1	8	10	0.224	1.156	0.259	-
1 905.0	26590	QPSK	20	14.0	13.13	0.05	Rear	Active	0	1	49	1:1	0	10	0.805	1.222	0.984	*
ANSI/ IEEE C95.1 – 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

Note: * Data entry indicate Variability measurement.

LTE Band 26 Body SAR– Main 1 Ant.																		
Frequency		Mode	BW	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
MHz	Ch.																	
831.5	26865	QPSK	15	15.0	13.65	-0.11	Rear	Active	0	1	74	1:1	0	109	0.343	1.365	0.468	-
831.5	26865	QPSK	15	15.0	13.52	-0.03	Rear	Active	0	36	39	1:1	0	109	0.348	1.406	0.489	-
831.5	26865	QPSK	15	25.0	24.00	0.01	Left	N/A	0	1	74	1:1	0	109	0.044	1.259	0.055	-
831.5	26865	QPSK	15	24.0	22.88	0.10	Left	N/A	1	36	18	1:1	0	109	0.032	1.294	0.041	-
831.5	26865	QPSK	15	15.0	13.65	0.15	Top	Active	0	1	74	1:1	0	109	0.400	1.365	0.546	-
831.5	26865	QPSK	15	15.0	13.52	0.11	Top	Active	0	36	39	1:1	0	109	0.403	1.406	0.567	-
831.5	26865	QPSK	15	15.0	13.65	-0.03	Right	Active	0	1	74	1:1	0	109	0.046	1.365	0.063	-
831.5	26865	QPSK	15	15.0	13.52	-0.06	Right	Active	0	36	39	1:1	0	109	0.048	1.406	0.067	-
831.5	26865	QPSK	15	15.0	13.65	-0.10	Right Corner	Active	0	1	74	1:1	0	109	0.068	1.365	0.093	-
831.5	26865	QPSK	15	15.0	13.52	-0.13	Right Corner	Active	0	36	39	1:1	0	109	0.069	1.406	0.097	-
831.5	26865	QPSK	15	25.0	24.00	-0.06	Rear	Inactive	0	1	74	1:1	21	109	0.364	1.259	0.458	-
831.5	26865	QPSK	15	24.0	22.88	0.19	Rear	Inactive	1	36	18	1:1	21	109	0.286	1.294	0.370	-
831.5	26865	QPSK	15	25.0	24.00	0.00	Top	Inactive	0	1	74	1:1	20	109	0.471	1.259	0.593	13
831.5	26865	QPSK	15	24.0	22.88	0.02	Top	Inactive	1	36	18	1:1	20	109	0.351	1.294	0.454	-
831.5	26865	QPSK	15	25.0	24.00	0.05	Right	Inactive	0	1	74	1:1	7	109	0.106	1.259	0.133	-
831.5	26865	QPSK	15	24.0	22.88	0.12	Right	Inactive	1	36	18	1:1	7	109	0.095	1.294	0.123	-
831.5	26865	QPSK	15	25.0	24.00	-0.09	Right Corner	Inactive	0	1	74	1:1	8	109	0.087	1.259	0.110	-
831.5	26865	QPSK	15	24.0	22.88	0.17	Right Corner	Inactive	1	36	18	1:1	8	109	0.066	1.294	0.085	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE Band 5 Body SAR– Main 1 Ant.																			
Frequency		Mode	BW	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.	
MHz	Ch.																		
836.5	20525	QPSK	10	17.0	15.79	-0.04	Rear	Active	0	1	49	1:1	0	109	0.593	1.321	0.783	-	
836.5	20525	QPSK	10	17.0	15.83	-0.15	Rear	Active	0	25	24	1:1	0	109	0.511	1.309	0.669	-	
836.5	20525	QPSK	10	17.0	15.79	0.15	Top	Active	0	1	49	1:1	0	109	0.773	1.321	1.021	-	
836.5	20525	QPSK	10	17.0	15.83	0.04	Top	Active	0	25	24	1:1	0	109	0.799	1.309	1.046	-	
836.5	20525	QPSK	10	17.0	15.79	0.13	Right	Active	0	1	49	1:1	0	109	0.053	1.321	0.070	-	
836.5	20525	QPSK	10	17.0	15.83	0.03	Right	Active	0	25	24	1:1	0	109	0.050	1.309	0.065	-	
836.5	20525	QPSK	10	17.0	15.79	0.14	Right Corner	Active	0	1	49	1:1	0	109	0.112	1.321	0.148	-	
836.5	20525	QPSK	10	17.0	15.83	-0.09	Right Corner	Active	0	25	24	1:1	0	109	0.111	1.309	0.145	-	
Up-link Carrier Aggregation (5B)																			
836.5	20525	QPSK	PCC	10	17.0	15.87	0.15	Top	Active	0	25	24	1:1	0	109	0.836	1.297	1.084	14
843.7	20597	QPSK	SCC	10					Active	0	25	0	1:1	0	109				
836.5	20525	QPSK	PCC	10	17.0	15.87	-0.09	Top	Active	0	25	24	1:1	0	109	0.827	1.297	1.073	*
843.7	20597	QPSK	SCC	10					Active	0	25	0	1:1	0	109				
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Body 1.6 W/kg Averaged over 1 gram									
Note: * Data entry indicate Variability measurement.																			

LTE TDD Band 41 Body SAR– Main 1 Ant.

Frequency		Mode	BW	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.	
MHz	Ch.																		
Power Class 3																			
2 593.0	40620	QPSK	20	14.0	13.19	0.09	Rear	Active	0	1	49	1:1.58	0	N/A	0.623	1.205	0.751	-	
2 506.0	39750	QPSK	20	14.0	12.91	0.10	Rear	Active	0	1	49	1:1.58	0	N/A	0.607	1.285	0.780	-	
2 549.5	40185	QPSK	20	14.0	12.93	0.16	Rear	Active	0	1	49	1:1.58	0	N/A	0.597	1.279	0.764	-	
2 636.5	41055	QPSK	20	14.0	13.10	0.07	Rear	Active	0	1	49	1:1.58	0	N/A	0.542	1.230	0.667	-	
2 680.0	41490	QPSK	20	14.0	13.07	0.14	Rear	Active	0	1	49	1:1.58	0	N/A	0.580	1.239	0.719	-	
2 593.0	40620	QPSK	20	14.0	13.17	0.11	Rear	Active	0	50	25	1:1.58	0	N/A	0.634	1.211	0.768	-	
2 506.0	39750	QPSK	20	14.0	12.96	0.11	Rear	Active	0	50	25	1:1.58	0	N/A	0.605	1.271	0.769	-	
2 549.5	40185	QPSK	20	14.0	12.91	0.03	Rear	Active	0	50	49	1:1.58	0	N/A	0.594	1.285	0.763	-	
2 636.5	41055	QPSK	20	14.0	13.10	0.05	Rear	Active	0	50	25	1:1.58	0	N/A	0.536	1.230	0.659	-	
2 680.0	41490	QPSK	20	14.0	13.14	0.16	Rear	Active	0	50	25	1:1.58	0	N/A	0.583	1.219	0.711	-	
2 593.0	40620	QPSK	20	14.0	13.06	0.11	Rear	Active	0	100	0	1:1.58	0	N/A	0.573	1.242	0.712	-	
2 593.0	40620	QPSK	20	25.0	24.29	0.09	Left	N/A	0	1	49	1:1.58	0	N/A	0.034	1.178	0.040	-	
2 593.0	40620	QPSK	20	24.0	23.28	0.13	Left	N/A	1	50	25	1:1.58	0	N/A	0.022	1.180	0.026	-	
2 593.0	40620	QPSK	20	14.0	13.19	0.14	Top	Active	0	1	49	1:1.58	0	N/A	0.404	1.205	0.487	-	
2 593.0	40620	QPSK	20	14.0	13.17	0.15	Top	Active	0	50	25	1:1.58	0	N/A	0.415	1.211	0.503	-	
2 593.0	40620	QPSK	20	14.0	13.19	-0.15	Right	Active	0	1	49	1:1.58	0	N/A	0.040	1.205	0.048	-	
2 593.0	40620	QPSK	20	14.0	13.17	-0.17	Right	Active	0	50	25	1:1.58	0	N/A	0.041	1.211	0.050	-	
2 593.0	40620	QPSK	20	14.0	13.19	-0.02	Right Corner	Active	0	1	49	1:1.58	0	N/A	0.114	1.205	0.137	-	
2 593.0	40620	QPSK	20	14.0	13.17	-0.10	Right Corner	Active	0	50	25	1:1.58	0	N/A	0.115	1.211	0.139	-	
2 593.0	40620	QPSK	20	25.0	24.29	0.12	Rear	Inactive	0	1	49	1:1.58	21	N/A	0.131	1.178	0.154	-	
2 593.0	40620	QPSK	20	24.0	23.28	0.03	Rear	Inactive	1	50	25	1:1.58	21	N/A	0.102	1.180	0.120	-	
2 593.0	40620	QPSK	20	25.0	24.29	0.10	Top	Inactive	0	1	49	1:1.58	20	N/A	0.192	1.178	0.226	-	
2 593.0	40620	QPSK	20	24.0	23.28	0.13	Top	Inactive	1	50	25	1:1.58	20	N/A	0.151	1.180	0.178	-	
2 593.0	40620	QPSK	20	25.0	24.29	0.14	Right	Inactive	0	1	49	1:1.58	7	N/A	0.120	1.178	0.141	-	
2 593.0	40620	QPSK	20	24.0	23.28	0.09	Right	Inactive	1	50	25	1:1.58	7	N/A	0.104	1.180	0.123	-	
2 593.0	40620	QPSK	20	25.0	24.29	-0.13	Right Corner	Inactive	0	1	49	1:1.58	8	N/A	0.230	1.178	0.271	-	
2 593.0	40620	QPSK	20	24.0	23.28	-0.07	Right Corner	Inactive	1	50	25	1:1.58	8	N/A	0.184	1.180	0.217	-	
2 593.0	40620	QPSK	20	25.0	23.93	0.01	Right Corner	Inactive	0	1	99	1:1.58	8	N/A	0.266	1.279	0.340	-	
2 506.0	39750	QPSK	20	14.0	12.84	0.02	Rear	Active	0	1	99	1:1.58	0	N/A	0.590	1.306	0.771		
Power Class 2 (HPUE)																			
2 593.0	40620	QPSK	20	27.5	26.31	-0.03	Right Corner	Inactive	0	1	49	1:2.31	8	N/A	0.258	1.315	0.339	**	
2 593.0	40620	QPSK	20	27.5	26.39	-0.12	Right Corner	Inactive	0	1	99	1:2.31	8	N/A	0.228	1.291	0.294	**	
Up-link Carrier Aggregation Power Class 3 (41C)																			
2 593.0	40620	QPSK	PCC	20	25.0	24.12	0.02	Right Corner	Inactive	0	1	99	1:1.58	0	N/A	0.309	1.225	0.379	-
2 612.8	40818		SCC								1	0							
2 593.0	40620	QPSK	PCC	20	14.0	13.21	0.12	Rear	Active	0	1	99	1:1.58	0	N/A	0.709	1.199	0.850	15
2 525.8	39948		SCC								0	1							
Up-link Carrier Aggregation Power Class 2 (HPUE) (41C)																			
2 593.0	40620	QPSK	PCC	20	27.5	26.55	0.10	Right Corner	Inactive	0	1	99	1:2.31	0	N/A	0.230	1.245	0.286	-
2 612.8	40818		SCC								0	1							
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Body 1.6 W/kg Averaged over 1 gram									

Note: ** Data entry indicate LTE 41 Power Class 2(HPUE)
When Power reduction is applied to LTE B41 PC 2(HPUE), The power level of LTE B41 PC2 became same as the reduction power of LTE B41 PC3

LTE Band 66 Body SAR – Main 1 Ant.

LTE Band 66 Body SAR – Main 1 Ant.																			
Frequency		Mode	BW	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.	
MHz	Ch.																		
1 720	132072	QPSK	20	14.0	12.84	-0.15	Rear	Active	0	1	99	1:1	0	14	0.587	1.306	0.767	-	
1 720	132072	QPSK	20	14.0	12.88	-0.03	Rear	Active	0	50	25	1:1	0	14	0.617	1.294	0.798	-	
1 770	132572	QPSK	20	25.0	24.16	-0.15	Left	N/A	0	1	99	1:1	0	14	0.313	1.213	0.380	-	
1 720	132072	QPSK	20	24.0	23.08	-0.10	Left	N/A	1	50	49	1:1	0	14	0.138	1.236	0.171	-	
1 720	132072	QPSK	20	14.0	12.84	0.14	Top	Active	0	1	99	1:1	0	14	0.651	1.306	0.850	-	
1 745	132322	QPSK	20	14.0	12.36	0.12	Top	Active	0	1	99	1:1	0	14	0.747	1.459	1.090	16	
1 770	132572	QPSK	20	14.0	12.53	0.10	Top	Active	0	1	99	1:1	0	14	0.737	1.403	1.034	-	
1 720	132072	QPSK	20	14.0	12.88	0.17	Top	Active	0	50	25	1:1	0	14	0.667	1.294	0.863	-	
1 745	132322	QPSK	20	14.0	12.47	0.07	Top	Active	0	50	25	1:1	0	14	0.760	1.422	1.081	-	
1 770	132572	QPSK	20	14.0	12.54	0.12	Top	Active	0	50	25	1:1	0	14	0.765	1.400	1.071	-	
1 720	132572	QPSK	20	14.0	12.76	0.12	Top	Active	0	100	0	1:1	0	14	0.671	1.330	0.892	-	
1 720	132072	QPSK	20	14.0	12.84	-0.08	Right	Active	0	1	99	1:1	0	14	0.027	1.306	0.035	-	
1 720	132072	QPSK	20	14.0	12.88	-0.02	Right	Active	0	50	25	1:1	0	14	0.030	1.294	0.039	-	
1 720	132072	QPSK	20	14.0	12.84	-0.09	Right Corner	Active	0	1	99	1:1	0	14	0.061	1.306	0.080	-	
1 720	132072	QPSK	20	14.0	12.88	-0.07	Right Corner	Active	0	50	25	1:1	0	14	0.066	1.294	0.085	-	
1 770	132572	QPSK	20	25.0	24.16	0.05	Rear	Inactive	0	1	99	1:1	21	14	0.345	1.213	0.418	-	
1 720	132072	QPSK	20	24.0	23.08	-0.03	Rear	Inactive	1	50	49	1:1	21	14	0.262	1.236	0.324	-	
1 770	132572	QPSK	20	25.0	24.16	0.13	Top	Inactive	0	1	99	1:1	20	14	0.575	1.213	0.697	-	
1 720	132072	QPSK	20	24.0	23.08	0.15	Top	Inactive	1	50	49	1:1	20	14	0.525	1.236	0.649	-	
1 770	132572	QPSK	20	25.0	24.16	-0.03	Right	Inactive	0	1	99	1:1	7	14	0.153	1.213	0.186	-	
1 720	132072	QPSK	20	24.0	23.08	0.03	Right	Inactive	1	50	49	1:1	7	14	0.091	1.236	0.112	-	
1 770	132572	QPSK	20	25.0	24.16	-0.05	Right Corner	Inactive	0	1	99	1:1	8	14	0.199	1.213	0.241	-	
1 720	132072	QPSK	20	24.0	23.08	-0.06	Right Corner	Inactive	1	50	49	1:1	8	14	0.164	1.236	0.203	-	
1 745	132322	QPSK	10	14.0	12.33	0.11	Top	Active	0	1	49	1:1	0	14	0.741	1.469	1.089	-	
Up-link Carrier Aggregation (LTE 66B)																			
1 745.0	132322	QPSK	PCC	10	14.0	12.81	0.16	Top	Active	0	1	49	1:1	0	14	0.819	1.315	1.077	17
1 754.9	132421	QPSK	SCC	10					Active	0	1	0	1:1						
1 745.0	132322	QPSK	PCC	10	14.0	12.81	0.18	Top	Active	0	1	49	1:1	0	14	0.811	1.315	1.066	*
1 754.9	132421	QPSK	SCC	10					Active	0	1	0	1:1						
Up-link Carrier Aggregation (LTE 66C)																			
1 745.0	132322	QPSK	PCC	20	14.0	12.83	0.15	Top	Active	0	1	99	1:1	0	14	0.792	1.309	1.037	-
1 764.8	132520	QPSK	SCC	20					Active	0	1	0	1:1						
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population										Body 1.6 W/kg Averaged over 1 gram									

Note: * Data entry indicate Variability measurement.

LTE Band 66 Body SAR – SUB 1 Ant.

Frequency		Mode	BW	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)	Plot No.
MHz	Ch.																	
1 720	132072	QPSK	20	14.5	14.03	0.18	Rear	Active	0	1	0	1:1	0	14	0.577	1.114	0.643	-
1 720	132072	QPSK	20	14.5	14.11	0.04	Rear	Active	0	50	0	1:1	0	14	0.622	1.094	0.680	18
1 770	132572	QPSK	20	25.0	24.12	0.09	Left	N/A	0	1	0	1:1	0	14	0.314	1.225	0.385	-
1 720	132072	QPSK	20	24.0	23.29	0.12	Left	N/A	1	50	25	1:1	0	14	0.151	1.178	0.178	-
1 720	132072	QPSK	20	14.5	14.03	0.07	Bottom	Active	0	1	0	1:1	0	14	0.377	1.114	0.420	-
1 720	132072	QPSK	20	14.5	14.11	0.04	Bottom	Active	0	50	0	1:1	0	14	0.406	1.094	0.444	-
1 720	132072	QPSK	20	14.5	14.03	0.00	Right	Active	0	1	0	1:1	0	14	0.00183	1.114	0.002	-
1 720	132072	QPSK	20	14.5	14.11	0.00	Right	Active	0	50	0	1:1	0	14	0.00243	1.094	0.003	-
1 770	132572	QPSK	20	25.0	24.12	-0.16	Rear	Inactive	0	1	0	1:1	17	14	0.294	1.225	0.360	-
1 720	132072	QPSK	20	24.0	23.29	0.01	Rear	Inactive	1	50	25	1:1	17	14	0.323	1.178	0.380	-
1 770	132572	QPSK	20	25.0	24.12	0.06	Bottom	Inactive	0	1	0	1:1	23	14	0.215	1.225	0.263	-
1 720	132072	QPSK	20	24.0	23.29	-0.08	Bottom	Inactive	1	50	25	1:1	23	14	0.138	1.178	0.163	-
1 770	132572	QPSK	20	25.0	24.12	-0.14	Right	Inactive	0	1	0	1:1	7	14	0.094	1.225	0.115	-
1 720	132072	QPSK	20	24.0	23.29	-0.10	Right	Inactive	1	50	25	1:1	7	14	0.073	1.178	0.086	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE Band 71 Body SAR – Main 1 Ant.

Frequency		Mode	Band width (MHz)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB offset	Duty Cycle	Distance (mm)	Ant. State	1g Meas. SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
680.5	133297	QPSK	20	15.0	13.77	0.12	Rear	Active	0	1	99	1:1	0	54	0.437	1.327	0.580	-
680.5	133297	QPSK	20	15.0	13.78	0.03	Rear	Active	0	50	49	1:1	0	54	0.458	1.324	0.606	-
680.5	133297	QPSK	20	25.0	24.57	0.14	Left	N/A	0	1	99	1:1	0	54	0.058	1.104	0.064	-
680.5	133297	QPSK	20	24.0	23.18	0.04	Left	N/A	1	50	25	1:1	0	54	0.038	1.208	0.046	-
680.5	133297	QPSK	20	15.0	13.77	0.14	Top	Active	0	1	99	1:1	0	54	0.551	1.327	0.731	19
680.5	133297	QPSK	20	15.0	13.78	0.10	Top	Active	0	50	49	1:1	0	54	0.508	1.324	0.673	-
680.5	133297	QPSK	20	15.0	13.77	-0.19	Right	Active	0	1	99	1:1	0	54	0.018	1.327	0.024	-
680.5	133297	QPSK	20	15.0	13.78	-0.01	Right	Active	0	50	49	1:1	0	54	0.018	1.324	0.024	-
680.5	133297	QPSK	20	15.0	13.77	0.11	Right Corner	Active	0	1	99	1:1	0	54	0.090	1.327	0.119	-
680.5	133297	QPSK	20	15.0	13.78	-0.09	Right Corner	Active	0	50	49	1:1	0	54	0.057	1.324	0.075	-
680.5	133297	QPSK	20	25.0	24.57	-0.07	Rear	Inactive	0	1	99	1:1	21	54	0.227	1.104	0.251	-
680.5	133297	QPSK	20	24.0	23.18	-0.04	Rear	Inactive	1	50	25	1:1	21	54	0.160	1.208	0.193	-
680.5	133297	QPSK	20	25.0	24.57	-0.11	Top	Inactive	0	1	99	1:1	20	54	0.291	1.104	0.321	-
680.5	133297	QPSK	20	24.0	23.18	-0.04	Top	Inactive	1	50	25	1:1	20	54	0.202	1.208	0.244	-
680.5	133297	QPSK	20	25.0	24.57	0.03	Right	Inactive	0	1	99	1:1	7	54	0.088	1.104	0.097	-
680.5	133297	QPSK	20	24.0	23.18	0.03	Right	Inactive	1	50	25	1:1	7	54	0.071	1.208	0.086	-
680.5	133297	QPSK	20	25.0	24.57	-0.14	Right Corner	Inactive	0	1	99	1:1	8	54	0.047	1.104	0.052	-
680.5	133297	QPSK	20	24.0	23.18	-0.11	Right Corner	Inactive	1	50	25	1:1	8	54	0.033	1.208	0.040	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

NR Band n5 Body SAR – Main 1 Ant.																		
Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.17	0.17	Rear	Active	0	1	104	1:1	0	109	0.494	1.211	0.598	-
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.30	0.12	Rear	Active	0	50	56	1:1	0	109	0.537	1.175	0.631	20
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.23	0.05	Left	N/A	0	1	104	1:1	0	109	0.071	1.194	0.085	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.22	-0.07	Left	N/A	0	50	28	1:1	0	109	0.060	1.197	0.072	-
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.17	0.12	Top	Active	0	1	104	1:1	0	109	0.480	1.211	0.581	-
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.30	0.02	Top	Active	0	50	56	1:1	0	109	0.500	1.175	0.588	-
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.17	-0.09	Right	Active	0	1	104	1:1	0	109	0.086	1.211	0.104	-
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.30	-0.01	Right	Active	0	50	56	1:1	0	109	0.080	1.175	0.094	-
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.17	-0.11	Right Corner	Active	0	1	104	1:1	0	109	0.119	1.211	0.144	-
836.5	167300	DFT-s OFDM QPSK	20	17.0	16.30	-0.11	Right Corner	Active	0	50	56	1:1	0	109	0.110	1.175	0.129	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.23	-0.10	Rear	Inactive	0	1	104	1:1	21	109	0.416	1.194	0.497	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.22	-0.15	Rear	Inactive	0	50	28	1:1	21	109	0.337	1.197	0.403	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.23	0.01	Top	Inactive	0	1	104	1:1	20	109	0.488	1.194	0.583	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.22	0.03	Top	Inactive	0	50	28	1:1	20	109	0.447	1.197	0.535	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.23	0.01	Right	Inactive	0	1	104	1:1	7	109	0.220	1.194	0.263	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.22	0.02	Right	Inactive	0	50	28	1:1	7	109	0.211	1.197	0.253	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.23	-0.10	Right Corner	Inactive	0	1	104	1:1	8	109	0.100	1.194	0.119	-
836.5	167300	DFT-s OFDM QPSK	20	25.0	24.22	-0.08	Right Corner	Inactive	0	50	28	1:1	8	109	0.099	1.197	0.119	-
836.5	167300	CP QPSK	20	17.0	15.94	0.05	Rear	Active	0	1	1	1:1	0	109	0.471	1.276	0.601	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									



NR Band n25 Body SAR – Main 1 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	13.93	0.17	Rear	Active	0	1	108	1:1	0	10	0.847	1.140	0.966	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	14.07	0.11	Rear	Active	0	108	54	1:1	0	10	0.920	1.104	1.016	21
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.33	0.14	Left	N/A	0	1	1	1:1	0	10	0.062	1.469	0.091	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.46	0.12	Left	N/A	0	108	54	1:1	0	10	0.064	1.426	0.091	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	13.93	0.08	Top	Active	0	1	108	1:1	0	10	0.507	1.140	0.578	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	14.07	0.08	Top	Active	0	108	54	1:1	0	10	0.630	1.104	0.696	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	13.93	-0.01	Right	Active	0	1	108	1:1	0	10	0.100	1.140	0.114	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	14.07	-0.15	Right	Active	0	108	54	1:1	0	10	0.094	1.104	0.104	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	13.93	-0.07	Right Corner	Active	0	1	108	1:1	0	10	0.123	1.140	0.140	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	14.07	-0.14	Right Corner	Active	0	108	54	1:1	0	10	0.122	1.104	0.135	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.33	0.02	Rear	Inactive	0	1	1	1:1	21	10	0.313	1.469	0.460	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.46	-0.03	Rear	Inactive	0	108	54	1:1	21	10	0.316	1.426	0.451	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.33	-0.07	Top	Inactive	0	1	1	1:1	20	10	0.505	1.469	0.742	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.46	-0.00	Top	Inactive	0	108	54	1:1	20	10	0.446	1.426	0.636	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.33	0.01	Right	Inactive	0	1	1	1:1	7	10	0.171	1.469	0.251	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.46	-0.07	Right	Inactive	0	108	54	1:1	7	10	0.151	1.426	0.215	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.33	-0.07	Right Corner	Inactive	0	1	1	1:1	8	10	0.322	1.469	0.473	-
1 882.5	376500	DFT-s OFDM QPSK	40	25.0	23.46	-0.01	Right Corner	Inactive	0	108	54	1:1	8	10	0.310	1.426	0.442	-
1 882.5	376500	CP QPSK	40	14.5	13.90	-0.18	Rear	Active	0	1	1	1:1	0	10	0.863	1.148	0.991	-
1 882.5	376500	DFT-s OFDM QPSK	40	14.5	14.07	-0.06	Rear	Active	0	108	54	1:1	0	10	0.891	1.104	0.984	*
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

Note: * Data entry indicate Variability measurement.

NR Band n41 Body SAR (Power Class 3) – Main 1 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.74	0.10	Rear	Active	0	1	1	1:1	0	N/A	0.364	1.337	0.487	-
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.76	0.07	Rear	Active	0	135	0	1:1	0	N/A	0.388	1.330	0.516	22
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	0.14	Left	N/A	0	1	1	1:1	0	N/A	0.077	1.172	0.090	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	0.03	Left	N/A	0	136	69	1:1	0	N/A	0.039	1.172	0.046	-
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.74	0.09	Top	Active	0	1	1	1:1	0	N/A	0.241	1.337	0.322	-
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.76	0.13	Top	Active	0	135	0	1:1	0	N/A	0.245	1.330	0.326	-
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.74	0.12	Right	Active	0	1	1	1:1	0	N/A	0.018	1.337	0.024	-
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.76	0.08	Right	Active	0	135	0	1:1	0	N/A	0.019	1.330	0.025	-
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.74	0.01	Right Corner	Active	0	1	1	1:1	0	N/A	0.068	1.337	0.091	-
2592.99	518598	DFT-s OFDM QPSK	100	15.0	13.76	-0.06	Right Corner	Active	0	135	0	1:1	0	N/A	0.053	1.330	0.070	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	0.04	Rear	Inactive	0	1	1	1:1	21	N/A	0.073	1.172	0.086	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	0.15	Rear	Inactive	0	136	69	1:1	21	N/A	0.085	1.172	0.100	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	-0.03	Top	Inactive	0	1	1	1:1	20	N/A	0.096	1.172	0.113	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	-0.03	Top	Inactive	0	136	69	1:1	20	N/A	0.082	1.172	0.096	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	-0.03	Right	Inactive	0	1	1	1:1	7	N/A	0.095	1.172	0.111	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	-0.01	Right	Inactive	0	136	69	1:1	7	N/A	0.060	1.172	0.070	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	-0.03	Right Corner	Inactive	0	1	1	1:1	8	N/A	0.143	1.172	0.168	-
2592.99	518598	DFT-s OFDM QPSK	100	25.0	24.31	0.01	Right Corner	Inactive	0	136	69	1:1	8	N/A	0.117	1.172	0.137	-
2592.99	518598	CP QPSK	100	15.0	13.73	0.15	Rear	Active	0	1	1	1:1	0	N/A	0.329	1.340	0.441	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

NR Band n41 Body SAR (Power Class 2) – Main 1 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.49	0.02	Left	N/A	0	1	271	1:1	0	N/A	0.087	1.262	0.110	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.54	0.12	Left	N/A	0	136	69	1:1	0	N/A	0.077	1.247	0.096	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.49	0.12	Rear	Inactive	0	1	271	1:1	21	N/A	0.171	1.262	0.216	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.54	0.13	Rear	Inactive	0	136	69	1:1	21	N/A	0.143	1.247	0.178	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.49	-0.03	Top	Inactive	0	1	271	1:1	20	N/A	0.124	1.262	0.156	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.54	0.09	Top	Inactive	0	136	69	1:1	20	N/A	0.183	1.247	0.228	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.49	0.05	Right	Inactive	0	1	271	1:1	7	N/A	0.078	1.262	0.098	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.54	-0.01	Right	Inactive	0	136	69	1:1	7	N/A	0.132	1.247	0.165	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.49	0.12	Right Corner	Inactive	0	1	271	1:1	8	N/A	0.092	1.262	0.116	-
2592.99	518598	DFT-s OFDM QPSK	100	27.5	26.54	-0.03	Right Corner	Inactive	0	136	69	1:1	8	N/A	0.190	1.247	0.237	23
2592.99	518598	CP QPSK	100	26.0	24.16	-0.02	Right Corner	Inactive	0	1	1	1:1	8	N/A	0.128	1.528	0.196	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

The n41(PC2) mode becomes the same target power as the n41(PC3) when the grip sensor is activated.

NR Band n66 Body SAR – Main 1 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.40	0.13	Rear	Active	0	1	1	1:1	0	14	0.822	1.288	1.059	24
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.50	-0.06	Rear	Active	0	108	0	1:1	0	14	0.825	1.259	1.039	25
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.53	0.01	Left	N/A	0	1	1	1:1	0	14	0.186	1.114	0.207	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.49	-0.09	Left	N/A	0	108	54	1:1	0	14	0.162	1.125	0.182	-
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.40	-0.01	Top	Active	0	1	1	1:1	0	14	0.549	1.288	0.707	-
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.50	0.10	Top	Active	0	108	0	1:1	0	14	0.556	1.259	0.700	-
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.40	-0.13	Right	Active	0	1	1	1:1	0	14	0.064	1.288	0.082	-
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.50	-0.16	Right	Active	0	108	0	1:1	0	14	0.061	1.259	0.077	-
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.40	-0.17	Right Corner	Active	0	1	1	1:1	0	14	0.079	1.288	0.102	-
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.50	-0.14	Right Corner	Active	0	108	0	1:1	0	14	0.083	1.259	0.104	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.53	0.12	Rear	Inactive	0	1	1	1:1	21	14	0.377	1.114	0.420	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.49	0.01	Rear	Inactive	0	108	54	1:1	21	14	0.296	1.125	0.333	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.53	-0.02	Top	Inactive	0	1	1	1:1	20	14	0.598	1.114	0.666	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.49	-0.03	Top	Inactive	0	108	54	1:1	20	14	0.538	1.125	0.605	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.53	-0.02	Right	Inactive	0	1	1	1:1	7	14	0.184	1.114	0.205	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.49	-0.13	Right	Inactive	0	108	54	1:1	7	14	0.197	1.125	0.222	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.53	-0.09	Right Corner	Inactive	0	1	1	1:1	8	14	0.272	1.114	0.303	-
1 745	349000	DFT-s OFDM QPSK	40	25.0	24.49	-0.01	Right Corner	Inactive	0	108	54	1:1	8	14	0.278	1.125	0.313	-
1 745	349000	CP QPSK	40	14.5	13.53	0.13	Rear	Active	0	1	1	1:1	0	14	0.727	1.250	0.909	-
1 745	349000	DFT-s OFDM QPSK	40	14.5	13.50	-0.07	Rear	Active	0	108	0	1:1	0	14	0.774	1.259	0.974	*
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

Note: * Data entry indicate Variability measurement.

NR Band n71 Body SAR – Main 1 Ant.																		
Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.15	-0.18	Rear	Active	0	1	53	1:1	0	54	0.403	1.216	0.490	-
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.22	-0.05	Rear	Active	0	50	28	1:1	0	54	0.433	1.197	0.518	26
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	-0.14	Left	N/A	0	1	53	1:1	0	54	0.061	1.324	0.081	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	-0.15	Left	N/A	0	50	28	1:1	0	54	0.045	1.324	0.060	-
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.15	0.05	Top	Active	0	1	53	1:1	0	54	0.341	1.216	0.415	-
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.22	0.08	Top	Active	0	50	28	1:1	0	54	0.367	1.197	0.439	-
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.15	-0.14	Right	Active	0	1	53	1:1	0	54	0.017	1.216	0.021	-
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.22	-0.09	Right	Active	0	50	28	1:1	0	54	0.015	1.197	0.018	-
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.15	-0.11	Right Corner	Active	0	1	53	1:1	0	54	0.024	1.216	0.029	-
680.5	136100	DFT-s OFDM QPSK	20	15.0	14.22	-0.05	Right Corner	Active	0	50	28	1:1	0	54	0.021	1.197	0.025	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	0.00	Rear	Inactive	0	1	53	1:1	21	54	0.235	1.324	0.311	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	-0.11	Rear	Inactive	0	50	28	1:1	21	54	0.209	1.324	0.277	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	0.16	Top	Inactive	0	1	53	1:1	20	54	0.328	1.324	0.434	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	0.04	Top	Inactive	0	50	28	1:1	20	54	0.281	1.324	0.372	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	0.04	Right	Inactive	0	1	53	1:1	7	54	0.075	1.324	0.099	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	-0.13	Right	Inactive	0	50	28	1:1	7	54	0.069	1.324	0.091	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	0.11	Right Corner	Inactive	0	1	53	1:1	8	54	0.039	1.324	0.052	-
680.5	136100	DFT-s OFDM QPSK	20	25.0	23.78	-0.03	Right Corner	Inactive	0	50	28	1:1	8	54	0.033	1.324	0.044	-
680.5	136100	CP QPSK	20	15.0	13.94	0.11	Top	Active	0	1	1	1:1	0	54	0.407	1.276	0.519	27
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

NR Band n77 Body SAR (Power Class 3) – Main 3 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
Mhz	Ch.																	
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.04	0.19	Rear	Active	0	1	271	1:1	0	N/A	0.449	1.247	0.560	-
3 750	650000	DFT-s OFDM QPSK	100	15.0	13.54	-0.16	Rear	Active	0	1	137	1:1	0	N/A	0.513	1.400	0.718	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.03	-0.18	Rear	Active	0	1	1	1:1	0	N/A	0.458	1.250	0.573	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.12	0.08	Rear	Active	0	135	138	1:1	0	N/A	0.421	1.225	0.516	-
3 750	650000	DFT-s OFDM QPSK	100	15.0	13.59	-0.08	Rear	Active	0	135	69	1:1	0	N/A	0.492	1.384	0.681	-
3 930	662000	DFT-s OFDM QPSK	100	15.0	14.11	-0.12	Rear	Active	0	135	0	1:1	0	N/A	0.442	1.227	0.542	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	13.98	-0.19	Rear	Active	0	270	0	1:1	0	N/A	0.445	1.265	0.563	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.68	0.01	Left	N/A	0	1	137	1:1	0	N/A	0.144	1.208	0.174	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.81	0.11	Left	N/A	0	135	69	1:1	0	N/A	0.138	1.172	0.162	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.04	0.00	Right	Active	0	1	271	1:1	0	N/A	0.000558	1.247	0.001	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.12	-0.13	Right	Active	0	135	138	1:1	0	N/A	0.00298	1.225	0.004	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.04	0.17	Right Corner	Active	0	1	271	1:1	0	N/A	0.00263	1.247	0.003	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.12	0.13	Right Corner	Active	0	135	138	1:1	0	N/A	0.00536	1.225	0.007	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.04	0.11	Top	Active	0	1	271	1:1	0	N/A	0.278	1.247	0.347	-
3 840	656000	DFT-s OFDM QPSK	100	15.0	14.12	0.11	Top	Active	0	135	138	1:1	0	N/A	0.286	1.225	0.350	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.68	-0.04	Rear	Inactive	0	1	137	1:1	9.5	N/A	0.480	1.208	0.580	-
3 750	650000	DFT-s OFDM QPSK	100	25.5	23.78	0.05	Rear	Inactive	0	1	1	1:1	9.5	N/A	0.511	1.486	0.759	-
3 930	662000	DFT-s OFDM QPSK	100	25.5	24.27	0.01	Rear	Inactive	0	1	1	1:1	9.5	N/A	0.414	1.327	0.549	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.81	0.08	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.413	1.172	0.484	-
3 750	650000	DFT-s OFDM QPSK	100	25.5	23.86	0.15	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.525	1.459	0.766	28
3 930	662000	DFT-s OFDM QPSK	100	25.5	24.26	-0.18	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.353	1.330	0.469	-
3 840	656000	DFT-s OFDM QPSK	100	24.5	23.61	0.07	Rear	Inactive	1	270	0	1:1	9.5	N/A	0.344	1.227	0.422	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.68	-0.16	Right	Inactive	0	1	137	1:1	7	N/A	0.047	1.208	0.057	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.81	0.07	Right	Inactive	0	135	69	1:1	7	N/A	0.047	1.172	0.055	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.68	-0.14	Right Corner	Inactive	0	1	137	1:1	8	N/A	0.075	1.208	0.091	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.81	0.04	Right Corner	Inactive	0	135	69	1:1	8	N/A	0.073	1.172	0.086	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.68	0.08	Top	Inactive	0	1	137	1:1	12	N/A	0.364	1.208	0.440	-
3 750	650000	DFT-s OFDM QPSK	100	25.5	23.78	-0.05	Top	Inactive	0	1	1	1:1	12	N/A	0.426	1.486	0.633	-
3 930	662000	DFT-s OFDM QPSK	100	25.5	24.27	0.07	Top	Inactive	0	1	1	1:1	12	N/A	0.330	1.327	0.438	-
3 840	656000	DFT-s OFDM QPSK	100	25.5	24.81	0.08	Top	Inactive	0	135	69	1:1	12	N/A	0.360	1.172	0.422	-
3 750	650000	DFT-s OFDM QPSK	100	25.5	23.86	-0.02	Top	Inactive	0	135	69	1:1	12	N/A	0.476	1.459	0.694	-
3 930	662000	DFT-s OFDM QPSK	100	25.5	24.26	0.17	Top	Inactive	0	135	69	1:1	12	N/A	0.246	1.330	0.327	-
3 840	656000	DFT-s OFDM QPSK	100	24.5	23.61	-0.02	Top	Inactive	0	270	0	1:1	12	N/A	0.288	1.227	0.353	-
3 840	656000	CP QPSK	100	24.0	23.02	-0.11	Rear	Inactive	1.5	1	1	1:1	9.5	N/A	0.328	1.253	0.411	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

NR Band n77 Body SAR (Power Class 3 DoD) – Main 3 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
3500.01	633334	DFT-s OFDM QPSK	100	15.0	13.92	0.14	Rear	Active	0	1	271	1:1	0	N/A	0.430	1.282	0.551	-
3500.01	633334	DFT-s OFDM QPSK	100	15.0	14.04	0.13	Rear	Active	0	135	0	1:1	0	N/A	0.495	1.247	0.617	29
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.26	-0.10	Left	N/A	0	1	1	1:1	0	N/A	0.312	1.330	0.415	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.29	-0.14	Left	N/A	0	135	69	1:1	0	N/A	0.273	1.321	0.361	-
3500.01	633334	DFT-s OFDM QPSK	100	15.0	13.92	0.16	Right	Active	0	1	271	1:1	0	N/A	0.0038	1.282	0.005	-
3500.01	633334	DFT-s OFDM QPSK	100	15.0	14.04	-0.15	Right	Active	0	135	0	1:1	0	N/A	0.0047	1.247	0.006	-
3500.01	633334	DFT-s OFDM QPSK	100	15.0	13.92	0.15	Right Corner	Active	0	1	271	1:1	0	N/A	0.012	1.282	0.015	-
3500.01	633334	DFT-s OFDM QPSK	100	15.0	14.04	0.12	Right Corner	Active	0	135	0	1:1	0	N/A	0.013	1.247	0.016	-
3500.01	633334	DFT-s OFDM QPSK	100	15.0	13.92	0.11	Top	Active	0	1	271	1:1	0	N/A	0.283	1.282	0.363	-
3500.01	633334	DFT-s OFDM QPSK	100	15.0	14.04	0.11	Top	Active	0	135	0	1:1	0	N/A	0.295	1.247	0.368	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.26	-0.03	Rear	Inactive	0	1	1	1:1	9.5	N/A	0.488	1.330	0.649	30
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.29	-0.03	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.411	1.321	0.543	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.26	-0.10	Right	Inactive	0	1	1	1:1	7	N/A	0.053	1.330	0.074	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.29	0.03	Right	Inactive	0	135	69	1:1	7	N/A	0.053	1.321	0.070	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.26	-0.07	Right Corner	Inactive	0	1	1	1:1	8	N/A	0.096	1.330	0.128	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.29	-0.09	Right Corner	Inactive	0	135	69	1:1	8	N/A	0.091	1.321	0.120	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.26	0.01	Top	Inactive	0	1	1	1:1	12	N/A	0.472	1.330	0.628	-
3500.01	633334	DFT-s OFDM QPSK	100	25.5	24.29	-0.05	Top	Inactive	0	135	69	1:1	12	N/A	0.364	1.321	0.481	-
3500.01	633334	CP QPSK	100	24.0	22.82	0.13	Rear	Inactive	1.5	1	1	1:1	9.5	N/A	0.279	1.312	0.366	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

NR Band n77 Body SAR (Power Class 2) – Main 3 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.08	0.13	Left	N/A	0	1	137	1:1	0	N/A	0.188	1.102	0.207	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.09	0.16	Left	N/A	0	135	69	1:1	0	N/A	0.160	1.099	0.176	-
3 750	650000	DFT-s OFDM QPSK	100	27.5	26.12	0.10	Rear	Inactive	0	1	271	1:1	9.5	N/A	0.779	1.374	1.070	31
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.08	-0.10	Rear	Inactive	0	1	137	1:1	9.5	N/A	0.848	1.102	0.934	32
3 930	662000	DFT-s OFDM QPSK	100	27.5	26.64	0.17	Rear	Inactive	0	1	1	1:1	9.5	N/A	0.756	1.219	0.922	-
3 750	650000	DFT-s OFDM QPSK	100	27.5	26.20	0.00	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.720	1.349	0.971	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.09	0.19	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.827	1.099	0.909	-
3 930	662000	DFT-s OFDM QPSK	100	27.5	26.50	0.11	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.536	1.259	0.675	-
3 840	656000	DFT-s OFDM QPSK	100	26.5	25.96	-0.14	Rear	Inactive	1	270	0	1:1	9.5	N/A	0.500	1.132	0.566	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.08	-0.12	Right	Inactive	0	1	137	1:1	7	N/A	0.081	1.102	0.089	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.09	-0.17	Right	Inactive	0	135	69	1:1	7	N/A	0.078	1.099	0.086	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.08	0.03	Right Corner	Inactive	0	1	137	1:1	8	N/A	0.124	1.102	0.137	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.09	-0.15	Right Corner	Inactive	0	135	69	1:1	8	N/A	0.123	1.099	0.135	-
3 750	650000	DFT-s OFDM QPSK	100	27.5	26.12	-0.12	Top	Inactive	0	1	271	1:1	12	N/A	0.721	1.374	0.991	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.08	0.12	Top	Inactive	0	1	137	1:1	12	N/A	0.693	1.102	0.764	-
3 930	662000	DFT-s OFDM QPSK	100	27.5	26.64	0.08	Top	Inactive	0	1	1	1:1	12	N/A	0.533	1.219	0.650	-
3 750	650000	DFT-s OFDM QPSK	100	27.5	26.20	0.06	Top	Inactive	0	135	69	1:1	12	N/A	0.757	1.349	1.021	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.09	0.02	Top	Inactive	0	135	69	1:1	12	N/A	0.679	1.099	0.746	-
3 930	662000	DFT-s OFDM QPSK	100	27.5	26.50	0.01	Top	Inactive	0	135	69	1:1	12	N/A	0.404	1.259	0.509	-
3 840	656000	DFT-s OFDM QPSK	100	26.5	25.96	-0.00	Top	Inactive	1	270	0	1:1	12	N/A	0.468	1.132	0.530	-
3 840	656000	CP QPSK	100	26.0	25.32	0.01	Rear	Inactive	1.5	1	1	1:1	9.5	N/A	0.552	1.169	0.645	-
3 840	656000	DFT-s OFDM QPSK	100	27.5	27.08	-0.12	Rear	Inactive	0	1	137	1:1	9.5	N/A	0.766	1.102	0.844	*
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

Note: * Data entry indicate Variability measurement.

The n77(PC2) mode becomes the same target power as the n77(PC3) when the grip sensor is activated.

NR Band n77 Body SAR (Power Class 2 DoD) – Main 3 Ant.

Frequency		Mode	Band Width	Tune-Up Limit (dB)	Meas. Power (dB)	Power Drift (dB)	Test Position	Sensor	MPR (dB)	RB Size	RB Offset	Duty Cycle	Distance (mm)	Ant. State	Meas. SAR (W/kg)	Scaling Factor	Scaled SAR (W/kg)	Plot No.
MHz	Ch.																	
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.44	-0.09	Left	N/A	0	1	1	1:1	0	N/A	0.452	1.276	0.577	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.48	-0.06	Left	N/A	0	135	69	1:1	0	N/A	0.612	1.265	0.774	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.44	-0.06	Rear	Inactive	0	1	1	1:1	9.5	N/A	0.782	1.276	0.998	33
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.48	-0.04	Rear	Inactive	0	135	69	1:1	9.5	N/A	0.659	1.265	0.834	-
3500.01	633334	DFT-s OFDM QPSK	100	26.5	25.52	0.07	Rear	Inactive	1	270	0	1:1	9.5	N/A	0.418	1.253	0.524	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.44	0.01	Right	Inactive	0	1	1	1:1	7	N/A	0.088	1.276	0.112	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.48	-0.14	Right	Inactive	0	135	69	1:1	7	N/A	0.087	1.265	0.110	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.44	-0.04	Right Corner	Inactive	0	1	1	1:1	8	N/A	0.156	1.276	0.199	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.48	-0.09	Right Corner	Inactive	0	135	69	1:1	8	N/A	0.147	1.265	0.187	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.44	0.12	Top	Inactive	0	1	1	1:1	12	N/A	0.746	1.276	0.952	-
3500.01	633334	DFT-s OFDM QPSK	100	27.5	26.48	-0.02	Top	Inactive	0	135	69	1:1	12	N/A	0.499	1.265	0.631	-
3500.01	633334	DFT-s OFDM QPSK	100	26.5	25.52	0.13	Top	Inactive	1	270	0	1:1	12	N/A	0.434	1.253	0.544	-
3500.01	633334	CP QPSK	100	26.0	25.08	-0.03	Rear	Inactive	1.5	1	1	1:1	9.5	N/A	0.417	1.236	0.515	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										



Wi-Fi (DTS) Body

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.																
2 462	11	802.11b	20	1	19.0	17.37	-0.11	Rear	Ant2	98.8	17	0.154	0.092	1.455	1.012	0.135	-
2 462	11	802.11b	20	1	19.0	17.37	0.11	Left	Ant2	98.8	7	0.358	0.215	1.455	1.012	0.317	-
2 462	11	802.11b	20	1	19.0	17.37	0.00	Top	Ant2	98.8	20	0.036	0.022	1.455	1.012	0.032	-
2 462	11	802.11b	20	1	19.0	17.37	0.08	Left Corner	Ant2	98.8	8	0.148	0.088	1.455	1.012	0.130	-
2 412	1	802.11b	20	1	22.0	20.67	-0.07	Rear	MIMO	98.8	17	0.155	0.094	1.483	1.012	0.141	-
2 412	1	802.11b	20	1	22.0	20.67	0.01	Left	MIMO	98.8	7	0.351	0.198	1.483	1.012	0.297	-
2 412	1	802.11b	20	1	22.0	20.67	0.00	Right	MIMO	98.8	7	0.634	0.364	1.483	1.012	0.546	34
2 412	1	802.11b	20	1	22.0	20.67	0.07	Top	MIMO	98.8	20	0.112	0.064	1.483	1.012	0.096	-
2 412	1	802.11b	20	1	22.0	20.67	0.06	Left Corner	MIMO	98.8	8	0.166	0.108	1.483	1.012	0.162	-
2 412	1	802.11b	20	1	22.0	20.67	0.02	Right Corner	MIMO	98.8	8	0.334	0.210	1.483	1.012	0.315	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population											Body 1.6 W/kg Averaged over 1 gram						

Wi-Fi (DTS) Body SAR – Grip Active

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.																
2 437	6	802.11b	20	1	13.0	12.48	0.00	Rear	Ant2	98.8	0	1.56	0.517	1.127	1.012	0.590	-
2 412	1	802.11b	20	1	13.0	12.42	0.05	Left	Ant2	98.8	0	2.00	0.612	1.143	1.012	0.708	-
2 437	6	802.11b	20	1	13.0	12.48	0.10	Left	Ant2	98.8	0	1.52	0.769	1.127	1.012	0.877	-
2 437	6	802.11b	20	1	13.0	12.48	0.00	Top	Ant2	98.8	0	0.223	0.106	1.127	1.012	0.121	-
2 437	6	802.11b	20	1	13.0	12.48	-0.19	Left Corner	Ant2	98.8	0	0.153	0.129	1.127	1.012	0.147	-
2 412	1	802.11b	20	1	16.0	15.47	-0.10	Rear	MIMO	98.8	0	3.02	0.859	1.143	1.012	0.994	35
2 437	6	802.11b	20	1	16.0	15.68	0.10	Rear	MIMO	98.8	0	2.2	0.800	1.127	1.012	0.912	-
2 462	11	802.11b	20	1	16.0	15.51	-0.11	Rear	MIMO	98.8	0	2.82	0.594	1.164	1.012	0.700	-
2 437	6	802.11b	20	1	16.0	15.68	0.16	Left	MIMO	98.8	0	1.26	0.480	1.127	1.012	0.547	-
2 437	6	802.11b	20	1	16.0	15.68	0.06	Right	MIMO	98.8	0	1.08	0.495	1.127	1.012	0.565	-
2 437	6	802.11b	20	1	16.0	15.68	0.11	Top	MIMO	98.8	0	0.543	0.382	1.127	1.012	0.436	-
2 437	6	802.11b	20	1	16.0	15.68	-0.15	Left Corner	MIMO	98.8	0	0.263	0.108	1.127	1.012	0.123	-
2 437	6	802.11b	20	1	16.0	15.68	0.16	Right Corner	MIMO	98.8	0	0.55	0.395	1.127	1.012	0.451	-
2 437	6	802.11b	20	1	16.0	15.68	0.11	Rear	MIMO	98.8	0	1.83	0.780	1.127	1.012	0.890	*
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population											Body 1.6 W/kg Averaged over 1 gram						

Note: * Data entry indicate Variability measurement.

Wi-Fi (DTS) Body SAR Simultaneous conditions with 5GHz/6GHz WLAN Simultaneous conditions with 5G NR (mmWave, Sub6)																	
Frequency		Mode	Bandwidth (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.																
2 437	6	802.11b	20	1	11.0	9.93	0.00	Rear	Ant2	98.8	0	0.593	0.236	1.089	1.012	0.260	-
2 437	6	802.11b	20	1	11.0	9.93	-0.06	Left	Ant2	98.8	0	0.78	0.381	1.089	1.012	0.420	-
2 437	6	802.11b	20	1	11.0	9.93	-0.11	Right	Ant2	98.8	0	0.002	0.01	1.089	1.012	0.011	-
2 437	6	802.11b	20	1	11.0	9.93	0.00	Top	Ant2	98.8	0	0.213	0.061	1.089	1.012	0.067	-
2 437	6	802.11b	20	1	11.0	9.93	0.01	Bottom	Ant2	98.8	0	0.00109	0.0000202	1.089	1.012	0.00002	-
2 437	6	802.11b	20	1	11.0	9.93	0.17	Left Corner	Ant2	98.8	0	0.216	0.065	1.089	1.012	0.072	-
2 437	6	802.11b	20	1	14.0	13.09	0.00	Rear	MIMO	98.8	0	1.35	0.404	1.089	1.012	0.445	36
2 437	6	802.11b	20	1	14.0	13.09	-0.17	Left	MIMO	98.8	0	0.73	0.402	1.089	1.012	0.443	-
2 437	6	802.11b	20	1	14.0	13.09	0.15	Right	MIMO	98.8	0	0.506	0.371	1.089	1.012	0.409	-
2 437	6	802.11b	20	1	14.0	13.09	0.00	Top	MIMO	98.8	0	0.558	0.202	1.089	1.012	0.223	-
2 437	6	802.11b	20	1	14.0	13.09	0.01	Bottom	MIMO	98.8	0	0.00855	0.00426	1.089	1.012	0.005	-
2 437	6	802.11b	20	1	14.0	13.09	0.07	Left Corner	MIMO	98.8	0	0.158	0.059	1.089	1.012	0.065	-
2 437	6	802.11b	20	1	14.0	13.09	0.09	Right Corner	MIMO	98.8	0	0.415	0.174	1.089	1.012	0.192	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					



Wi-Fi (NII) Body SAR																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.																
5 320	64	802.11a	20	6	21	19.89	0.08	Rear	MIMO	93.5	17	0.0746	0.023	1.462	1.070	0.036	-
5 320	64	802.11a	20	6	21	19.89	-0.13	Left	MIMO	93.5	7	0.515	0.142	1.462	1.070	0.222	-
5 320	64	802.11a	20	6	21	19.89	-0.18	Right	MIMO	93.5	7	0.980	0.351	1.462	1.070	0.549	-
5 320	64	802.11a	20	6	21	19.89	0.15	Top	MIMO	93.5	20	0.0846	0.012	1.462	1.070	0.019	-
5 320	64	802.11a	20	6	21	19.89	-0.16	Left Corner	MIMO	93.5	8	0.239	0.081	1.462	1.070	0.127	-
5 320	64	802.11a	20	6	21	19.89	0.12	Right Corner	MIMO	93.5	8	0.642	0.224	1.462	1.070	0.350	-
5 620	124	802.11a	20	6	21	19.75	-0.05	Rear	MIMO	93.5	17	0.188	0.036	1.368	1.070	0.053	-
5 620	124	802.11a	20	6	21	19.75	-0.09	Left	MIMO	93.5	7	1.030	0.232	1.368	1.070	0.340	-
5 620	124	802.11a	20	6	21	19.75	-0.10	Right	MIMO	93.5	7	0.885	0.279	1.368	1.070	0.408	-
5 620	124	802.11a	20	6	21	19.75	0.09	Top	MIMO	93.5	20	0.231	0.078	1.368	1.070	0.114	-
5 620	124	802.11a	20	6	21	19.75	0.10	Left Corner	MIMO	93.5	8	0.605	0.222	1.368	1.070	0.325	-
5 620	124	802.11a	20	6	21	19.75	0.01	Right Corner	MIMO	93.5	8	1.080	0.356	1.368	1.070	0.521	-
5 785	157	802.11a	20	6	21	19.61	0.06	Rear	MIMO	93.5	17	0.297	0.042	1.466	1.070	0.066	-
5 785	157	802.11a	20	6	21	19.61	-0.10	Left	MIMO	93.5	7	0.880	0.205	1.466	1.070	0.322	-
5 785	157	802.11a	20	6	21	19.61	-0.18	Right	MIMO	93.5	7	0.944	0.336	1.466	1.070	0.527	-
5 785	157	802.11a	20	6	21	19.61	0.01	Top	MIMO	93.5	20	0.238	0.085	1.466	1.070	0.133	-
5 785	157	802.11a	20	6	21	19.61	-0.04	Left Corner	MIMO	93.5	8	0.318	0.106	1.466	1.070	0.166	-
5 785	157	802.11a	20	6	21	19.61	0.16	Right Corner	MIMO	93.5	8	0.992	0.324	1.466	1.070	0.508	-
5 885	177	802.11a	20	6	21	19.99	0.09	Rear	MIMO	93.5	17	0.186	0.037	1.419	1.070	0.056	-
5 885	177	802.11a	20	6	21	19.99	-0.03	Left	MIMO	93.5	7	0.557	0.170	1.419	1.070	0.258	-
5 885	177	802.11a	20	6	21	19.99	0.03	Right	MIMO	93.5	7	1.37	0.490	1.419	1.070	0.744	37
5 885	177	802.11a	20	6	21	19.99	0.05	Top	MIMO	93.5	20	0.268	0.091	1.419	1.070	0.138	-
5 885	177	802.11a	20	6	21	19.99	-0.01	Left Corner	MIMO	93.5	8	0.376	0.111	1.419	1.070	0.169	-
5 885	177	802.11a	20	6	21	19.99	-0.03	Right Corner	MIMO	93.5	8	1.18	0.430	1.419	1.070	0.653	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					

Wi-Fi (NII) Body SAR – Grip Active

Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.																
5 290	58	802.11ac	80	MCS0	12	10.85	0.00	Rear	MIMO	86.1	0	2.270	0.331	1.321	1.161	0.508	-
5 290	58	802.11ac	80	MCS0	12	10.85	0.09	Left	MIMO	86.1	0	0.177	0.035	1.321	1.161	0.054	-
5 290	58	802.11ac	80	MCS0	12	10.85	0.11	Right	MIMO	86.1	0	1.050	0.194	1.321	1.161	0.298	-
5 290	58	802.11ac	80	MCS0	12	10.85	0.00	Top	MIMO	86.1	0	0.321	0.023	1.321	1.161	0.035	-
5 290	58	802.11ac	80	MCS0	12	10.85	0.00	Left Corner	MIMO	86.1	0	0.134	0.011	1.321	1.161	0.017	-
5 290	58	802.11ac	80	MCS0	12	10.85	0.11	Right Corner	MIMO	86.1	0	0.489	0.078	1.321	1.161	0.120	-
5 690	138	802.11ac	80	MCS0	12	11.59	0.00	Rear	MIMO	86.1	0	1.960	0.263	1.167	1.161	0.356	-
5 690	138	802.11ac	80	MCS0	12	11.59	0.11	Left	MIMO	86.1	0	0.304	0.059	1.167	1.161	0.080	-
5 690	138	802.11ac	80	MCS0	12	11.59	-0.10	Right	MIMO	86.1	0	0.521	0.077	1.167	1.161	0.104	-
5 690	138	802.11ac	80	MCS0	12	11.59	0.00	Top	MIMO	86.1	0	0.480	0.042	1.167	1.161	0.057	-
5 690	138	802.11ac	80	MCS0	12	11.59	0.15	Left Corner	MIMO	86.1	0	0.651	0.065	1.167	1.161	0.088	-
5 690	138	802.11ac	80	MCS0	12	11.59	0.07	Right Corner	MIMO	86.1	0	0.937	0.096	1.167	1.161	0.130	-
5 775	155	802.11ac	80	MCS0	12	11.42	0.00	Rear	MIMO	86.1	0	2.120	0.403	1.262	1.161	0.590	-
5 775	155	802.11ac	80	MCS0	12	11.42	0.10	Left	MIMO	86.1	0	0.0941	0.051	1.262	1.161	0.075	-
5 775	155	802.11ac	80	MCS0	12	11.42	-0.03	Right	MIMO	86.1	0	0.740	0.131	1.262	1.161	0.192	-
5 775	155	802.11ac	80	MCS0	12	11.42	0.00	Top	MIMO	86.1	0	0.431	0.034	1.262	1.161	0.050	-
5 775	155	802.11ac	80	MCS0	12	11.42	0.19	Left Corner	MIMO	86.1	0	0.500	0.060	1.262	1.161	0.088	-
5 775	155	802.11ac	80	MCS0	12	11.42	0.18	Right Corner	MIMO	86.1	0	0.905	0.091	1.262	1.161	0.133	-
5 855	171	802.11ac	80	MCS0	12	11.54	0.00	Rear	MIMO	86.1	0	5.130	0.591	1.130	1.161	0.775	38
5 855	171	802.11ac	80	MCS0	12	11.54	0.08	Left	MIMO	86.1	0	0.112	0.00383	1.130	1.161	0.005	-
5 855	171	802.11ac	80	MCS0	12	11.54	-0.02	Right	MIMO	86.1	0	1.010	0.225	1.130	1.161	0.315	-
5 855	171	802.11ac	80	MCS0	12	11.54	0.00	Top	MIMO	86.1	0	0.665	0.137	1.130	1.161	0.180	-
5 855	171	802.11ac	80	MCS0	12	11.54	-0.10	Left Corner	MIMO	86.1	0	0.285	0.039	1.130	1.161	0.051	-
5 855	171	802.11ac	80	MCS0	12	11.54	0.15	Right Corner	MIMO	86.1	0	0.455	0.117	1.130	1.161	0.153	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					

Wi-Fi (NII) Body SAR Simultaneous conditions with 2.4GHz WLAN Simultaneous conditions with 5G NR (mmWave, Sub6)																	
Frequency		Mode	Band width (MHz)	Data Rate (Mbps)	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Duty Cycle	Distance (mm)	Area Scan Peak SAR (W/kg)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.																
5 290	58	802.11ac	80	MCS0	10	8.54	0.00	Rear	MIMO	86.1	0	0.88	0.166	1.449	1.161	0.279	-
5 290	58	802.11ac	80	MCS0	10	8.54	0.09	Left	MIMO	86.1	0	0.122	0.041	1.449	1.161	0.069	-
5 290	58	802.11ac	80	MCS0	10	8.54	0.13	Right	MIMO	86.1	0	0.436	0.084	1.449	1.161	0.141	-
5 290	58	802.11ac	80	MCS0	10	8.54	0.00	Top	MIMO	86.1	0	0.155	0.017	1.449	1.161	0.029	-
5 290	58	802.11ac	80	MCS0	10	8.54	-0.15	Left Corner	MIMO	86.1	0	0.04	0.000792	1.449	1.161	0.001	-
5 290	58	802.11ac	80	MCS0	10	8.54	0.12	Right Corner	MIMO	86.1	0	0.256	0.039	1.449	1.161	0.066	-
5 690	138	802.11ac	80	MCS0	10	9.28	0.00	Rear	MIMO	86.1	0	1.57	0.250	1.208	1.161	0.351	-
5 690	138	802.11ac	80	MCS0	10	9.28	0.10	Left	MIMO	86.1	0	0.114	0.031	1.208	1.161	0.043	-
5 690	138	802.11ac	80	MCS0	10	9.28	0.18	Right	MIMO	86.1	0	0.261	0.130	1.208	1.161	0.182	-
5 690	138	802.11ac	80	MCS0	10	9.28	0.00	Top	MIMO	86.1	0	0.272	0.031	1.208	1.161	0.043	-
5 690	138	802.11ac	80	MCS0	10	9.28	-0.13	Left Corner	MIMO	86.1	0	0.198	0.032	1.208	1.161	0.045	-
5 690	138	802.11ac	80	MCS0	10	9.28	0.13	Right Corner	MIMO	86.1	0	0.237	0.041	1.208	1.161	0.058	-
5 775	155	802.11ac	80	MCS0	10	9.18	0.00	Rear	MIMO	86.1	0	2.42	0.337	1.268	1.161	0.496	39
5 775	155	802.11ac	80	MCS0	10	9.18	0.06	Left	MIMO	86.1	0	0.148	0.028	1.268	1.161	0.041	-
5 775	155	802.11ac	80	MCS0	10	9.18	-0.14	Right	MIMO	86.1	0	0.488	0.107	1.268	1.161	0.157	-
5 775	155	802.11ac	80	MCS0	10	9.18	0.00	Top	MIMO	86.1	0	0.276	0.080	1.268	1.161	0.118	-
5 775	155	802.11ac	80	MCS0	10	9.18	0.11	Left Corner	MIMO	86.1	0	0.306	0.052	1.268	1.161	0.077	-
5 775	155	802.11ac	80	MCS0	10	9.18	-0.16	Right Corner	MIMO	86.1	0	0.367	0.058	1.268	1.161	0.085	-
5 855	171	802.11ac	80	MCS0	10	9.81	0.00	Rear	MIMO	86.1	0	1.280	0.238	1.050	1.161	0.290	-
5 855	171	802.11ac	80	MCS0	10	9.81	0.02	Left	MIMO	86.1	0	0.0706	0.016	1.050	1.161	0.020	-
5 855	171	802.11ac	80	MCS0	10	9.81	0.05	Right	MIMO	86.1	0	0.745	0.186	1.050	1.161	0.227	-
5 855	171	802.11ac	80	MCS0	10	9.81	0.00	Top	MIMO	86.1	0	0.195	0.029	1.050	1.161	0.035	-
5 855	171	802.11ac	80	MCS0	10	9.81	0.08	Left Corner	MIMO	86.1	0	0.102	0.024	1.050	1.161	0.029	-
5 855	171	802.11ac	80	MCS0	10	9.81	0.01	Right Corner	MIMO	86.1	0	0.579	0.047	1.050	1.161	0.057	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population												Body 1.6 W/kg Averaged over 1 gram					

DSS Body SAR													
Frequency		Mode	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.												
2 441	39	Bluetooth DH5	17.0	16.49	-0.09	Rear	Ant1	19	0.053	1.416	1.299	0.077	-
2 441	39	Bluetooth DH5	17.0	16.49	0.14	Right	Ant1	7	0.048	1.416	1.299	0.070	-
2 441	39	Bluetooth DH5	17.0	16.49	0.08	Top	Ant1	23	0.031	1.416	1.299	0.045	-
2 441	39	Bluetooth DH5	17.0	16.49	0.07	Right Corner	Ant1	8	0.157	1.416	1.299	0.229	40
2 441	39	Bluetooth DH5	16.5	16.22	0.00	Rear	Ant2	17	0.00552	1.507	1.299	0.008	-
2 441	39	Bluetooth DH5	16.5	16.22	-0.17	Left	Ant2	7	0.081	1.507	1.299	0.112	-
2 441	39	Bluetooth DH5	16.5	16.22	0.00	Top	Ant2	20	0.00619	1.507	1.299	0.009	-
2 441	39	Bluetooth DH5	16.5	16.22	-0.02	Left Corner	Ant2	8	0.044	1.507	1.299	0.061	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram					

DSS Body SAR – Grip Active													
Frequency		Mode	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.												
2 441	39	Bluetooth 2DH5	10.0	9.88	0.00	Rear	Ant1	0	0.084	1.028	1.309	0.113	-
2 441	39	Bluetooth 2DH5	10.0	9.88	0.00	Left	Ant1	0	0.000	1.028	1.309	0.000	-
2 441	39	Bluetooth 2DH5	10.0	9.88	-0.03	Right	Ant1	0	0.320	1.028	1.309	0.431	41
2 441	39	Bluetooth 2DH5	10.0	9.88	0.00	Top	Ant1	0	0.197	1.028	1.309	0.265	-
2 441	39	Bluetooth 2DH5	10.0	9.88	0.10	Right Corner	Ant1	0	0.178	1.028	1.309	0.240	-
2 441	39	Bluetooth 3DH5	10.5	9.47	0.00	Rear	Ant2	0	0.141	1.268	1.302	0.233	-
2 441	39	Bluetooth 3DH5	10.5	9.47	-0.07	Left	Ant2	0	0.288	1.268	1.302	0.475	42
2 441	39	Bluetooth 3DH5	10.5	9.47	0.00	Top	Ant2	0	0.043	1.268	1.302	0.071	-
2 441	39	Bluetooth 3DH5	10.5	9.47	0.00	Bottom	Ant2	0	0.016	1.268	1.302	0.026	-
2 441	39	Bluetooth 3DH5	10.5	9.47	0.09	Left Corner	Ant2	0	0.042	1.268	1.302	0.069	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram					

DSS Body SAR													
Simultaneous conditions with 5G NR (mmWave, Sub6)													
Frequency		Mode	Tune-Up Limit (dBm)	Meas. Power (dBm)	Power Drift (dB)	Test Position	Ant Config.	Distance (mm)	Meas. SAR (W/kg)	Scaling Factor	Scaling Factor (Duty)	Reported SAR (W/kg)	Plot No.
MHz	Ch.												
2 441	39	Bluetooth DH5	9.0	8.44	0.00	Rear	Ant1	0	0.048	1.138	1.299	0.071	-
2 441	39	Bluetooth DH5	9.0	8.44	0.00	Left	Ant1	0	0.000	1.138	1.299	0.000	-
2 441	39	Bluetooth DH5	9.0	8.44	0.11	Right	Ant1	0	0.202	1.138	1.299	0.299	43
2 441	39	Bluetooth DH5	9.0	8.44	0.00	Top	Ant1	0	0.134	1.138	1.299	0.198	-
2 441	39	Bluetooth DH5	9.0	8.44	0.01	Bottom	Ant1	0	0.00252	1.138	1.299	0.004	-
2 441	39	Bluetooth DH5	9.0	8.44	0.13	Right Corner	Ant1	0	0.122	1.138	1.299	0.180	-
2 441	39	Bluetooth DH5	9.0	8.01	0.00	Rear	Ant2	0	0.112	1.256	1.299	0.183	-
2 441	39	Bluetooth DH5	9.0	8.01	0.15	Left	Ant2	0	0.193	1.256	1.299	0.315	44
2 441	39	Bluetooth DH5	9.0	8.01	0.02	Right	Ant2	0	0.01	1.256	1.299	0.016	-
2 441	39	Bluetooth DH5	9.0	8.01	0.00	Top	Ant2	0	0.028	1.256	1.299	0.046	-
2 441	39	Bluetooth DH5	9.0	8.01	0.02	Bottom	Ant2	0	0.00227	1.256	1.299	0.004	-
2 441	39	Bluetooth DH5	9.0	8.01	0.11	Left Corner	Ant2	0	0.027	1.256	1.299	0.044	-
ANSI/ IEEE C95.1 - 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram					

13.6 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in FCC KDB Publication 616217 D04v01r02 and KDB Publication 447498 D01v06
2. Batteries are fully charged at the beginning of the SAR measurements. A standard battery was used for all SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB 447498 D01v06.
6. Per FCC KDB 865664 D01v01r04, variability SAR measurement were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg for 1g SAR and >2 for 10g SAR Please see Section 15 for variability analysis. the maximum tune-up tolerance limit.
7. This device utilizes power reduction for some wireless mode and technologies, as outlined in sec. 4.3 The maximum output power allowed for each transmitter and exposure condition was evaluated for SAR compliance based on expected use conditions and simultaneous scenarios.
8. FCC KDB Publication 616217 D04v01r02 Section 4.3, SAR tests are required for the back surface and edges of the tablet with the tablet touching the phantom. The SAR Exclusion Threshold in FCC KDB 447498 D01v06 was applied to determine SAR test exclusion for adjacent edge configurations

UMTS Notes:

1. The 12.2 kbps RMC mode is the primary mode per KDB 941225 D01v03r01.
2. UMTS SAR was tested under RMC 12.2 kbps with HSPA inactive per KDB publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
3. Per FCC KDB 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is 0.8 W/kg then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the channel highest output power channel was used.
4. When Power back-off of UMTS B4/B2 are applied, MPR of HSUPA is set to 0.

LTE Notes:

1. LTE Considerations: LTE test configurations are determined according to SAR Evaluation Consideration for LTE Devices in FCC KDB 941225 D05v02r05.
2. According to FCC KDB 941225 D05v02r05:
When the reported SAR is 0.8 W/kg, testing of the 100% RB allocation and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the 1RB, 50%RB and 100%RB allocation with highest output power for that channel.
Only one channel, and as reported SAR values for 1RB allocation and 50%RB allocation were less than 1.45 W/Kg only the highest power RB offset for each allocation was required.
3. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to target MPR is indicated alongside the SAR results.
4. When Power reduction is applied, MPR is 0.
5. A-MPR was disabled for all SAR tests by setting NS=01 on the base station simulator.
6. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) LTE TDD Band 41 SAR measured at the highest output power channel for each test configuration is 0.6 W/kg then testing at the other channels is not required for such test configurations.
7. TDD LTE B41 (Power Class 3) was tested using UL-DL configuration 0 with 6 UL sub frames and 2S

- sub frames using extended cyclic prefix only and special sub frame configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Sec. 4, the duty factor using extended cyclic prefix is 0.633(cf=1.58).
8. Per KDB 941225 D05Av01r02, SAR for LTE Carrier Aggregation operations was not needed because the maximum average output power in LTE CA mode was not > 0.25 dB higher than the maximum output power when downlink CA was not activated.
 9. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The Highest available duty cycle for Power Class 2 operations is 43.3% using UL-DL configuration 1. Per May TCB Workshop notes, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure conditions.
 10. This device supports LTE Carrier Aggregation(CA) in Uplink for LTE 41C/5B/66B/66C with two component carriers in the uplink. SAR measurements and conducted powers were evaluated per Fall 2017 TCBC Workshop notes (LTE Carrier aggregation).
For LTE Band 5, LTE Band 66 and LTE Band 41, per 2017 TCBC Workshop notes ,SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active.
Because the maximum output for UL CA of LTE 41C/5B/66B/66C is $\leq$ standalone LTE mode (without CA), SAR for LTE41C/5B/66B/66C Up link CA was performed at the highest standalone SAR configuration without CA and also UL CA SAR is not required for all required test channels, Because the reported SAR for UL CA configuration is < 1.4 W/kg.
The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.
 11. When the grip sensor is active (DSI=1) in the LTE B41 PC2 mode, the LTE B41PC2 operates as PC3.

NR Notes:

1. 5G Sub 6 NR Bands supports SA and NSA EN-DC operations..
2. SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.
3. Due to test setup limitations, SAR testing for NR was performed using FTM mode software to establish the connection.
4. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test report. This device additionally supports some EN-DC connections where additional LTE Carriers are added on the downlink only.
5. The device was configured with the tuner state selected by the device in LTE mode with auto-tune active at the same frequency as the NR test results. Additional Tuner states were evaluated per April 2019 TCB Workshop guidance.
6. NR modulations and RB Size/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
7. For final implementation, TDD NR slot configuration is synchronized using maximum duty cycle of 25%. SAR testing was performed using FTM mode with a 25% duty cycle applied to match final duty cycle.

WLAN Notes:

1. Per KDB 2482227 D01v02r02 justification for test configurations of 2.4 GHz WiFi Single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11 g/n) was not required due to the maximum allowed powers and the highest reported DSSS SAR.
2. Per KDB 2482227 D01v02r02 justification for test configurations of 5 GHz WiFi Single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission mode were not investigated since the highest reported SAR for initial test configuration adjusted by the ration of maximum output powers is less than 1.2 W/kg for 1g SAR and less than 3.0 W/kg for 10 g SAR.
3. When the maximum reported 1g averaged SAR is ≤ 0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg or all test channels were measured.
4. The device was configured to transmit continuously at the required data rated, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated WLAN test reports.

Bluetooth Notes:

1. Bluetooth SAR was measured with the device connected to a call box with hopping disabled with DH5 / 3DH5 operation and Tx Tests mode type. Per October 2016 TCBC Workshop Notes, the reported SAR was scaled to 100% transmission duty factor to determine compliance. Please see sec.11 for the time-domain plot and calculation for duty factor of the device.