

TEST REPORT

SAR Test for certification of WW23D

APPLICANT

Panasonic Corporation of North America

REPORT NO.

HCT-SR-2406-FC004-R4

DATE OF ISSUE

Aug. 21 2024

Tested by

Hae sun Park

(signature)



Technical Manager

Yun Jeang, Heo

(signature)



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TEST REPORT

FCC SAR Test for
certification

REPORT NO.

HCT-SR-2406-FC004-R4

DATE OF ISSUE

Aug. 21 2024

FCC ID

ACJ9TGW23D

Applicant

Panasonic Corporation of North America
Two Riverfront Plaza, 9th Floor, Newark, NJ 07102-5490, USA

Product Name

Wireless Module

Model Name

WW23D

Date of Test

Apr. 29, 2024 ~ Jun. 28, 2024

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing Lab
(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si,
Gyeonggi-do, 17383 KOREA)

FCC Rule Part(s)

CFR §2.1093

Test Results

PASS (SAR Limit: 1.6 W/kg)
Refer to the clause 3.2 Attestation of test result

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	Jul. 03 2024	Initial Release
1	Aug. 02 2024	Revised Page 7,18, Section 11,12,15
2	Aug. 05 2024	Revised Section 15
3	Aug. 20 2024	Revised page 7
4	Aug. 21 2024	Revised page 205,206,207

Notice

Content

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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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 RF Exposure Guidance v06
- FCC KDB Publication 616217 D04 SAR Tablets v01r02
- FCC KDB Publication 616217 D04 v01r02 (Proximity Sensor)
- FCC KDB Publication 690783 D01 SAR Listings on Grants v01r03
- FCC KDB Publication 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- FCC KDB Publication 865664 D02 SAR Reporting v01r02

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)
- November 2017 TCBC Workshop Notes (LTE Carrier Aggregation)
- April 2018 TCBC Workshop Notes (LTE DL CA SAR Test Exclusion)

2. Test Location

2.1 Test Laboratory

Company Name	HCT Co., Ltd.
Address	74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA
Telephone	031-645-6300
Fax.	031-645-6401

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	WW23D
Host Model Name	CF-33
Equipment Type	Wireless Module
FCC ID	ACJ9TGW23D
Application Type	Certification
Applicant	Panasonic Corporation of North America

3.2 Attestation of test result of device under test

The Highest Reported SAR			
Band	Tx. Frequency	Equipment Class	Reported SAR (W/kg)
			1 g Body
UMTS Band 2	1 852.4 MHz ~ 1 907.6 MHz	PCB	0.57
UMTS Band 4	1 712.4 MHz ~ 1 752.6 MHz	PCB	0.66
UMTS Band 5	826.4 MHz ~ 846.6 MHz	PCB	0.55
LTE FDD Band 2 (PCS)	1 850.7 MHz ~ 1 909.3 MHz	PCB	N/A
LTE FDD Band 4 (AWS)	1 710.7 MHz ~ 1 754.3 MHz	PCB	N/A
LTE FDD Band 5 (Cell)	824.7 MHz ~ 848.3 MHz	PCB	N/A
LTE FDD Band 7	2 502.5 MHz ~ 2 567.5 MHz	PCB	0.58
LTE FDD Band 12	699.7 MHz ~ 715.3 MHz	PCB	0.52
LTE FDD Band 13	779.5 MHz ~ 784.5 MHz	PCB	0.59
LTE FDD Band 14	790.5 MHz ~ 795.5 MHz	PCB	0.63
LTE FDD Band 17	706.5 MHz ~ 713.5 MHz	PCB	N/A
LTE FDD Band 25 (PCS)	1 850.7 MHz ~ 1 914.3 MHz	PCB	0.63
LTE FDD Band 26 (Cell)	814.7 MHz ~ 848.3 MHz	PCB	0.71
LTE TDD Band 38	2 572.5 MHz ~ 2 617.5 MHz	PCB	0.73
LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz	PCB	0.70
LTE TDD Band 42	3 402.5 MHz ~ 3 549.5 MHz	PCB	0.28
LTE TDD Band 48	3 552.5 MHz ~ 3 697.5 MHz	CBE	0.24
LTE FDD Band 66 (AWS)	1 710.7 MHz ~ 1 779.3 MHz	PCB	0.70
NR FDD Band n2	1 852.5 MHz ~ 1 907.5 MHz	PCB	0.67
NR FDD Band n5	826.5 MHz ~ 846.5 MHz	PCB	0.32
NR FDD Band n66	1 712.5 MHz ~ 1 777.5 MHz	PCB	0.43
NR TDD Band n77	3 710.01 MHz ~ 3 969.99 MHz 3 460.02 MHz ~ 3 540 MHz	PCB	0.56
Simultaneous SAR per KDB 690783 D01v01r03			1.59
Date(s) of Tests:	Apr. 29, 2024 ~ Jun. 17, 2024		

4. Device Under Test Description

4.1 DUT specification

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
UMTS Band 2	Data	1 852.4 MHz ~ 1 907.6 MHz
UMTS Band 4	Data	1 712.4 MHz ~ 1 752.6 MHz
UMTS Band 5	Data	826.4 MHz ~ 846.6 MHz
LTE FDD Band 2 (PCS)	Data	1 850.7 MHz ~ 1 909.3 MHz
LTE FDD Band 4 (AWS)	Data	1 710.7 MHz ~ 1 754.3 MHz
LTE FDD Band 5 (Cell)	Data	824.7 MHz ~ 848.3 MHz
LTE FDD Band 7	Data	2 502.5 MHz ~ 2 567.5 MHz
LTE FDD Band 12	Data	699.7 MHz ~ 715.3 MHz
LTE FDD Band 13	Data	779.5 MHz ~ 784.5 MHz
LTE FDD Band 14	Data	790.5 MHz ~ 795.5 MHz
LTE FDD Band 17	Data	706.5 MHz ~ 713.5 MHz
LTE FDD Band 25 (PCS)	Data	1 850.7 MHz ~ 1 914.3 MHz
LTE FDD Band 26	Data	814.7 MHz ~ 848.3 MHz
LTE TDD Band 38	Data	2 572.5 MHz ~ 2 617.5 MHz
LTE TDD Band 41	Data	2 498.5 MHz ~ 2 687.5 MHz
LTE TDD Band 42	Data	3 402.5 MHz ~ 3 549.5 MHz
LTE TDD Band 48	Data	3 552.5 MHz ~ 3 697.5 MHz
LTE FDD Band 66 (AWS)	Data	1 710.7 MHz ~ 1 779.3 MHz
NR FDD Band n2	Data	1 852.5 MHz ~ 1 907.5 MHz
NR FDD Band n5	Data	826.5 MHz ~ 846.5 MHz
NR FDD Band n66	Data	1 712.5 MHz ~ 1 777.5 MHz
NR TDD Band n77	Data	3 710.01 MHz ~ 3 969.99 MHz
NR TDD Band n77 DoD	Data	3 460.02 MHz ~ 3 540 MHz
Device Serial Numbers	Mode	Serial Number
	WWAN	SOP-23-01209, SOP-23-01181, SOP-23-01201

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4.4 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.

4.4.1 PCE Nominal Output Power

UMTS Band

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

(Tolerance: Nominal Power -1.0 dB ~ Nominal Power +1.0 dB)

Mode/Band		Grip Sensor ON (dBm)			
		3GPP WCDMA	3GPP HSDPA	3GPP HSUPA	DC-HSDPA
UMTS Band 2 (1900 MHz)	Maximum	15.0	14.0	14.0	14.0
	Nominal	14.0	13.0	13.0	13.0
UMTS Band 4 (1700 MHz)	Maximum	15.0	14.0	14.0	14.0
	Nominal	14.0	13.0	13.0	13.0
UMTS Band 5 (850 MHz)	Maximum	16.5	15.5	15.5	15.5
	Nominal	15.5	14.5	14.5	14.5

(Tolerance: Nominal Power -1.0 dB ~ Nominal Power +1.0 dB)

LTE Band

Mode / Band		Max. Modulated Average (dBm)	Grip Sensor ON (dBm)
LTE FDD Band 2	Maximum	24.0	15.2
	Nominal	23.0	14.2
LTE FDD Band 4	Maximum	24.0	15.5
	Nominal	23.0	14.5
LTE FDD Band 5	Maximum	24.0	17.0
	Nominal	23.0	16.0
LTE FDD Band 12	Maximum	24.0	18.0
	Nominal	23.0	17.0
LTE FDD Band 13	Maximum	24.0	17.5
	Nominal	23.0	16.5
LTE FDD Band 14	Maximum	24.0	17.5
	Nominal	23.0	16.5
LTE FDD Band 17	Maximum	24.0	18.0
	Nominal	23.0	17.0
LTE FDD Band 25	Maximum	24.0	15.2
	Nominal	23.0	14.2
LTE FDD Band 26	Maximum	24.0	17.0
	Nominal	23.0	16.0
LTE TDD Band 38 UL/DL Config.0 Burst Ave.	Maximum	24.0	16.5
	Nominal	23.0	15.5
LTE FDD Band 66	Maximum	24.0	15.0
	Nominal	23.0	14.0

(Tolerance: Nominal Power -1.0 dB ~ Nominal Power +1.0 dB)

Mode / Band		Max. Modulated Average (dBm)	Grip Sensor ON (dBm)
LTE FDD Band 7	Maximum	24.8	13.8
	Nominal	23.0	12.0
LTE TDD Band 41 UL/DL Config.0 Burst Ave.	Maximum	24.8	15.3
	Nominal	23.0	13.5
LTE TDD Band 42 UL/DL Config.0 Burst Ave.	Maximum	10.3	10.3
	Nominal	8.5	8.5
LTE TDD Band 48 UL/DL Config.0 Burst Ave.	Maximum	10.3	10.3
	Nominal	8.5	8.5

(Tolerance: Nominal Power -1.0 dB ~ Nominal Power +1.8 dB)

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Mode / Band		Max. Modulated Average (dBm)	Grip Sensor ON (dBm)
NR FDD Band n2	Maximum	24.5	11.3
	Nominal	23.7	10.5
NR FDD Band n5	Maximum	24.5	13.3
	Nominal	23.7	12.5
NR FDD Band n66	Maximum	24.5	11.1
	Nominal	23.7	10.3
NR TDD Band n77 Duty 100% Time Ave.	Maximum	24.5	7.8
	Nominal	23.7	7.0

(Tolerance: Nominal Power -2.2 dB ~ Nominal Power +0.8 dB)

Mode / Band		Pmax/ Tune-up power (Burst average)	
		Max. Modulated Average (dBm)	Grip Sensor ON (dBm)
NR TDD Band n77 Tx Duty 92 %	Maximum	24.5	8.2
	Nominal	23.7	7.4
NR TDD Band n77 Tx Duty 100 %.	Maximum	24.5	7.8
	Nominal	23.7	7.0

(Tolerance: Nominal Power -2.2 dB ~ Nominal Power +0.8 dB)

4.5 LTE Information

Item.		Description
Frequency Range	LTE FDD Band 2 (PCS)	1 850.7 MHz ~ 1 909.3 MHz
	LTE FDD Band 4 (AWS)	1 710.7 MHz ~ 1 754.3 MHz
	LTE FDD Band 5 (Cell)	824.7 MHz ~ 848.3 MHz
	LTE FDD Band 7	2 502.5 MHz ~ 2 567.5 MHz
	LTE FDD Band 12	699.7 MHz ~ 715.3 MHz
	LTE FDD Band 13	779.5 MHz ~ 784.5 MHz
	LTE FDD Band 14	790.5 MHz ~ 795.5 MHz
	LTE FDD Band 17	706.5 MHz ~ 713.5 MHz
	LTE FDD Band 25 (PCS)	1 850.7 MHz ~ 1 914.3 MHz
	LTE FDD Band 26 Cell)	814.7 MHz ~ 848.3 MHz
	LTE TDD Band 38	2 572.5 MHz ~ 2 617.5 MHz
	LTE TDD Band 41	2 498.5 MHz ~ 2 687.5 MHz
	LTE TDD Band 42	3 402.5 MHz ~ 3 549.5 MHz
	LTE TDD Band 48	3 552.5 MHz ~ 3 697.5 MHz
	LTE FDD Band 66 (AWS)	1 712.5 MHz ~ 1 777.5 MHz
Channel Bandwidths	LTE FDD Band 2 (PCS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 4 (AWS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 5 (Cell)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE FDD Band 7	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 12	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	LTE FDD Band 13	5 MHz, 10 MHz
	LTE FDD Band 14	5 MHz, 10 MHz
	LTE FDD Band 17	5 MHz, 10 MHz
	LTE FDD Band 25 (PCS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 26 Cell)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz
	LTE TDD Band 38	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE TDD Band 41	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE TDD Band 42	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE TDD Band 48	5 MHz, 10 MHz, 15 MHz, 20 MHz
	LTE FDD Band 66 (AWS)	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz

Ch. No.& Freq.(MHz)		Low	Mid	High
LTE FDD Band 2 (PCS)	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 FDD Band 4 (AWS)	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		1 732.5 (20175)	
LTE FDD Band 5 (Cell)	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		836.5 (20525)	
LTE FDD 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 FDD 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		707.5 (23095)	
LTE FDD Band 13	5 MHz	779.5 (23205)	782 (23230)	784.5 (23255)
	10 MHz		782 (23230)	
LTE FDD Band 14	5 MHz	790.5 (23305)	793 (23330)	795.5 (23355)
	10 MHz		793 (23330)	
LTE FDD Band 17	5 MHz	706.5(23755)	710.0(23790)	713.5(23825)
	10 MHz		710.0(23790)	
LTE FDD Band 25(PCS)	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 FDD Band 26 (Cell)	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		831.5 (26865)	
LTE TDD Band 38	5 MHz	2572.5 (37775)	2 595 (38000)	2617.5 (38225)
	10 MHz	2575 (37800)	2 595 (38000)	2615 (38200)
	15 MHz	2577.5 (37825)	2 595 (38000)	2612.5 (38175)
	20 MHz	2580 (37850)	2 595 (38000)	2610 (38150)

Ch. No.& Freq.(MHz)	Low		Mid		High	
LTE FDD 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 TDD Band 41	5 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
	10 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
	15 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
	20 MHz	2 506.0(39750)	2 549.5(40185)	2 593.0(40620)	2 636.5(41055)	2 680.0(41490)
LTE TDD Band 42	5 MHz	3402.5(41615)	3452.5(42115)	3500(42590)	3547.5(43065)	
	10 MHz	3405(41640)	3455(42140)	3500(42590)	3545(43040)	
	15 MHz	3407.5(41665)	3457.5(42165)	3500(42590)	3542.5(43015)	
	20 MHz	3410(41690)	3460(42190)	3500(42590)	3540(42990)	
LTE TDD Band 48	5 MHz	3 552.5(55265)	3 600.8(55748)	3 649.2(56232)	3 697.5(56715)	
	10 MHz	3 555(55290)	3 601.7(55757)	3 648.3(56223)	3 695(56690)	
	15 MHz	3 557.5(55315)	3 602.5(55765)	3 647.5(56215)	3 692.5(56665)	
	20 MHz	3 560(55340)	3 603.3(55773)	3 646.7(56207)	3 690(56640)	

Item.	Description
UE Category	LTE Rel. 15, UL Category 13 DL Category 16
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, Inter-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 15 Additional Information	This device does not support full feature on 3GPP Release 15 All uplink communications are identical to the Release 8 specifications. The following LTE release 10 features are not supported: Replay, HetNet, Enhanced MIMO, eICI, WIFI offloading, MDH, eMBHA, Cross-Carrier Scheduling, Enhanced SC-FDMA.

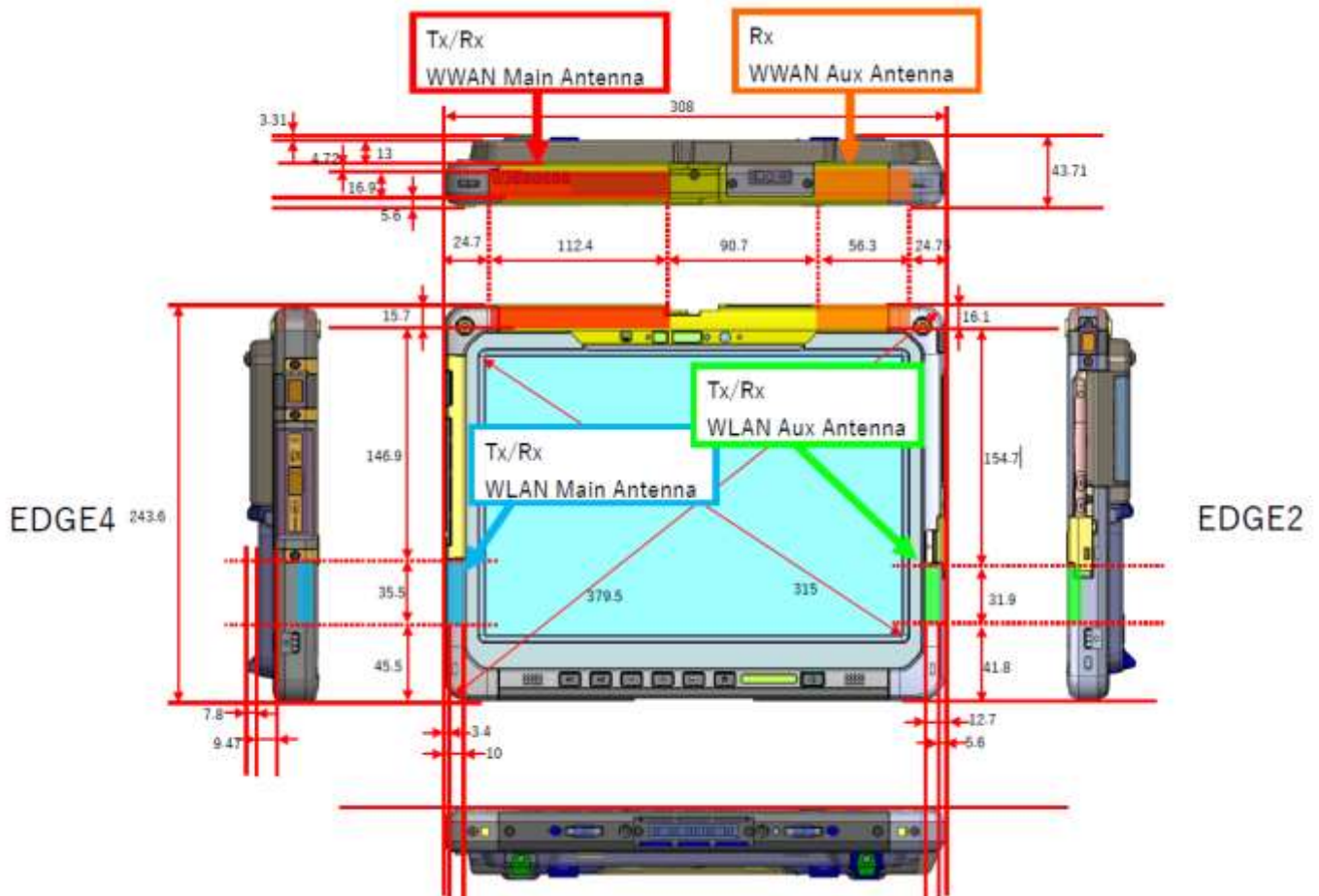
4.6 5G NR SUB 6 Information

Item.	Description
Frequency Range	NR FDD Band n2 (PCS)
	NR FDD Band n5 (Cell)
	NR FDD Band n66 (AWS)
	NR TDD Band n77
	NR TDD Band n77 DoD
Channel Bandwidths	NR FDD Band n2 (PCS)
	NR FDD Band n5 (Cell)
	NR FDD Band n66 (AWS)
	NR TDD Band n77
	NR TDD Band n77 DoD

Ch. No.& Freq.(MHz)		Low / Low-Mid			Mid		Mid-High / High	
NR FDD Band n2 (PCS)	5 MHz	1 852.5(370500)			1 880(376000)		1 907.5(381500)	
	10 MHz	1 855(371000)			1 880(376000)		1 905(381000)	
	15 MHz	1 857.5(371500)			1 880(376000)		1 902.5(380500)	
	20 MHz	1 860(372000)			1 880(376000)		1 900(380000)	
NR FDD 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 FDD Band n66 (AWS)	5 MHz	1 712.5 (342500)			1 745 (349000)		1 777.5 (355500)	
	10 MHz	1 715 (343000)			1 745 (349000)		1 775 (355000)	
	15 MHz	1 717.5 (343500)			1 745 (349000)		1 772.5 (354500)	
	20 MHz	1 720 (344000)			1 745 (349000)		1 770 (354000)	
NR TDD Band n77	20 MHz	3 710.01(647334)	3 762(650800)	3 813.99(654266)	3 866.01(657734)	3 918(661200)	3 969.99(664666)	
	30 MHz	3 715.02(647668)	3 765(651000)	3 815.01(654334)	3 864.99(657666)	3 915(661000)	3 964.98(664232)	
	40 MHz	3 720(648000)	3 768(651200)	3 816(654400)	3 864(657600)	3 912(660800)	3 960(664000)	
	50 MHz	3 725.01(648334)	3 782.49(652166)	3 840(656000)		3 897.51(659834)	3 954.99(663666)	
	60 MHz	3 730.02(648668)	3 803.34(653556)			3 876.66(658444)	3 949.98(663332)	
	80 MHz	3 740.01(649334)		3 840 (656000)		3 939.99(662666)		
	90 MHz	3 745.02(649668)		3 840 (656000)		3 934.98(662332)		
	100 MHz	3 750(650000)				3 930(662000)		
NR Band n77 (DoD)	20 MHz	3 460.02 (630668)			3 500.01 (633334)		3 540 (636000)	
	30 MHz	3 465 (631000)			3 500.01 (633334)		3 534.99 (635666)	
	40 MHz	3 470.01 (631334)					3 529.98 (635332)	
	50 MHz	3 475.02 (631668)					3 525 (635000)	
	60 MHz				3 500.01 (633334)			
	80 MHz				3 500.01 (633334)			
	90 MHz				3 500.01 (633334)			
	100 MHz				3 500.01 (633334)			

Item.	Description
NR Band n2/n5/n66	15 kHz
NR Band 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
LTE Anchor Bands for NR FDD Band n2 (PCS)	LTE Band 5/12/13/14/48
LTE Anchor Bands for NR FDD Band n5 (Cell)	LTE Band 2/7/66
LTE Anchor Bands for NR FDD Band n66 (AWS)	LTE Band 5/12/13/14/48
LTE Anchor Bands for NR TDD Band n77	LTE Band 2/5/7/12/13/14/41/66

4.7 DUT Antenna Locations



4.8 SAR Summation Scenario for Host Model



Simultaneous transmission paths

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

Simultaneous Transmission Scenarios	
Applicable Combination	Body Exposure Condition
UMTS+2.4 GHz Wi-Fi #1(Main) + 2.4 GHz Wi-Fi #2(Aux)	Yes
LTE+2.4 GHz Wi-Fi #1(Main) + 2.4 GHz Wi-Fi #2(Aux)	Yes
LTE+NR+2.4 GHz Wi-Fi #1(Main) + 2.4 GHz Wi-Fi #2(Aux)	Yes
UMTS+2.4 GHz Wi-Fi #1(Main) + 2.4 GHz Bluetooth(Aux)	Yes
LTE+2.4 GHz Wi-Fi #1(Main) + 2.4 GHz Bluetooth(Aux)	Yes
LTE+NR+2.4 GHz Wi-Fi #1(Main) + 2.4 GHz Bluetooth(Aux)	Yes
UMTS+5 GHz Wi-Fi #1(Main) + 5 GHz Wi-Fi #2(Aux)	Yes
LTE+5 GHz Wi-Fi #1(Main) + 5 GHz Wi-Fi #2(Aux)	Yes
LTE+NR+5 GHz Wi-Fi #1(Main) + 5 GHz Wi-Fi #2(Aux)	Yes
UMTS+5 GHz Wi-Fi #1(Main) + 5 GHz Wi-Fi #2(Aux) + 2.4 GHz Bluetooth(Aux)	Yes
LTE+5 GHz Wi-Fi #1(Main) + 5 GHz Wi-Fi #2(Aux) + 2.4 GHz Bluetooth(Aux)	Yes
LTE+NR+5 GHz Wi-Fi #1(Main) + 5 GHz Wi-Fi #2(Aux) + 2.4 GHz Bluetooth(Aux)	Yes
UMTS+6 GHz Wi-Fi #1(Main) + 6 GHz Wi-Fi #2(Aux)	Yes
LTE+6 GHz Wi-Fi #1(Main) + 6 GHz Wi-Fi #2(Aux)	Yes
LTE+NR+6 GHz Wi-Fi #1(Main) + 6 GHz Wi-Fi #2(Aux)	Yes
UMTS+6 GHz Wi-Fi #1(Main) + 6 GHz Wi-Fi #2(Aux) + 2.4 GHz Bluetooth(Aux)	Yes
LTE+6 GHz Wi-Fi #1(Main) + 6 GHz Wi-Fi #2(Aux) + 2.4 GHz Bluetooth(Aux)	Yes
LTE+NR+6 GHz Wi-Fi #1(Main) + 6 GHz Wi-Fi #2(Aux) + 2.4 GHz Bluetooth(Aux)	Yes

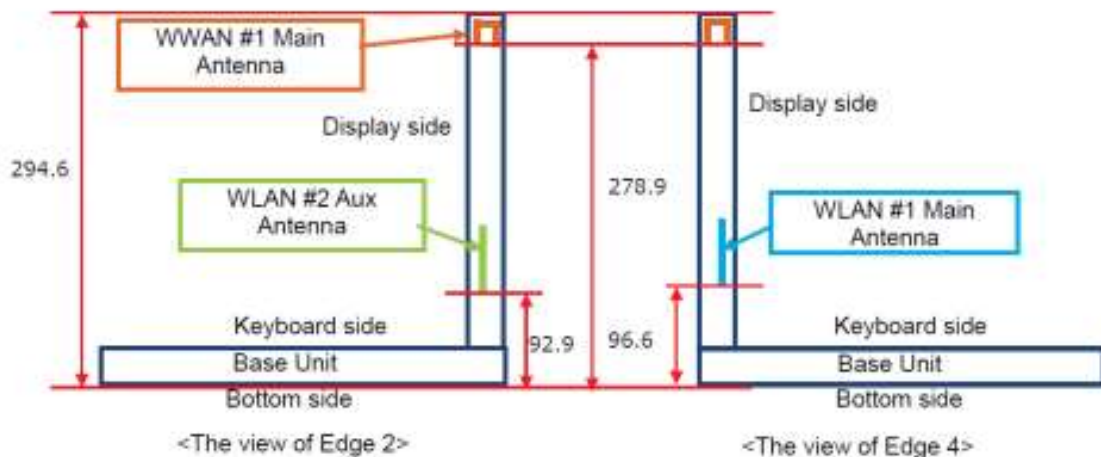
1. All licensed modes share the same antenna path and cannot transmit simultaneously.
2. The highest reported SAR for each exposure condition is used for SAR summation purpose.

5. SAR Test Considerations within Host Platform

5.1 Laptop host platform test requirements Per KDB Publication 447498 D01v06 and 616217 D04v01r02

The required minimum test separation distance for incorporating transmitters and antennas into laptop, notebook and netbook computer displays is determined with the display screen opened at an angle of 90° to the keyboard compartment. When antennas are incorporated in the keyboard section of a laptop computer, SAR is required for the Edge 3 surface of the keyboard. Provided tablet use conditions are not supported by the laptop computer, SAR tests for bystander exposure from the edges of the keyboard and display screen of laptop computers are generally not required

While users would normally keep the display open at angles greater than 90°degrees, for SAR testing purposes and to maintain conservativeness, we keep the display open at 90°degrees from the keyboard to perform the SAR measurement.



Considering the distance between the antenna of the WWAN and the Edge 3 side of the DUT, the SAR test of the WWAN was omitted according to KDB 447498 D01 and KDB 616217.

Test Configurations for the WWAN Main Module within Host

Test Configurations	Antenna-to-edge/surface	SAR Required	Note
Edge 3 Side (Laptop Mode)	278.9 mm	No	SAR is not required since separation distance from antenna to user is more far away

Per FCC KDB Publication 616217 D04v01r02, the Edge 3 surface should be tested for SAR compliance with the Laptop 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

5.2 Estimated SAR Configurations

Antenna	RAT	Band	Frequency [MHz]	Output Power or ERP		Seperation Distance (mm)								Device Configurations for SAR Testing							
				dBm	mW	Edge1	Edge2	Edge3	Edge4	Rear	Rear Tilt	Edge2 Tilt	Edge4 Tilt	Edge1	Edge2	Edge3	Edge4	Rear	Rear Tilt	Edge2 Tilt	Edge4 Tilt
WWAN #1 Main Antenna	UMTS	B2	1907.6	23.5	224	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	UMTS	B4	1752.6	23.5	224	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	UMTS	B5	846.6	23.5	224	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B2	1909.3	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B4	1754.3	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B5	846.5	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B7	2567.5	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B12	713.5	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B13	784.5	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B14	795.5	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B17	713.5	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B25	1914.3	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B26	848.3	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B38	2617.5	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B41	2680	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B48	3697.5	17.8	60	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	LTE	B66	1779.3	23	200	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	NR	n2	1860	23.7	234	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	NR	n5	836.5	23.7	234	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	NR	n66	1745	23.7	234	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES
	NR	n77	3750	23.7	234	2.1	170.7	227.8	24.7	4.25	2.1	N/A	N/A	YES	*YES	NO	YES	YES	YES	*YES	*YES

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 side for simultaneous transmission analysis of multiple transmitter conditions. The bottom side of the upper antenna excluded according to KDB 616217.

5.3 Test Configurations for the WWAN #1 Main Antenna

Tablet Mode:

Test Configurations	Antenna-to-edge/surface	SAR Required	Note
Rear	4.25 mm	Yes	-
Front	-	No	SAR is not required as this is not a typical use scenario.
Edge 1	2.1 mm	Yes	-
Edge 2	170.7 mm	Yes	Due to simultaneous transmission SAR analysis with WLAN MIMO, this position was tested even standalone SAR is excluded by SAR test exclusion consideration.
Edge 3	227.8 mm	No	SAR is not required since calculated threshold value is higher than maximum output power.
Edge 4	24.7 mm	Yes	-
Edge 2 Tilt	-	Yes	Due to simultaneous transmission SAR analysis with WLAN MIMO, this position was tested even standalone SAR is excluded by SAR test exclusion consideration.
Edge 4 Tilt	-	Yes	Due to simultaneous transmission SAR analysis with WLAN MIMO, this position was tested even standalone SAR is excluded by SAR test exclusion consideration.
Edge 1 Tilt	2.1 mm	Yes	-

Laptop Mode:

Test Configurations	Antenna-to-edge/surface	SAR Required	Note
Bottom Side (Laptop Mode)	278.9 mm	No	SAR is not required since separation distance from antenna to user is more far away compared with Edge3 tablet mode.

LEGEND:

Edge 1 = Top Edge
 Edge 2 = Right Edge
 Edge 3 = Bottom Edge
 Edge 4 = Left Edge
 Rear = Rear of display

6. 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 (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body.

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

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.

7. Description of test equipment

7.1 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.

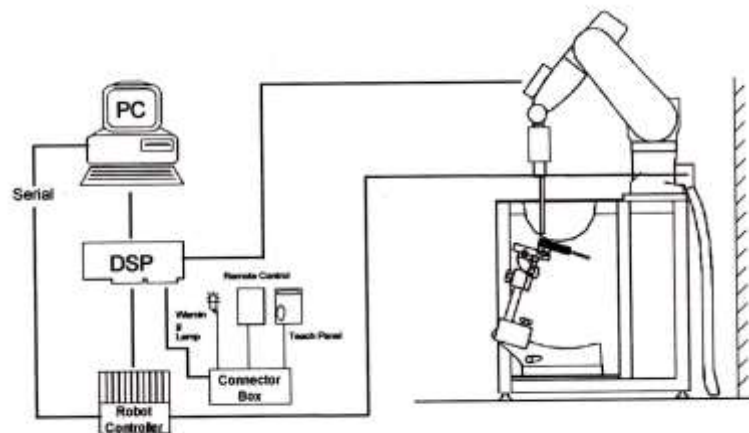


Figure 2. HCT SAR Lab. Test Measurement Set-up

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.

8. 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 are, 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.

			$\leq 3 \text{ GHz}$	$> 3 \text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5 \pm 1 \text{ mm}$	$\cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan Spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$			$\leq 2 \text{ GHz: } \leq 15 \text{ mm}$ $2\text{-}3 \text{ GHz: } \leq 12 \text{ mm}$	$3\text{-}4 \text{ GHz: } \leq 12 \text{ mm}$ $4\text{-}6 \text{ GHz: } \leq 10 \text{ mm}$
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan Spatial resolution: $\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$			$\leq 2 \text{ GHz: } \leq 8 \text{ mm}$ $2\text{-}3 \text{ GHz: } \leq 5 \text{ mm}^*$	$3\text{-}4 \text{ GHz: } \leq 5 \text{ mm}^*$ $4\text{-}6 \text{ GHz: } \leq 4 \text{ mm}^*$
Maximum zoom scan Spatial resolution normal to phantom surface	uniform grid: $\Delta z_{\text{zoom}}(n)$		$\leq 5 \text{ mm}$	$3\text{-}4 \text{ GHz: } \leq 4 \text{ mm}$ $4\text{-}5 \text{ GHz: } \leq 3 \text{ mm}$ $5\text{-}6 \text{ GHz: } \leq 2 \text{ mm}$
	graded grid	$\Delta z_{\text{zoom}}(1)$: between 1 st two Points closest to phantom surface	$\leq 4 \text{ mm}$	$3\text{-}4 \text{ GHz: } \leq 3 \text{ mm}$ $4\text{-}5 \text{ GHz: } \leq 2.5 \text{ mm}$ $5\text{-}6 \text{ GHz: } \leq 2 \text{ mm}$
		$\Delta z_{\text{zoom}}(n>1)$: between subsequent Points	$\leq 1.5 \cdot \Delta z_{\text{zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30 \text{ mm}$	$3\text{-}4 \text{ GHz: } \geq 28 \text{ mm}$ $4\text{-}5 \text{ GHz: } \geq 25 \text{ mm}$ $5\text{-}6 \text{ GHz: } \geq 22 \text{ mm}$
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 KDB447498 is $\leq 1.4 \text{ W/kg}$, $\leq 8 \text{ mm}$, $\leq 7 \text{ mm}$ and $\leq 5 \text{ mm}$ zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

9. RF Exposure Limits

HUMAN EXPOSURE	UNCONTROLLED ENVIRONMENT General Population (W/kg)	CONTROLLED ENVIRONMENT Occupational (W/kg)
The SAR averaged over the whole body mass.	0.08	0.4
The peak spatially-averaged SAR for the head, neck and trunk, averaged over any 1 g of tissue*	1.6	8
The peak spatially-averaged SAR in the limbs, averaged over any 10 g of tissue*	4	20

SAR Human Exposure Specific in Health Canada Safety Code 6

NOTES:

* Defined as a tissue volume in the shape of a cube.

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 SAR Measurement Conditions for UMTS

10.2.1 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 (DPCCH, 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.

10.2.2 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.

10.2.3 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.

10.2.4 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.

10.3.5DC-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 D05v02r05publication. 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(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.

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	$13168 \cdot T_s$			-	-	-

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

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

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

Calculated Duty Cycle = $(5120 \times (1/(15000 \times 2048)) \times 2 + 0.006)/0.01 \times 100 \% = 63.33 \%$

Where

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

10.4.7 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 UE Power : -21.5 dBm

Power Measurement (Meas. Count : 11/ 20)

	Avg.	Max.	Min.	Limit
TX Power	*****	*****	*****	dBm 20.3 to 25.7 dBm
Channel Power	*****	*****	*****	dBm

Modulation Analysis View (Meas. Count : 1/ 1)

Common Parameter

Test Parameter TX1 - Max. Power(QPSK/1 RB)

Call Processing On Scenario Normal

Frequency

Frame Structure 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

Input Level 30.0 dBm

Parameter

- Common
- Physical Channel
- Call Processing
- TX Measurement Setup
- RX Measurement Setup
- Fundamental Measurement

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 UE Power : -21.5 dBm

Power Measurement (Meas. Count : 11/ 20)

	Avg.	Max.	Min.	Limit
TX Power	*****	*****	*****	dBm 20.3 to 25.7 dBm
Channel Power	*****	*****	*****	dBm

Modulation Analysis View (Meas. Count : 1/ 1)

MCS Index (-)	5	(QPSK)	(5)	(2216)	-	-
MCS Index (5)	5	(QPSK)	(5)	(1864)	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

Parameter

- Common
- Physical Channel
- Call Processing
- TX Measurement Setup
- RX Measurement Setup
- Fundamental Measurement

1 2 3 4

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

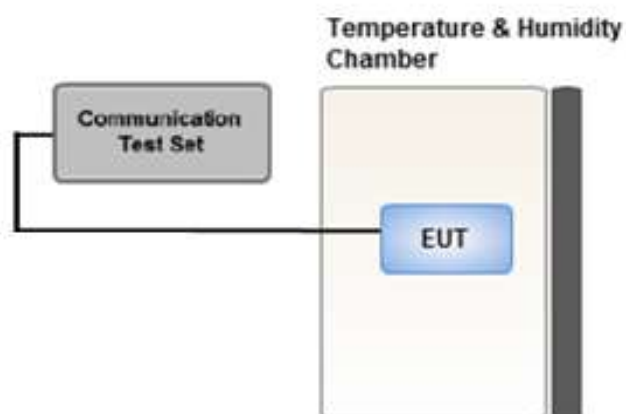
According to ANSI C63.26-2015 Section 5.2.1 when measuring the maximum RF output power from such devices, control over the EUT must be provided either through special test software (provided by manufacturer specifically for compliance testing, but not accessible by an end user) or through use of a base 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



11.2 UMTS Maximum Output Power

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.

11.2.1 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	UL4132 DL4357	UL4183 DL4408	UL4233 DL4458	
99	UMTS	12.2 kbps RMC	23.43	23.28	23.26	-
5	HSDPA	Subtest 1	22.42	22.25	21.94	0
5		Subtest 2	22.38	22.13	22.22	0
5		Subtest 3	21.89	21.60	21.78	0.5
5		Subtest 4	21.74	21.61	21.63	0.5
6	HSUPA	Subtest 1	22.22	22.12	22.15	0
6		Subtest 2	20.32	20.12	20.14	2
6		Subtest 3	21.20	21.14	21.18	1
6		Subtest 4	20.26	20.17	20.15	2
6		Subtest 5	22.25	22.31	22.16	0
8	DC-HSDPA	Subtest1	22.15	22.05	21.80	0
8		Subtest2	22.11	22.10	21.77	0
8		Subtest3	21.74	21.56	21.24	0.5
8		Subtest4	21.68	21.61	21.20	0.5

UMTS Average Conducted output powers

UMTS Band 5 Reduced Conducted Output Power (Grip back Activated)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 5 [dBm]			3GPP MPR
		Subtest	UL4132 DL4357	UL4183 DL4408	UL4233 DL4458	
99	UMTS	12.2 kbps RMC	15.39	15.24	15.23	-
5	HSDPA	Subtest 1	14.40	14.25	14.23	0
5		Subtest 2	14.42	14.26	14.24	0
5		Subtest 3	13.91	13.77	13.75	0.5
5		Subtest 4	13.91	13.75	13.74	0.5
6	HSUPA	Subtest 1	14.21	14.09	14.02	0
6		Subtest 2	12.18	12.11	12.05	2
6		Subtest 3	13.22	13.11	13.09	1
6		Subtest 4	12.20	12.11	12.07	2
6		Subtest 5	14.35	14.23	14.25	0
8	DC-HSDPA	Subtest1	14.23	13.95	13.79	0
8		Subtest2	14.16	13.86	13.70	0
8		Subtest3	13.62	13.50	13.40	0.5
8		Subtest4	13.59	13.41	13.35	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	23.41	23.59	23.77	-
5	HSDPA	Subtest 1	22.42	22.39	22.78	0
5		Subtest 2	22.28	22.60	22.81	0
5		Subtest 3	21.94	21.82	22.32	0.5
5		Subtest 4	21.62	22.13	21.79	0.5
6	HSUPA	Subtest 1	22.03	22.28	22.54	0
6		Subtest 2	20.07	20.29	20.47	2
6		Subtest 3	21.13	21.26	21.50	1
6		Subtest 4	20.20	20.30	20.46	2
6		Subtest 5	22.11	22.29	22.50	0
8	DC-HSDPA	Subtest1	22.40	22.60	22.69	0
8		Subtest2	22.35	22.62	22.58	0
8		Subtest3	21.98	22.15	22.04	0.5
8		Subtest4	21.90	22.11	22.11	0.5

UMTS Average Conducted output powers

UMTS Band 4 Reduced Conducted Output Power (Grip back Activated)

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	13.94	14.11	14.27	-
5	HSDPA	Subtest 1	12.91	13.07	12.95	0
5		Subtest 2	12.87	13.08	12.98	0
5		Subtest 3	12.40	12.61	12.76	0.5
5		Subtest 4	12.40	12.58	12.73	0.5
6	HSUPA	Subtest 1	12.53	12.72	12.92	0
6		Subtest 2	10.54	10.76	10.95	2
6		Subtest 3	11.51	11.67	12.03	1
6		Subtest 4	10.47	10.73	10.96	2
6		Subtest 5	12.48	12.74	12.86	0
8	DC-HSDPA	Subtest1	12.69	12.86	12.95	0
8		Subtest2	12.58	12.86	12.90	0
8		Subtest3	12.11	12.29	12.36	0.5
8		Subtest4	12.15	12.33	12.29	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	UL9262 DL9662	UL9400 DL9800	UL9538 DL9938	
99	UMTS	12.2 kbps RMC	23.40	23.32	23.33	-
5	HSDPA	Subtest 1	22.45	22.43	22.35	0
5		Subtest 2	22.44	22.41	22.30	0
5		Subtest 3	21.97	21.89	21.79	0.5
5		Subtest 4	21.73	21.67	21.78	0.5
6	HSUPA	Subtest 1	22.44	22.33	22.25	0
6		Subtest 2	20.35	20.40	20.25	2
6		Subtest 3	21.56	21.35	21.33	1
6		Subtest 4	20.35	20.47	20.29	2
6		Subtest 5	22.43	22.37	22.33	0
8	DC-HSDPA	Subtest 1	22.45	22.31	22.04	0
8		Subtest2	22.42	22.35	22.01	0
8		Subtest3	21.94	21.89	21.53	0.5
8		Subtest4	21.90	21.86	21.50	0.5

UMTS Average Conducted output powers

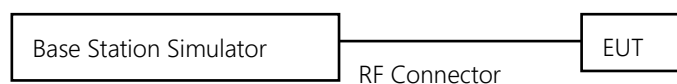
UMTS Band 2 Reduced Conducted Output Power (Grip back Activated)

3GPP Release Version	Mode	3GPP 34.121	UMTS Band 2 [dBm]			3GPP MPR
		Subtest	UL9262 DL9662	UL9400 DL9800	UL9538 DL9938	
99	UMTS	12.2 kbps RMC	13.94	13.86	13.83	-
5	HSDPA	Subtest 1	12.86	12.84	12.81	0
5		Subtest 2	12.89	12.85	12.77	0
5		Subtest 3	12.40	12.35	12.25	0.5
5		Subtest 4	12.43	12.36	12.26	0.5
6	HSUPA	Subtest 1	12.67	12.57	12.51	0
6		Subtest 2	10.62	10.54	10.48	2
6		Subtest 3	11.60	11.51	11.51	1
6		Subtest 4	10.53	10.52	10.46	2
6		Subtest 5	12.62	12.51	12.50	0
8	DC-HSDPA	Subtest 1	12.91	12.75	12.50	0
8		Subtest2	12.85	12.71	12.52	0
8		Subtest3	12.43	12.26	12.01	0.5
8		Subtest4	12.45	12.21	12.05	0.5

UMTS Average Conducted output powers

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 LTE Maximum Output Power

LTE FDD B4/B5/B12/B13/B14/B17/B26 at Max 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.

11.3.1 LTE Maximum Conducted Power

LTE FDD Band 2 Maximum Conducted Power

LTE FDD Band 2 _ 1.4 MHz Bandwidth Conducted Power

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	22.61	22.56	22.53	0	0
		1	3	22.67	22.62	22.64	0	0
		1	5	22.62	22.60	22.62	0	0
		3	0	22.66	22.60	22.60	0	0
		3	1	22.69	22.63	22.58	0	0
		3	3	22.64	22.60	22.59	0	0
	16QAM	6	0	21.72	21.68	21.74	0-1	1
		1	0	21.98	21.91	21.96	0-1	1
		1	3	22.08	22.16	22.12	0-1	1
		1	5	22.01	21.86	21.89	0-1	1
		3	0	21.80	21.80	21.78	0-1	1
		3	1	21.85	21.92	21.83	0-1	1
	64QAM	3	3	21.87	21.83	21.79	0-1	1
		6	0	20.79	20.76	20.74	0-2	2
		1	0	20.90	20.86	20.85	0-2	2
		1	3	20.99	20.95	20.90	0-2	2
		1	5	20.86	20.81	20.80	0-2	2
		3	0	20.80	20.79	20.76	0-2	2
	256QAM	3	1	20.84	20.81	20.83	0-2	2
		3	3	20.89	20.77	20.76	0-2	2
		6	0	19.76	19.71	19.71	0-3	3
		1	0	17.83	17.83	17.76	0-5	5
		1	3	17.87	17.91	17.87	0-5	5
		1	5	17.88	17.82	17.87	0-5	5
		3	0	17.89	17.80	17.82	0-5	5
		3	1	17.89	17.84	17.78	0-5	5
		3	3	17.86	17.80	17.81	0-5	5
		6	0	17.76	17.70	17.68	0-5	5

LTE FDD Band 2_ 3 MHz Bandwidth Conducted Power

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	22.66	22.56	22.67	0	0
		1	7	22.69	22.73	22.71	0	0
		1	14	22.70	22.70	22.70	0	0
		8	0	21.88	21.68	21.72	0-1	1
		8	3	21.82	21.78	21.85	0-1	1
		8	7	21.80	21.77	21.79	0-1	1
		15	0	21.84	21.75	21.80	0-1	1
	16QAM	1	0	21.95	21.95	21.89	0-1	1
		1	7	22.01	22.10	21.89	0-1	1
		1	14	22.09	22.08	21.97	0-1	1
		8	0	20.91	20.82	20.86	0-2	2
		8	3	20.95	20.88	20.86	0-2	2
		8	7	20.94	20.87	20.85	0-2	2
		15	0	20.86	20.81	20.80	0-2	2
	64QAM	1	0	20.93	20.83	20.94	0-2	2
		1	7	20.87	20.87	20.95	0-2	2
		1	14	21.08	20.87	20.95	0-2	2
		8	0	19.87	19.78	19.80	0-3	3
		8	3	19.87	19.86	19.83	0-3	3
		8	7	19.91	19.84	19.77	0-3	3
		15	0	19.81	19.82	19.81	0-3	3
	256QAM	1	0	17.83	17.84	17.85	0-5	5
		1	7	17.89	17.95	17.99	0-5	5
		1	14	17.96	17.91	17.97	0-5	5
		8	0	17.88	17.79	17.83	0-5	5
		8	3	17.84	17.84	17.89	0-5	5
		8	7	17.87	17.87	17.82	0-5	5
		15	0	17.90	17.83	17.82	0-5	5

LTE FDD Band 2_ 5 MHz Bandwidth Conducted Power

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	22.70	22.60	22.72	0	0
		1	12	22.72	22.73	22.72	0	0
		1	24	22.74	22.69	22.72	0	0
		12	0	21.84	21.75	21.76	0-1	1
		12	6	21.90	21.81	21.83	0-1	1
		12	11	21.88	21.81	21.80	0-1	1
		25	0	21.83	21.81	21.83	0-1	1
	16QAM	1	0	21.91	21.94	21.89	0-1	1
		1	12	22.11	22.10	21.86	0-1	1
		1	24	22.05	22.19	22.09	0-1	1
		12	0	20.86	20.77	20.83	0-2	2
		12	6	20.88	20.91	20.91	0-2	2
		12	11	20.88	20.85	20.87	0-2	2
		25	0	20.89	20.83	20.77	0-2	2
	64QAM	1	0	21.06	20.85	20.97	0-2	2
		1	12	21.02	20.89	20.84	0-2	2
		1	24	20.94	21.00	21.01	0-2	2
		12	0	19.93	19.80	19.77	0-3	3
		12	6	19.92	19.87	19.88	0-3	3
		12	11	19.91	19.86	19.85	0-3	3
		25	0	19.89	19.77	19.80	0-3	3
	256QAM	1	0	17.79	17.80	17.96	0-5	5
		1	12	17.97	17.88	17.95	0-5	5
		1	24	17.94	17.95	17.83	0-5	5
		12	0	17.81	17.78	17.75	0-5	5
		12	6	17.93	17.85	17.87	0-5	5
		12	11	17.82	17.79	17.86	0-5	5
		25	0	17.84	17.81	17.78	0-5	5

LTE FDD Band 2_ 10 MHz Bandwidth Conducted Power

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	22.66	22.58	22.65	0	0
		1	24	22.63	22.62	22.64	0	0
		1	49	22.80	22.75	22.64	0	0
		25	0	21.80	21.64	21.71	0-1	1
		25	12	21.89	21.78	21.75	0-1	1
		25	24	21.87	21.83	21.84	0-1	1
		50	0	21.86	21.85	21.72	0-1	1
	16QAM	1	0	22.22	22.08	21.91	0-1	1
		1	24	22.15	22.16	22.20	0-1	1
		1	49	22.15	22.13	22.08	0-1	1
		25	0	20.83	20.67	20.77	0-2	2
		25	12	20.87	20.77	20.78	0-2	2
		25	24	20.87	20.81	20.88	0-2	2
		50	0	20.85	20.81	20.82	0-2	2
	64QAM	1	0	20.85	20.45	20.66	0-2	2
		1	24	20.97	21.01	21.01	0-2	2
		1	49	21.03	21.05	20.86	0-2	2
		25	0	19.82	19.74	19.65	0-3	3
		25	12	19.87	19.87	19.81	0-3	3
		25	24	19.87	19.84	19.80	0-3	3
		50	0	19.84	19.76	19.84	0-3	3
	256QAM	1	0	17.85	17.82	17.79	0-5	5
		1	24	17.60	18.04	17.56	0-5	5
		1	49	18.12	17.93	17.72	0-5	5
		25	0	17.86	17.70	17.78	0-5	5
		25	12	17.86	17.72	17.80	0-5	5
		25	24	17.93	17.81	17.83	0-5	5
		50	0	17.92	17.89	17.76	0-5	5

LTE FDD Band 2 _ 15 MHz Bandwidth Conducted Power

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	22.77	22.71	22.71	0	0
		1	36	22.66	22.71	22.74	0	0
		1	74	22.76	22.73	22.62	0	0
		36	0	21.80	21.67	21.68	0-1	1
		36	18	21.89	21.75	21.78	0-1	1
		36	39	21.87	21.83	21.79	0-1	1
		75	0	21.86	21.79	21.73	0-1	1
	16QAM	1	0	21.99	21.99	22.05	0-1	1
		1	36	22.15	21.99	22.02	0-1	1
		1	74	22.08	22.06	22.07	0-1	1
		36	0	20.78	20.75	20.75	0-2	2
		36	18	20.87	20.71	20.84	0-2	2
		36	39	20.89	20.86	20.81	0-2	2
		75	0	20.89	20.79	20.73	0-2	2
	64QAM	1	0	20.76	20.87	20.83	0-2	2
		1	36	20.99	21.01	20.96	0-2	2
		1	74	21.10	20.97	20.97	0-2	2
		36	0	19.79	19.76	19.77	0-3	3
		36	18	19.90	19.77	19.85	0-3	3
		36	39	19.94	19.92	19.91	0-3	3
		75	0	19.89	19.84	19.76	0-3	3
	256QAM	1	0	17.92	17.90	17.86	0-5	5
		1	36	17.99	17.95	17.90	0-5	5
		1	74	18.09	17.93	17.91	0-5	5
		36	0	17.81	17.75	17.78	0-5	5
		36	18	17.93	17.78	17.92	0-5	5
		36	39	17.99	17.83	17.87	0-5	5
		75	0	17.95	17.86	17.81	0-5	5

LTE FDD Band 2 _ 20 MHz Bandwidth Conducted Power

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	22.69	22.83	22.67	0	0
		1	49	22.54	22.76	22.59	0	0
		1	99	22.70	22.62	22.60	0	0
		50	0	21.77	21.72	21.79	0-1	1
		50	25	21.85	21.85	21.86	0-1	1
		50	49	21.90	21.91	21.85	0-1	1
		100	0	21.88	21.79	21.84	0-1	1
	16QAM	1	0	21.95	22.04	22.07	0-1	1
		1	49	22.00	22.00	21.96	0-1	1
		1	99	22.17	21.98	22.04	0-1	1
		50	0	20.75	20.80	20.65	0-2	2
		50	25	20.89	20.84	20.76	0-2	2
		50	49	20.89	20.87	20.82	0-2	2
		100	0	20.86	20.82	20.86	0-2	2
	64QAM	1	0	20.98	20.83	20.95	0-2	2
		1	49	20.97	21.01	20.95	0-2	2
		1	99	20.97	20.99	20.98	0-2	2
		50	0	19.75	19.75	19.76	0-3	3
		50	25	19.89	19.87	19.86	0-3	3
		50	49	19.96	19.84	19.79	0-3	3
		100	0	19.89	19.77	19.74	0-3	3
	256QAM	1	0	17.97	17.89	17.83	0-5	5
		1	49	18.00	17.97	17.87	0-5	5
		1	99	17.83	18.05	17.90	0-5	5
		50	0	17.89	17.79	17.77	0-5	5
		50	25	17.89	17.90	17.92	0-5	5
		50	49	17.93	17.88	17.88	0-5	5
		100	0	17.91	17.91	17.91	0-5	5

LTE FDD Band 2 Reduced Conducted Power (Grip Sensor on)

LTE FDD Band 2__ 1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.91	13.99	13.89	0	0
		1	3	14.02	14.06	14.00	0	0
		1	5	13.95	13.94	13.85	0	0
		3	0	13.96	13.95	13.87	0	0
		3	1	14.02	14.01	13.93	0	0
		3	3	13.99	14.00	13.87	0	0
		6	0	14.12	14.04	13.94	0-1	0
	16QAM	1	0	14.29	14.17	14.15	0-1	0
		1	3	14.55	14.56	14.34	0-1	0
		1	5	14.41	14.43	14.32	0-1	0
		3	0	14.17	14.03	14.02	0-1	0
		3	1	14.09	14.14	14.08	0-1	0
		3	3	14.07	14.12	14.01	0-1	0
		6	0	14.14	14.00	13.96	0-2	0
	64QAM	1	0	14.14	14.16	14.14	0-2	0
		1	3	14.33	14.23	14.27	0-2	0
		1	5	14.14	14.16	14.12	0-2	0
		3	0	14.06	14.11	14.08	0-2	0
		3	1	14.18	14.14	14.15	0-2	0
		3	3	14.16	14.07	14.07	0-2	0
		6	0	14.03	14.07	14.00	0-3	0
	256QAM	1	0	14.08	14.11	13.97	0-5	0
		1	3	14.15	13.98	14.13	0-5	0
		1	5	14.01	14.04	14.02	0-5	0
		3	0	14.12	14.07	14.06	0-5	0
		3	1	14.15	14.10	14.09	0-5	0
		3	3	14.04	14.05	14.03	0-5	0
		6	0	14.03	13.94	13.97	0-5	0

LTE FDD Band 2_ 3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.08	13.98	13.97	0	0
		1	7	14.05	14.15	14.02	0	0
		1	14	14.13	14.06	14.02	0	0
		8	0	14.15	14.07	14.02	0-1	0
		8	3	14.23	14.09	14.12	0-1	0
		8	7	14.20	14.16	14.01	0-1	0
		15	0	14.16	14.06	14.06	0-1	0
	16QAM	1	0	14.34	14.18	14.28	0-1	0
		1	7	14.43	14.48	14.16	0-1	0
		1	14	14.45	14.48	14.27	0-1	0
		8	0	14.22	14.07	14.10	0-2	0
		8	3	14.22	14.16	14.18	0-2	0
		8	7	14.15	14.16	14.16	0-2	0
		15	0	14.08	14.04	14.05	0-2	0
	64QAM	1	0	14.23	14.12	14.17	0-2	0
		1	7	14.25	14.12	14.21	0-2	0
		1	14	14.22	14.16	14.22	0-2	0
		8	0	14.16	14.02	14.06	0-3	0
		8	3	14.17	14.12	14.09	0-3	0
		8	7	14.12	14.05	14.13	0-3	0
		15	0	14.17	14.11	14.09	0-3	0
	256QAM	1	0	14.17	14.08	14.06	0-5	0
		1	7	14.23	14.18	14.09	0-5	0
		1	14	14.25	14.16	14.15	0-5	0
		8	0	14.14	13.93	14.09	0-5	0
		8	3	14.16	14.12	14.13	0-5	0
		8	7	14.05	14.05	14.10	0-5	0
		15	0	14.08	14.02	14.07	0-5	0

LTE FDD Band 2_ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.10	14.00	13.95	0	0
		1	12	14.02	14.07	14.02	0	0
		1	24	14.03	14.20	14.02	0	0
		12	0	14.12	14.10	13.99	0-1	0
		12	6	14.23	14.07	14.12	0-1	0
		12	11	14.17	14.15	14.06	0-1	0
		25	0	14.12	14.08	14.03	0-1	0
	16QAM	1	0	14.28	14.22	14.33	0-1	0
		1	12	14.38	14.57	14.17	0-1	0
		1	24	14.43	14.30	14.26	0-1	0
		12	0	14.16	14.01	14.11	0-2	0
		12	6	14.14	14.13	14.19	0-2	0
		12	11	14.14	14.10	14.15	0-2	0
		25	0	14.10	14.05	14.07	0-2	0
	64QAM	1	0	14.15	14.16	14.15	0-2	0
		1	12	14.21	14.16	14.22	0-2	0
		1	24	14.32	14.21	14.26	0-2	0
		12	0	14.09	14.03	14.11	0-3	0
		12	6	14.14	14.16	14.08	0-3	0
		12	11	14.19	14.11	14.10	0-3	0
		25	0	14.04	14.04	14.03	0-3	0
	256QAM	1	0	14.17	14.04	14.19	0-5	0
		1	12	14.16	14.15	14.13	0-5	0
		1	24	14.22	14.14	14.14	0-5	0
		12	0	13.99	14.01	14.05	0-5	0
		12	6	14.07	14.03	14.07	0-5	0
		12	11	14.09	14.08	14.03	0-5	0
		25	0	14.13	14.00	14.07	0-5	0

LTE FDD Band 2_ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.05	13.90	13.96	0	0
		1	24	13.93	14.04	13.94	0	0
		1	49	14.04	14.21	13.94	0	0
		25	0	14.14	14.09	13.92	0-1	0
		25	12	14.18	14.14	14.02	0-1	0
		25	24	14.17	14.19	14.12	0-1	0
		50	0	14.16	14.07	14.01	0-1	0
	16QAM	1	0	14.53	14.54	14.44	0-1	0
		1	24	14.30	14.30	14.42	0-1	0
		1	49	14.35	14.38	14.45	0-1	0
		25	0	14.10	13.95	13.97	0-2	0
		25	12	14.07	13.96	14.06	0-2	0
		25	24	14.13	14.14	14.13	0-2	0
		50	0	14.12	14.10	13.97	0-2	0
	64QAM	1	0	13.95	14.16	14.11	0-2	0
		1	24	14.37	14.20	14.29	0-2	0
		1	49	14.27	14.25	14.31	0-2	0
		25	0	14.12	14.05	14.05	0-3	0
		25	12	14.20	14.08	14.03	0-3	0
		25	24	14.14	14.10	14.15	0-3	0
		50	0	14.13	14.15	14.04	0-3	0
	256QAM	1	0	14.12	13.94	13.99	0-5	0
		1	24	14.22	14.06	14.11	0-5	0
		1	49	14.22	14.08	14.21	0-5	0
		25	0	13.98	14.02	13.97	0-5	0
		25	12	14.13	13.99	14.08	0-5	0
		25	24	14.18	14.11	14.03	0-5	0
		50	0	14.12	14.01	13.99	0-5	0

LTE FDD Band 2_ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.08	14.00	14.05	0	0
		1	36	14.01	14.19	14.03	0	0
		1	74	14.06	14.13	13.96	0	0
		36	0	14.01	14.00	13.98	0-1	0
		36	18	14.20	14.04	14.09	0-1	0
		36	39	14.16	14.21	14.18	0-1	0
		75	0	14.22	14.08	14.09	0-1	0
	16QAM	1	0	14.25	14.27	14.30	0-1	0
		1	36	14.30	14.22	14.27	0-1	0
		1	74	14.52	14.24	14.29	0-1	0
		36	0	14.08	13.99	14.00	0-2	0
		36	18	14.21	14.00	14.10	0-2	0
		36	39	14.15	14.09	14.10	0-2	0
		75	0	14.17	14.07	14.02	0-2	0
	64QAM	1	0	14.04	14.15	14.25	0-2	0
		1	36	14.36	14.20	14.29	0-2	0
		1	74	14.33	14.23	14.26	0-2	0
		36	0	13.99	14.07	14.01	0-3	0
		36	18	14.15	14.05	14.15	0-3	0
		36	39	14.16	14.17	14.13	0-3	0
		75	0	14.08	14.15	13.99	0-3	0
	256QAM	1	0	14.14	14.04	13.90	0-5	0
		1	36	14.21	14.11	14.10	0-5	0
		1	74	14.30	14.02	14.15	0-5	0
		36	0	14.03	14.03	14.00	0-5	0
		36	18	14.16	14.03	14.07	0-5	0
		36	39	14.14	14.09	14.15	0-5	0
		75	0	14.17	14.04	14.05	0-5	0

LTE FDD Band 2_ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.00	14.06	14.04	0	0
		1	49	14.02	13.90	13.97	0	0
		1	99	14.07	14.10	14.04	0	0
		50	0	14.10	14.06	14.04	0-1	0
		50	25	14.18	14.05	14.11	0-1	0
		50	49	14.18	14.16	14.15	0-1	0
		100	0	14.21	14.12	14.07	0-1	0
	16QAM	1	0	14.33	14.36	14.48	0-1	0
		1	49	14.31	14.23	14.25	0-1	0
		1	99	14.29	14.26	14.23	0-1	0
		50	0	14.04	14.01	14.01	0-2	0
		50	25	14.16	14.13	14.01	0-2	0
		50	49	14.09	14.19	14.07	0-2	0
		100	0	14.11	14.10	14.10	0-2	0
	64QAM	1	0	14.21	14.14	14.18	0-2	0
		1	49	14.23	14.26	14.27	0-2	0
		1	99	14.16	14.31	14.27	0-2	0
		50	0	13.97	14.01	13.98	0-3	0
		50	25	14.17	14.20	14.16	0-3	0
		50	49	14.14	14.13	14.19	0-3	0
		100	0	14.08	14.16	14.06	0-3	0
	256QAM	1	0	14.05	14.10	14.00	0-5	0
		1	49	14.20	14.14	14.13	0-5	0
		1	99	14.10	14.08	14.14	0-5	0
		50	0	14.01	13.96	13.94	0-5	0
		50	25	14.13	14.09	14.15	0-5	0
		50	49	14.16	14.15	14.09	0-5	0
		100	0	14.14	14.15	14.09	0-5	0

LTE FDD Band 4 Maximum Conducted Power

LTE FDD Band 4 _ 1.4 MHz Bandwidth Conducted Power

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	22.57	22.63	22.85	0	0
		1	3	22.60	22.66	22.95	0	0
		1	5	22.57	22.65	22.92	0	0
		3	0	22.51	22.62	22.92	0	0
		3	1	22.58	22.66	22.97	0	0
		3	3	22.60	22.60	22.91	0	0
		6	0	21.63	21.68	22.01	0-1	1
	16QAM	1	0	21.82	21.94	22.18	0-1	1
		1	3	21.96	22.11	22.34	0-1	1
		1	5	21.99	22.02	22.15	0-1	1
		3	0	21.73	21.77	22.09	0-1	1
		3	1	21.78	21.81	22.19	0-1	1
		3	3	21.72	21.86	22.10	0-1	1
		6	0	20.68	20.82	21.08	0-2	2
	64QAM	1	0	20.81	20.88	21.22	0-2	2
		1	3	21.00	21.02	21.36	0-2	2
		1	5	20.85	20.91	21.22	0-2	2
		3	0	20.76	20.75	21.07	0-2	2
		3	1	20.75	20.89	21.19	0-2	2
		3	3	20.74	20.77	21.14	0-2	2
		6	0	19.73	19.70	20.04	0-3	3
	256QAM	1	0	17.74	17.80	18.09	0-5	5
		1	3	17.83	17.88	18.15	0-5	5
		1	5	17.77	17.88	18.12	0-5	5
		3	0	17.77	17.83	18.11	0-5	5
		3	1	17.85	17.91	18.26	0-5	5
		3	3	17.78	17.87	18.09	0-5	5
		6	0	17.66	17.74	18.02	0-5	5

LTE FDD Band 4 _ 3 MHz Bandwidth Conducted Power

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	22.65	22.65	22.97	0	0
		1	7	22.64	22.68	23.08	0	0
		1	14	22.63	22.74	23.02	0	0
		8	0	21.74	21.69	22.02	0-1	1
		8	3	21.72	21.78	22.12	0-1	1
		8	7	21.69	21.76	22.07	0-1	1
		15	0	21.74	21.76	22.12	0-1	1
	16QAM	1	0	21.94	22.04	22.21	0-1	1
		1	7	21.93	22.07	22.21	0-1	1
		1	14	22.02	22.11	22.35	0-1	1
		8	0	20.78	20.80	21.15	0-2	2
		8	3	20.90	20.90	21.24	0-2	2
		8	7	20.80	20.88	21.13	0-2	2
		15	0	20.72	20.85	21.14	0-2	2
	64QAM	1	0	20.93	20.91	21.19	0-2	2
		1	7	20.85	20.89	21.22	0-2	2
		1	14	20.84	21.03	21.27	0-2	2
		8	0	19.74	19.73	20.06	0-3	3
		8	3	19.79	19.90	20.16	0-3	3
		8	7	19.73	19.90	20.14	0-3	3
		15	0	19.73	19.85	20.10	0-3	3
	256QAM	1	0	17.89	17.77	18.19	0-5	5
		1	7	17.75	17.96	18.22	0-5	5
		1	14	17.82	17.92	18.27	0-5	5
		8	0	17.81	17.73	18.08	0-5	5
		8	3	17.84	17.91	18.17	0-5	5
		8	7	17.80	17.91	18.10	0-5	5
		15	0	17.79	17.83	18.15	0-5	5

LTE FDD Band 4_5 MHz Bandwidth Conducted Power

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	22.64	22.55	22.91	0	0
		1	12	22.71	22.77	23.07	0	0
		1	24	22.67	22.74	23.02	0	0
		12	0	21.70	21.74	22.03	0-1	1
		12	6	21.74	21.84	22.13	0-1	1
		12	11	21.77	21.81	22.08	0-1	1
		25	0	21.69	21.78	22.07	0-1	1
	16QAM	1	0	22.02	22.05	22.35	0-1	1
		1	12	22.11	22.21	22.27	0-1	1
		1	24	21.97	22.18	22.35	0-1	1
		12	0	20.77	20.82	21.14	0-2	2
		12	6	20.78	20.87	21.17	0-2	2
		12	11	20.76	20.91	21.18	0-2	2
		25	0	20.75	20.80	21.09	0-2	2
	64QAM	1	0	20.85	20.94	21.22	0-2	2
		1	12	20.80	20.93	21.30	0-2	2
		1	24	20.92	21.03	21.36	0-2	2
		12	0	19.79	19.80	20.12	0-3	3
		12	6	19.78	19.91	20.20	0-3	3
		12	11	19.79	19.88	20.13	0-3	3
		25	0	19.71	19.80	20.11	0-3	3
	256QAM	1	0	17.93	17.83	18.17	0-5	5
		1	12	17.77	17.90	18.20	0-5	5
		1	24	17.83	17.93	18.30	0-5	5
		12	0	17.73	17.76	18.10	0-5	5
		12	6	17.84	17.84	18.15	0-5	5
		12	11	17.78	17.85	18.19	0-5	5
		25	0	17.78	17.86	18.07	0-5	5

LTE FDD Band 4 _ 10 MHz Bandwidth Conducted Power

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	22.59	22.70	22.87	0	0
		1	24	22.64	22.70	23.02	0	0
		1	49	22.64	22.69	23.04	0	0
		25	0	21.78	21.78	22.00	0-1	1
		25	12	21.75	21.80	22.10	0-1	1
		25	24	21.70	21.85	22.13	0-1	1
		50	0	21.78	21.83	22.12	0-1	1
	16QAM	1	0	22.04	21.98	22.38	0-1	1
		1	24	21.95	21.98	22.44	0-1	1
		1	49	22.10	22.23	22.53	0-1	1
		25	0	20.70	20.79	21.00	0-2	2
		25	12	20.80	20.87	21.02	0-2	2
		25	24	20.81	20.82	21.11	0-2	2
		50	0	20.82	20.79	21.04	0-2	2
	64QAM	1	0	20.85	20.73	20.89	0-2	2
		1	24	20.95	21.07	21.29	0-2	2
		1	49	20.99	21.11	21.47	0-2	2
		25	0	19.78	19.72	20.05	0-3	3
		25	12	19.81	19.88	20.06	0-3	3
		25	24	19.81	19.86	20.15	0-3	3
		50	0	19.78	19.86	20.10	0-3	3
	256QAM	1	0	17.78	17.93	18.00	0-5	5
		1	24	17.54	17.92	18.14	0-5	5
		1	49	17.85	17.92	18.22	0-5	5
		25	0	17.73	17.77	18.02	0-5	5
		25	12	17.82	17.85	18.15	0-5	5
		25	24	17.72	17.95	18.09	0-5	5
		50	0	17.83	17.86	18.05	0-5	5

LTE FDD Band 4 _ 15 MHz Bandwidth Conducted Power

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	22.59	22.70	22.78	0	0
		1	36	22.48	22.59	22.88	0	0
		1	74	22.77	22.79	22.95	0	0
		36	0	21.75	21.80	21.90	0-1	1
		36	18	21.75	21.78	21.91	0-1	1
		36	39	21.73	21.83	22.00	0-1	1
		75	0	21.80	21.84	21.87	0-1	1
	16QAM	1	0	21.94	22.06	22.14	0-1	1
		1	36	21.95	22.02	22.03	0-1	1
		1	74	22.07	22.11	22.24	0-1	1
		36	0	20.76	20.81	20.93	0-2	2
		36	18	20.78	20.78	20.88	0-2	2
		36	39	20.77	20.83	20.97	0-2	2
		75	0	20.75	20.87	20.90	0-2	2
	64QAM	1	0	20.96	20.89	20.94	0-2	2
		1	36	20.65	20.88	20.97	0-2	2
		1	74	20.91	21.08	21.25	0-2	2
		36	0	19.65	19.84	19.94	0-3	3
		36	18	19.84	19.91	19.91	0-3	3
		36	39	19.79	19.87	20.02	0-3	3
		75	0	19.77	19.86	19.89	0-3	3
	256QAM	1	0	17.81	17.83	18.01	0-5	5
		1	36	17.82	17.96	18.08	0-5	5
		1	74	17.91	18.07	18.13	0-5	5
		36	0	17.79	17.82	17.91	0-5	5
		36	18	17.74	17.86	17.92	0-5	5
		36	39	17.73	17.87	18.12	0-5	5
		75	0	17.74	17.93	17.96	0-5	5

LTE FDD Band 4 _ 20 MHz Bandwidth Conducted Power

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	22.74	0	0
		1	49	22.33	0	0
		1	99	22.93	0	0
		50	0	21.74	0-1	1
		50	25	21.83	0-1	1
		50	49	21.90	0-1	1
		100	0	21.93	0-1	1
	16QAM	1	0	21.97	0-1	1
		1	49	22.05	0-1	1
		1	99	22.11	0-1	1
		50	0	20.78	0-2	2
		50	25	20.87	0-2	2
		50	49	20.81	0-2	2
		100	0	20.85	0-2	2
	64QAM	1	0	20.89	0-2	2
		1	49	20.93	0-2	2
		1	99	21.13	0-2	2
		50	0	19.84	0-3	3
		50	25	19.88	0-3	3
		50	49	19.82	0-3	3
		100	0	19.90	0-3	3
	256QAM	1	0	17.84	0-5	5
		1	49	17.85	0-5	5
		1	99	18.10	0-5	5
		50	0	17.89	0-5	5
		50	25	17.90	0-5	5
		50	49	17.74	0-5	5
		100	0	17.94	0-5	5

LTE FDD Band 4 Reduced Conducted Power (Grip Sensor on)

LTE FDD Band 4_ 1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.99	14.08	14.38	0	0
		1	3	14.04	14.18	14.47	0	0
		1	5	14.01	14.19	14.40	0	0
		3	0	13.96	14.06	14.41	0	0
		3	1	14.02	14.19	14.46	0	0
		3	3	14.00	14.10	14.44	0	0
		6	0	14.07	14.25	14.47	0-1	0
	16QAM	1	0	14.38	14.42	14.79	0-1	0
		1	3	14.53	14.46	14.85	0-1	0
		1	5	14.45	14.52	14.95	0-1	0
		3	0	14.21	14.35	14.65	0-1	0
		3	1	14.28	14.40	14.64	0-1	0
		3	3	14.23	14.34	14.53	0-1	0
		6	0	14.15	14.28	14.61	0-2	0
	64QAM	1	0	14.23	14.34	14.80	0-2	0
		1	3	14.35	14.51	14.78	0-2	0
		1	5	14.33	14.49	14.65	0-2	0
		3	0	14.18	14.35	14.69	0-2	0
		3	1	14.26	14.39	14.62	0-2	0
		3	3	14.23	14.31	14.61	0-2	0
		6	0	14.19	14.27	14.62	0-3	0
	256QAM	1	0	14.19	14.35	14.62	0-5	0
		1	3	14.27	14.45	14.67	0-5	0
		1	5	14.19	14.40	14.70	0-5	0
		3	0	14.19	14.39	14.74	0-5	0
		3	1	14.34	14.43	14.71	0-5	0
		3	3	14.22	14.40	14.72	0-5	0
		6	0	14.11	14.26	14.57	0-5	0

LTE FDD Band 4_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.05	14.10	14.41	0	0
		1	7	14.09	14.15	14.47	0	0
		1	14	14.13	14.25	14.52	0	0
		8	0	14.24	14.26	14.52	0-1	0
		8	3	14.21	14.34	14.62	0-1	0
		8	7	14.22	14.34	14.57	0-1	0
		15	0	14.17	14.30	14.56	0-1	0
	16QAM	1	0	14.52	14.45	14.81	0-1	0
		1	7	14.44	14.63	14.90	0-1	0
		1	14	14.65	14.52	14.99	0-1	0
		8	0	14.36	14.28	14.70	0-2	0
		8	3	14.34	14.41	14.72	0-2	0
		8	7	14.36	14.43	14.64	0-2	0
		15	0	14.24	14.34	14.62	0-2	0
	64QAM	1	0	14.42	14.45	14.79	0-2	0
		1	7	14.31	14.43	14.79	0-2	0
		1	14	14.42	14.49	14.75	0-2	0
		8	0	14.32	14.26	14.65	0-3	0
		8	3	14.31	14.37	14.67	0-3	0
		8	7	14.34	14.36	14.63	0-3	0
		15	0	14.25	14.31	14.64	0-3	0
	256QAM	1	0	14.26	14.27	14.79	0-5	0
		1	7	14.33	14.37	14.77	0-5	0
		1	14	14.40	14.41	14.69	0-5	0
		8	0	14.27	14.23	14.61	0-5	0
		8	3	14.32	14.41	14.74	0-5	0
		8	7	14.27	14.34	14.69	0-5	0
		15	0	14.30	14.39	14.70	0-5	0

LTE FDD Band 4_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.08	14.11	14.46	0	0
		1	12	14.13	14.26	14.58	0	0
		1	24	14.14	14.29	14.55	0	0
		12	0	14.15	14.20	14.54	0-1	0
		12	6	14.24	14.37	14.56	0-1	0
		12	11	14.22	14.36	14.62	0-1	0
		25	0	14.20	14.31	14.57	0-1	0
	16QAM	1	0	14.34	14.45	14.89	0-1	0
		1	12	14.47	14.61	14.79	0-1	0
		1	24	14.43	14.70	14.90	0-1	0
		12	0	14.27	14.30	14.61	0-2	0
		12	6	14.35	14.36	14.71	0-2	0
		12	11	14.23	14.33	14.69	0-2	0
		25	0	14.20	14.34	14.59	0-2	0
	64QAM	1	0	14.33	14.37	14.76	0-2	0
		1	12	14.30	14.47	14.78	0-2	0
		1	24	14.43	14.49	14.68	0-2	0
		12	0	14.28	14.24	14.62	0-3	0
		12	6	14.26	14.40	14.69	0-3	0
		12	11	14.26	14.39	14.68	0-3	0
		25	0	14.19	14.35	14.57	0-3	0
	256QAM	1	0	14.30	14.28	14.80	0-5	0
		1	12	14.28	14.50	14.82	0-5	0
		1	24	14.34	14.48	14.69	0-5	0
		12	0	14.22	14.30	14.60	0-5	0
		12	6	14.23	14.35	14.63	0-5	0
		12	11	14.20	14.34	14.61	0-5	0
		25	0	14.20	14.38	14.58	0-5	0

LTE FDD Band 4_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.07	14.15	14.35	0	0
		1	24	14.06	14.17	14.48	0	0
		1	49	14.11	14.28	14.46	0	0
		25	0	14.14	14.15	14.53	0-1	0
		25	12	14.20	14.29	14.53	0-1	0
		25	24	14.18	14.41	14.62	0-1	0
		50	0	14.20	14.34	14.53	0-1	0
	16QAM	1	0	14.53	14.58	15.10	0-1	0
		1	24	14.45	14.57	14.94	0-1	0
		1	49	14.56	14.66	14.95	0-1	0
		25	0	14.23	14.25	14.47	0-2	0
		25	12	14.21	14.25	14.52	0-2	0
		25	24	14.27	14.20	14.63	0-2	0
		50	0	14.20	14.26	14.56	0-2	0
	64QAM	1	0	14.30	14.35	14.34	0-2	0
		1	24	14.22	14.46	14.71	0-2	0
		1	49	14.30	14.55	14.73	0-2	0
		25	0	14.19	14.25	14.56	0-3	0
		25	12	14.25	14.39	14.41	0-3	0
		25	24	14.26	14.45	14.68	0-3	0
		50	0	14.23	14.27	14.56	0-3	0
	256QAM	1	0	14.32	14.30	14.56	0-5	0
		1	24	14.37	14.35	14.62	0-5	0
		1	49	14.40	14.55	14.80	0-5	0
		25	0	14.26	14.22	14.50	0-5	0
		25	12	14.31	14.35	14.57	0-5	0
		25	24	14.29	14.36	14.64	0-5	0
		50	0	14.31	14.35	14.47	0-5	0

LTE FDD Band 4_15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.04	14.24	14.31	0	0
		1	36	14.09	14.21	14.22	0	0
		1	74	14.10	14.24	14.42	0	0
		36	0	14.07	14.33	14.35	0-1	0
		36	18	14.21	14.24	14.41	0-1	0
		36	39	14.17	14.43	14.52	0-1	0
		75	0	14.23	14.35	14.34	0-1	0
	16QAM	1	0	14.53	14.51	14.50	0-1	0
		1	36	14.33	14.45	14.66	0-1	0
		1	74	14.50	14.56	14.74	0-1	0
		36	0	14.22	14.32	14.43	0-2	0
		36	18	14.26	14.28	14.36	0-2	0
		36	39	14.24	14.34	14.51	0-2	0
		75	0	14.29	14.29	14.39	0-2	0
	64QAM	1	0	14.35	14.31	14.50	0-2	0
		1	36	14.32	14.34	14.53	0-2	0
		1	74	14.41	14.45	14.50	0-2	0
		36	0	14.25	14.33	14.36	0-3	0
		36	18	14.28	14.33	14.43	0-3	0
		36	39	14.35	14.34	14.56	0-3	0
		75	0	14.35	14.31	14.37	0-3	0
	256QAM	1	0	14.36	14.35	14.36	0-5	0
		1	36	14.27	14.26	14.57	0-5	0
		1	74	14.23	14.45	14.62	0-5	0
		36	0	14.31	14.21	14.34	0-5	0
		36	18	14.24	14.32	14.43	0-5	0
		36	39	14.28	14.31	14.43	0-5	0
		75	0	14.22	14.30	14.39	0-5	0

LTE FDD Band 4_ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20175 Ch. 1732.5 MHz		
20 MHz	QPSK	1	0	14.12	0	0
		1	49	14.17	0	0
		1	99	14.36	0	0
		50	0	14.27	0-1	0
		50	25	14.39	0-1	0
		50	49	14.28	0-1	0
		100	0	14.40	0-1	0
	16QAM	1	0	14.51	0-1	0
		1	49	14.42	0-1	0
		1	99	14.69	0-1	0
		50	0	14.27	0-2	0
		50	25	14.31	0-2	0
		50	49	14.29	0-2	0
		100	0	14.33	0-2	0
	64QAM	1	0	14.36	0-2	0
		1	49	14.35	0-2	0
		1	99	14.55	0-2	0
		50	0	14.24	0-3	0
		50	25	14.39	0-3	0
		50	49	14.26	0-3	0
		100	0	14.39	0-3	0
	256QAM	1	0	14.39	0-5	0
		1	49	14.27	0-5	0
		1	99	14.45	0-5	0
		50	0	14.22	0-5	0
		50	25	14.37	0-5	0
		50	49	14.27	0-5	0
		100	0	14.33	0-5	0

LTE FDD Band 5 Maximum Conducted Power

LTE FDD Band 5 _ 1.4 MHz Bandwidth Conducted Power

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	22.60	22.44	22.36	0	0
		1	3	22.65	22.53	22.47	0	0
		1	5	22.53	22.39	22.33	0	0
		3	0	22.64	22.40	22.39	0	0
		3	1	22.62	22.47	22.45	0	0
		3	3	22.59	22.42	22.36	0	0
		6	0	21.68	21.57	21.49	0-1	1
	16QAM	1	0	21.96	21.79	21.68	0-1	1
		1	3	21.98	21.88	21.76	0-1	1
		1	5	21.80	21.79	21.50	0-1	1
		3	0	21.71	21.67	21.56	0-1	1
		3	1	21.76	21.64	21.63	0-1	1
		3	3	21.78	21.60	21.59	0-1	1
		6	0	20.71	20.57	20.57	0-2	2
	64QAM	1	0	20.85	20.72	20.11	0-2	2
		1	3	20.97	20.84	20.11	0-2	2
		1	5	20.83	20.71	20.07	0-2	2
		3	0	20.75	20.61	20.06	0-2	2
		3	1	20.81	20.67	20.13	0-2	2
		3	3	20.75	20.60	20.04	0-2	2
		6	0	19.66	19.58	19.04	0-3	3
	256QAM	1	0	17.66	17.68	17.60	0-5	5
		1	3	17.73	17.69	17.59	0-5	5
		1	5	17.72	17.59	17.55	0-5	5
		3	0	17.83	17.66	17.63	0-5	5
		3	1	17.77	17.68	17.65	0-5	5
		3	3	17.75	17.66	17.63	0-5	5
		6	0	17.72	17.52	17.47	0-5	5

LTE FDD Band 5 _ 3 MHz Bandwidth Conducted Power

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	22.79	22.53	22.48	0	0
		1	7	22.60	22.45	22.46	0	0
		1	14	22.54	22.42	22.42	0	0
		8	0	21.77	21.54	21.55	0-1	1
		8	3	21.81	21.66	21.67	0-1	1
		8	7	21.67	21.61	21.55	0-1	1
		15	0	21.74	21.56	21.53	0-1	1
	16QAM	1	0	22.02	21.93	21.85	0-1	1
		1	7	21.96	21.79	21.88	0-1	1
		1	14	21.86	21.90	21.81	0-1	1
		8	0	20.88	20.71	20.65	0-2	2
		8	3	20.83	20.77	20.71	0-2	2
		8	7	20.79	20.65	20.65	0-2	2
		15	0	20.73	20.62	20.55	0-2	2
	64QAM	1	0	21.03	20.82	20.54	0-2	2
		1	7	20.89	20.80	20.34	0-2	2
		1	14	20.87	20.73	20.04	0-2	2
		8	0	19.80	19.58	19.37	0-3	3
		8	3	19.79	19.63	19.31	0-3	3
		8	7	19.72	19.63	19.08	0-3	3
		15	0	19.82	19.64	19.24	0-3	3
	256QAM	1	0	17.98	17.77	17.79	0-5	5
		1	7	17.74	17.73	17.71	0-5	5
		1	14	17.77	17.62	17.64	0-5	5
		8	0	17.85	17.62	17.63	0-5	5
		8	3	17.75	17.70	17.65	0-5	5
		8	7	17.72	17.64	17.67	0-5	5
		15	0	17.79	17.54	17.58	0-5	5

LTE FDD Band 5 _ 5 MHz Bandwidth Conducted Power

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	22.78	22.56	22.58	0	0
		1	12	22.61	22.47	22.58	0	0
		1	24	22.60	22.47	22.42	0	0
		12	0	21.84	21.65	21.68	0-1	1
		12	6	21.81	21.66	21.64	0-1	1
		12	11	21.70	21.58	21.59	0-1	1
		25	0	21.76	21.62	21.55	0-1	1
	16QAM	1	0	22.10	21.99	21.97	0-1	1
		1	12	22.13	21.80	21.78	0-1	1
		1	24	21.85	21.84	21.65	0-1	1
		12	0	20.88	20.67	20.69	0-2	2
		12	6	20.80	20.78	20.69	0-2	2
		12	11	20.69	20.69	20.62	0-2	2
		25	0	20.77	20.67	20.65	0-2	2
	64QAM	1	0	20.99	20.85	20.55	0-2	2
		1	12	20.83	20.84	20.38	0-2	2
		1	24	20.85	20.78	20.11	0-2	2
		12	0	19.84	19.71	19.49	0-3	3
		12	6	19.82	19.71	19.45	0-3	3
		12	11	19.74	19.62	19.24	0-3	3
		25	0	19.78	19.66	19.28	0-3	3
	256QAM	1	0	17.99	17.79	17.79	0-5	5
		1	12	17.81	17.70	17.81	0-5	5
		1	24	17.75	17.76	17.64	0-5	5
		12	0	17.84	17.59	17.65	0-5	5
		12	6	17.77	17.70	17.63	0-5	5
		12	11	17.72	17.60	17.63	0-5	5
		25	0	17.75	17.66	17.61	0-5	5

LTE FDD Band 5 _ 10 MHz Bandwidth Conducted Power

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	22.53	0	0
		1	24	22.50	0	0
		1	49	22.49	0	0
		25	0	21.60	0-1	1
		25	12	21.63	0-1	1
		25	24	21.70	0-1	1
		50	0	21.69	0-1	1
	16QAM	1	0	21.99	0-1	1
		1	24	21.89	0-1	1
		1	49	22.01	0-1	1
		25	0	20.51	0-2	2
		25	12	20.68	0-2	2
		25	24	20.62	0-2	2
		50	0	20.70	0-2	2
	64QAM	1	0	20.75	0-2	2
		1	24	20.80	0-2	2
		1	49	20.81	0-2	2
		25	0	19.62	0-3	3
		25	12	19.74	0-3	3
		25	24	19.72	0-3	3
		50	0	19.68	0-3	3
	256QAM	1	0	17.71	0-5	5
		1	24	17.68	0-5	5
		1	49	17.79	0-5	5
		25	0	17.71	0-5	5
		25	12	17.63	0-5	5
		25	24	17.63	0-5	5
		50	0	17.63	0-5	5

LTE FDD Band 5 Reduced Conducted Power (Grip Sensor on)

LTE FDD Band 5 _ 1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	15.70	15.57	15.49	0	0
		1	3	15.70	15.50	15.45	0	0
		1	5	15.64	15.36	15.36	0	0
		3	0	15.67	15.51	15.44	0	0
		3	1	15.66	15.55	15.51	0	0
		3	3	15.61	15.41	15.37	0	0
		6	0	15.67	15.59	15.54	0-1	0
	16QAM	1	0	15.94	15.74	15.74	0-1	0
		1	3	16.00	15.95	15.80	0-1	0
		1	5	15.89	15.87	15.55	0-1	0
		3	0	16.02	15.72	15.65	0-1	0
		3	1	15.85	15.78	15.66	0-1	0
		3	3	15.80	15.63	15.64	0-1	0
		6	0	15.81	15.63	15.55	0-2	0
	64QAM	1	0	15.93	15.78	15.70	0-2	0
		1	3	16.01	15.98	15.82	0-2	0
		1	5	16.00	15.75	15.74	0-2	0
		3	0	15.79	15.72	15.66	0-2	0
		3	1	15.85	15.67	15.67	0-2	0
		3	3	15.81	15.69	15.59	0-2	0
		6	0	15.72	15.61	15.58	0-3	0
	256QAM	1	0	15.85	15.69	15.63	0-5	0
		1	3	15.88	15.66	15.69	0-5	0
		1	5	15.79	15.68	15.57	0-5	0
		3	0	15.85	15.68	15.66	0-5	0
		3	1	15.90	15.67	15.69	0-5	0
		3	3	15.87	15.66	15.61	0-5	0
		6	0	15.74	15.54	15.54	0-5	0

LTE FDD Band 5 _ 3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	15.83	15.56	15.56	0	0
		1	7	15.63	15.53	15.52	0	0
		1	14	15.65	15.44	15.38	0	0
		8	0	15.83	15.59	15.66	0-1	0
		8	3	15.80	15.69	15.64	0-1	0
		8	7	15.72	15.59	15.68	0-1	0
		15	0	15.82	15.64	15.58	0-1	0
	16QAM	1	0	16.19	15.81	16.00	0-1	0
		1	7	16.01	15.87	15.88	0-1	0
		1	14	15.98	15.85	15.89	0-1	0
		8	0	15.96	15.69	15.75	0-2	0
		8	3	15.95	15.75	15.78	0-2	0
		8	7	15.82	15.72	15.65	0-2	0
		15	0	15.82	15.67	15.58	0-2	0
	64QAM	1	0	16.03	15.87	15.83	0-2	0
		1	7	16.05	15.87	15.85	0-2	0
		1	14	16.01	15.78	15.74	0-2	0
		8	0	15.89	15.73	15.58	0-3	0
		8	3	15.82	15.80	15.73	0-3	0
		8	7	15.82	15.70	15.63	0-3	0
		15	0	15.86	15.72	15.66	0-3	0
	256QAM	1	0	16.00	15.77	15.71	0-5	0
		1	7	16.04	15.76	15.57	0-5	0
		1	14	15.86	15.72	15.67	0-5	0
		8	0	15.82	15.63	15.70	0-5	0
		8	3	15.83	15.68	15.64	0-5	0
		8	7	15.80	15.65	15.61	0-5	0
		15	0	15.83	15.69	15.57	0-5	0

LTE FDD Band 5 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	15.87	15.60	15.62	0	0
		1	12	15.68	15.52	15.63	0	0
		1	24	15.65	15.50	15.55	0	0
		12	0	15.86	15.71	15.69	0-1	0
		12	6	15.87	15.71	15.63	0-1	0
		12	11	15.74	15.66	15.64	0-1	0
		25	0	15.80	15.71	15.63	0-1	0
	16QAM	1	0	16.11	15.98	15.99	0-1	0
		1	12	15.95	15.86	15.89	0-1	0
		1	24	15.93	15.84	15.87	0-1	0
		12	0	15.93	15.73	15.80	0-2	0
		12	6	15.96	15.75	15.73	0-2	0
		12	11	15.84	15.72	15.77	0-2	0
		25	0	15.85	15.71	15.58	0-2	0
	64QAM	1	0	16.09	15.93	15.87	0-2	0
		1	12	15.99	15.95	15.83	0-2	0
		1	24	15.87	15.72	15.67	0-2	0
		12	0	15.97	15.77	15.76	0-3	0
		12	6	15.88	15.78	15.71	0-3	0
		12	11	15.87	15.67	15.68	0-3	0
		25	0	15.80	15.65	15.64	0-3	0
	256QAM	1	0	16.02	15.82	15.79	0-5	0
		1	12	15.97	15.69	15.73	0-5	0
		1	24	15.82	15.68	15.72	0-5	0
		12	0	15.89	15.68	15.72	0-5	0
		12	6	15.84	15.72	15.66	0-5	0
		12	11	15.81	15.58	15.63	0-5	0
		25	0	15.80	15.64	15.64	0-5	0

LTE FDD Band 5 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				20525 Ch. 836.5 MHz		
10 MHz	QPSK	1	0	15.75	0	0
		1	24	15.41	0	0
		1	49	15.52	0	0
		25	0	15.69	0-1	0
		25	12	15.73	0-1	0
		25	24	15.76	0-1	0
		50	0	15.73	0-1	0
	16QAM	1	0	16.31	0-1	0
		1	24	16.19	0-1	0
		1	49	15.99	0-1	0
		25	0	15.70	0-2	0
		25	12	15.77	0-2	0
		25	24	15.72	0-2	0
		50	0	15.68	0-2	0
	64QAM	1	0	15.87	0-2	0
		1	24	15.83	0-2	0
		1	49	15.88	0-2	0
		25	0	15.64	0-3	0
		25	12	15.71	0-3	0
		25	24	15.69	0-3	0
		50	0	15.77	0-3	0
	256QAM	1	0	15.85	0-5	0
		1	24	15.80	0-5	0
		1	49	15.64	0-5	0
		25	0	15.59	0-5	0
		25	12	15.69	0-5	0
		25	24	15.70	0-5	0
		50	0	15.66	0-5	0

LTE FDD Band 7 Maximum Conducted Output Power

LTE FDD Band 7 _ 5 MHz Bandwidth Conducted Power

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	22.91	22.73	23.10	0	0
		1	12	22.85	22.65	23.15	0	0
		1	24	22.83	22.72	23.05	0	0
		12	0	22.04	21.85	22.18	0-1	1
		12	6	22.01	21.85	22.18	0-1	1
		12	11	21.99	21.82	22.19	0-1	1
		25	0	22.04	21.86	22.17	0-1	1
	16QAM	1	0	22.22	22.07	22.54	0-1	1
		1	12	22.10	21.94	22.60	0-1	1
		1	24	22.22	22.05	22.39	0-1	1
		12	0	21.18	20.96	21.22	0-2	2
		12	6	21.12	20.91	21.26	0-2	2
		12	11	21.05	20.85	21.22	0-2	2
		25	0	21.03	20.82	21.24	0-2	2
	64QAM	1	0	21.17	20.96	21.36	0-2	2
		1	12	21.12	20.87	21.18	0-2	2
		1	24	21.09	20.99	21.25	0-2	2
		12	0	20.15	19.87	20.27	0-3	3
		12	6	20.12	19.94	20.25	0-3	3
		12	11	20.09	19.90	20.26	0-3	3
		25	0	20.04	19.84	20.22	0-3	3
	256QAM	1	0	18.16	17.94	18.35	0-5	5
		1	12	18.05	17.92	18.36	0-5	5
		1	24	18.03	17.94	18.30	0-5	5
		12	0	18.09	17.82	18.23	0-5	5
		12	6	18.00	17.85	18.28	0-5	5
		12	11	17.98	17.80	18.17	0-5	5
		25	0	18.01	17.81	18.22	0-5	5

LTE FDD Band 7 _ 10 MHz Bandwidth Conducted Power

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	22.86	22.73	23.07	0	0
		1	24	22.84	22.60	22.80	0	0
		1	49	22.82	22.66	23.02	0	0
		25	0	22.03	21.86	22.14	0-1	1
		25	12	22.03	21.82	22.17	0-1	1
		25	24	22.03	21.86	22.19	0-1	1
		50	0	22.07	21.85	22.14	0-1	1
	16QAM	1	0	22.41	22.18	22.45	0-1	1
		1	24	22.17	22.12	22.48	0-1	1
		1	49	22.33	22.14	22.47	0-1	1
		25	0	21.09	20.93	21.22	0-2	2
		25	12	21.09	20.93	21.22	0-2	2
		25	24	20.98	20.87	21.28	0-2	2
		50	0	20.98	20.85	21.12	0-2	2
	64QAM	1	0	21.25	20.79	21.15	0-2	2
		1	24	21.09	21.03	21.29	0-2	2
		1	49	21.07	21.11	21.29	0-2	2
		25	0	20.02	19.95	20.22	0-3	3
		25	12	20.08	19.92	20.19	0-3	3
		25	24	19.88	19.78	20.26	0-3	3
		50	0	20.06	19.91	20.19	0-3	3
	256QAM	1	0	18.28	18.18	18.06	0-5	5
		1	24	17.78	18.00	18.16	0-5	5
		1	49	18.08	17.93	18.22	0-5	5
		25	0	18.06	17.82	18.12	0-5	5
		25	12	18.08	17.84	18.11	0-5	5
		25	24	18.06	17.82	18.23	0-5	5
		50	0	18.06	17.85	18.13	0-5	5

LTE FDD Band 7 _ 15 MHz Bandwidth Conducted Power

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	22.97	22.84	23.06	0	0
		1	36	22.77	22.68	23.05	0	0
		1	74	22.70	22.76	22.96	0	0
		36	0	22.07	21.90	22.17	0-1	1
		36	18	22.05	21.83	22.13	0-1	1
		36	39	21.94	21.84	22.16	0-1	1
		75	0	22.05	21.77	22.11	0-1	1
	16QAM	1	0	22.44	22.32	22.52	0-1	1
		1	36	22.21	22.05	22.38	0-1	1
		1	74	22.19	22.13	22.32	0-1	1
		36	0	21.04	20.90	21.12	0-2	2
		36	18	21.09	20.90	21.13	0-2	2
		36	39	20.96	20.88	21.23	0-2	2
		75	0	21.01	20.86	21.12	0-2	2
	64QAM	1	0	21.32	20.99	21.32	0-2	2
		1	36	21.29	20.99	21.30	0-2	2
		1	74	21.14	20.97	21.32	0-2	2
		36	0	20.07	19.91	20.18	0-3	3
		36	18	20.10	19.95	20.15	0-3	3
		36	39	19.95	19.86	20.18	0-3	3
		75	0	20.07	19.88	20.17	0-3	3
	256QAM	1	0	18.19	18.16	18.16	0-5	5
		1	36	18.05	17.91	18.34	0-5	5
		1	74	18.09	17.90	18.26	0-5	5
		36	0	18.05	17.93	18.11	0-5	5
		36	18	18.03	18.21	18.05	0-5	5
		36	39	18.00	17.80	18.13	0-5	5
		75	0	17.96	17.86	18.15	0-5	5

LTE FDD Band 7 _ 20 MHz Bandwidth Conducted Power

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	22.96	22.95	22.97	0	0
		1	49	22.78	22.66	22.85	0	0
		1	99	22.02	22.69	22.96	0	0
		50	0	22.13	21.80	22.10	0-1	1
		50	25	22.01	21.82	22.21	0-1	1
		50	49	21.92	22.04	22.23	0-1	1
		100	0	21.99	21.86	22.10	0-1	1
	16QAM	1	0	22.49	22.16	22.42	0-1	1
		1	49	22.24	22.08	22.37	0-1	1
		1	99	22.28	22.10	22.31	0-1	1
		50	0	21.09	20.72	21.07	0-2	2
		50	25	20.99	20.88	21.17	0-2	2
		50	49	20.97	20.84	21.09	0-2	2
		100	0	21.09	20.92	21.06	0-2	2
	64QAM	1	0	21.29	21.02	21.26	0-2	2
		1	49	21.24	20.93	21.35	0-2	2
		1	99	20.19	21.10	21.28	0-2	2
		50	0	20.10	19.77	20.15	0-3	3
		50	25	20.10	19.87	20.17	0-3	3
		50	49	20.01	19.91	20.26	0-3	3
		100	0	20.09	19.91	20.03	0-3	3
	256QAM	1	0	18.13	17.92	18.15	0-5	5
		1	49	18.03	17.90	18.23	0-5	5
		1	99	17.94	18.01	18.24	0-5	5
		50	0	18.07	17.75	18.09	0-5	5
		50	25	18.04	17.92	18.20	0-5	5
		50	49	17.98	17.80	18.12	0-5	5
		100	0	18.05	17.89	18.12	0-5	5

LTE FDD Band 7 Reduced Conducted Output Power (Grip back Activated)

LTE FDD Band 7 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	11.83	11.55	12.06	0	0
		1	12	11.74	11.61	12.02	0	0
		1	24	11.76	11.63	11.97	0	0
		12	0	11.96	11.70	12.13	0-1	0
		12	6	11.87	11.68	12.14	0-1	0
		12	11	11.84	11.72	12.05	0-1	0
		25	0	11.93	11.71	12.09	0-1	0
	16QAM	1	0	12.13	11.99	12.31	0-1	0
		1	12	11.92	11.90	12.23	0-1	0
		1	24	11.97	11.91	12.32	0-1	0
		12	0	12.00	11.73	12.18	0-2	0
		12	6	11.97	11.74	12.20	0-2	0
		12	11	11.97	11.80	12.10	0-2	0
		25	0	11.94	11.75	12.11	0-2	0
	64QAM	1	0	12.11	11.87	12.31	0-2	0
		1	12	11.97	11.77	12.15	0-2	0
		1	24	11.99	11.78	12.16	0-2	0
		12	0	12.01	11.74	12.17	0-3	0
		12	6	11.98	11.71	12.16	0-3	0
		12	11	11.95	11.74	12.15	0-3	0
		25	0	11.91	11.72	12.07	0-3	0
	256QAM	1	0	12.06	11.89	12.29	0-5	0
		1	12	12.01	11.79	12.14	0-5	0
		1	24	12.00	11.80	12.23	0-5	0
		12	0	11.94	11.76	12.12	0-5	0
		12	6	11.94	11.77	12.12	0-5	0
		12	11	11.88	11.70	12.10	0-5	0
		25	0	11.91	11.71	12.16	0-5	0

LTE FDD Band 7 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	11.86	11.59	11.91	0	0
		1	24	11.72	11.35	11.92	0	0
		1	49	11.55	11.50	11.87	0	0
		25	0	11.92	11.77	12.05	0-1	0
		25	12	11.89	11.75	12.07	0-1	0
		25	24	11.90	11.71	12.07	0-1	0
		50	0	11.93	11.69	11.96	0-1	0
	16QAM	1	0	12.52	12.14	12.58	0-1	0
		1	24	12.49	11.92	12.58	0-1	0
		1	49	12.08	12.03	12.36	0-1	0
		25	0	11.96	11.79	12.13	0-2	0
		25	12	11.91	11.77	12.08	0-2	0
		25	24	11.93	11.72	12.14	0-2	0
		50	0	11.86	11.69	11.98	0-2	0
	64QAM	1	0	12.08	11.71	12.06	0-2	0
		1	24	11.99	11.66	11.95	0-2	0
		1	49	11.97	11.81	12.27	0-2	0
		25	0	11.99	11.79	12.10	0-3	0
		25	12	11.91	11.75	12.14	0-3	0
		25	24	11.83	11.73	12.14	0-3	0
		50	0	11.99	11.76	11.93	0-3	0
	256QAM	1	0	12.04	11.98	12.19	0-5	0
		1	24	11.97	11.64	12.17	0-5	0
		1	49	12.04	11.96	12.29	0-5	0
		25	0	11.94	11.72	12.03	0-5	0
		25	12	11.91	11.75	12.12	0-5	0
		25	24	11.90	11.76	12.13	0-5	0
		50	0	11.98	11.77	12.05	0-5	0

LTE FDD Band 7 _ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	11.87	11.66	11.95	0	0
		1	36	11.83	11.58	12.01	0	0
		1	74	11.65	11.55	11.97	0	0
		36	0	11.91	11.75	12.03	0-1	0
		36	18	11.88	11.77	12.05	0-1	0
		36	39	11.82	11.68	12.05	0-1	0
		75	0	11.85	11.71	12.00	0-1	0
	16QAM	1	0	12.18	12.04	12.21	0-1	0
		1	36	12.08	11.99	12.34	0-1	0
		1	74	11.99	11.97	12.26	0-1	0
		36	0	11.95	11.84	12.01	0-2	0
		36	18	11.91	11.69	12.10	0-2	0
		36	39	11.84	11.70	12.02	0-2	0
		75	0	11.87	11.71	12.07	0-2	0
	64QAM	1	0	12.11	12.08	12.14	0-2	0
		1	36	12.11	11.83	12.37	0-2	0
		1	74	11.96	11.90	12.28	0-2	0
		36	0	12.01	11.80	12.12	0-3	0
		36	18	11.93	11.79	12.09	0-3	0
		36	39	11.89	11.76	12.09	0-3	0
		75	0	11.89	11.70	11.99	0-3	0
	256QAM	1	0	12.08	11.91	12.12	0-5	0
		1	36	11.96	11.73	12.20	0-5	0
		1	74	11.88	11.82	12.21	0-5	0
		36	0	11.98	11.78	12.05	0-5	0
		36	18	11.91	11.73	12.07	0-5	0
		36	39	11.87	11.74	12.01	0-5	0
		75	0	11.87	11.80	12.06	0-5	0

LTE FDD Band 7 _ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	11.96	11.72	11.98	0	0
		1	49	11.69	11.47	11.96	0	0
		1	99	11.69	11.62	11.83	0	0
		50	0	11.92	11.67	11.98	0-1	0
		50	25	11.86	11.70	12.08	0-1	0
		50	49	11.83	11.69	11.99	0-1	0
		100	0	11.91	11.72	11.97	0-1	0
	16QAM	1	0	12.24	11.90	12.00	0-1	0
		1	49	12.00	11.94	12.17	0-1	0
		1	99	12.05	11.96	12.14	0-1	0
		50	0	11.89	11.79	12.00	0-2	0
		50	25	11.94	11.80	11.92	0-2	0
		50	49	11.82	11.66	12.04	0-2	0
		100	0	11.92	11.80	12.03	0-2	0
	64QAM	1	0	12.19	11.95	12.15	0-2	0
		1	49	11.99	11.90	12.10	0-2	0
		1	99	11.90	11.93	12.27	0-2	0
		50	0	11.97	11.74	11.96	0-3	0
		50	25	11.93	11.78	12.02	0-3	0
		50	49	11.85	11.79	12.06	0-3	0
		100	0	11.90	11.73	11.96	0-3	0
	256QAM	1	0	12.00	11.84	11.97	0-5	0
		1	49	11.95	11.77	12.13	0-5	0
		1	99	11.93	11.84	12.08	0-5	0
		50	0	11.96	11.69	11.99	0-5	0
		50	25	11.85	11.75	12.01	0-5	0
		50	49	11.85	11.78	12.04	0-5	0
		100	0	11.90	11.79	12.02	0-5	0

LTE FDD Band 12 Maximum Conducted Output Power

LTE FDD Band 12 _ 1.4 MHz Bandwidth Conducted Power

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	22.93	23.06	23.10	0	0
		1	3	22.98	23.20	23.10	0	0
		1	5	22.97	23.17	23.05	0	0
		3	0	22.92	23.13	23.11	0	0
		3	1	22.91	23.17	23.08	0	0
		3	3	22.89	23.13	23.06	0	0
		6	0	22.04	22.28	22.13	0-1	1
	16QAM	1	0	22.29	22.47	22.51	0-1	1
		1	3	22.25	22.52	22.52	0-1	1
		1	5	22.31	22.55	22.26	0-1	1
		3	0	22.02	22.32	22.25	0-1	1
		3	1	22.00	22.34	22.27	0-1	1
		3	3	22.02	22.34	22.21	0-1	1
		6	0	21.11	21.35	21.26	0-2	2
	64QAM	1	0	21.31	21.38	21.30	0-2	2
		1	3	21.47	21.53	21.44	0-2	2
		1	5	21.23	21.39	21.27	0-2	2
		3	0	21.26	21.29	21.22	0-2	2
		3	1	21.26	21.34	21.21	0-2	2
		3	3	21.11	21.29	21.31	0-2	2
		6	0	20.19	20.32	20.17	0-3	3
	256QAM	1	0	18.17	18.26	18.19	0-5	5
		1	3	18.26	18.38	18.29	0-5	5
		1	5	18.06	18.28	18.24	0-5	5
		3	0	18.08	18.26	18.28	0-5	5
		3	1	18.12	18.41	18.35	0-5	5
		3	3	18.07	18.38	18.28	0-5	5
		6	0	18.02	18.30	18.10	0-5	5

LTE FDD Band 12_3 MHz Bandwidth Conducted Power

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	23.04	23.23	23.18	0	0
		1	7	22.98	23.24	23.11	0	0
		1	14	23.02	23.26	23.13	0	0
		8	0	22.14	22.31	22.22	0-1	1
		8	3	22.20	22.38	22.24	0-1	1
		8	7	22.12	22.30	22.22	0-1	1
		15	0	22.22	22.28	22.17	0-1	1
	16QAM	1	0	22.29	22.58	22.48	0-1	1
		1	7	22.49	22.51	22.48	0-1	1
		1	14	22.52	22.63	22.42	0-1	1
		8	0	21.24	21.44	21.34	0-2	2
		8	3	21.34	21.51	21.28	0-2	2
		8	7	21.25	21.41	21.30	0-2	2
		15	0	21.20	21.34	21.18	0-2	2
	64QAM	1	0	21.34	21.54	21.42	0-2	2
		1	7	21.23	21.39	21.30	0-2	2
		1	14	21.20	21.34	21.37	0-2	2
		8	0	20.21	20.32	20.22	0-3	3
		8	3	20.20	20.34	20.19	0-3	3
		8	7	20.23	20.35	20.28	0-3	3
		15	0	20.22	20.41	20.21	0-3	3
	256QAM	1	0	18.11	18.37	18.29	0-5	5
		1	7	18.25	18.38	18.35	0-5	5
		1	14	18.25	18.43	18.30	0-5	5
		8	0	18.18	18.39	18.27	0-5	5
		8	3	18.24	18.36	18.21	0-5	5
		8	7	18.20	18.31	18.21	0-5	5
		15	0	18.20	18.38	18.25	0-5	5

LTE FDD Band 12_5 MHz Bandwidth Conducted Power

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	22.82	22.97	22.96	0	0
		1	12	22.84	22.98	23.04	0	0
		1	24	22.83	23.00	22.96	0	0
		12	0	21.99	22.16	22.05	0-1	1
		12	6	22.05	22.20	22.10	0-1	1
		12	11	22.03	22.14	22.06	0-1	1
		25	0	22.01	22.08	22.04	0-1	1
	16QAM	1	0	22.14	22.43	22.24	0-1	1
		1	12	22.26	22.26	22.43	0-1	1
		1	24	22.19	22.39	22.22	0-1	1
		12	0	20.98	21.20	21.12	0-2	2
		12	6	21.02	21.24	21.14	0-2	2
		12	11	20.99	21.27	21.13	0-2	2
		25	0	21.08	21.12	21.09	0-2	2
	64QAM	1	0	21.17	21.36	21.29	0-2	2
		1	12	21.18	21.23	21.14	0-2	2
		1	24	21.15	21.29	21.17	0-2	2
		12	0	20.04	20.17	20.09	0-3	3
		12	6	20.03	20.19	20.10	0-3	3
		12	11	20.09	20.19	20.10	0-3	3
		25	0	20.03	20.14	20.02	0-3	3
	256QAM	1	0	18.12	18.18	18.23	0-5	5
		1	12	18.00	18.25	18.16	0-5	5
		1	24	18.10	18.19	18.07	0-5	5
		12	0	17.98	18.19	18.09	0-5	5
		12	6	18.04	18.13	18.02	0-5	5
		12	11	18.01	18.09	18.06	0-5	5
		25	0	18.03	18.13	18.08	0-5	5

LTE FDD Band 12_10 MHz Bandwidth Conducted Power

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	22.88	0	0
		1	24	22.93	0	0
		1	49	23.06	0	0
		25	0	22.05	0-1	1
		25	12	22.12	0-1	1
		25	24	22.07	0-1	1
		50	0	22.10	0-1	1
	16QAM	1	0	22.38	0-1	1
		1	24	22.34	0-1	1
		1	49	22.21	0-1	1
		25	0	21.01	0-2	2
		25	12	21.11	0-2	2
		25	24	21.08	0-2	2
		50	0	21.16	0-2	2
	64QAM	1	0	21.12	0-2	2
		1	24	21.45	0-2	2
		1	49	21.10	0-2	2
		25	0	20.07	0-3	3
		25	12	20.10	0-3	3
		25	24	20.18	0-3	3
		50	0	20.07	0-3	3
	256QAM	1	0	18.05	0-5	5
		1	24	18.15	0-5	5
		1	49	18.46	0-5	5
		25	0	18.16	0-5	5
		25	12	18.05	0-5	5
		25	24	18.10	0-5	5
		50	0	18.09	0-5	5

LTE FDD Band 12 Reduced Conducted Output Power (Grip back Activated)

LTE FDD Band 12 _ 1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	16.75	16.91	16.92	0	0
		1	3	16.87	17.06	16.91	0	0
		1	5	16.77	16.92	16.86	0	0
		3	0	16.72	16.97	16.91	0	0
		3	1	16.79	17.02	16.99	0	0
		3	3	16.75	17.00	16.85	0	0
		6	0	16.88	17.10	16.97	0-1	0
	16QAM	1	0	16.96	17.31	17.30	0-1	0
		1	3	17.15	17.31	17.28	0-1	0
		1	5	17.14	17.30	17.16	0-1	0
		3	0	16.93	17.18	17.15	0-1	0
		3	1	16.95	17.21	17.26	0-1	0
		3	3	17.04	17.14	17.08	0-1	0
		6	0	16.87	17.23	17.00	0-2	0
	64QAM	1	0	17.00	17.27	17.17	0-2	0
		1	3	17.24	17.38	17.36	0-2	0
		1	5	17.05	17.29	17.21	0-2	0
		3	0	16.90	17.14	17.08	0-2	0
		3	1	16.98	17.25	17.20	0-2	0
		3	3	16.90	17.17	17.10	0-2	0
		6	0	16.87	17.12	16.99	0-3	0
	256QAM	1	0	16.96	17.15	17.21	0-5	0
		1	3	17.00	17.25	17.20	0-5	0
		1	5	16.97	17.17	17.07	0-5	0
		3	0	16.95	17.18	17.11	0-5	0
		3	1	16.96	17.22	17.17	0-5	0
		3	3	16.94	17.19	17.09	0-5	0
		6	0	16.92	17.14	17.03	0-5	0

LTE FDD Band 12_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	16.84	17.05	17.01	0	0
		1	7	16.86	17.04	17.00	0	0
		1	14	16.83	17.01	16.91	0	0
		8	0	16.95	17.12	17.02	0-1	0
		8	3	16.96	17.17	17.10	0-1	0
		8	7	17.00	17.15	17.06	0-1	0
		15	0	17.00	17.15	17.06	0-1	0
	16QAM	1	0	17.17	17.34	17.40	0-1	0
		1	7	17.28	17.43	17.30	0-1	0
		1	14	17.21	17.38	17.29	0-1	0
		8	0	17.02	17.23	17.21	0-2	0
		8	3	17.09	17.34	17.17	0-2	0
		8	7	17.04	17.21	17.08	0-2	0
		15	0	16.93	17.23	17.02	0-2	0
	64QAM	1	0	17.07	17.42	17.33	0-2	0
		1	7	17.06	17.34	17.26	0-2	0
		1	14	17.12	17.26	17.24	0-2	0
		8	0	17.04	17.18	17.11	0-3	0
		8	3	17.06	17.24	17.10	0-3	0
		8	7	17.00	17.15	17.05	0-3	0
		15	0	17.06	17.24	17.10	0-3	0
	256QAM	1	0	17.10	17.24	17.23	0-5	0
		1	7	17.04	17.27	17.16	0-5	0
		1	14	17.09	17.31	17.13	0-5	0
		8	0	16.99	17.18	17.10	0-5	0
		8	3	17.05	17.22	17.09	0-5	0
		8	7	17.06	17.14	17.08	0-5	0
		15	0	16.99	17.22	17.10	0-5	0

LTE FDD Band 12_5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	16.89	17.08	17.01	0	0
		1	12	16.87	17.16	16.98	0	0
		1	24	16.94	17.05	16.93	0	0
		12	0	16.96	17.10	17.16	0-1	0
		12	6	17.08	17.16	17.06	0-1	0
		12	11	16.99	17.13	17.12	0-1	0
		25	0	17.07	17.09	17.08	0-1	0
	16QAM	1	0	17.10	17.37	17.44	0-1	0
		1	12	17.13	17.43	17.34	0-1	0
		1	24	17.33	17.35	17.27	0-1	0
		12	0	17.04	17.23	17.19	0-2	0
		12	6	17.10	17.28	17.18	0-2	0
		12	11	17.07	17.21	17.12	0-2	0
		25	0	17.04	17.07	17.12	0-2	0
	64QAM	1	0	17.19	17.27	17.39	0-2	0
		1	12	17.15	17.34	17.30	0-2	0
		1	24	17.22	17.19	17.26	0-2	0
		12	0	17.05	17.20	17.24	0-3	0
		12	6	17.08	17.34	17.13	0-3	0
		12	11	17.05	17.25	17.12	0-3	0
		25	0	17.02	17.17	17.07	0-3	0
	256QAM	1	0	17.06	17.28	17.26	0-5	0
		1	12	17.19	17.30	17.22	0-5	0
		1	24	17.13	17.31	17.18	0-5	0
		12	0	17.01	17.16	17.12	0-5	0
		12	6	17.09	17.29	17.09	0-5	0
		12	11	17.04	17.20	17.13	0-5	0
		25	0	17.06	17.17	17.10	0-5	0

LTE FDD Band 12_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23095 Ch. 707.5 MHz		
10 MHz	QPSK	1	0	16.95	0	0
		1	24	16.87	0	0
		1	49	16.97	0	0
		25	0	17.18	0-1	0
		25	12	17.18	0-1	0
		25	24	17.10	0-1	0
		50	0	17.11	0-1	0
	16QAM	1	0	17.29	0-1	0
		1	24	17.53	0-1	0
		1	49	17.36	0-1	0
		25	0	17.13	0-2	0
		25	12	17.22	0-2	0
		25	24	17.17	0-2	0
		50	0	17.11	0-2	0
	64QAM	1	0	17.26	0-2	0
		1	24	17.37	0-2	0
		1	49	17.25	0-2	0
		25	0	17.18	0-3	0
		25	12	17.18	0-3	0
		25	24	17.24	0-3	0
		50	0	17.21	0-3	0
	256QAM	1	0	17.11	0-5	0
		1	24	17.27	0-5	0
		1	49	17.34	0-5	0
		25	0	17.15	0-5	0
		25	12	17.15	0-5	0
		25	24	17.24	0-5	0
		50	0	17.21	0-5	0

LTE FDD Band 13 Maximum Conducted Output Power

LTE FDD Band 13 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23205 Ch.	23230 Ch.	23255 Ch.		
				779.5 MHz	782 MHz	784.5 MHz		
5 MHz	QPSK	1	0	22.52	22.47	22.54	0	0
		1	12	22.49	22.48	22.59	0	0
		1	24	22.48	22.50	22.62	0	0
		12	0	21.55	21.60	21.63	0-1	1
		12	6	21.59	21.61	21.61	0-1	1
		12	11	21.55	21.59	21.60	0-1	1
		25	0	21.63	21.62	21.63	0-1	1
	16QAM	1	0	21.88	21.95	21.95	0-1	1
		1	12	21.80	21.85	21.83	0-1	1
		1	24	21.88	21.91	21.99	0-1	1
		12	0	20.74	20.68	20.66	0-2	2
		12	6	20.72	20.64	20.65	0-2	2
		12	11	20.63	20.74	20.73	0-2	2
		25	0	20.69	20.68	20.60	0-2	2
	64QAM	1	0	20.65	20.69	20.76	0-2	2
		1	12	20.73	20.75	20.78	0-2	2
		1	24	20.84	20.69	20.76	0-2	2
		12	0	19.60	19.59	19.63	0-3	3
		12	6	19.66	19.62	19.68	0-3	3
		12	11	19.68	19.70	19.67	0-3	3
		25	0	19.62	19.61	19.57	0-3	3
	256QAM	1	0	17.79	17.70	17.69	0-5	5
		1	12	17.72	17.69	17.75	0-5	5
		1	24	17.66	17.83	17.75	0-5	5
		12	0	17.58	17.61	17.67	0-5	5
		12	6	17.65	17.58	17.68	0-5	5
		12	11	17.58	17.60	17.67	0-5	5
		25	0	17.61	17.66	17.60	0-5	5

LTE FDD Band 13_10 MHz Bandwidth Conducted Power

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	22.46	0	0
		1	24	22.25	0	0
		1	49	22.52	0	0
		25	0	21.54	0-1	1
		25	12	21.60	0-1	1
		25	24	21.60	0-1	1
		50	0	21.72	0-1	1
	16QAM	1	0	21.94	0-1	1
		1	24	21.82	0-1	1
		1	49	21.95	0-1	1
		25	0	20.70	0-2	2
		25	12	20.51	0-2	2
		25	24	20.53	0-2	2
		50	0	20.78	0-2	2
	64QAM	1	0	20.86	0-2	2
		1	24	20.64	0-2	2
		1	49	20.70	0-2	2
		25	0	19.69	0-3	3
		25	12	19.67	0-3	3
		25	24	19.57	0-3	3
		50	0	19.75	0-3	3
	256QAM	1	0	17.67	0-5	5
		1	24	17.90	0-5	5
		1	49	17.53	0-5	5
		25	0	17.62	0-5	5
		25	12	17.64	0-5	5
		25	24	17.69	0-5	5
		50	0	17.71	0-5	5

LTE FDD Band 13 Reduced Conducted Output Power (Grip back Activated)

LTE FDD Band 13 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23205 Ch.	23230 Ch.	23255 Ch.		
				779.5 MHz	782 MHz	784.5 MHz		
5 MHz	QPSK	1	0	15.96	15.85	15.90	0	0
		1	12	15.91	16.02	16.04	0	0
		1	24	16.01	15.98	16.10	0	0
		12	0	16.10	16.17	16.11	0-1	0
		12	6	16.07	16.09	16.12	0-1	0
		12	11	16.14	16.17	16.12	0-1	0
		25	0	16.23	16.19	16.15	0-1	0
	16QAM	1	0	16.42	16.37	16.42	0-1	0
		1	12	16.27	16.34	16.43	0-1	0
		1	24	16.37	16.35	16.46	0-1	0
		12	0	16.19	16.18	16.20	0-2	0
		12	6	16.25	16.21	16.24	0-2	0
		12	11	16.25	16.28	16.26	0-2	0
		25	0	16.17	16.18	16.14	0-2	0
	64QAM	1	0	16.26	16.32	16.33	0-2	0
		1	12	16.19	16.26	16.20	0-2	0
		1	24	16.20	16.26	16.35	0-2	0
		12	0	16.16	16.17	16.15	0-3	0
		12	6	16.17	16.18	16.16	0-3	0
		12	11	16.12	16.13	16.21	0-3	0
		25	0	16.15	16.22	16.11	0-3	0
	256QAM	1	0	16.19	16.20	16.29	0-5	0
		1	12	16.31	16.17	16.26	0-5	0
		1	24	16.25	16.23	16.21	0-5	0
		12	0	16.15	16.19	16.19	0-5	0
		12	6	16.30	16.10	16.14	0-5	0
		12	11	16.14	16.17	16.20	0-5	0
		25	0	16.16	16.21	16.17	0-5	0

LTE FDD Band 13_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23230 Ch. 782 MHz		
10 MHz	QPSK	1	0	16.01	0	0
		1	24	15.69	0	0
		1	49	16.15	0	0
		25	0	16.22	0-1	0
		25	12	16.16	0-1	0
		25	24	16.19	0-1	0
		50	0	16.18	0-1	0
	16QAM	1	0	16.60	0-1	0
		1	24	16.59	0-1	0
		1	49	16.56	0-1	0
		25	0	16.13	0-2	0
		25	12	16.21	0-2	0
		25	24	16.27	0-2	0
		50	0	16.16	0-2	0
	64QAM	1	0	16.05	0-2	0
		1	24	16.31	0-2	0
		1	49	16.23	0-2	0
		25	0	16.13	0-3	0
		25	12	16.16	0-3	0
		25	24	16.23	0-3	0
		50	0	16.22	0-3	0
	256QAM	1	0	16.19	0-5	0
		1	24	16.36	0-5	0
		1	49	16.17	0-5	0
		25	0	16.22	0-5	0
		25	12	16.17	0-5	0
		25	24	16.24	0-5	0
		50	0	16.44	0-5	0

LTE FDD Band 14 Maximum Conducted Output Power

LTE FDD Band 14 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23305 Ch.	23330 Ch.	23355 Ch.		
				790.5 MHz	793 MHz	795.5 MHz		
5 MHz	QPSK	1	0	22.53	22.52	22.53	0	0
		1	12	22.58	22.55	22.61	0	0
		1	24	22.58	22.55	22.54	0	0
		12	0	21.63	21.61	21.57	0-1	1
		12	6	21.68	21.63	21.67	0-1	1
		12	11	21.62	21.61	21.68	0-1	1
		25	0	21.61	21.57	21.57	0-1	1
	16QAM	1	0	21.82	21.88	21.87	0-1	1
		1	12	22.14	21.99	22.10	0-1	1
		1	24	21.83	21.88	21.84	0-1	1
		12	0	20.65	20.64	20.66	0-2	2
		12	6	20.72	20.73	20.65	0-2	2
		12	11	20.70	20.67	20.75	0-2	2
		25	0	20.63	20.63	20.61	0-2	2
	64QAM	1	0	20.76	20.68	20.73	0-2	2
		1	12	20.80	20.83	20.81	0-2	2
		1	24	20.79	20.80	20.79	0-2	2
		12	0	19.61	19.66	19.62	0-3	3
		12	6	19.69	19.64	19.71	0-3	3
		12	11	19.68	19.68	19.68	0-3	3
		25	0	19.70	19.63	19.57	0-3	3
	256QAM	1	0	17.70	17.75	17.68	0-5	5
		1	12	17.81	17.89	17.92	0-5	5
		1	24	17.73	17.72	17.70	0-5	5
		12	0	17.65	17.64	17.60	0-5	5
		12	6	17.73	17.64	17.68	0-5	5
		12	11	17.66	17.66	17.69	0-5	5
		25	0	17.63	17.67	17.63	0-5	5

LTE FDD Band 14 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23330 Ch. 793 MHz		
10 MHz	QPSK	1	0	22.50	0	0
		1	24	22.28	0	0
		1	49	22.53	0	0
		25	0	21.60	0-1	1
		25	12	21.67	0-1	1
		25	24	21.65	0-1	1
		50	0	21.68	0-1	1
	16QAM	1	0	22.00	0-1	1
		1	24	21.73	0-1	1
		1	49	21.82	0-1	1
		25	0	20.62	0-2	2
		25	12	20.73	0-2	2
		25	24	20.70	0-2	2
		50	0	20.61	0-2	2
	64QAM	1	0	20.69	0-2	2
		1	24	20.91	0-2	2
		1	49	20.97	0-2	2
		25	0	19.60	0-3	3
		25	12	19.74	0-3	3
		25	24	19.67	0-3	3
		50	0	19.71	0-3	3
	256QAM	1	0	17.70	0-5	5
		1	24	17.85	0-5	5
		1	49	17.99	0-5	5
		25	0	17.62	0-5	5
		25	12	17.68	0-5	5
		25	24	17.67	0-5	5
		50	0	17.65	0-5	0

LTE FDD Band 14 Reduced Conducted Output Power (Grip back Activated)

LTE FDD Band 14 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23305 Ch.	23330 Ch.	23355 Ch.		
				790.5 MHz	793 MHz	795.5 MHz		
5 MHz	QPSK	1	0	16.09	16.13	16.10	0	0
		1	12	16.08	16.14	16.16	0	0
		1	24	16.07	16.13	16.10	0	0
		12	0	16.16	16.16	16.20	0-1	0
		12	6	16.24	16.18	16.24	0-1	0
		12	11	16.23	16.18	16.18	0-1	0
		25	0	16.21	16.22	16.15	0-1	0
	16QAM	1	0	16.47	16.48	16.46	0-1	0
		1	12	16.32	16.41	16.41	0-1	0
		1	24	16.45	16.44	16.56	0-1	0
		12	0	16.22	16.20	16.19	0-2	0
		12	6	16.26	16.21	16.26	0-2	0
		12	11	16.22	16.30	16.26	0-2	0
		25	0	16.20	16.20	16.16	0-2	0
	64QAM	1	0	16.39	16.25	16.35	0-2	0
		1	12	16.41	16.46	16.42	0-2	0
		1	24	16.37	16.35	16.32	0-2	0
		12	0	16.21	16.18	16.17	0-3	0
		12	6	16.29	16.18	16.22	0-3	0
		12	11	16.19	16.25	16.22	0-3	0
		25	0	16.14	16.20	16.13	0-3	0
	256QAM	1	0	16.24	16.16	16.29	0-5	0
		1	12	16.19	16.38	16.33	0-5	0
		1	24	16.31	16.31	16.16	0-5	0
		12	0	16.15	16.21	16.21	0-5	0
		12	6	16.25	16.15	16.17	0-5	0
		12	11	16.21	16.19	16.19	0-5	0
		25	0	16.20	16.17	16.12	0-5	0

LTE FDD Band 14 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23330 Ch. 793 MHz		
10 MHz	QPSK	1	0	16.19	0	0
		1	24	16.07	0	0
		1	49	16.07	0	0
		25	0	16.17	0-1	0
		25	12	16.30	0-1	0
		25	24	16.13	0-1	0
		50	0	16.25	0-1	0
	16QAM	1	0	16.73	0-1	0
		1	24	16.60	0-1	0
		1	49	16.49	0-1	0
		25	0	16.14	0-2	0
		25	12	16.21	0-2	0
		25	24	16.16	0-2	0
		50	0	16.26	0-2	0
	64QAM	1	0	16.35	0-2	0
		1	24	16.38	0-2	0
		1	49	16.42	0-2	0
		25	0	16.10	0-3	0
		25	12	16.21	0-3	0
		25	24	16.22	0-3	0
		50	0	16.19	0-3	0
	256QAM	1	0	16.37	0-5	0
		1	24	16.37	0-5	0
		1	49	16.46	0-5	0
		25	0	16.15	0-5	0
		25	12	16.29	0-5	0
		25	24	16.18	0-5	0
		50	0	16.21	0-5	0

LTE FDD Band 17 Maximum Conducted Output Power

LTE FDD Band 17 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23755 706.5 MHz	23790 710 MHz	23825 713.5 MHz		
5 MHz	QPSK	1	0	22.90	23.00	22.95	0	0
		1	12	22.98	23.07	23.04	0	0
		1	24	23.05	23.03	22.92	0	0
		12	0	22.06	22.07	22.10	0-1	1
		12	6	22.17	22.15	22.06	0-1	1
		12	11	22.10	22.12	22.02	0-1	1
		25	0	22.12	22.06	22.01	0-1	1
	16QAM	1	0	22.34	22.40	22.38	0-1	1
		1	12	22.21	22.55	22.37	0-1	1
		1	24	22.29	22.48	22.36	0-1	1
		12	0	21.10	21.17	21.14	0-2	2
		12	6	21.16	21.21	21.17	0-2	2
		12	11	21.14	21.18	21.08	0-2	2
		25	0	21.14	21.08	21.00	0-2	2
	64QAM	1	0	21.13	21.20	21.20	0-2	2
		1	12	21.18	21.31	21.28	0-2	2
		1	24	21.31	21.33	21.24	0-2	2
		12	0	20.06	20.17	20.15	0-3	3
		12	6	20.17	20.13	20.16	0-3	3
		12	11	20.17	20.18	20.17	0-3	3
		25	0	20.13	20.13	20.11	0-3	3
	256QAM	1	0	18.02	18.21	18.26	0-5	5
		1	12	18.26	18.15	18.09	0-5	5
		1	24	18.29	18.28	18.14	0-5	5
		12	0	18.10	18.13	18.08	0-5	5
		12	6	18.12	18.11	18.12	0-5	5
		12	11	18.10	18.13	18.08	0-5	5
		25	0	18.05	18.12	18.10	0-5	5

LTE FDD Band 17_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23790 710 MHz		
10 MHz	QPSK	1	0	22.95	0	0
		1	24	22.95	0	0
		1	49	22.98	0	0
		25	0	22.07	0-1	1
		25	12	22.11	0-1	1
		25	24	22.11	0-1	1
		50	0	22.05	0-1	1
	16QAM	1	0	22.58	0-1	1
		1	24	22.32	0-1	1
		1	49	22.39	0-1	1
		25	0	21.14	0-2	2
		25	12	21.02	0-2	2
		25	24	21.12	0-2	2
		50	0	21.09	0-2	2
	64QAM	1	0	21.30	0-2	2
		1	24	21.21	0-2	2
		1	49	21.19	0-2	2
		25	0	20.12	0-3	3
		25	12	20.17	0-3	3
		25	24	20.13	0-3	3
		50	0	20.09	0-3	3
	256QAM	1	0	18.13	0-5	5
		1	24	18.03	0-5	5
		1	49	18.33	0-5	5
		25	0	18.14	0-5	5
		25	12	18.17	0-5	5
		25	24	18.12	0-5	5
		50	0	18.14	0-5	5

LTE FDD Band 17 Conducted Output Power (Grip back Activated)

LTE FDD Band 17 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				23755 706.5 MHz	23790 710 MHz	23825 713.5 MHz		
5 MHz	QPSK	1	0	16.92	17.09	17.04	0	0
		1	12	17.03	17.07	17.02	0	0
		1	24	17.14	17.11	16.99	0	0
		12	0	17.05	17.16	17.15	0-1	0
		12	6	17.15	17.17	17.14	0-1	0
		12	11	17.19	17.13	17.13	0-1	0
		25	0	17.18	17.12	17.09	0-1	0
	16QAM	1	0	17.39	17.48	17.41	0-1	0
		1	12	17.39	17.39	17.32	0-1	0
		1	24	17.46	17.38	17.38	0-1	0
		12	0	17.11	17.18	17.18	0-2	0
		12	6	17.26	17.22	17.25	0-2	0
		12	11	17.22	17.22	17.22	0-2	0
		25	0	17.14	17.15	17.09	0-2	0
	64QAM	1	0	17.20	17.24	17.28	0-2	0
		1	12	17.40	17.40	17.36	0-2	0
		1	24	17.40	17.34	17.30	0-2	0
		12	0	17.18	17.23	17.18	0-3	0
		12	6	17.26	17.25	17.21	0-3	0
		12	11	17.25	17.21	17.15	0-3	0
		25	0	17.17	17.16	17.11	0-3	0
	256QAM	1	0	17.29	17.24	17.21	0-5	0
		1	12	17.27	17.20	17.27	0-5	0
		1	24	17.34	17.29	17.15	0-5	0
		12	0	17.12	17.20	17.15	0-5	0
		12	6	17.21	17.22	17.17	0-5	0
		12	11	17.18	17.17	17.12	0-5	0
		25	0	17.16	17.14	17.11	0-5	0

LTE FDD Band 17_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				23790 710 MHz		
10 MHz	QPSK	1	0	17.13	0	0
		1	24	16.97	0	0
		1	49	17.01	0	0
		25	0	17.11	0-1	0
		25	12	17.07	0-1	0
		25	24	17.18	0-1	0
		50	0	17.03	0-1	0
	16QAM	1	0	17.54	0-1	0
		1	24	17.52	0-1	0
		1	49	17.43	0-1	0
		25	0	17.19	0-2	0
		25	12	17.21	0-2	0
		25	24	17.22	0-2	0
		50	0	17.11	0-2	0
	64QAM	1	0	17.27	0-2	0
		1	24	17.51	0-2	0
		1	49	17.30	0-2	0
		25	0	17.12	0-3	0
		25	12	17.25	0-3	0
		25	24	17.18	0-3	0
		50	0	17.20	0-3	0
	256QAM	1	0	17.18	0-5	0
		1	24	17.05	0-5	0
		1	49	17.25	0-5	0
		25	0	17.14	0-5	0
		25	12	17.19	0-5	0
		25	24	17.18	0-5	0
		50	0	17.14	0-5	0

LTE FDD Band 25 Maximum Conducted Output Power

LTE FDD Band 25 _ 1.4 MHz Bandwidth Conducted Power

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	22.64	22.59	22.54	0	0
		1	3	22.73	22.73	22.66	0	0
		1	5	22.64	22.69	22.61	0	0
		3	0	22.64	22.64	22.62	0	0
		3	1	22.69	22.69	22.59	0	0
		3	3	22.72	22.70	22.59	0	0
		6	0	21.82	21.79	21.69	0-1	1
	16QAM	1	0	21.88	21.87	21.93	0-1	1
		1	3	22.19	22.07	22.07	0-1	1
		1	5	22.04	22.12	21.97	0-1	1
		3	0	21.90	21.85	21.77	0-1	1
		3	1	21.86	21.84	21.85	0-1	1
		3	3	21.91	21.85	21.80	0-1	1
		6	0	20.82	20.80	20.81	0-2	2
	64QAM	1	0	20.93	20.92	20.61	0-2	2
		1	3	21.04	21.04	20.59	0-2	2
		1	5	20.97	20.94	20.43	0-2	2
		3	0	20.85	20.76	20.46	0-2	2
		3	1	20.95	20.87	20.47	0-2	2
		3	3	20.88	20.80	20.35	0-2	2
		6	0	19.85	19.76	19.40	0-3	3
	256QAM	1	0	17.78	17.79	17.78	0-5	5
		1	3	18.00	17.86	17.90	0-5	5
		1	5	17.95	17.86	17.84	0-5	5
		3	0	17.91	17.88	17.83	0-5	5
		3	1	18.00	17.92	17.86	0-5	5
		3	3	17.88	17.87	17.86	0-5	5
		6	0	17.75	17.73	17.68	0-5	5

LTE FDD Band 25 _ 3 MHz Bandwidth Conducted Power

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	22.72	22.60	22.66	0	0
		1	7	22.76	22.84	22.68	0	0
		1	14	22.84	22.78	22.73	0	0
		8	0	21.79	21.76	21.84	0-1	1
		8	3	21.90	21.81	21.85	0-1	1
		8	7	21.93	21.89	21.80	0-1	1
		15	0	21.90	21.88	21.85	0-1	1
	16QAM	1	0	21.94	21.90	22.01	0-1	1
		1	7	21.84	22.00	21.96	0-1	1
		1	14	22.17	22.26	22.04	0-1	1
		8	0	20.90	20.82	20.85	0-2	2
		8	3	20.95	20.95	20.86	0-2	2
		8	7	20.99	20.96	20.91	0-2	2
		15	0	20.87	20.88	20.89	0-2	2
	64QAM	1	0	21.04	20.85	20.85	0-2	2
		1	7	21.02	20.93	20.75	0-2	2
		1	14	21.11	21.04	20.45	0-2	2
		8	0	19.90	19.77	19.75	0-3	3
		8	3	19.94	19.93	19.68	0-3	3
		8	7	19.97	19.93	19.52	0-3	3
		15	0	19.93	19.91	19.65	0-3	3
	256QAM	1	0	17.92	17.82	17.87	0-5	5
		1	7	17.96	17.99	17.98	0-5	5
		1	14	18.01	18.05	17.95	0-5	5
		8	0	17.91	17.75	17.84	0-5	5
		8	3	18.01	17.86	17.88	0-5	5
		8	7	17.97	17.89	17.93	0-5	5
		15	0	17.96	17.84	17.83	0-5	5

LTE FDD Band 25 _ 5 MHz Bandwidth Conducted Power

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	22.77	22.68	22.77	0	0
		1	12	22.84	22.78	22.74	0	0
		1	24	22.82	22.82	22.70	0	0
		12	0	21.80	21.77	21.80	0-1	1
		12	6	21.88	21.80	21.83	0-1	1
		12	11	21.93	21.85	21.83	0-1	1
		25	0	21.91	21.84	21.76	0-1	1
	16QAM	1	0	22.08	21.95	21.99	0-1	1
		1	12	22.04	22.14	22.15	0-1	1
		1	24	22.19	22.15	22.07	0-1	1
		12	0	20.89	20.78	20.83	0-2	2
		12	6	20.98	20.82	20.89	0-2	2
		12	11	20.97	20.92	20.87	0-2	2
		25	0	20.89	20.83	20.87	0-2	2
	64QAM	1	0	21.17	20.97	21.00	0-2	2
		1	12	21.03	21.03	20.99	0-2	2
		1	24	21.03	20.89	20.49	0-2	2
		12	0	19.89	19.78	19.88	0-3	3
		12	6	19.93	19.88	19.82	0-3	3
		12	11	19.95	19.92	19.72	0-3	3
		25	0	19.90	19.88	19.82	0-3	3
	256QAM	1	0	17.92	17.89	17.90	0-5	5
		1	12	17.97	17.91	18.00	0-5	5
		1	24	17.91	17.99	17.97	0-5	5
		12	0	17.88	17.75	17.80	0-5	5
		12	6	17.92	17.78	17.86	0-5	5
		12	11	17.92	17.90	17.85	0-5	5
		25	0	17.85	17.84	17.82	0-5	5

LTE FDD Band 25 _ 10 MHz Bandwidth Conducted Power

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	22.65	22.65	22.68	0	0
		1	24	22.68	22.71	22.71	0	0
		1	49	22.85	22.72	22.65	0	0
		25	0	21.86	21.76	21.74	0-1	1
		25	12	21.92	21.87	21.85	0-1	1
		25	24	21.85	21.88	21.88	0-1	1
		50	0	21.89	21.86	21.76	0-1	1
	16QAM	1	0	22.14	21.98	22.16	0-1	1
		1	24	22.00	22.08	22.22	0-1	1
		1	49	22.24	22.09	22.30	0-1	1
		25	0	20.83	20.81	20.82	0-2	2
		25	12	20.86	20.90	20.80	0-2	2
		25	24	20.77	20.89	20.83	0-2	2
		50	0	20.94	20.84	20.73	0-2	2
	64QAM	1	0	21.03	20.85	20.59	0-2	2
		1	24	21.08	21.06	21.06	0-2	2
		1	49	21.03	21.03	20.66	0-2	2
		25	0	19.86	19.74	19.70	0-3	3
		25	12	19.96	19.88	19.80	0-3	3
		25	24	19.96	19.93	19.84	0-3	3
		50	0	19.89	19.91	19.84	0-3	3
	256QAM	1	0	17.93	17.89	17.88	0-5	5
		1	24	18.09	17.59	17.93	0-5	5
		1	49	18.10	18.07	17.88	0-5	5
		25	0	17.84	17.79	17.82	0-5	5
		25	12	17.97	17.88	17.88	0-5	5
		25	24	17.88	17.83	17.89	0-5	5
		50	0	17.96	17.89	17.77	0-5	5

LTE FDD Band 25 _ 15 MHz Bandwidth Conducted Power

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	22.71	22.79	22.75	0	0
		1	36	22.78	22.75	22.73	0	0
		1	74	22.73	22.79	22.65	0	0
		36	0	21.94	21.85	21.89	0-1	1
		36	18	21.89	21.84	21.88	0-1	1
		36	39	21.90	21.85	21.85	0-1	1
		75	0	21.93	21.86	21.82	0-1	1
	16QAM	1	0	22.00	21.96	22.12	0-1	1
		1	36	22.13	22.12	22.07	0-1	1
		1	74	21.97	22.01	22.07	0-1	1
		36	0	20.98	20.79	20.84	0-2	2
		36	18	20.98	20.83	20.89	0-2	2
		36	39	20.92	20.89	20.89	0-2	2
		75	0	20.89	20.88	20.82	0-2	2
	64QAM	1	0	21.09	20.91	21.02	0-2	2
		1	36	21.02	21.01	21.09	0-2	2
		1	74	21.11	20.97	20.79	0-2	2
		36	0	19.97	19.83	19.87	0-3	3
		36	18	19.98	19.80	19.94	0-3	3
		36	39	19.92	19.87	19.86	0-3	3
		75	0	19.95	19.90	19.80	0-3	3
	256QAM	1	0	17.91	17.86	17.91	0-5	5
		1	36	17.96	17.90	17.91	0-5	5
		1	74	17.90	17.93	17.82	0-5	5
		36	0	18.00	17.86	17.70	0-5	5
		36	18	17.99	17.88	17.86	0-5	5
		36	39	17.83	17.85	17.82	0-5	5
		75	0	17.96	17.92	17.82	0-5	5

LTE FDD Band 25 _ 20 MHz Bandwidth Conducted Power

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	22.79	22.77	22.82	0	0
		1	49	22.70	22.67	22.62	0	0
		1	99	22.76	22.65	22.71	0	0
		50	0	21.82	21.76	21.79	0-1	1
		50	25	21.91	21.87	21.79	0-1	1
		50	49	21.93	21.91	21.89	0-1	1
		100	0	21.91	21.92	21.80	0-1	1
	16QAM	1	0	22.12	22.02	22.17	0-1	1
		1	49	22.12	21.99	22.18	0-1	1
		1	99	22.01	22.02	22.06	0-1	1
		50	0	20.83	20.77	20.78	0-2	2
		50	25	20.95	20.90	20.78	0-2	2
		50	49	20.86	20.93	20.89	0-2	2
		100	0	20.93	20.87	20.87	0-2	2
	64QAM	1	0	21.01	21.03	21.03	0-2	2
		1	49	21.02	21.03	21.02	0-2	2
		1	99	20.97	20.96	20.86	0-2	2
		50	0	19.83	19.91	19.84	0-3	3
		50	25	19.98	19.86	19.85	0-3	3
		50	49	19.89	19.89	19.87	0-3	3
		100	0	19.92	19.88	19.92	0-3	3
	256QAM	1	0	17.85	17.75	17.84	0-5	5
		1	49	17.94	17.93	17.86	0-5	5
		1	99	17.96	17.93	17.85	0-5	5
		50	0	17.83	17.91	17.87	0-5	5
		50	25	17.92	17.89	17.89	0-5	5
		50	49	17.88	17.86	17.89	0-5	5
		100	0	17.92	17.94	17.85	0-5	5

LTE FDD Band 25 Reduced Conducted Output Power (Grip back Activated)

LTE FDD Band 25 _ 1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.95	13.79	13.81	0	0
		1	3	14.03	14.04	13.84	0	0
		1	5	13.98	13.97	13.92	0	0
		3	0	13.96	13.89	13.82	0	0
		3	1	14.00	13.95	13.84	0	0
		3	3	14.00	13.95	13.76	0	0
		6	0	14.05	14.00	13.98	0-1	0
	16QAM	1	0	14.29	14.22	14.05	0-1	0
		1	3	14.46	14.24	14.35	0-1	0
		1	5	14.18	14.35	14.19	0-1	0
		3	0	14.11	14.05	13.99	0-1	0
		3	1	14.11	14.05	14.08	0-1	0
		3	3	14.06	14.01	13.93	0-1	0
		6	0	14.05	13.96	13.90	0-2	0
	64QAM	1	0	13.99	14.06	14.02	0-2	0
		1	3	14.25	14.22	14.21	0-2	0
		1	5	14.12	14.07	14.11	0-2	0
		3	0	13.98	13.97	13.95	0-2	0
		3	1	14.15	14.08	14.00	0-2	0
		3	3	13.99	14.00	14.01	0-2	0
		6	0	14.03	14.00	13.94	0-3	0
	256QAM	1	0	13.95	14.01	13.92	0-5	0
		1	3	14.17	14.13	14.08	0-5	0
		1	5	14.05	14.11	14.02	0-5	0
		3	0	14.03	14.08	14.02	0-5	0
		3	1	14.07	14.09	14.04	0-5	0
		3	3	14.13	14.07	14.05	0-5	0
		6	0	13.99	13.93	13.97	0-5	0

LTE FDD Band 25 _ 3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.02	13.94	13.88	0	0
		1	7	14.06	14.05	13.95	0	0
		1	14	14.04	14.08	14.01	0	0
		8	0	14.10	13.95	13.98	0-1	0
		8	3	14.21	14.11	13.99	0-1	0
		8	7	14.21	14.17	14.01	0-1	0
		15	0	14.12	14.07	14.05	0-1	0
	16QAM	1	0	14.29	14.11	14.25	0-1	0
		1	7	14.42	14.28	14.36	0-1	0
		1	14	14.52	14.45	14.32	0-1	0
		8	0	14.14	13.97	14.04	0-2	0
		8	3	14.24	14.10	14.05	0-2	0
		8	7	14.14	14.12	14.12	0-2	0
		15	0	14.13	14.03	14.02	0-2	0
	64QAM	1	0	14.10	14.03	14.13	0-2	0
		1	7	14.28	14.17	14.19	0-2	0
		1	14	14.34	14.19	14.20	0-2	0
		8	0	14.07	13.93	13.93	0-3	0
		8	3	14.12	14.09	14.09	0-3	0
		8	7	14.14	14.04	14.07	0-3	0
		15	0	14.12	14.05	14.06	0-3	0
	256QAM	1	0	14.09	13.96	14.06	0-5	0
		1	7	14.17	14.21	14.05	0-5	0
		1	14	14.24	14.19	14.18	0-5	0
		8	0	14.03	13.93	14.04	0-5	0
		8	3	14.12	14.13	14.07	0-5	0
		8	7	14.07	14.15	14.12	0-5	0
		15	0	14.10	14.07	14.04	0-5	0

LTE FDD Band 25 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.02	13.95	13.94	0	0
		1	12	13.97	14.10	14.02	0	0
		1	24	14.04	14.07	13.97	0	0
		12	0	14.14	13.98	14.04	0-1	0
		12	6	14.22	14.03	14.08	0-1	0
		12	11	14.14	14.15	14.05	0-1	0
		25	0	14.11	14.09	13.98	0-1	0
	16QAM	1	0	14.37	14.18	14.11	0-1	0
		1	12	14.38	14.32	14.39	0-1	0
		1	24	14.40	14.19	14.33	0-1	0
		12	0	14.05	13.97	14.09	0-2	0
		12	6	14.20	14.03	14.11	0-2	0
		12	11	14.14	14.15	14.09	0-2	0
		25	0	14.10	14.09	14.07	0-2	0
	64QAM	1	0	14.17	14.20	14.24	0-2	0
		1	12	14.17	14.09	14.23	0-2	0
		1	24	14.34	14.17	14.23	0-2	0
		12	0	14.11	13.97	14.01	0-3	0
		12	6	14.13	14.04	14.10	0-3	0
		12	11	14.15	14.07	14.11	0-3	0
		25	0	14.04	14.04	14.06	0-3	0
	256QAM	1	0	14.07	14.02	14.08	0-5	0
		1	12	14.06	14.08	14.25	0-5	0
		1	24	14.11	14.23	14.13	0-5	0
		12	0	14.05	13.95	14.04	0-5	0
		12	6	14.10	13.98	14.06	0-5	0
		12	11	14.13	14.10	14.07	0-5	0
		25	0	14.02	14.03	14.01	0-5	0

LTE FDD Band 25 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.91	13.98	13.94	0	0
		1	24	13.90	13.99	13.70	0	0
		1	49	13.88	14.04	14.01	0	0
		25	0	14.08	14.03	14.00	0-1	0
		25	12	14.18	14.00	14.03	0-1	0
		25	24	14.10	14.18	14.13	0-1	0
		50	0	14.15	14.14	13.92	0-1	0
	16QAM	1	0	14.20	14.15	14.57	0-1	0
		1	24	14.24	14.22	14.38	0-1	0
		1	49	14.36	14.33	14.25	0-1	0
		25	0	14.05	13.92	13.99	0-2	0
		25	12	14.11	14.04	13.97	0-2	0
		25	24	14.17	14.11	14.10	0-2	0
		50	0	14.14	14.03	14.02	0-2	0
	64QAM	1	0	14.17	14.15	14.08	0-2	0
		1	24	13.95	14.24	14.15	0-2	0
		1	49	14.27	14.34	14.22	0-2	0
		25	0	14.01	13.93	13.95	0-3	0
		25	12	14.14	14.07	13.98	0-3	0
		25	24	14.17	14.06	14.10	0-3	0
		50	0	14.07	13.95	13.98	0-3	0
	256QAM	1	0	14.18	13.94	14.10	0-5	0
		1	24	14.25	14.15	14.15	0-5	0
		1	49	14.08	14.14	14.00	0-5	0
		25	0	14.11	14.01	13.98	0-5	0
		25	12	14.15	14.07	13.94	0-5	0
		25	24	14.08	14.05	14.11	0-5	0
		50	0	14.08	14.10	13.96	0-5	0

LTE FDD Band 25 _ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.03	14.09	13.96	0	0
		1	36	13.99	13.97	13.91	0	0
		1	74	14.02	13.98	13.94	0	0
		36	0	14.20	14.12	14.02	0-1	0
		36	18	14.18	14.02	14.14	0-1	0
		36	39	14.11	14.15	14.09	0-1	0
		75	0	14.14	14.11	14.05	0-1	0
	16QAM	1	0	14.36	14.27	14.43	0-1	0
		1	36	14.20	13.99	14.17	0-1	0
		1	74	14.11	14.19	14.17	0-1	0
		36	0	14.09	13.97	14.00	0-2	0
		36	18	14.09	14.00	14.07	0-2	0
		36	39	14.05	14.05	14.01	0-2	0
		75	0	14.14	14.07	13.98	0-2	0
	64QAM	1	0	14.17	14.20	14.18	0-2	0
		1	36	14.17	14.23	14.20	0-2	0
		1	74	14.22	14.16	14.11	0-2	0
		36	0	14.07	14.03	14.05	0-3	0
		36	18	14.13	14.00	14.15	0-3	0
		36	39	14.13	14.00	14.05	0-3	0
		75	0	14.12	14.04	13.91	0-3	0
	256QAM	1	0	14.04	13.87	14.03	0-5	0
		1	36	14.19	14.02	14.15	0-5	0
		1	74	14.28	14.25	14.13	0-5	0
		36	0	14.07	13.97	13.94	0-5	0
		36	18	14.10	14.01	14.10	0-5	0
		36	39	14.08	14.04	14.02	0-5	0
		75	0	14.06	14.02	13.95	0-5	0

LTE FDD Band 25 _ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	14.06	14.04	14.08	0	0
		1	49	14.08	13.97	13.88	0	0
		1	99	13.98	13.85	14.01	0	0
		50	0	14.12	14.11	14.03	0-1	0
		50	25	14.20	14.15	14.02	0-1	0
		50	49	14.11	14.14	14.11	0-1	0
		100	0	14.17	14.15	14.11	0-1	0
	16QAM	1	0	14.44	14.46	14.62	0-1	0
		1	49	14.21	14.07	14.00	0-1	0
		1	99	14.13	14.11	14.02	0-1	0
		50	0	14.08	13.97	13.96	0-2	0
		50	25	14.12	13.99	13.93	0-2	0
		50	49	14.06	14.06	14.12	0-2	0
		100	0	14.01	14.00	14.07	0-2	0
	64QAM	1	0	14.25	14.16	14.18	0-2	0
		1	49	14.25	14.26	14.21	0-2	0
		1	99	14.23	14.26	14.08	0-2	0
		50	0	14.03	14.05	14.06	0-3	0
		50	25	14.16	14.10	14.02	0-3	0
		50	49	14.17	14.06	14.10	0-3	0
		100	0	14.15	14.03	13.95	0-3	0
	256QAM	1	0	14.13	13.88	14.13	0-5	0
		1	49	14.15	13.99	14.10	0-5	0
		1	99	14.14	14.11	14.06	0-5	0
		50	0	14.01	13.96	14.00	0-5	0
		50	25	14.06	14.02	13.92	0-5	0
		50	49	13.98	13.99	14.06	0-5	0
		100	0	14.12	14.05	14.02	0-5	0

LTE FDD Band 26 Maximum Conducted Output Power

LTE FDD Band 26 _ 1.4 MHz Bandwidth Conducted Power

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		
1.4 MHz	QPSK	1	0	22.63	22.49	22.44	0	0
		1	3	22.76	22.54	22.44	0	0
		1	5	22.73	22.44	22.30	0	0
		3	0	22.70	22.54	22.42	0	0
		3	1	22.84	22.54	22.44	0	0
		3	3	22.78	22.50	22.38	0	0
		6	0	21.87	21.60	21.45	0-1	1
	16QAM	1	0	22.06	21.94	21.75	0-1	1
		1	3	22.14	22.00	21.69	0-1	1
		1	5	22.07	21.89	21.60	0-1	1
		3	0	21.85	21.76	21.64	0-1	1
		3	1	22.14	21.77	21.74	0-1	1
		3	3	21.88	21.67	21.55	0-1	1
		6	0	20.98	20.58	20.54	0-2	2
	64QAM	1	0	20.24	20.84	20.09	0-2	2
		1	3	20.40	20.94	20.01	0-2	2
		1	5	20.35	20.73	20.03	0-2	2
		3	0	20.15	20.72	20.08	0-2	2
		3	1	20.20	20.78	20.08	0-2	2
		3	3	20.23	20.65	20.13	0-2	2
		6	0	19.14	19.62	19.03	0-3	3
	256QAM	1	0	17.90	17.74	17.64	0-5	5
		1	3	18.01	17.77	17.69	0-5	5
		1	5	17.91	17.73	17.52	0-5	5
		3	0	17.96	17.71	17.61	0-5	5
		3	1	18.00	17.80	17.62	0-5	5
		3	3	17.90	17.73	17.61	0-5	5
		6	0	17.83	17.60	17.56	0-5	5

LTE FDD Band 26 _ 3 MHz Bandwidth Conducted Power

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	22.76	22.64	22.57	0	0
		1	7	22.77	22.59	22.50	0	0
		1	14	22.71	22.58	22.45	0	0
		8	0	21.95	21.63	21.57	0-1	1
		8	3	21.95	21.66	21.59	0-1	1
		8	7	21.86	21.61	21.44	0-1	1
		15	0	21.85	21.65	21.55	0-1	1
	16QAM	1	0	22.17	21.91	21.90	0-1	1
		1	7	22.19	22.00	21.76	0-1	1
		1	14	22.18	22.01	21.79	0-1	1
		8	0	21.02	20.72	20.68	0-2	2
		8	3	21.02	20.81	20.71	0-2	2
		8	7	20.90	20.76	20.61	0-2	2
		15	0	20.98	20.72	20.60	0-2	2
	64QAM	1	0	20.36	20.89	20.58	0-2	2
		1	7	20.56	20.74	20.36	0-2	2
		1	14	20.59	20.79	20.08	0-2	2
		8	0	19.28	19.63	19.39	0-3	3
		8	3	19.37	19.70	19.31	0-3	3
		8	7	19.59	19.65	19.13	0-3	3
		15	0	19.38	19.71	19.26	0-3	3
	256QAM	1	0	18.09	17.80	17.80	0-5	5
		1	7	18.12	17.84	17.65	0-5	5
		1	14	18.03	17.65	17.62	0-5	5
		8	0	17.98	17.70	17.64	0-5	5
		8	3	17.99	17.82	17.68	0-5	5
		8	7	17.91	17.69	17.58	0-5	5
		15	0	17.99	17.71	17.60	0-5	5

LTE FDD Band 26_5 MHz Bandwidth Conducted Power

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	22.87	22.56	22.52	0	0
		1	12	22.80	22.72	22.55	0	0
		1	24	22.68	22.55	22.44	0	0
		12	0	21.93	21.68	21.60	0-1	1
		12	6	21.92	21.71	21.65	0-1	1
		12	11	21.88	21.63	21.59	0-1	1
		25	0	21.95	21.71	21.52	0-1	1
	16QAM	1	0	22.20	21.93	21.80	0-1	1
		1	12	22.30	22.06	21.80	0-1	1
		1	24	21.87	21.90	21.76	0-1	1
		12	0	21.00	20.68	20.69	0-2	2
		12	6	21.00	20.80	20.65	0-2	2
		12	11	20.85	20.74	20.59	0-2	2
		25	0	20.98	20.67	20.53	0-2	2
	64QAM	1	0	20.41	20.91	20.61	0-2	2
		1	12	20.65	20.87	20.60	0-2	2
		1	24	20.66	20.77	20.15	0-2	2
		12	0	19.37	19.74	19.52	0-3	3
		12	6	19.47	19.75	19.48	0-3	3
		12	11	19.52	19.73	19.36	0-3	3
		25	0	19.42	19.67	19.33	0-3	3
	256QAM	1	0	18.06	17.88	17.81	0-5	5
		1	12	18.02	17.85	17.66	0-5	5
		1	24	17.88	17.73	17.66	0-5	5
		12	0	18.00	17.74	17.65	0-5	5
		12	6	17.98	17.74	17.71	0-5	5
		12	11	17.91	17.68	17.61	0-5	5
		25	0	17.94	17.67	17.58	0-5	5

LTE FDD Band 26 _ 10 MHz Bandwidth Conducted Power

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	22.86	22.60	22.56	0	0
		1	24	22.78	22.39	22.33	0	0
		1	49	22.65	22.44	22.40	0	0
		25	0	21.89	21.59	21.60	0-1	1
		25	12	21.86	21.71	21.66	0-1	1
		25	24	21.77	21.65	21.55	0-1	1
		50	0	21.94	21.71	21.59	0-1	1
	16QAM	1	0	22.37	22.24	22.23	0-1	1
		1	24	22.15	21.89	22.03	0-1	1
		1	49	22.06	21.95	22.05	0-1	1
		25	0	20.88	20.66	20.64	0-2	2
		25	12	20.90	20.65	20.62	0-2	2
		25	24	20.68	20.65	20.52	0-2	2
		50	0	20.90	20.66	20.56	0-2	2
	64QAM	1	0	20.61	20.71	20.76	0-2	2
		1	24	20.93	20.89	20.64	0-2	2
		1	49	20.97	20.85	20.10	0-2	2
		25	0	19.52	19.70	19.63	0-3	3
		25	12	19.77	19.69	19.55	0-3	3
		25	24	19.83	19.66	19.37	0-3	3
		50	0	19.63	19.73	19.52	0-3	3
	256QAM	1	0	17.96	17.79	17.60	0-5	5
		1	24	18.04	17.59	17.87	0-5	5
		1	49	17.90	17.73	17.70	0-5	5
		25	0	17.93	17.72	17.65	0-5	5
		25	12	17.89	17.69	17.79	0-5	5
		25	24	17.87	17.67	17.50	0-5	5
		50	0	17.92	17.70	17.59	0-5	5

LTE FDD Band 26 _ 15 MHz Bandwidth Conducted Power

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	22.62	0	0
		1	36	22.41	0	0
		1	74	22.47	0	0
		36	0	21.68	0-1	1
		36	18	21.72	0-1	1
		36	39	21.51	0-1	1
		75	0	21.72	0-1	1
	16QAM	1	0	22.10	0-1	1
		1	36	21.98	0-1	1
		1	74	21.84	0-1	1
		36	0	20.71	0-2	2
		36	18	20.70	0-2	2
		36	39	20.62	0-2	2
		75	0	20.68	0-2	2
	64QAM	1	0	20.98	0-2	2
		1	36	20.80	0-2	2
		1	74	20.74	0-2	2
		36	0	19.75	0-3	3
		36	18	19.72	0-3	3
		36	39	19.65	0-3	3
		75	0	19.74	0-3	3
	256QAM	1	0	17.76	0-5	5
		1	36	17.63	0-5	5
		1	74	17.56	0-5	5
		36	0	17.66	0-5	5
		36	18	17.70	0-5	5
		36	39	17.57	0-5	5
		75	0	17.69	0-5	5

LTE FDD Band 26 Reduced Conducted Output Power (Grip back Activated)

LTE FDD Band 26 _ 1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				26705 Ch. 815.5 MHz	26865 Ch. 831.5 MHz	27025 Ch. 847.5 MHz		
1.4 MHz	QPSK	1	0	16.00	15.72	15.60	0	0
		1	3	16.04	15.77	15.68	0	0
		1	5	15.92	15.73	15.63	0	0
		3	0	15.96	15.78	15.61	0	0
		3	1	16.04	15.78	15.68	0	0
		3	3	16.02	15.74	15.54	0	0
		6	0	16.13	15.82	15.67	0-1	0
	16QAM	1	0	16.27	16.23	15.95	0-1	0
		1	3	16.33	16.10	15.89	0-1	0
		1	5	16.32	16.11	15.78	0-1	0
		3	0	16.19	16.00	15.87	0-1	0
		3	1	16.25	15.94	15.91	0-1	0
		3	3	16.18	15.96	15.85	0-1	0
		6	0	16.18	15.91	15.80	0-2	0
	64QAM	1	0	16.26	16.02	15.89	0-2	0
		1	3	16.28	16.15	16.02	0-2	0
		1	5	16.18	16.07	15.82	0-2	0
		3	0	16.18	15.96	15.76	0-2	0
		3	1	16.22	15.98	15.92	0-2	0
		3	3	16.13	15.93	15.78	0-2	0
		6	0	16.11	15.89	15.77	0-3	0
	256QAM	1	0	16.06	15.96	15.88	0-5	0
		1	3	16.30	16.02	15.89	0-5	0
		1	5	16.13	15.83	15.78	0-5	0
		3	0	16.15	15.98	15.82	0-5	0
		3	1	16.28	16.01	15.92	0-5	0
		3	3	16.18	15.94	15.81	0-5	0
		6	0	16.07	15.85	15.75	0-5	0

LTE FDD Band 26 _ 3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	16.08	15.82	15.78	0	0
		1	7	16.03	15.87	15.73	0	0
		1	14	16.00	15.83	15.64	0	0
		8	0	16.21	15.84	15.85	0-1	0
		8	3	16.22	15.94	15.83	0-1	0
		8	7	16.11	15.89	15.78	0-1	0
		15	0	16.18	15.95	15.82	0-1	0
	16QAM	1	0	16.31	16.17	16.13	0-1	0
		1	7	16.34	16.14	16.08	0-1	0
		1	14	16.32	16.14	15.91	0-1	0
		8	0	16.33	15.99	15.91	0-2	0
		8	3	16.34	16.12	15.95	0-2	0
		8	7	16.26	15.94	15.94	0-2	0
		15	0	16.22	15.90	15.74	0-2	0
	64QAM	1	0	16.25	16.10	15.91	0-2	0
		1	7	16.27	16.13	15.95	0-2	0
		1	14	16.20	16.08	15.98	0-2	0
		8	0	16.24	15.94	15.83	0-3	0
		8	3	16.20	15.96	15.95	0-3	0
		8	7	16.12	15.90	15.74	0-3	0
		15	0	16.22	16.11	15.85	0-3	0
	256QAM	1	0	16.23	16.01	15.98	0-5	0
		1	7	16.28	15.99	15.99	0-5	0
		1	14	16.15	15.92	15.83	0-5	0
		8	0	16.23	15.87	15.94	0-5	0
		8	3	16.23	15.98	15.97	0-5	0
		8	7	16.17	15.97	15.82	0-5	0
		15	0	16.20	15.96	15.81	0-5	0

LTE FDD Band 26 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	16.14	15.77	15.71	0	0
		1	12	16.01	15.88	15.77	0	0
		1	24	15.89	15.77	15.65	0	0
		12	0	16.11	15.95	15.79	0-1	0
		12	6	16.16	15.92	15.83	0-1	0
		12	11	16.16	15.85	15.76	0-1	0
		25	0	16.11	15.95	15.79	0-1	0
	16QAM	1	0	16.51	16.24	16.08	0-1	0
		1	12	16.33	16.16	16.22	0-1	0
		1	24	16.37	16.25	15.94	0-1	0
		12	0	16.24	15.98	15.89	0-2	0
		12	6	16.18	16.02	15.93	0-2	0
		12	11	16.13	16.01	15.88	0-2	0
		25	0	16.15	15.96	15.81	0-2	0
	64QAM	1	0	16.32	16.09	15.98	0-2	0
		1	12	16.37	16.14	16.00	0-2	0
		1	24	16.19	16.10	15.92	0-2	0
		12	0	16.21	15.98	15.87	0-3	0
		12	6	16.23	16.01	15.96	0-3	0
		12	11	16.19	15.91	15.89	0-3	0
		25	0	16.11	15.91	15.85	0-3	0
	256QAM	1	0	16.24	16.11	15.93	0-5	0
		1	12	16.34	16.10	15.92	0-5	0
		1	24	16.18	15.92	15.87	0-5	0
		12	0	16.12	15.98	15.84	0-5	0
		12	6	16.17	15.94	15.92	0-5	0
		12	11	16.15	15.86	15.84	0-5	0
		25	0	16.18	15.97	15.83	0-5	0

LTE FDD Band 26 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	16.19	15.89	15.87	0	0
		1	24	16.03	15.83	15.80	0	0
		1	49	15.79	15.72	15.62	0	0
		25	0	16.08	15.89	15.81	0-1	0
		25	12	16.09	15.92	15.90	0-1	0
		25	24	16.03	15.89	15.83	0-1	0
		50	0	16.08	15.94	15.77	0-1	0
	16QAM	1	0	16.53	16.20	16.23	0-1	0
		1	24	16.47	16.36	16.24	0-1	0
		1	49	16.26	16.26	16.22	0-1	0
		25	0	16.13	15.91	15.78	0-2	0
		25	12	16.08	16.01	15.89	0-2	0
		25	24	15.96	15.67	15.80	0-2	0
		50	0	16.17	15.94	15.76	0-2	0
	64QAM	1	0	16.23	16.19	16.07	0-2	0
		1	24	16.47	15.98	16.11	0-2	0
		1	49	16.16	15.82	15.99	0-2	0
		25	0	16.23	15.92	15.87	0-3	0
		25	12	16.16	16.01	15.94	0-3	0
		25	24	16.05	15.83	15.85	0-3	0
		50	0	16.06	15.96	15.84	0-3	0
	256QAM	1	0	16.34	15.85	15.99	0-5	0
		1	24	16.07	16.16	16.08	0-5	0
		1	49	16.24	16.00	15.89	0-5	0
		25	0	16.11	15.96	15.77	0-5	0
		25	12	16.15	16.00	15.96	0-5	0
		25	24	16.06	15.88	15.87	0-5	0
		50	0	16.05	15.90	15.84	0-5	0

LTE FDD Band 26 _ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]	MPR Allowed Per 3GPP [dB]	MPR [dB]
				26865 Ch. 831.5 MHz		
15 MHz	QPSK	1	0	15.75	0	0
		1	36	15.71	0	0
		1	74	15.70	0	0
		36	0	15.95	0-1	0
		36	18	15.97	0-1	0
		36	39	15.91	0-1	0
		75	0	15.96	0-1	0
	16QAM	1	0	16.39	0-1	0
		1	36	16.11	0-1	0
		1	74	16.11	0-1	0
		36	0	16.01	0-2	0
		36	18	15.86	0-2	0
		36	39	15.89	0-2	0
		75	0	15.93	0-2	0
	64QAM	1	0	16.05	0-2	0
		1	36	15.97	0-2	0
		1	74	16.04	0-2	0
		36	0	15.97	0-3	0
		36	18	15.92	0-3	0
		36	39	15.92	0-3	0
		75	0	15.97	0-3	0
	256QAM	1	0	16.06	0-5	0
		1	36	15.98	0-5	0
		1	74	15.97	0-5	0
		36	0	15.95	0-5	0
		36	18	15.95	0-5	0
		36	39	15.81	0-5	0
		75	0	15.96	0-5	0

LTE TDD Band 38 Maximum Conducted Output Power

LTE TDD Band 38 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37775 Ch. 2572.5 MHz	38000 Ch. 2595 MHz	38225 Ch. 2617.5 MHz		
5 MHz	QPSK	1	0	22.97	23.02	22.87	0	0
		1	12	22.91	23.00	22.79	0	0
		1	24	22.92	22.94	22.75	0	0
		12	0	22.09	22.00	21.91	0-1	1
		12	6	22.06	22.05	21.90	0-1	1
		12	11	22.09	22.09	21.89	0-1	1
		25	0	22.05	22.03	21.89	0-1	1
	16QAM	1	0	22.12	22.07	21.92	0-1	1
		1	12	22.12	22.11	21.93	0-1	1
		1	24	22.05	22.10	21.84	0-1	1
		12	0	21.02	20.98	20.83	0-2	2
		12	6	21.04	20.99	20.86	0-2	2
		12	11	20.98	20.98	20.79	0-2	2
		25	0	21.11	21.09	20.92	0-2	2
	64QAM	1	0	20.76	20.72	20.58	0-2	2
		1	12	20.70	20.74	20.50	0-2	2
		1	24	20.73	20.75	20.52	0-2	2
		12	0	20.03	20.04	19.84	0-3	3
		12	6	20.05	19.99	19.84	0-3	3
		12	11	20.04	20.03	19.83	0-3	3
		25	0	20.06	20.02	19.88	0-3	3
	256QAM	1	0	18.00	17.91	17.80	0-5	5
		1	12	17.95	17.94	17.72	0-5	5
		1	24	17.91	17.91	17.70	0-5	5
		12	0	18.23	18.21	18.04	0-5	5
		12	6	18.21	18.17	18.06	0-5	5
		12	11	18.21	18.21	17.99	0-5	5
		25	0	18.16	18.08	17.94	0-5	5

LTE TDD Band 38_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37800 Ch. 2575 MHz	38000 Ch. 2595 MHz	38200 Ch. 2615 MHz		
10 MHz	QPSK	1	0	23.07	23.01	22.88	0	0
		1	24	22.94	23.03	22.86	0	0
		1	49	23.01	22.95	22.77	0	0
		25	0	22.09	22.05	21.89	0-1	1
		25	12	22.10	22.05	21.87	0-1	1
		25	24	22.05	22.08	21.88	0-1	1
		50	0	22.08	22.05	21.86	0-1	1
	16QAM	1	0	22.23	22.18	22.00	0-1	1
		1	24	22.15	22.14	21.99	0-1	1
		1	49	22.13	22.08	21.93	0-1	1
		25	0	21.13	21.09	20.90	0-2	2
		25	12	21.12	21.00	20.87	0-2	2
		25	24	21.07	21.07	20.89	0-2	2
		50	0	21.11	21.07	20.91	0-2	2
	64QAM	1	0	20.80	20.74	20.55	0-2	2
		1	24	20.69	20.73	20.51	0-2	2
		1	49	20.71	20.67	20.49	0-2	2
		25	0	20.12	20.12	19.89	0-3	3
		25	12	20.15	20.08	19.85	0-3	3
		25	24	20.10	20.08	19.93	0-3	3
		50	0	20.18	20.11	19.96	0-3	3
	256QAM	1	0	17.99	17.94	17.76	0-5	5
		1	24	17.93	17.94	17.73	0-5	5
		1	49	17.92	17.90	17.70	0-5	5
		25	0	18.19	18.18	18.03	0-5	5
		25	12	18.16	18.14	17.93	0-5	5
		25	24	18.15	18.21	17.98	0-5	5
		50	0	18.21	18.15	17.99	0-5	5

LTE TDD Band 38 _ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37825 Ch. 2577.5 MHz	38000 Ch. 2595 MHz	38175 Ch. 2612.5 MHz		
15 MHz	QPSK	1	0	22.94	23.03	22.91	0	0
		1	36	22.81	22.94	22.77	0	0
		1	74	22.86	22.87	22.71	0	0
		36	0	22.05	22.11	21.98	0-1	1
		36	18	22.11	22.03	21.98	0-1	1
		36	39	22.06	22.05	21.92	0-1	1
		75	0	22.11	22.04	21.88	0-1	1
	16QAM	1	0	22.08	22.12	21.97	0-1	1
		1	36	21.93	21.98	21.84	0-1	1
		1	74	21.86	21.95	21.79	0-1	1
		36	0	21.12	21.06	20.93	0-2	2
		36	18	21.15	21.00	20.91	0-2	2
		36	39	20.99	21.02	20.87	0-2	2
		75	0	21.11	21.03	20.91	0-2	2
	64QAM	1	0	20.70	20.74	20.63	0-2	2
		1	36	20.70	20.71	20.58	0-2	2
		1	74	20.64	20.63	20.47	0-2	2
		36	0	20.13	20.11	20.01	0-3	3
		36	18	20.13	20.07	19.99	0-3	3
		36	39	20.07	20.08	19.91	0-3	3
		75	0	20.14	20.05	19.96	0-3	3
	256QAM	1	0	17.90	17.98	17.90	0-5	5
		1	36	17.84	17.86	17.70	0-5	5
		1	74	17.92	17.88	17.74	0-5	5
		36	0	18.12	18.10	18.02	0-5	5
		36	18	18.17	18.08	18.03	0-5	5
		36	39	18.12	18.12	17.94	0-5	5
		75	0	18.17	18.08	17.95	0-5	5

LTE TDD Band 38 _ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37850 2580 MHz	38000 Ch. 2595 MHz	38150 2610 MHz		
20 MHz	QPSK	1	0	22.99	23.03	22.96	0	0
		1	49	22.93	22.93	22.81	0	0
		1	99	22.81	22.81	22.68	0	0
		50	0	22.06	22.11	22.10	0-1	1
		50	25	22.12	22.04	22.00	0-1	1
		50	49	22.06	22.06	21.95	0-1	1
		100	0	22.10	22.06	22.03	0-1	1
	16QAM	1	0	22.12	22.19	22.00	0-1	1
		1	49	22.01	21.99	21.85	0-1	1
		1	99	21.95	21.93	21.78	0-1	1
		50	0	21.10	21.13	21.03	0-2	2
		50	25	21.15	21.06	21.04	0-2	2
		50	49	21.10	21.09	20.94	0-2	2
		100	0	21.14	21.12	21.06	0-2	2
	64QAM	1	0	20.74	20.75	20.66	0-2	2
		1	49	20.67	20.67	20.56	0-2	2
		1	99	20.62	20.54	20.48	0-2	2
		50	0	20.15	20.20	20.07	0-3	3
		50	25	20.19	20.13	20.09	0-3	3
		50	49	20.15	20.13	19.98	0-3	3
		100	0	20.15	20.09	20.04	0-3	3
	256QAM	1	0	18.02	18.07	17.98	0-5	5
		1	49	17.87	17.90	17.78	0-5	5
		1	99	17.86	17.87	17.73	0-5	5
		50	0	18.17	18.21	18.12	0-5	5
		50	25	18.23	18.17	18.12	0-5	5
		50	49	18.22	18.17	18.03	0-5	5
		100	0	18.16	18.11	18.05	0-5	5

LTE TDD Band 38 Reduced Conducted Output Power (Grip back Activated)

LTE TDD Band 38 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37775 Ch. 2572.5 MHz	38000 Ch. 2595 MHz	38225 Ch. 2617.5 MHz		
5 MHz	QPSK	1	0	15.50	15.54	15.38	0	0
		1	12	15.47	15.55	15.34	0	0
		1	24	15.45	15.49	15.24	0	0
		12	0	15.60	15.59	15.40	0-1	0
		12	6	15.62	15.55	15.45	0-1	0
		12	11	15.59	15.58	15.38	0-1	0
		25	0	15.59	15.53	15.43	0-1	0
	16QAM	1	0	15.66	15.66	15.50	0-1	0
		1	12	15.84	15.89	15.66	0-1	0
		1	24	15.60	15.64	15.42	0-1	0
		12	0	15.51	15.48	15.32	0-2	0
		12	6	15.52	15.49	15.32	0-2	0
		12	11	15.51	15.52	15.32	0-2	0
		25	0	15.65	15.59	15.45	0-2	0
	64QAM	1	0	15.16	15.12	14.96	0-2	0
		1	12	15.13	15.19	15.01	0-2	0
		1	24	15.11	15.15	14.90	0-2	0
		12	0	15.55	15.52	15.39	0-3	0
		12	6	15.55	15.54	15.37	0-3	0
		12	11	15.56	15.56	15.34	0-3	0
		25	0	15.57	15.55	15.40	0-3	0
	256QAM	1	0	15.33	15.29	15.15	0-5	0
		1	12	15.28	15.33	15.08	0-5	0
		1	24	15.29	15.30	15.07	0-5	0
		12	0	15.67	15.65	15.52	0-5	0
		12	6	15.71	15.70	15.52	0-5	0
		12	11	15.67	15.71	15.47	0-5	0
		25	0	15.65	15.61	15.49	0-5	0

LTE TDD Band 38 _ 10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37800 Ch. 2575 MHz	38000 Ch. 2595 MHz	38200 Ch. 2615 MHz		
10 MHz	QPSK	1	0	15.67	15.59	15.48	0	0
		1	24	15.52	15.60	15.45	0	0
		1	49	15.58	15.54	15.37	0	0
		25	0	15.65	15.62	15.41	0-1	0
		25	12	15.62	15.61	15.41	0-1	0
		25	24	15.61	15.61	15.45	0-1	0
		50	0	15.61	15.58	15.41	0-1	0
	16QAM	1	0	15.73	15.72	15.53	0-1	0
		1	24	15.64	15.66	15.48	0-1	0
		1	49	15.65	15.58	15.42	0-1	0
		25	0	15.67	15.61	15.40	0-2	0
		25	12	15.64	15.60	15.42	0-2	0
		25	24	15.60	15.58	15.43	0-2	0
		50	0	15.71	15.63	15.45	0-2	0
	64QAM	1	0	15.25	15.17	15.02	0-2	0
		1	24	15.12	15.16	14.98	0-2	0
		1	49	15.16	15.12	14.93	0-2	0
		25	0	15.65	15.59	15.42	0-3	0
		25	12	15.57	15.56	15.39	0-3	0
		25	24	15.60	15.63	15.36	0-3	0
		50	0	15.69	15.63	15.44	0-3	0
	256QAM	1	0	15.42	15.36	15.23	0-5	0
		1	24	15.32	15.33	15.13	0-5	0
		1	49	15.35	15.38	15.11	0-5	0
		25	0	15.73	15.70	15.53	0-5	0
		25	12	15.73	15.68	15.52	0-5	0
		25	24	15.68	15.70	15.52	0-5	0
		50	0	15.73	15.64	15.49	0-5	0

LTE TDD Band 38 _ 15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37825 Ch. 2577.5 MHz	38000 Ch. 2595 MHz	38175 Ch. 2612.5 MHz		
15 MHz	QPSK	1	0	15.53	15.63	15.50	0	0
		1	36	15.49	15.51	15.38	0	0
		1	74	15.45	15.43	15.32	0	0
		36	0	15.58	15.63	15.48	0-1	0
		36	18	15.65	15.54	15.49	0-1	0
		36	39	15.58	15.57	15.42	0-1	0
		75	0	15.63	15.57	15.41	0-1	0
	16QAM	1	0	15.47	15.50	15.38	0-1	0
		1	36	15.31	15.34	15.18	0-1	0
		1	74	15.36	15.33	15.14	0-1	0
		36	0	15.53	15.55	15.41	0-2	0
		36	18	15.55	15.48	15.40	0-2	0
		36	39	15.49	15.50	15.34	0-2	0
		75	0	15.61	15.54	15.40	0-2	0
	64QAM	1	0	15.18	15.21	15.09	0-2	0
		1	36	15.21	15.21	15.05	0-2	0
		1	74	15.09	15.11	14.92	0-2	0
		36	0	15.59	15.66	15.49	0-3	0
		36	18	15.63	15.57	15.48	0-3	0
		36	39	15.58	15.59	15.42	0-3	0
		75	0	15.67	15.59	15.46	0-3	0
	256QAM	1	0	15.39	15.46	15.33	0-5	0
		1	36	15.34	15.35	15.20	0-5	0
		1	74	15.38	15.35	15.21	0-5	0
		36	0	15.59	15.63	15.49	0-5	0
		36	18	15.63	15.58	15.49	0-5	0
		36	39	15.61	15.57	15.41	0-5	0
		75	0	15.66	15.61	15.44	0-5	0

LTE TDD Band 38 _ 20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				37850 2580 MHz	38000 Ch. 2595 MHz	38150 2610 MHz		
20 MHz	QPSK	1	0	15.53	15.63	15.56	0	0
		1	49	15.42	15.51	15.41	0	0
		1	99	15.35	15.41	15.31	0	0
		50	0	15.60	15.63	15.52	0-1	0
		50	25	15.62	15.55	15.55	0-1	0
		50	49	15.58	15.56	15.47	0-1	0
		100	0	15.65	15.58	15.55	0-1	0
	16QAM	1	0	15.44	15.50	15.59	0-1	0
		1	49	15.37	15.37	15.25	0-1	0
		1	99	15.30	15.30	15.12	0-1	0
		50	0	15.59	15.66	15.54	0-2	0
		50	25	15.64	15.60	15.53	0-2	0
		50	49	15.60	15.57	15.47	0-2	0
		100	0	15.67	15.61	15.56	0-2	0
	64QAM	1	0	15.20	15.26	15.17	0-2	0
		1	49	15.13	15.18	15.00	0-2	0
		1	99	15.09	15.06	14.94	0-2	0
		50	0	15.67	15.71	15.59	0-3	0
		50	25	15.69	15.64	15.62	0-3	0
		50	49	15.63	15.65	15.50	0-3	0
		100	0	15.65	15.61	15.56	0-3	0
	256QAM	1	0	15.51	15.52	15.47	0-5	0
		1	49	15.29	15.33	15.21	0-5	0
		1	99	15.36	15.31	15.20	0-5	0
		50	0	15.67	15.69	15.59	0-5	0
		50	25	15.68	15.64	15.59	0-5	0
		50	49	15.64	15.64	15.53	0-5	0
		100	0	15.68	15.64	15.56	0-5	0

LTE TDD Band 41 Maximum Conducted Output Power

LTE TDD Band 41 _ 5 MHz Bandwidth Conducted Power - 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	22.84	22.72	22.94	22.70	22.81	0	0
		1	12	22.93	22.78	22.98	22.72	22.86	0	0
		1	24	22.84	22.77	22.92	22.69	22.83	0	0
		12	0	21.91	21.89	21.99	21.88	21.93	0-1	1
		12	6	21.93	21.92	22.08	21.88	21.95	0-1	1
		12	11	21.91	21.89	22.01	21.84	21.97	0-1	1
		25	0	21.92	21.91	22.05	21.85	21.91	0-1	1
	16QAM	1	0	21.86	21.87	21.95	21.81	21.93	0-1	1
		1	12	21.90	21.97	22.09	21.91	22.02	0-1	1
		1	24	21.84	21.86	21.98	21.84	21.94	0-1	1
		12	0	20.87	20.84	20.95	20.82	20.84	0-2	2
		12	6	20.91	20.88	20.99	20.84	20.89	0-2	2
		12	11	20.87	20.82	20.97	20.76	20.89	0-2	2
		25	0	20.96	20.95	21.08	20.88	20.97	0-2	2
	64QAM	1	0	20.61	20.54	20.65	20.48	20.57	0-2	2
		1	12	20.56	20.55	20.68	20.45	20.63	0-2	2
		1	24	20.60	20.55	20.66	20.46	20.63	0-2	2
		12	0	19.88	19.89	19.96	19.84	19.90	0-3	3
		12	6	19.95	19.91	20.03	19.85	19.93	0-3	3
		12	11	19.90	19.86	20.00	19.83	19.97	0-3	3
		25	0	19.94	19.93	20.02	19.85	19.93	0-3	3
	256QAM	1	0	17.77	17.81	17.89	17.61	17.84	0-5	5
		1	12	17.78	17.80	17.89	17.67	17.85	0-5	5
		1	24	17.75	17.82	17.88	17.58	17.82	0-5	5
		12	0	18.06	18.08	18.13	17.98	18.05	0-5	5
		12	6	18.05	18.07	18.22	17.96	18.04	0-5	5
		12	11	18.00	18.06	18.20	17.94	18.10	0-5	5
		25	0	17.97	18.01	18.14	17.88	18.01	0-5	5

LTE TDD Band 41 _ 10 MHz Bandwidth Conducted Power - 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	22.80	22.77	22.99	22.72	22.89	0	0
		1	24	22.83	22.83	22.96	22.75	22.91	0	0
		1	49	22.78	22.78	22.90	22.74	22.85	0	0
		25	0	21.96	21.91	21.99	21.90	21.92	0-1	1
		25	12	21.94	21.91	22.08	21.88	21.93	0-1	1
		25	24	21.90	21.90	22.00	21.86	21.95	0-1	1
		50	0	21.92	21.89	22.07	21.87	21.89	0-1	1
	16QAM	1	0	22.01	21.96	22.11	21.92	22.03	0-1	1
		1	24	22.00	21.95	22.09	21.88	22.04	0-1	1
		1	49	21.91	21.92	21.97	21.84	21.94	0-1	1
		25	0	21.00	20.94	21.04	20.92	20.93	0-2	2
		25	12	20.89	20.93	21.08	20.89	20.92	0-2	2
		25	24	20.90	20.93	21.05	20.84	21.00	0-2	2
		50	0	20.97	20.97	21.09	20.94	20.92	0-2	2
	64QAM	1	0	20.68	20.51	20.66	20.43	20.57	0-2	2
		1	24	20.64	20.51	20.58	20.48	20.59	0-2	2
		1	49	20.49	20.51	20.60	20.43	20.54	0-2	2
		25	0	19.95	19.95	20.01	19.85	19.93	0-3	3
		25	12	19.97	19.94	20.12	19.94	19.99	0-3	3
		25	24	19.91	19.89	19.98	19.83	19.98	0-3	3
		50	0	20.01	19.98	20.12	19.94	19.98	0-3	3
	256QAM	1	0	17.75	17.74	17.94	17.74	17.75	0-5	5
		1	24	17.74	17.78	17.80	17.69	17.80	0-5	5
		1	49	17.71	17.77	17.85	17.70	17.77	0-5	5
		25	0	18.03	18.01	18.14	17.94	18.00	0-5	5
		25	12	18.01	18.01	18.17	17.97	17.98	0-5	5
		25	24	17.96	18.02	18.14	17.92	18.05	0-5	5
		50	0	18.05	18.03	18.22	17.96	18.01	0-5	5

LTE TDD Band 41 _ 15 MHz Bandwidth Conducted Power - 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	22.82	22.73	22.99	22.75	22.86	0	0
		1	36	22.68	22.69	22.87	22.54	22.79	0	0
		1	74	22.66	22.79	22.88	22.71	22.81	0	0
		36	0	21.91	21.85	22.04	21.91	21.93	0-1	1
		36	18	21.92	21.91	22.03	21.83	21.88	0-1	1
		36	39	21.86	21.88	21.99	21.80	21.92	0-1	1
		75	0	21.94	21.89	22.03	21.84	21.90	0-1	1
	16QAM	1	0	21.99	21.93	22.01	21.82	21.95	0-1	1
		1	36	21.82	21.74	21.82	21.67	21.83	0-1	1
		1	74	21.78	21.84	21.90	21.69	21.90	0-1	1
		36	0	20.84	20.82	20.99	20.93	20.89	0-2	2
		36	18	20.91	20.81	20.98	20.88	20.86	0-2	2
		36	39	20.82	20.83	20.95	20.81	20.90	0-2	2
		75	0	20.95	20.90	21.06	20.88	20.91	0-2	2
	64QAM	1	0	20.55	20.46	20.68	20.94	20.56	0-2	2
		1	36	20.49	20.45	20.63	20.42	20.56	0-2	2
		1	74	20.39	20.56	20.63	20.45	20.57	0-2	2
		36	0	19.96	19.87	20.07	19.94	20.00	0-3	3
		36	18	19.96	19.93	20.08	19.87	19.94	0-3	3
		36	39	19.92	19.92	20.05	19.83	19.97	0-3	3
		75	0	19.97	19.96	20.07	19.89	19.93	0-3	3
	256QAM	1	0	17.73	17.69	17.89	17.67	17.77	0-5	5
		1	36	17.68	17.72	17.78	17.56	17.70	0-5	5
		1	74	17.72	17.78	17.82	17.65	17.73	0-5	5
		36	0	17.93	17.92	18.05	17.92	17.97	0-5	5
		36	18	17.99	17.94	18.09	17.87	17.93	0-5	5
		36	39	17.90	17.90	18.02	17.82	17.96	0-5	5
		75	0	17.97	17.94	18.09	17.89	17.92	0-5	5

LTE TDD Band 41 _ 20 MHz Bandwidth Conducted Power - 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	23.06	22.96	23.07	22.97	22.95	0	0
		1	49	22.73	22.70	22.82	22.70	22.77	0	0
		1	99	22.59	22.68	22.83	22.70	22.78	0	0
		50	0	21.99	21.84	22.03	22.05	22.03	0-1	1
		50	25	21.93	22.04	22.06	21.85	21.91	0-1	1
		50	49	21.87	21.89	21.99	21.81	21.93	0-1	1
		100	0	21.96	21.91	22.09	21.87	21.90	0-1	1
	16QAM	1	0	22.00	21.90	22.07	21.88	22.03	0-1	1
		1	49	21.83	21.75	21.81	21.71	21.85	0-1	1
		1	99	21.64	21.76	21.82	21.75	21.80	0-1	1
		50	0	20.93	20.90	21.04	20.95	20.97	0-2	2
		50	25	20.96	20.96	21.09	20.90	20.96	0-2	2
		50	49	20.90	20.90	20.98	20.82	20.95	0-2	2
		100	0	20.97	20.96	21.15	20.90	20.95	0-2	2
	64QAM	1	0	20.88	20.47	20.74	20.58	20.65	0-2	2
		1	49	20.47	20.46	20.52	20.42	20.52	0-2	2
		1	99	20.36	20.42	20.54	20.46	20.50	0-2	2
		50	0	20.03	19.95	20.14	19.99	20.02	0-3	3
		50	25	20.01	20.00	20.13	19.94	19.98	0-3	3
		50	49	19.92	19.95	20.04	19.90	20.01	0-3	3
		100	0	19.99	19.96	20.08	19.92	19.95	0-3	3
	256QAM	1	0	17.92	17.74	17.98	17.82	17.85	0-5	5
		1	49	17.70	17.65	17.74	17.59	17.73	0-5	5
		1	99	17.67	17.73	17.76	17.63	17.68	0-5	5
		50	0	18.02	17.96	18.13	17.98	18.02	0-5	5
		50	25	18.03	18.01	18.14	17.95	18.02	0-5	5
		50	49	17.95	17.99	18.08	17.87	18.04	0-5	5
		100	0	18.00	17.95	18.09	17.91	17.96	0-5	5

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

LTE TDD Band 41 Reduced Conducted Output Power (Grip back Activated)

LTE TDD Band 41 _ 5 MHz Bandwidth Conducted Power - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	14.04	13.80	13.97	13.93	14.04	0	0
		1	12	14.07	13.88	14.01	13.94	14.11	0	0
		1	24	14.07	13.83	13.98	13.92	14.05	0	0
		12	0	14.19	13.94	14.09	14.04	14.12	0-1	0
		12	6	14.20	13.95	14.14	14.09	14.20	0-1	0
		12	11	14.19	13.93	14.10	14.09	14.14	0-1	0
		25	0	14.19	13.94	14.09	14.06	14.18	0-1	0
	16QAM	1	0	14.25	13.94	14.01	14.03	14.10	0-1	0
		1	12	14.27	14.08	14.18	14.15	14.24	0-1	0
		1	24	14.29	13.94	14.09	14.09	14.22	0-1	0
		12	0	14.20	13.85	13.91	14.02	14.06	0-2	0
		12	6	14.22	13.87	13.98	13.98	14.04	0-2	0
		12	11	14.20	13.86	14.00	13.98	14.08	0-2	0
		25	0	14.23	13.99	14.11	14.10	14.16	0-2	0
	64QAM	1	0	14.03	13.40	13.57	13.66	13.75	0-2	0
		1	12	14.18	13.56	13.72	13.70	13.81	0-2	0
		1	24	14.06	13.54	13.64	13.72	13.78	0-2	0
		12	0	14.25	13.93	13.96	14.05	14.08	0-3	0
		12	6	14.28	13.93	14.01	14.06	14.08	0-3	0
		12	11	14.24	13.90	14.02	14.01	14.15	0-3	0
		25	0	14.18	13.99	14.07	14.08	14.15	0-3	0
	256QAM	1	0	13.89	13.62	13.77	13.83	13.97	0-5	0
		1	12	13.93	13.70	13.84	13.87	13.96	0-5	0
		1	24	13.90	13.65	13.81	13.84	13.97	0-5	0
		12	0	14.21	14.04	14.12	14.15	14.26	0-5	0
		12	6	14.24	14.07	14.22	14.17	14.26	0-5	0
		12	11	14.23	14.04	14.16	14.15	14.24	0-5	0
		25	0	14.27	14.03	14.18	14.07	14.20	0-5	0

LTE TDD Band 41 _ 10 MHz Bandwidth Conducted Power - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	14.18	13.92	13.98	14.00	14.11	0	0
		1	24	14.11	13.90	14.03	14.03	14.09	0	0
		1	49	14.10	13.84	14.00	14.02	14.10	0	0
		25	0	14.26	13.89	14.04	14.12	14.08	0-1	0
		25	12	14.27	13.97	14.09	14.11	14.20	0-1	0
		25	24	14.23	13.95	14.09	14.07	14.17	0-1	0
		50	0	14.21	13.95	14.07	14.12	14.20	0-1	0
	16QAM	1	0	14.26	13.95	14.15	14.11	14.21	0-1	0
		1	24	14.24	13.96	14.09	14.14	14.22	0-1	0
		1	49	14.23	13.96	14.08	14.08	14.20	0-1	0
		25	0	14.22	13.96	13.96	14.12	14.11	0-2	0
		25	12	14.27	13.99	14.07	14.11	14.12	0-2	0
		25	24	14.25	13.94	14.03	14.08	14.19	0-2	0
		50	0	14.20	14.01	14.13	14.14	14.16	0-2	0
	64QAM	1	0	13.78	13.49	13.94	13.64	13.77	0-2	0
		1	24	13.77	13.54	13.87	13.67	13.77	0-2	0
		1	49	13.76	13.53	13.98	13.66	13.77	0-2	0
		25	0	14.24	13.97	13.94	14.11	14.13	0-3	0
		25	12	14.25	13.96	14.06	14.13	14.16	0-3	0
		25	24	14.22	13.89	14.03	14.06	14.18	0-3	0
		50	0	14.29	14.03	14.05	14.16	14.18	0-3	0
	256QAM	1	0	13.90	13.67	13.80	13.83	14.04	0-5	0
		1	24	13.94	13.72	13.76	13.85	14.01	0-5	0
		1	49	13.94	13.67	13.86	13.83	13.98	0-5	0
		25	0	14.22	14.05	14.09	14.15	14.21	0-5	0
		25	12	14.25	14.05	14.17	14.17	14.19	0-5	0
		25	24	14.20	14.01	14.14	14.09	14.26	0-5	0
		50	0	14.21	14.02	14.15	14.15	14.23	0-5	0

LTE TDD Band 41 _ 15 MHz Bandwidth Conducted Power - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	14.09	13.89	13.90	14.02	14.08	0	0
		1	36	14.03	13.79	13.84	13.92	14.00	0	0
		1	74	14.03	13.85	13.96	14.03	14.13	0	0
		36	0	14.15	13.88	14.03	14.05	14.11	0-1	0
		36	18	14.17	13.91	14.06	14.09	14.15	0-1	0
		36	39	14.17	13.90	14.06	14.04	14.15	0-1	0
		75	0	14.16	13.93	14.07	14.12	14.19	0-1	0
	16QAM	1	0	14.03	13.81	13.92	14.00	14.15	0-1	0
		1	36	13.93	13.69	13.86	13.86	14.03	0-1	0
		1	74	13.91	13.84	13.97	13.87	14.10	0-1	0
		36	0	14.08	13.85	14.00	14.06	14.06	0-2	0
		36	18	14.11	13.90	14.01	14.01	14.01	0-2	0
		36	39	14.08	13.87	14.00	13.96	14.08	0-2	0
		75	0	14.19	13.98	14.08	14.05	14.12	0-2	0
	64QAM	1	0	13.73	13.52	13.60	13.69	13.74	0-2	0
		1	36	13.76	13.51	13.64	13.64	13.74	0-2	0
		1	74	13.71	13.57	13.71	13.68	13.84	0-2	0
		36	0	14.16	13.88	14.00	14.15	14.15	0-3	0
		36	18	14.18	13.92	14.04	14.10	14.13	0-3	0
		36	39	14.17	13.90	14.06	14.05	14.17	0-3	0
		75	0	14.24	13.98	14.09	14.12	14.14	0-3	0
	256QAM	1	0	13.94	13.71	13.80	13.87	13.92	0-5	0
		1	36	13.87	13.64	13.74	13.82	13.91	0-5	0
		1	74	14.00	13.75	13.86	13.87	14.01	0-5	0
		36	0	14.16	13.91	14.00	14.13	14.10	0-5	0
		36	18	14.20	13.94	14.05	14.08	14.12	0-5	0
		36	39	14.19	13.90	14.06	14.03	14.17	0-5	0
		75	0	14.22	13.99	14.10	14.08	14.12	0-5	0

LTE TDD Band 41 _ 20 MHz Bandwidth Conducted Power - Power Class 3

Band width	Modulation	RB Size	RB Offset	Reduced 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	14.02	13.81	14.01	14.09	14.08	0	0
		1	49	13.99	13.74	13.88	13.94	13.99	0	0
		1	99	13.90	13.67	13.95	13.97	14.05	0	0
		50	0	14.14	13.92	14.03	14.20	14.12	0-1	0
		50	25	14.17	13.93	14.08	14.12	14.17	0-1	0
		50	49	14.13	13.90	14.05	14.04	14.14	0-1	0
		100	0	14.19	13.95	14.08	14.12	14.18	0-1	0
	16QAM	1	0	14.01	13.81	14.02	14.07	14.18	0-1	0
		1	49	13.93	13.76	13.82	13.93	14.06	0-1	0
		1	99	13.90	13.74	13.94	13.83	14.07	0-1	0
		50	0	14.17	13.95	14.04	14.14	14.14	0-2	0
		50	25	14.18	13.99	14.10	14.09	14.13	0-2	0
		50	49	14.17	13.96	14.07	14.05	14.17	0-2	0
		100	0	14.23	14.02	14.16	14.14	14.15	0-2	0
	64QAM	1	0	13.77	13.46	13.66	13.78	13.82	0-2	0
		1	49	13.74	13.45	13.50	13.63	13.72	0-2	0
		1	99	13.66	13.45	13.67	13.63	13.82	0-2	0
		50	0	14.20	13.95	14.04	14.22	14.19	0-3	0
		50	25	14.26	14.02	14.11	14.17	14.19	0-3	0
		50	49	14.22	13.96	14.08	14.11	14.23	0-3	0
		100	0	14.24	13.97	14.07	14.11	14.15	0-3	0
	256QAM	1	0	14.03	13.81	13.87	14.05	14.02	0-5	0
		1	49	13.90	13.67	13.73	13.82	13.99	0-5	0
		1	99	13.95	13.70	13.88	13.84	14.06	0-5	0
		50	0	14.23	14.00	14.07	14.21	14.21	0-5	0
		50	25	14.28	14.01	14.17	14.14	14.17	0-5	0
		50	49	14.23	13.95	14.09	14.14	14.20	0-5	0
		100	0	14.24	13.95	14.09	14.11	14.20	0-5	0

Note; LTE Band 41 has 5 required test channels per FCC KDB 447498 D04v01.

LTE TDD Band 42 Maximum Conducted Output Power

LTE TDD Band 42 _ 5 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41615 Ch. 3402.5 MHz	42115 Ch. 3452.5 MHz	42590 Ch. 3500 MHz	43066 Ch. 3547.5 MHz		
5 MHz	QPSK	1	0	8.80	8.86	9.10	8.80	0	0
		1	12	8.81	8.90	9.12	8.87	0	0
		1	24	8.89	9.03	9.07	8.90	0	0
		12	0	8.98	9.15	9.09	8.97	0-1	0
		12	6	8.95	9.12	9.28	9.03	0-1	0
		12	11	8.97	9.12	9.20	8.98	0-1	0
		25	0	8.96	9.12	9.23	9.02	0-1	0
	16QAM	1	0	9.24	9.09	9.28	9.01	0-1	0
		1	12	9.26	9.14	9.28	9.06	0-1	0
		1	24	9.25	9.11	9.21	8.98	0-1	0
		12	0	9.20	9.16	9.18	8.93	0-2	0
		12	6	9.18	9.12	9.24	8.96	0-2	0
		12	11	9.19	9.12	9.14	8.93	0-2	0
		25	0	9.25	9.12	9.22	9.03	0-2	0
	64QAM	1	0	8.88	8.90	8.93	8.68	0-2	0
		1	12	8.94	8.81	8.97	8.67	0-2	0
		1	24	8.92	8.81	8.89	8.69	0-2	0
		12	0	9.17	9.25	9.22	8.96	0-3	0
		12	6	9.24	9.22	9.26	9.01	0-3	0
		12	11	9.20	9.16	9.18	8.96	0-3	0
		25	0	9.25	9.18	9.21	9.00	0-3	0
	256QAM	1	0	9.09	9.02	9.14	8.81	0-5	0
		1	12	9.02	8.98	9.70	8.78	0-5	0
		1	24	9.08	8.94	9.06	8.77	0-5	0
		12	0	9.10	9.29	9.23	9.07	0-5	0
		12	6	9.10	9.26	9.28	9.10	0-5	0
		12	11	9.12	9.24	9.21	9.07	0-5	0
		25	0	9.28	9.17	9.27	9.03	0-5	0

LTE TDD Band 42 _ 10 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41640 Ch. 3405 MHz	42140 Ch. 3455 MHz	42590 Ch. 3500 MHz	43040 Ch. 3545 MHz		
10 MHz	QPSK	1	0	9.03	9.03	9.09	8.87	0	0
		1	24	9.13	9.01	9.14	8.81	0	0
		1	49	9.17	8.96	9.11	8.83	0	0
		25	0	9.17	9.15	9.22	8.95	0-1	0
		25	12	9.21	9.19	9.12	9.00	0-1	0
		25	24	9.10	9.03	9.17	8.96	0-1	0
		50	0	9.12	9.15	9.15	8.97	0-1	0
	16QAM	1	0	9.22	9.24	9.09	9.04	0-1	0
		1	24	9.20	9.25	9.23	9.07	0-1	0
		1	49	9.24	9.16	9.27	9.02	0-1	0
		25	0	9.22	9.15	9.21	8.96	0-2	0
		25	12	9.23	9.20	9.21	9.00	0-2	0
		25	24	9.11	9.05	9.12	8.98	0-2	0
		50	0	9.16	9.23	9.22	9.00	0-2	0
	64QAM	1	0	8.81	8.80	8.84	8.59	0-2	0
		1	24	8.81	8.74	8.82	8.58	0-2	0
		1	49	8.76	8.65	8.77	8.60	0-2	0
		25	0	9.17	9.17	9.20	9.01	0-3	0
		25	12	9.19	9.16	9.16	8.98	0-3	0
		25	24	9.09	9.04	9.12	8.95	0-3	0
		50	0	9.20	9.24	9.24	9.05	0-3	0
	256QAM	1	0	8.98	9.00	9.04	8.74	0-5	0
		1	24	8.99	8.97	9.04	8.77	0-5	0
		1	49	8.94	8.86	8.94	8.77	0-5	0
		25	0	9.22	9.21	9.25	9.04	0-5	0
		25	12	9.25	9.25	9.22	9.03	0-5	0
		25	24	9.18	9.14	9.25	9.01	0-5	0
		50	0	9.20	9.25	9.24	9.06	0-5	0

LTE TDD Band 42 _ 15 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41665 Ch. 3407.5 MHz	42165 Ch. 3457.5 MHz	42590 Ch. 3500 MHz	43015 Ch. 3542.5 MHz		
15 MHz	QPSK	1	0	9.00	8.99	9.03	8.80	0	0
		1	36	8.99	8.94	9.03	8.81	0	0
		1	74	9.05	8.94	9.05	8.76	0	0
		36	0	9.13	9.11	9.14	8.94	0-1	0
		36	18	9.08	9.04	9.11	8.94	0-1	0
		36	39	9.04	8.96	9.08	8.89	0-1	0
		75	0	9.03	9.01	9.07	8.92	0-1	0
	16QAM	1	0	9.02	9.12	9.19	8.94	0-1	0
		1	36	9.07	9.05	9.17	8.88	0-1	0
		1	74	9.11	9.00	9.14	8.89	0-1	0
		36	0	9.14	9.06	9.10	8.88	0-2	0
		36	18	9.08	8.99	9.04	8.91	0-2	0
		36	39	9.08	8.97	9.01	8.88	0-2	0
		75	0	9.06	9.05	9.06	8.93	0-2	0
	64QAM	1	0	8.71	8.79	8.79	8.59	0-2	0
		1	36	8.79	8.78	8.82	8.58	0-2	0
		1	74	8.72	8.64	8.74	8.49	0-2	0
		36	0	9.15	9.12	9.18	9.00	0-3	0
		36	18	9.11	9.03	9.09	8.96	0-3	0
		36	39	9.05	9.02	9.11	8.94	0-3	0
		75	0	9.08	9.06	9.13	8.94	0-3	0
	256QAM	1	0	8.93	8.92	8.96	8.77	0-5	0
		1	36	8.99	8.91	8.97	8.71	0-5	0
		1	74	9.01	8.82	8.90	8.69	0-5	0
		36	0	9.16	9.10	9.14	8.95	0-5	0
		36	18	9.12	9.03	9.08	8.94	0-5	0
		36	39	9.11	8.97	9.07	8.91	0-5	0
		75	0	9.10	9.01	9.06	8.91	0-5	0

LTE TDD Band 42 _ 20 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				41690 Ch. 3410 MHz	42190 Ch. 3460 MHz	42590 Ch. 3500 MHz	42990 Ch. 3540 MHz		
20 MHz	QPSK	1	0	8.89	8.97	8.91	8.72	0	0
		1	49	8.92	8.96	8.92	8.75	0	0
		1	99	8.93	8.92	8.94	8.77	0	0
		50	0	9.09	9.10	9.10	8.91	0-1	0
		50	25	9.10	9.07	9.05	8.87	0-1	0
		50	49	9.05	8.95	9.05	8.77	0-1	0
		100	0	9.03	9.08	9.03	8.89	0-1	0
	16QAM	1	0	9.01	9.10	9.08	8.90	0-1	0
		1	49	9.09	9.08	9.11	8.89	0-1	0
		1	99	9.18	9.01	9.14	8.88	0-1	0
		50	0	9.14	9.12	9.15	8.93	0-2	0
		50	25	9.13	9.12	9.08	8.94	0-2	0
		50	49	9.10	9.00	9.10	8.83	0-2	0
		100	0	9.09	9.16	9.09	8.91	0-2	0
	64QAM	1	0	8.68	8.76	8.72	8.52	0-2	0
		1	49	8.72	8.74	8.72	8.53	0-2	0
		1	99	8.78	8.69	8.77	8.51	0-2	0
		50	0	9.12	9.18	9.18	8.99	0-3	0
		50	25	9.16	9.16	9.15	8.97	0-3	0
		50	49	9.10	9.05	9.13	8.87	0-3	0
		100	0	9.03	9.14	9.08	8.94	0-3	0
	256QAM	1	0	8.90	8.92	8.89	8.68	0-5	0
		1	49	8.93	8.89	8.92	8.71	0-5	0
		1	99	8.93	8.82	8.91	8.67	0-5	0
		50	0	9.13	9.17	9.19	8.95	0-5	0
		50	25	9.17	9.14	9.13	8.97	0-5	0
		50	49	9.15	9.06	9.14	8.88	0-5	0
		100	0	9.09	9.10	9.06	8.92	0-5	0

LTE TDD Band 48 Maximum Conducted Output Power

LTE TDD Band 48 _ 5 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				55265 Ch. 3552.5 MHz	55748 Ch. 3600.8 MHz	56232 Ch. 3649.2 MHz	56715 Ch. 3697.5 MHz		
5 MHz	QPSK	1	0	8.78	8.80	9.05	8.80	0	0
		1	12	8.89	8.78	8.94	8.68	0	0
		1	24	8.82	8.86	9.03	8.76	0	0
		12	0	8.87	8.91	9.12	8.84	0-1	0
		12	6	8.85	8.94	9.13	8.84	0-1	0
		12	11	8.85	8.94	9.13	8.84	0-1	0
		25	0	8.85	8.97	9.11	8.88	0-1	0
	16QAM	1	0	8.80	8.89	9.15	8.90	0-1	0
		1	12	8.78	8.92	9.07	8.82	0-1	0
		1	24	8.91	8.96	9.09	8.86	0-1	0
		12	0	8.88	8.86	9.02	8.76	0-2	0
		12	6	8.86	8.86	9.03	8.75	0-2	0
		12	11	8.86	8.87	9.00	8.76	0-2	0
		25	0	8.86	8.96	9.17	8.91	0-2	0
	64QAM	1	0	8.80	8.55	8.77	8.51	0-2	0
		1	12	8.84	8.57	8.71	8.52	0-2	0
		1	24	8.97	8.63	8.78	8.53	0-2	0
		12	0	8.91	8.89	9.04	8.82	0-3	0
		12	6	8.88	8.87	9.10	8.85	0-3	0
		12	11	8.86	8.89	9.06	8.86	0-3	0
		25	0	8.82	8.94	9.12	8.86	0-3	0
	256QAM	1	0	8.80	8.74	8.93	8.70	0-5	0
		1	12	8.58	8.65	8.85	8.57	0-5	0
		1	24	8.67	8.77	8.93	8.68	0-5	0
		12	0	8.95	9.03	9.18	8.93	0-5	0
		12	6	8.93	9.02	9.21	8.96	0-5	0
		12	11	8.94	9.02	9.16	8.93	0-5	0
		25	0	8.85	8.94	9.17	8.90	0-5	0

LTE TDD Band 48 _ 10 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				55290 Ch. 3555 MHz	55757 Ch. 3601.7 MHz	56223 Ch. 3648.3 MHz	55290 Ch. 3555 MHz		
10 MHz	QPSK	1	0	8.79	8.80	9.04	8.83	0	0
		1	24	8.65	8.77	9.01	8.72	0	0
		1	49	8.83	8.86	9.01	8.82	0	0
		25	0	8.85	8.97	9.13	8.89	0-1	0
		25	12	8.90	9.00	9.15	8.93	0-1	0
		25	24	8.88	8.98	9.10	8.90	0-1	0
		50	0	8.90	8.98	9.12	8.91	0-1	0
	16QAM	1	0	8.90	8.95	9.15	8.93	0-1	0
		1	24	8.88	8.97	9.12	8.88	0-1	0
		1	49	8.89	9.01	9.13	8.91	0-1	0
		25	0	8.85	8.95	9.13	8.90	0-2	0
		25	12	8.93	8.98	9.14	8.91	0-2	0
		25	24	8.85	8.97	9.08	8.85	0-2	0
		50	0	8.94	9.03	9.16	8.92	0-2	0
	64QAM	1	0	8.49	8.46	8.69	8.51	0-2	0
		1	24	8.41	8.52	8.69	8.44	0-2	0
		1	49	8.51	8.60	8.68	8.49	0-2	0
		25	0	8.87	8.97	9.12	8.87	0-3	0
		25	12	8.92	8.99	9.11	8.88	0-3	0
		25	24	8.86	8.96	9.09	8.84	0-3	0
		50	0	8.95	9.02	9.18	8.94	0-3	0
	256QAM	1	0	8.65	8.68	8.91	8.68	0-5	0
		1	24	8.61	8.69	8.88	8.58	0-5	0
		1	49	8.68	8.79	8.82	8.65	0-5	0
		25	0	8.90	9.03	9.21	8.94	0-5	0
		25	12	8.96	9.04	9.21	8.93	0-5	0
		25	24	8.93	9.00	9.16	8.91	0-5	0
		50	0	8.94	9.03	9.19	8.94	0-5	0

LTE TDD Band 48 _ 15 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				55315 Ch. 3557.5 MHz	55765 Ch. 3602.5 MHz	56215 Ch. 3647.5 MHz	56665 Ch. 3692.5 MHz		
15 MHz	QPSK	1	0	8.77	8.82	9.03	8.80	0	0
		1	36	8.72	8.76	8.93	8.73	0	0
		1	74	8.84	8.91	8.99	8.82	0	0
		36	0	8.88	8.90	9.15	8.92	0-1	0
		36	18	8.88	8.94	9.11	8.94	0-1	0
		36	39	8.86	8.97	9.05	8.89	0-1	0
		75	0	8.86	8.96	9.13	8.93	0-1	0
	16QAM	1	0	8.80	8.86	9.07	8.86	0-1	0
		1	36	8.75	8.83	8.99	8.79	0-1	0
		1	74	8.86	8.98	9.14	8.89	0-1	0
		36	0	8.79	8.85	9.08	8.88	0-2	0
		36	18	8.84	8.90	9.05	8.86	0-2	0
		36	39	8.82	8.92	8.98	8.87	0-2	0
		75	0	8.87	8.95	9.10	8.89	0-2	0
	64QAM	1	0	8.45	8.49	8.78	8.59	0-2	0
		1	36	8.46	8.55	8.70	8.51	0-2	0
		1	74	8.56	8.69	8.73	8.52	0-2	0
		36	0	8.95	8.91	9.18	8.96	0-3	0
		36	18	8.89	8.96	9.12	8.91	0-3	0
		36	39	8.91	8.99	9.08	8.92	0-3	0
		75	0	8.95	9.01	9.18	8.92	0-3	0
	256QAM	1	0	8.59	8.65	8.91	8.69	0-5	0
		1	36	8.58	8.65	8.85	8.60	0-5	0
		1	74	8.71	8.85	8.87	8.66	0-5	0
		36	0	8.91	8.88	9.14	8.92	0-5	0
		36	18	8.90	8.97	9.14	8.91	0-5	0
		36	39	8.87	8.97	9.05	8.90	0-5	0
		75	0	8.90	8.98	9.15	8.92	0-5	0

LTE TDD Band 48 _ 20 MHz Bandwidth Conducted Power

Band width	Modulation	RB Size	RB Offset	Max. Average Power [dBm]				MPR Allowed Per GPP [dB]	MPR [dB]
				55340 Ch. 3560 MHz	55773 Ch. 3603.3 MHz	56207 Ch. 3646.7 MHz	56640 Ch. 3690 MHz		
20 MHz	QPSK	1	0	8.81	8.85	9.07	8.87	0	0
		1	49	8.75	8.81	8.96	8.72	0	0
		1	99	8.86	8.95	9.03	8.82	0	0
		50	0	8.88	8.92	9.17	8.94	0-1	0
		50	25	8.98	9.00	9.16	8.93	0-1	0
		50	49	8.94	8.99	9.09	8.83	0-1	0
		100	0	8.98	9.02	9.19	8.91	0-1	0
	16QAM	1	0	8.90	8.92	9.11	8.90	0-1	0
		1	49	8.76	8.82	9.01	8.76	0-1	0
		1	99	8.89	9.00	9.07	8.84	0-1	0
		50	0	8.88	8.91	9.16	8.94	0-2	0
		50	25	8.97	9.04	9.18	8.97	0-2	0
		50	49	8.92	9.03	9.11	8.84	0-2	0
		100	0	8.96	9.03	9.19	8.97	0-2	0
	64QAM	1	0	8.53	8.58	8.83	8.63	0-2	0
		1	49	8.47	8.57	8.71	8.49	0-2	0
		1	99	8.59	8.70	8.72	8.48	0-2	0
		50	0	8.92	8.97	9.22	9.02	0-3	0
		50	25	9.03	9.08	9.22	8.98	0-3	0
		50	49	9.02	9.06	9.13	8.92	0-3	0
		100	0	8.96	9.06	9.18	8.98	0-3	0
	256QAM	1	0	8.63	8.75	8.97	8.80	0-5	0
		1	49	8.64	8.72	8.87	8.66	0-5	0
		1	99	8.77	8.87	8.89	8.68	0-5	0
		50	0	8.88	8.96	9.19	9.00	0-5	0
		50	25	9.00	9.05	9.22	8.98	0-5	0
		50	49	8.97	9.06	9.13	8.91	0-5	0
		100	0	8.91	9.01	9.17	8.97	0-5	0

LTE FDD Band 66 Maximum Conducted Output Power

LTE FDD Band 66 _ 1.4 MHz Bandwidth Conducted Power

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	22.62	22.95	22.84	0	0
		1	3	22.67	22.96	22.84	0	0
		1	5	22.62	22.91	22.82	0	0
		3	0	22.63	22.88	22.87	0	0
		3	1	22.72	22.97	22.87	0	0
		3	3	22.66	22.97	22.86	0	0
		6	0	21.75	21.97	21.92	0-1	1
	16QAM	1	0	21.96	22.30	22.16	0-1	1
		1	3	22.04	22.38	22.25	0-1	1
		1	5	21.99	22.19	22.15	0-1	1
		3	0	21.86	22.05	22.05	0-1	1
		3	1	21.86	22.13	22.07	0-1	1
		3	3	21.82	22.11	21.96	0-1	1
		6	0	20.76	21.06	20.98	0-2	2
	64QAM	1	0	20.91	21.13	21.06	0-2	2
		1	3	20.95	21.34	21.15	0-2	2
		1	5	20.86	21.16	21.11	0-2	2
		3	0	20.87	21.07	20.99	0-2	2
		3	1	20.87	21.15	20.99	0-2	2
		3	3	20.83	21.19	21.05	0-2	2
		6	0	19.84	19.99	19.98	0-3	3
	256QAM	1	0	17.81	18.05	18.05	0-5	5
		1	3	17.90	18.20	18.12	0-5	5
		1	5	17.87	18.19	18.01	0-5	5
		3	0	17.86	18.05	18.00	0-5	5
		3	1	17.95	18.22	18.09	0-5	5
		3	3	17.93	18.15	18.05	0-5	5
		6	0	17.77	17.95	17.94	0-5	5

LTE FDD Band 66 _ 3 MHz Bandwidth Conducted Power

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	22.74	22.93	22.91	0	0
		1	7	22.70	23.07	22.95	0	0
		1	14	22.72	23.06	22.90	0	0
		8	0	21.82	22.04	22.02	0-1	1
		8	3	21.88	22.10	22.06	0-1	1
		8	7	21.81	22.09	21.98	0-1	1
		15	0	21.85	22.09	21.94	0-1	1
	16QAM	1	0	22.03	22.21	22.25	0-1	1
		1	7	22.04	22.45	22.37	0-1	1
		1	14	22.08	22.41	22.27	0-1	1
		8	0	20.90	21.09	21.06	0-2	2
		8	3	20.98	21.13	21.12	0-2	2
		8	7	20.88	21.24	21.08	0-2	2
		15	0	20.88	21.02	21.05	0-2	2
	64QAM	1	0	20.96	21.19	21.21	0-2	2
		1	7	20.95	21.21	21.12	0-2	2
		1	14	20.91	21.23	21.21	0-2	2
		8	0	19.86	20.09	20.06	0-3	3
		8	3	19.96	20.14	20.00	0-3	3
		8	7	19.92	20.13	20.01	0-3	3
		15	0	19.88	20.11	20.07	0-3	3
	256QAM	1	0	17.91	18.15	18.10	0-5	5
		1	7	17.92	18.25	18.03	0-5	5
		1	14	17.91	18.21	18.12	0-5	5
		8	0	17.89	18.08	18.10	0-5	5
		8	3	17.95	18.17	18.03	0-5	5
		8	7	17.90	18.18	18.04	0-5	5
		15	0	17.85	18.13	18.04	0-5	5

LTE FDD Band 66 _ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	22.65	22.91	22.92	0	0
		1	12	22.71	23.05	22.91	0	0
		1	24	22.66	23.00	22.84	0	0
		12	0	21.83	22.07	21.99	0-1	1
		12	6	21.85	22.11	22.04	0-1	1
		12	11	21.83	22.15	21.99	0-1	1
		25	0	21.87	22.09	22.05	0-1	1
	16QAM	1	0	22.07	22.23	22.34	0-1	1
		1	12	22.19	22.39	22.17	0-1	1
		1	24	22.16	22.40	22.18	0-1	1
		12	0	20.90	21.10	21.06	0-2	2
		12	6	20.93	21.11	21.06	0-2	2
		12	11	20.88	21.14	21.07	0-2	2
		25	0	20.84	21.08	21.02	0-2	2
	64QAM	1	0	20.93	21.12	21.20	0-2	2
		1	12	20.97	21.29	21.21	0-2	2
		1	24	20.89	21.26	21.20	0-2	2
		12	0	19.89	20.07	20.06	0-3	3
		12	6	19.91	20.17	20.10	0-3	3
		12	11	19.86	20.11	20.02	0-3	3
		25	0	19.81	19.99	20.01	0-3	3
	256QAM	1	0	17.93	18.15	18.11	0-5	5
		1	12	17.82	18.28	18.22	0-5	5
		1	24	17.99	18.22	18.06	0-5	5
		12	0	17.82	18.07	18.05	0-5	5
		12	6	17.82	18.13	18.08	0-5	5
		12	11	17.85	18.16	18.03	0-5	5
		25	0	17.89	18.10	18.01	0-5	5

LTE FDD Band 66 _ 10 MHz Bandwidth Conducted Power

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	22.75	22.96	22.96	0	0
		1	24	22.68	22.78	22.83	0	0
		1	49	22.77	23.09	22.88	0	0
		25	0	21.80	22.03	22.03	0-1	1
		25	12	21.83	22.06	22.09	0-1	1
		25	24	21.91	22.07	22.02	0-1	1
		50	0	21.87	22.05	22.09	0-1	1
	16QAM	1	0	22.16	22.45	22.28	0-1	1
		1	24	22.01	22.34	22.29	0-1	1
		1	49	21.98	22.45	22.27	0-1	1
		25	0	20.78	21.08	21.09	0-2	2
		25	12	20.86	21.04	21.02	0-2	2
		25	24	20.88	21.11	21.09	0-2	2
		50	0	20.84	21.07	21.04	0-2	2
	64QAM	1	0	20.86	21.22	21.25	0-2	2
		1	24	20.86	21.22	21.27	0-2	2
		1	49	20.97	21.29	21.29	0-2	2
		25	0	19.84	20.04	20.00	0-3	3
		25	12	19.91	20.08	20.09	0-3	3
		25	24	19.82	20.08	20.05	0-3	3
		50	0	19.90	20.06	20.01	0-3	3
	256QAM	1	0	17.78	18.15	18.15	0-5	5
		1	24	17.92	18.36	17.81	0-5	5
		1	49	17.97	18.21	17.98	0-5	5
		25	0	17.82	18.04	18.01	0-5	5
		25	12	17.92	18.10	18.07	0-5	5
		25	24	17.87	18.05	18.02	0-5	5
		50	0	17.86	18.02	18.08	0-5	5

LTE FDD Band 66 _ 15 MHz Bandwidth Conducted Power

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	22.69	22.84	23.02	0	0
		1	36	22.83	22.92	22.80	0	0
		1	74	22.75	23.01	22.93	0	0
		36	0	21.75	22.02	22.09	0-1	1
		36	18	21.84	22.12	22.08	0-1	1
		36	39	21.89	22.12	22.11	0-1	1
		75	0	21.95	22.09	22.16	0-1	1
	16QAM	1	0	22.02	22.20	22.25	0-1	1
		1	36	22.01	22.26	22.22	0-1	1
		1	74	22.18	22.36	22.29	0-1	1
		36	0	20.69	21.02	21.14	0-2	2
		36	18	20.90	21.12	21.14	0-2	2
		36	39	20.89	21.11	21.11	0-2	2
		75	0	20.89	21.06	21.13	0-2	2
	64QAM	1	0	20.93	21.17	21.36	0-2	2
		1	36	21.09	21.31	21.19	0-2	2
		1	74	21.15	21.29	21.21	0-2	2
		36	0	19.75	20.10	20.13	0-3	3
		36	18	19.89	20.11	20.15	0-3	3
		36	39	19.91	20.25	20.14	0-3	3
		75	0	19.87	20.05	20.07	0-3	3
	256QAM	1	0	17.74	18.05	18.20	0-5	5
		1	36	17.99	18.08	18.09	0-5	5
		1	74	18.02	18.28	18.19	0-5	5
		36	0	17.77	18.08	18.04	0-5	5
		36	18	18.05	18.14	18.12	0-5	5
		36	39	17.91	18.15	18.11	0-5	5
		75	0	17.95	18.06	18.13	0-5	5

LTE FDD Band 66 _ 20 MHz Bandwidth Conducted Power

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	22.77	22.90	23.01	0	0
		1	49	22.83	22.99	22.75	0	0
		1	99	22.97	23.05	22.95	0	0
		50	0	21.78	22.03	22.10	0-1	1
		50	25	22.11	22.03	22.13	0-1	1
		50	49	21.93	22.18	22.09	0-1	1
		100	0	21.94	22.05	22.12	0-1	1
	16QAM	1	0	22.08	22.19	22.37	0-1	1
		1	49	22.09	22.29	22.34	0-1	1
		1	99	22.20	22.27	22.31	0-1	1
		50	0	20.78	21.02	21.13	0-2	2
		50	25	20.94	21.12	21.09	0-2	2
		50	49	21.07	21.10	21.07	0-2	2
		100	0	20.92	21.07	21.13	0-2	2
	64QAM	1	0	20.91	21.09	21.30	0-2	2
		1	49	20.99	21.27	21.23	0-2	2
		1	99	21.07	21.26	21.25	0-2	2
		50	0	19.78	20.09	20.19	0-3	3
		50	25	19.97	20.11	20.14	0-3	3
		50	49	19.95	20.23	20.19	0-3	3
		100	0	19.90	20.12	20.14	0-3	3
	256QAM	1	0	18.01	18.13	18.24	0-5	5
		1	49	17.99	18.27	18.14	0-5	5
		1	99	18.12	18.28	18.19	0-5	5
		50	0	17.84	18.01	18.14	0-5	5
		50	25	17.92	18.17	18.12	0-5	5
		50	49	17.94	18.12	18.14	0-5	5
		100	0	17.96	18.08	18.14	0-5	5

LTE FDD Band 66 Reduced Conducted Output Power (Grip back Activated)

LTE FDD Band 66_1.4 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.68	13.90	13.82	0	0
		1	3	13.75	13.92	13.91	0	0
		1	5	13.70	13.92	13.81	0	0
		3	0	13.75	13.86	13.81	0	0
		3	1	13.71	13.99	13.85	0	0
		3	3	13.67	13.88	13.84	0	0
		6	0	13.85	13.94	13.86	0-1	0
	16QAM	1	0	14.09	14.38	14.22	0-1	0
		1	3	14.08	14.45	14.37	0-1	0
		1	5	13.97	14.38	14.29	0-1	0
		3	0	13.97	14.05	13.96	0-1	0
		3	1	13.93	14.10	13.98	0-1	0
		3	3	13.86	14.10	13.99	0-1	0
		6	0	13.83	14.00	13.92	0-2	0
	64QAM	1	0	14.06	14.27	14.24	0-2	0
		1	3	14.10	14.45	14.28	0-2	0
		1	5	14.08	14.33	14.14	0-2	0
		3	0	14.00	14.19	14.18	0-2	0
		3	1	14.07	14.27	14.17	0-2	0
		3	3	13.94	14.37	14.17	0-2	0
		6	0	13.94	14.17	14.13	0-3	0
	256QAM	1	0	13.93	14.24	14.20	0-5	0
		1	3	14.03	14.32	14.21	0-5	0
		1	5	13.95	14.32	14.19	0-5	0
		3	0	13.97	14.20	14.22	0-5	0
		3	1	14.09	14.26	14.29	0-5	0
		3	3	13.97	14.31	14.16	0-5	0
		6	0	13.92	14.14	14.10	0-5	0

LTE FDD Band 66_3 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.79	13.92	13.94	0	0
		1	7	13.76	14.08	13.89	0	0
		1	14	13.79	14.05	13.92	0	0
		8	0	13.88	13.98	14.02	0-1	0
		8	3	13.92	14.09	14.00	0-1	0
		8	7	13.85	14.04	13.95	0-1	0
		15	0	13.89	14.04	13.93	0-1	0
	16QAM	1	0	14.04	14.26	14.23	0-1	0
		1	7	14.06	14.46	14.07	0-1	0
		1	14	14.11	14.45	14.20	0-1	0
		8	0	13.99	14.15	14.06	0-2	0
		8	3	13.98	14.14	14.14	0-2	0
		8	7	13.91	14.19	13.99	0-2	0
		15	0	13.89	14.03	13.99	0-2	0
	64QAM	1	0	14.10	14.33	14.30	0-2	0
		1	7	14.09	14.33	14.18	0-2	0
		1	14	14.14	14.44	14.24	0-2	0
		8	0	14.02	14.22	14.14	0-3	0
		8	3	14.02	14.27	14.15	0-3	0
		8	7	13.97	14.29	14.17	0-3	0
		15	0	14.02	14.21	14.16	0-3	0
	256QAM	1	0	14.03	14.36	14.22	0-5	0
		1	7	14.04	14.25	14.36	0-5	0
		1	14	14.01	14.28	14.27	0-5	0
		8	0	13.98	14.20	14.23	0-5	0
		8	3	14.00	14.30	14.20	0-5	0
		8	7	13.96	14.27	14.16	0-5	0
		15	0	13.98	14.29	14.15	0-5	0

LTE FDD Band 66_ 5 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR Allowed Per 3GPP [dB]	MPR [dB]
				131997 Ch. 1712.5 MHz	132322Ch. 1745 MHz	132647 Ch. 1777.5 MHz		
5 MHz	QPSK	1	0	13.79	13.95	13.93	0	0
		1	12	13.80	14.08	13.93	0	0
		1	24	13.75	13.96	13.84	0	0
		12	0	13.87	14.04	13.98	0-1	0
		12	6	13.90	14.07	14.01	0-1	0
		12	11	13.90	14.08	13.97	0-1	0
		25	0	13.86	14.05	14.00	0-1	0
	16QAM	1	0	14.09	14.20	14.34	0-1	0
		1	12	14.05	14.37	14.15	0-1	0
		1	24	14.07	14.27	14.17	0-1	0
		12	0	13.95	14.10	14.01	0-2	0
		12	6	13.90	14.09	14.00	0-2	0
		12	11	13.92	14.08	13.97	0-2	0
		25	0	13.84	14.00	13.94	0-2	0
	64QAM	1	0	14.04	14.36	14.33	0-2	0
		1	12	14.09	14.46	14.31	0-2	0
		1	24	14.11	14.28	14.29	0-2	0
		12	0	14.01	14.16	14.15	0-3	0
		12	6	14.00	14.25	14.24	0-3	0
		12	11	14.00	14.30	14.21	0-3	0
		25	0	13.94	14.16	14.20	0-3	0
	256QAM	1	0	13.99	14.30	14.28	0-5	0
		1	12	14.04	14.39	14.30	0-5	0
		1	24	14.07	14.24	14.20	0-5	0
		12	0	13.98	14.23	14.13	0-5	0
		12	6	13.98	14.19	14.21	0-5	0
		12	11	13.96	14.27	14.18	0-5	0
		25	0	14.00	14.16	14.20	0-5	0

LTE FDD Band 66_10 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.79	13.99	14.07	0	0
		1	24	13.67	13.89	13.93	0	0
		1	49	13.66	14.04	13.88	0	0
		25	0	13.88	14.03	13.93	0-1	0
		25	12	13.89	14.09	13.98	0-1	0
		25	24	13.85	14.13	13.91	0-1	0
		50	0	13.89	14.01	13.95	0-1	0
	16QAM	1	0	14.21	14.50	14.47	0-1	0
		1	24	14.17	14.25	14.25	0-1	0
		1	49	14.11	14.25	14.32	0-1	0
		25	0	13.91	14.03	14.04	0-2	0
		25	12	13.96	14.02	14.04	0-2	0
		25	24	13.83	14.01	13.96	0-2	0
		50	0	13.86	14.08	13.98	0-2	0
	64QAM	1	0	14.06	14.05	14.48	0-2	0
		1	24	14.14	14.47	14.43	0-2	0
		1	49	14.15	14.44	14.30	0-2	0
		25	0	13.98	14.23	14.20	0-3	0
		25	12	13.97	14.28	14.26	0-3	0
		25	24	14.03	14.22	14.16	0-3	0
		50	0	14.05	14.21	14.20	0-3	0
	256QAM	1	0	14.05	14.42	14.28	0-5	0
		1	24	13.96	14.41	14.14	0-5	0
		1	49	14.20	14.36	14.53	0-5	0
		25	0	13.95	14.19	14.22	0-5	0
		25	12	13.99	14.15	14.21	0-5	0
		25	24	13.86	14.23	14.16	0-5	0
		50	0	13.92	14.18	14.15	0-5	0

LTE FDD Band 66_15 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.73	13.87	13.97	0	0
		1	36	13.72	13.85	13.85	0	0
		1	74	13.74	13.86	13.81	0	0
		36	0	13.69	14.03	14.07	0-1	0
		36	18	13.94	14.03	14.01	0-1	0
		36	39	13.92	14.05	14.00	0-1	0
		75	0	13.88	14.00	14.00	0-1	0
	16QAM	1	0	13.98	14.18	14.28	0-1	0
		1	36	14.10	14.49	14.36	0-1	0
		1	74	14.09	14.29	14.19	0-1	0
		36	0	13.83	14.08	14.04	0-2	0
		36	18	13.84	14.04	14.06	0-2	0
		36	39	13.93	14.09	14.04	0-2	0
		75	0	13.91	14.03	14.07	0-2	0
	64QAM	1	0	13.97	14.28	14.44	0-2	0
		1	36	14.04	14.35	14.35	0-2	0
		1	74	14.24	14.40	14.18	0-2	0
		36	0	13.92	14.16	14.29	0-3	0
		36	18	14.04	14.24	14.31	0-3	0
		36	39	14.02	14.28	14.21	0-3	0
		75	0	14.09	14.20	14.31	0-3	0
	256QAM	1	0	13.95	14.24	14.25	0-5	0
		1	36	14.16	14.33	14.40	0-5	0
		1	74	14.19	14.42	14.25	0-5	0
		36	0	13.97	14.15	14.22	0-5	0
		36	18	14.09	14.18	14.22	0-5	0
		36	39	14.08	14.26	14.19	0-5	0
		75	0	14.08	14.11	14.30	0-5	0

LTE FDD Band 66_20 MHz Bandwidth Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Reduced 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	13.74	13.94	14.04	0	0
		1	49	13.86	13.62	13.92	0	0
		1	99	13.84	14.05	13.88	0	0
		50	0	13.81	13.94	14.11	0-1	0
		50	25	13.92	14.06	14.03	0-1	0
		50	49	13.99	14.10	14.02	0-1	0
		100	0	13.88	14.02	14.02	0-1	0
	16QAM	1	0	14.14	14.31	14.28	0-1	0
		1	49	14.10	14.21	14.21	0-1	0
		1	99	14.15	14.21	14.24	0-1	0
		50	0	13.86	14.02	14.09	0-2	0
		50	25	13.94	13.99	14.07	0-2	0
		50	49	13.92	14.05	14.00	0-2	0
		100	0	14.00	13.99	14.08	0-2	0
	64QAM	1	0	14.22	14.27	14.40	0-2	0
		1	49	14.28	14.47	14.33	0-2	0
		1	99	14.31	14.40	14.25	0-2	0
		50	0	13.95	14.19	14.21	0-3	0
		50	25	14.10	14.20	14.25	0-3	0
		50	49	14.16	14.32	14.24	0-3	0
		100	0	14.04	14.13	14.28	0-3	0
	256QAM	1	0	14.08	14.25	14.36	0-5	0
		1	49	14.13	14.45	14.34	0-5	0
		1	99	14.25	14.46	14.40	0-5	0
		50	0	13.88	14.13	14.28	0-5	0
		50	25	14.08	14.18	14.24	0-5	0
		50	49	14.05	14.30	14.23	0-5	0
		100	0	14.05	14.13	14.21	0-5	0

11.4 NR Maximum Output Power

11.4.1 NR Band Maximum Conducted Power

NR FDD Band n2 Maximum Conducted Output Power

NR FDD Band n2 _ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						370500 Ch.	376000 Ch.	381500 Ch.	
						1852.5 MHz	1880 MHz	1907.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	22.90	22.91	22.92	0
				1	13	23.01	22.96	22.94	0
				1	23	23.00	22.90	22.91	0
				12	0	22.34	22.44	22.42	0.5
				12	7	23.02	22.94	22.94	0
				12	13	22.39	22.42	22.43	0.5
				25	0	22.39	22.43	22.45	0.5
			QPSK	1	1	22.81	22.85	22.85	0
				1	13	22.90	23.02	22.90	0
				1	23	22.84	22.94	23.06	0
				12	0	21.88	21.84	21.93	1
				12	7	22.89	22.99	22.97	0
				12	13	21.92	21.99	21.96	1
				25	0	21.92	21.85	21.91	1
			16QAM	1	1	21.79	21.73	21.93	1
			64QAM	1	1	20.35	20.25	20.38	2.5
			256QAM	1	1	18.34	18.46	18.36	4.5
		CP	QPSK	1	1	21.27	21.35	21.31	1.5

NR FDD Band n2 _ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371000 Ch.	376000 Ch.	381000 Ch.	
						1855 MHz	1880 MHz	1905 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.00	22.86	23.00	0
				1	26	23.01	22.90	22.94	0
				1	50	22.99	22.98	22.95	0
				25	0	22.56	22.47	22.42	0.5
				25	14	23.05	22.95	22.97	0
				25	27	22.44	22.44	22.50	0.5
				50	0	22.46	22.38	22.47	0.5
			QPSK	1	1	22.85	22.78	22.93	0
				1	26	22.87	22.94	22.95	0
				1	50	22.89	22.93	22.97	0
				25	0	21.92	21.84	21.97	1
				25	14	22.96	22.98	23.01	0
				25	27	21.97	21.97	22.02	1
				50	0	21.95	21.86	21.98	1
			16QAM	1	1	21.90	21.78	22.03	1
			64QAM	1	1	20.46	20.34	20.49	2.5
			256QAM	1	1	18.43	18.36	18.46	4.5
		CP	QPSK	1	1	21.45	21.23	21.48	1.5

NR FDD Band n2 _ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						371500 Ch.	376000 Ch.	380500 Ch.	
						1857.5 MHz	1880 MHz	1902.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.03	23.00	22.82	0
				1	40	23.04	22.99	22.99	0
				1	77	23.05	23.02	22.99	0
				36	0	22.56	22.46	22.39	0.5
				36	22	23.02	23.01	22.99	0
				36	43	22.54	22.50	22.42	0.5
				75	0	22.54	22.51	22.38	0.5
			QPSK	1	1	22.98	22.97	22.90	0
				1	40	23.01	22.97	22.86	0
				1	77	22.96	22.96	22.86	0
				36	0	22.04	21.99	21.90	1
				36	22	23.03	23.00	22.88	0
				36	43	22.07	22.05	21.94	1
				75	0	22.06	21.99	21.92	1
			16QAM	1	1	22.07	21.97	21.85	1
			64QAM	1	1	20.54	20.56	20.35	2.5
			256QAM	1	1	18.61	18.45	18.33	4.5
		CP	QPSK	1	1	21.65	21.54	21.38	1.5

NR FDD Band n2 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						372000 Ch.	376000 Ch.	380000 Ch.	
						1860 MHz	1880 MHz	1900 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.01	22.98	22.96	0
				1	53	23.03	22.95	23.02	0
				1	104	23.04	22.94	22.96	0
				50	0	22.56	22.47	22.41	0.5
				50	28	23.04	23.00	22.97	0
				50	56	22.60	22.51	22.55	0.5
				100	0	22.50	22.48	22.41	0.5
			QPSK	1	1	23.02	22.99	22.94	0
				1	53	23.03	23.02	22.98	0
				1	104	23.02	22.97	22.85	0
				50	0	22.11	22.03	22.01	1
				50	28	23.09	23.08	23.00	0
				50	56	22.03	22.07	22.02	1
				100	0	22.08	22.07	21.99	1
			16QAM	1	1	22.05	21.97	21.93	1
			64QAM	1	1	20.59	20.43	20.42	2.5
			256QAM	1	1	18.57	18.52	18.46	4.5
		CP	QPSK	1	1	21.56	21.43	21.46	1.5

NR FDD Band n2 Reduced Conducted Output Power (Grip back Activated)

NR FDD Band n2 _ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						370500 Ch.	376000 Ch.	381500 Ch.	
						1852.5 MHz	1880 MHz	1907.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.54	10.46	10.50	0
				1	13	10.63	10.50	10.56	0
				1	23	10.55	10.53	10.49	0
				12	0	10.58	10.49	10.51	0
				12	7	10.59	10.59	10.52	0
				12	13	10.59	10.54	10.54	0
				25	0	10.59	10.54	10.49	0
			QPSK	1	1	10.55	10.45	10.43	0
				1	13	10.57	10.52	10.51	0
				1	23	10.55	10.46	10.47	0
				12	0	10.58	10.53	10.51	0
				12	7	10.61	10.55	10.53	0
				12	13	10.60	10.58	10.54	0
				25	0	10.59	10.52	10.50	0
			16QAM	1	1	10.58	10.48	10.42	0
			64QAM	1	1	10.55	10.44	10.46	0
			256QAM	1	1	10.57	10.52	10.44	0
		CP	QPSK	1	1	10.53	10.51	10.42	0

NR FDD Band n2 _ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						371000 Ch.	376000 Ch.	381000 Ch.	
						1855 MHz	1880 MHz	1905 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.66	10.49	10.54	0
				1	26	10.59	10.53	10.54	0
				1	50	10.60	10.50	10.47	0
				25	0	10.65	10.53	10.50	0
				25	14	10.68	10.54	10.55	0
				25	27	10.65	10.56	10.54	0
				50	0	10.60	10.54	10.52	0
			QPSK	1	1	10.59	10.46	10.48	0
				1	26	10.57	10.54	10.47	0
				1	50	10.52	10.49	10.48	0
				25	0	10.64	10.54	10.52	0
				25	14	10.66	10.53	10.55	0
				25	27	10.61	10.54	10.53	0
				50	0	10.65	10.53	10.53	0
			16QAM	1	1	10.66	10.49	10.50	0
			64QAM	1	1	10.71	10.51	10.56	0
			256QAM	1	1	10.57	10.54	10.53	0
		CP	QPSK	1	1	10.57	10.55	10.52	0

NR FDD Band n2 _ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						371500 Ch.	376000 Ch.	380500 Ch.	
						1857.5 MHz	1880 MHz	1902.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.65	10.57	10.44	0
				1	40	10.63	10.55	10.53	0
				1	77	10.67	10.56	10.54	0
				36	0	10.62	10.56	10.51	0
				36	22	10.64	10.55	10.53	0
				36	43	10.71	10.58	10.56	0
				75	0	10.62	10.57	10.54	0
			QPSK	1	1	10.61	10.51	10.45	0
				1	40	10.57	10.49	10.49	0
				1	77	10.62	10.54	10.50	0
				36	0	10.66	10.55	10.51	0
				36	22	10.63	10.56	10.55	0
				36	43	10.63	10.56	10.52	0
				75	0	10.65	10.55	10.54	0
			16QAM	1	1	10.65	10.55	10.39	0
			64QAM	1	1	10.67	10.54	10.47	0
			256QAM	1	1	10.67	10.62	10.48	0
		CP	QPSK	1	1	10.64	10.57	10.46	0

NR FDD Band n2 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						372000 Ch.	376000 Ch.	380000 Ch.	
						1860 MHz	1880 MHz	1900 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.62	10.61	10.50	0
				1	53	10.58	10.54	10.57	0
				1	104	10.55	10.45	10.50	0
				50	0	10.64	10.55	10.48	0
				50	28	10.63	10.59	10.59	0
				50	56	10.65	10.60	10.60	0
				100	0	10.70	10.58	10.50	0
			QPSK	1	1	10.61	10.52	10.47	0
				1	53	10.56	10.51	10.53	0
				1	104	10.54	10.46	10.48	0
				50	0	10.62	10.57	10.48	0
				50	28	10.64	10.57	10.59	0
				50	56	10.69	10.56	10.58	0
				100	0	10.58	10.57	10.46	0
			16QAM	1	1	10.62	10.53	10.53	0
			64QAM	1	1	10.69	10.60	10.55	0
			256QAM	1	1	10.67	10.65	10.55	0
		CP	QPSK	1	1	10.63	10.50	10.63	0

NR FDD Band n5 Maximum Conducted Output Power

NR FDD Band n5_ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						165300 Ch.	167300 Ch.	169300 Ch.	
						826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.18	23.02	22.90	0
				1	13	23.10	22.99	22.76	0
				1	23	23.00	22.90	22.67	0
				12	0	22.64	22.51	22.35	0.5
				12	7	23.06	22.95	22.79	0
				12	13	22.52	22.42	22.19	0.5
				25	0	22.55	22.44	22.23	0.5
			QPSK	1	1	23.19	23.00	22.81	0
				1	13	23.10	22.93	22.73	0
				1	23	22.98	22.92	22.67	0
				12	0	22.19	22.08	21.86	1
				12	7	23.10	22.98	22.80	0
				12	13	22.06	21.93	21.74	1
				25	0	22.11	21.98	21.83	1
			16QAM	1	1	22.14	22.12	21.90	1
			64QAM	1	1	20.72	20.59	20.41	2.5
			256QAM	1	1	18.69	18.61	18.44	4.5
		CP	QPSK	1	1	21.68	21.59	21.41	1.5

NR FDD Band n5_ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300 Ch.		
							836.5 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		22.95		0
				1	26		22.99		0
				1	50		22.91		0
				25	0		22.55		0.5
				25	14		23.03		0
				25	27		22.4		0.5
				50	0		22.53		0.5
			QPSK	1	1		22.88		0
				1	26		22.93		0
				1	50		22.85		0
				25	0		22.10		1
				25	14		23.03		0
				25	27		21.95		1
				50	0		22.02		1
			16QAM	1	1		21.91		1
			64QAM	1	1		20.47		2.5
			256QAM	1	1		18.41		4.5
		CP	QPSK	1	1		21.50		1.5

NR FDD Band n5_ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300 Ch.		
							836.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.14		0
				1	40		23.00		0
				1	77		22.86		0
				36	0		22.58		0.5
				36	22		23.02		0
				36	43		22.45		0.5
				75	0		22.50		0.5
			QPSK	1	1		23.10		0
				1	40		23.01		0
				1	77		22.83		0
				36	0		22.08		1
				36	22		23.02		0
				36	43		21.96		1
				75	0		22.06		1
			16QAM	1	1		22.09		1
			64QAM	1	1		20.63		2.5
			256QAM	1	1		18.67		4.5
		CP	QPSK	1	1		21.68		1.5

NR FDD Band n5_ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
							167300 Ch.		
							836.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		23.12		0
				1	53		23.01		0
				1	104		22.83		0
				50	0		22.59		0.5
				50	28		23.02		0
				50	56		22.45		0.5
				100	0		22.50		0.5
			QPSK	1	1		23.10		0
				1	53		22.99		0
				1	104		22.74		0
				50	0		22.09		1
				50	28		23.07		0
				50	56		21.97		1
				100	0		22.07		1
			16QAM	1	1		22.10		1
			64QAM	1	1		20.69		2.5
			256QAM	1	1		18.68		4.5
		CP	QPSK	1	1		21.60		1.5

NR FDD Band n5 Reduced Conducted Output Power (Grip back Activated)

NR FDD Band n5_ 5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						165300 Ch.	167300 Ch.	169300 Ch.	
						826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	12.64	12.50	12.39	0
				1	13	12.57	12.44	12.26	0
				1	23	12.45	12.40	12.17	0
				12	0	12.63	12.56	12.30	0
				12	7	12.52	12.51	12.23	0
				12	13	12.52	12.44	12.16	0
				25	0	12.57	12.50	12.28	0
			QPSK	1	1	12.60	12.44	12.29	0
				1	13	12.50	12.43	12.23	0
				1	23	12.41	12.36	12.14	0
				12	0	12.62	12.53	12.36	0
				12	7	12.58	12.46	12.24	0
				12	13	12.50	12.39	12.19	0
				25	0	12.56	12.47	12.25	0
			16QAM	1	1	12.68	12.45	12.34	0
			64QAM	1	1	12.74	12.45	12.32	0
			256QAM	1	1	12.66	12.51	12.32	0
		CP	QPSK	1	1	12.74	12.41	12.40	0

NR FDD Band n5_ 10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
							167300 Ch.		
							836.5 MHz		
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		12.43		0
				1	26		12.47		0
				1	50		12.31		0
				25	0		12.56		0
				25	14		12.47		0
				25	27		12.41		0
				50	0		12.50		0
			QPSK	1	1		12.40		0
				1	26		12.40		0
				1	50		12.30		0
				25	0		12.60		0
				25	14		12.48		0
				25	27		12.42		0
				50	0		12.49		0
			16QAM	1	1		12.44		0
			64QAM	1	1		12.47		0
			256QAM	1	1		12.43		0
		CP	QPSK	1	1		12.43		0

NR FDD Band n5_ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
							167300 Ch.		
							836.5 MHz		
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		12.58		0
				1	40		12.51		0
				1	77		12.36		0
				36	0		12.57		0
				36	22		12.50		0
				36	43		12.45		0
				75	0		12.50		0
			QPSK	1	1		12.59		0
				1	40		12.47		0
				1	77		12.33		0
				36	0		12.60		0
				36	22		12.50		0
				36	43		12.46		0
				75	0		12.54		0
			16QAM	1	1		12.63		0
			64QAM	1	1		12.73		0
			256QAM	1	1		12.68		0
		CP	QPSK	1	1		12.66		0

NR FDD Band n5_ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
							167300 Ch.		
							836.5 MHz		
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1		12.68		0
				1	53		12.45		0
				1	104		12.27		0
				50	0		12.59		0
				50	28		12.54		0
				50	56		12.38		0
				100	0		12.53		0
			QPSK	1	1		12.62		0
				1	53		12.44		0
				1	104		12.24		0
				50	0		12.61		0
				50	28		12.51		0
				50	56		12.43		0
				100	0		12.54		0
			16QAM	1	1		12.67		0
			64QAM	1	1		12.67		0
			256QAM	1	1		12.75		0
		CP	QPSK	1	1		12.73		0

NR FDD Band n66 Maximum Conducted Output Power

NR FDD Band n66_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						342500 Ch.	349000 Ch.	355500 Ch.	
						1712.5 MHz	1745 MHz	1777.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.15	23.39	23.19	0
				1	13	23.19	23.43	23.18	0
				1	23	23.17	23.36	23.10	0
				12	0	22.67	22.88	22.68	0.5
				12	7	23.08	23.40	23.15	0
				12	13	22.57	22.90	22.67	0.5
				25	0	22.56	22.89	22.64	0.5
			QPSK	1	1	23.04	23.33	23.16	0
				1	13	23.06	23.44	23.10	0
				1	23	23.07	23.32	23.09	0
				12	0	22.11	22.44	22.18	1
				12	7	23.09	23.42	23.18	0
				12	13	22.14	22.43	22.15	1
				25	0	22.11	22.41	22.19	1
			16QAM	1	1	22.03	22.27	22.21	1
			64QAM	1	1	20.56	20.76	20.63	2.5
			256QAM	1	1	18.53	18.93	18.70	4.5
		CP	QPSK	1	1	21.63	21.83	21.64	1.5

NR FDD Band n66_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343000 Ch.	349000 Ch.	355000 Ch.	
						1715 MHz	1745 MHz	1775 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.18	23.33	23.29	0
				1	26	23.15	23.45	23.24	0
				1	50	23.13	23.36	23.13	0
				25	0	22.67	22.85	22.75	0.5
				25	14	23.19	23.45	23.24	0
				25	27	22.64	22.93	22.72	0.5
				50	0	22.65	22.86	22.77	0.5
			QPSK	1	1	23.18	23.28	23.23	0
				1	26	23.09	23.43	23.24	0
				1	50	23.10	23.35	23.13	0
				25	0	22.19	22.37	22.26	1
				25	14	23.19	23.48	23.27	0
				25	27	22.16	22.45	22.22	1
				50	0	22.16	22.36	22.26	1
			16QAM	1	1	22.18	22.37	22.28	1
			64QAM	1	1	20.63	20.84	20.71	2.5
			256QAM	1	1	18.71	18.80	18.83	4.5
		CP	QPSK	1	1	21.70	21.90	21.77	1.5

NR FDD Band n66 _ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						343500 Ch.	349000 Ch.	354500 Ch.	
						1717.5 MHz	1745 MHz	1772.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.23	23.37	23.24	0
				1	40	23.19	23.37	23.15	0
				1	77	23.36	23.41	23.17	0
				36	0	22.76	22.98	22.80	0.5
				36	22	23.20	23.40	23.20	0
				36	43	22.77	22.96	22.73	0.5
				75	0	22.75	22.97	22.71	0.5
			QPSK	1	1	23.22	23.36	23.28	0
				1	40	23.12	23.32	23.18	0
				1	77	23.34	23.38	23.17	0
				36	0	22.30	22.49	22.29	1
				36	22	23.21	23.43	23.22	0
				36	43	22.29	22.48	22.20	1
				75	0	22.28	22.49	22.29	1
			16QAM	1	1	22.21	22.38	22.27	1
			64QAM	1	1	20.71	20.97	20.72	2.5
			256QAM	1	1	18.77	18.94	18.83	4.5
		CP	QPSK	1	1	21.76	21.79	21.86	1.5

NR FDD Band n66 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power [dBm]			MPR [dB]
						344000 Ch.	349000 Ch.	354000 Ch.	
						1720 MHz	1745 MHz	1770 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	23.27	23.44	23.38	0
				1	53	23.14	23.42	23.21	0
				1	104	23.42	23.42	23.16	0
				50	0	22.74	22.99	22.82	0.5
				50	28	23.24	23.47	23.26	0
				50	56	22.82	22.95	22.76	0.5
				100	0	22.73	22.97	22.78	0.5
			QPSK	1	1	23.21	23.40	23.35	0
				1	53	23.09	23.41	23.14	0
				1	104	23.35	23.38	23.17	0
				50	0	22.26	22.42	22.37	1
				50	28	23.28	23.49	23.29	0
				50	56	22.33	22.45	22.26	1
				100	0	22.25	22.50	22.32	1
			16QAM	1	1	22.24	22.42	22.38	1
			64QAM	1	1	20.72	20.97	20.88	2.5
			256QAM	1	1	18.81	18.98	18.92	4.5
		CP	QPSK	1	1	21.71	21.94	22.05	1.5

NR FDD Band n66 Reduced Conducted Output Power (Grip back Activated)

NR FDD Band n66_5 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						342500 Ch.	349000 Ch.	355500 Ch.	
						1712.5 MHz	1745 MHz	1777.5 MHz	
5 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.43	10.65	10.48	0
				1	13	10.47	10.76	10.51	0
				1	23	10.51	10.73	10.42	0
				12	0	10.50	10.78	10.50	0
				12	7	10.48	10.81	10.49	0
				12	13	10.48	10.77	10.48	0
				25	0	10.50	10.78	10.51	0
			QPSK	1	1	10.39	10.63	10.42	0
				1	13	10.49	10.71	10.50	0
				1	23	10.42	10.67	10.38	0
				12	0	10.50	10.77	10.48	0
				12	7	10.50	10.79	10.54	0
				12	13	10.51	10.77	10.49	0
				25	0	10.47	10.75	10.49	0
			16QAM	1	1	10.39	10.65	10.44	0
			64QAM	1	1	10.45	10.62	10.49	0
			256QAM	1	1	10.45	10.62	10.51	0
		CP	QPSK	1	1	10.42	10.65	10.45	0

NR FDD Band n66_10 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						343000 Ch.	349000 Ch.	355000 Ch.	
						1715 MHz	1745 MHz	1775 MHz	
10 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.53	10.61	10.57	0
				1	26	10.49	10.72	10.47	0
				1	50	10.50	10.73	10.38	0
				25	0	10.50	10.69	10.54	0
				25	14	10.51	10.77	10.49	0
				25	27	10.45	10.71	10.47	0
				50	0	10.52	10.72	10.51	0
			QPSK	1	1	10.47	10.60	10.52	0
				1	26	10.43	10.69	10.45	0
				1	50	10.43	10.70	10.42	0
				25	0	10.49	10.67	10.52	0
				25	14	10.50	10.75	10.51	0
				25	27	10.51	10.71	10.46	0
				50	0	10.47	10.77	10.49	0
			16QAM	1	1	10.51	10.72	10.56	0
			64QAM	1	1	10.50	10.63	10.55	0
			256QAM	1	1	10.61	10.66	10.54	0
		CP	QPSK	1	1	10.47	10.63	10.66	0

NR FDD Band n66 _ 15 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						343500 Ch.	349000 Ch.	354500 Ch.	
						1717.5 MHz	1745 MHz	1772.5 MHz	
15 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.56	10.68	10.56	0
				1	40	10.46	10.67	10.40	0
				1	77	10.66	10.74	10.49	0
				36	0	10.58	10.75	10.51	0
				36	22	10.53	10.71	10.44	0
				36	43	10.57	10.69	10.47	0
				75	0	10.58	10.74	10.52	0
			QPSK	1	1	10.55	10.65	10.49	0
				1	40	10.46	10.62	10.41	0
				1	77	10.62	10.68	10.40	0
				36	0	10.55	10.81	10.54	0
				36	22	10.54	10.69	10.46	0
				36	43	10.54	10.67	10.46	0
				75	0	10.56	10.76	10.51	0
			16QAM	1	1	10.51	10.74	10.49	0
			64QAM	1	1	10.58	10.64	10.55	0
			256QAM	1	1	10.60	10.70	10.59	0
		CP	QPSK	1	1	10.54	10.65	10.52	0

NR FDD Band n66 _ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						344000 Ch.	349000 Ch.	354000 Ch.	
						1720 MHz	1745 MHz	1770 MHz	
20 MHz	15	DFT-s OFDM	pi/2 BPSK	1	1	10.60	10.73	10.62	0
				1	53	10.47	10.68	10.44	0
				1	104	10.68	10.70	10.42	0
				50	0	10.57	10.79	10.59	0
				50	28	10.51	10.73	10.49	0
				50	56	10.66	10.70	10.53	0
				100	0	10.55	10.78	10.55	0
			QPSK	1	1	10.59	10.72	10.58	0
				1	53	10.39	10.61	10.46	0
				1	104	10.68	10.63	10.40	0
				50	0	10.60	10.81	10.60	0
				50	28	10.56	10.73	10.55	0
				50	56	10.64	10.72	10.52	0
				100	0	10.56	10.74	10.56	0
			16QAM	1	1	10.56	10.71	10.68	0
			64QAM	1	1	10.58	10.78	10.72	0
			256QAM	1	1	10.58	10.73	10.64	0
		CP	QPSK	1	1	10.60	10.79	10.67	0

NR TDD Band n77 Maximum Conducted Output Power

NR TDD Band n77_ 20 MHz Bandwidth Conducted Power

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	22.83	22.61	22.69	22.52	22.62	22.77	0
				1	26	22.77	22.56	22.66	22.55	22.60	22.76	0
				1	49	22.78	22.66	22.59	22.63	22.60	22.81	0
				25	0	22.28	22.11	22.20	22.03	22.05	22.21	0.5
				25	13	22.74	22.56	22.58	22.47	22.56	22.69	0
				25	26	22.24	22.08	22.12	21.99	22.05	22.25	0.5
				50	0	22.25	22.15	22.18	22.00	22.06	22.27	0.5
			QPSK	1	1	22.72	22.61	22.57	22.52	22.54	22.70	0
				1	26	22.68	22.55	22.54	22.53	22.50	22.69	0
				1	49	22.69	22.61	22.61	22.55	22.57	22.66	0
				25	0	21.78	21.61	21.63	21.55	21.53	21.75	1
				25	13	22.70	22.52	22.58	22.55	22.48	22.72	0
				25	26	21.79	21.56	21.63	21.52	21.54	21.82	1
				50	0	21.82	21.60	21.60	21.55	21.52	21.75	1
			16QAM	1	1	21.78	21.56	21.63	21.47	21.49	21.66	1
			64QAM	1	1	20.37	19.93	20.18	20.06	20.11	20.12	2.5
			256QAM	1	1	18.28	18.07	18.14	18.07	18.01	18.25	4.5
		CP	QPSK	1	1	21.28	21.20	21.23	21.04	21.02	21.26	1.5

NR TDD Band n77_ 30 MHz Bandwidth Conducted Power

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	pi/2 BPSK	1	1	22.75	22.55	22.68	22.44	22.52	22.75	0
				1	39	22.72	22.47	22.65	22.51	22.50	22.66	0
				1	76	22.78	22.60	22.56	22.54	22.55	22.81	0
				36	0	22.26	22.02	22.16	22.02	22.01	22.16	0.5
				36	21	22.72	22.49	22.50	22.43	22.55	22.60	0
				36	42	22.17	22.08	22.04	21.94	22.02	22.19	0.5
				75	0	22.18	22.07	22.14	21.95	21.98	22.23	0.5
			QPSK	1	1	22.63	22.56	22.52	22.50	22.45	22.64	0
				1	39	22.58	22.51	22.49	22.51	22.45	22.63	0
				1	76	22.62	22.57	22.58	22.47	22.53	22.61	0
				36	0	21.68	21.59	21.59	21.50	21.50	21.71	1
				36	21	22.65	22.44	22.55	22.48	22.39	22.70	0
				36	42	21.69	21.50	21.58	21.48	21.48	21.75	1
				75	0	21.76	21.60	21.55	21.52	21.46	21.69	1
			16QAM	1	1	21.73	21.50	21.62	21.43	21.43	21.60	1
			64QAM	1	1	20.28	19.86	20.16	20.01	20.08	20.07	2.5
			256QAM	1	1	18.20	18.01	18.07	17.99	17.99	18.22	4.5
		CP	QPSK	1	1	21.27	21.12	21.16	20.99	21.01	21.23	1.5

NR TDD Band n77_40 MHz Bandwidth Conducted Power

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	23.08	22.81	22.78	23.01	23.00	22.96	0
				1	53	22.82	22.71	22.75	22.84	22.87	22.84	0
				1	104	23.03	22.86	22.98	22.89	22.96	23.09	0
				50	0	22.43	22.22	22.25	22.43	22.44	22.47	0.5
				50	28	22.92	22.71	22.81	22.80	22.83	22.83	0
				50	56	22.37	22.33	22.48	22.31	22.37	22.45	0.5
			QPSK	100	0	22.43	22.34	22.24	22.38	22.32	22.44	0.5
				1	1	22.93	22.80	22.71	22.95	22.84	22.84	0
				1	53	22.73	22.67	22.64	22.80	22.76	22.80	0
				1	104	22.94	22.84	22.86	22.80	22.93	23.07	0
				50	0	21.92	21.75	21.73	21.93	21.79	21.94	1
				50	28	22.90	22.79	22.80	22.86	22.88	22.84	0
				50	56	21.98	21.83	21.84	21.81	21.95	22.02	1
				100	0	21.95	21.72	21.78	21.89	21.90	21.91	1
			16QAM	1	1	21.97	21.89	21.77	21.82	21.84	21.85	1
			64QAM	1	1	20.59	20.35	20.39	20.46	20.36	20.36	2.5
			256QAM	1	1	18.50	18.34	18.24	18.45	18.42	18.37	4.5
		CP	QPSK	1	1	21.45	21.36	21.26	21.45	21.58	21.43	1.5

NR TDD Band n77_50 MHz Bandwidth Conducted Power

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	22.57	22.40	22.46		22.43	22.74	0
				1	67	22.60	22.34	22.48		22.52	22.72	0
				1	131	22.58	22.56	22.52		22.66	22.76	0
				64	0	22.09	21.96	22.14		22.00	22.15	0.5
				64	35	22.66	22.47	22.60		22.51	22.76	0
				64	69	22.02	22.02	22.14		21.98	22.18	0.5
			QPSK	128	0	22.07	21.93	22.08		22.04	22.21	0.5
				1	1	22.57	22.39	22.48		22.35	22.63	0
				1	67	22.45	22.30	22.53		22.35	22.61	0
				1	131	22.42	22.46	22.57		22.58	22.72	0
				64	0	21.57	21.43	21.56		21.46	21.70	1
				64	35	22.55	22.49	22.64		22.49	22.68	0
				64	69	21.55	21.49	21.67		21.48	21.68	1
				128	0	21.51	21.51	21.61		21.49	21.77	1
			16QAM	1	1	21.55	21.39	21.46		21.33	21.64	1
			64QAM	1	1	20.02	19.94	19.97		19.90	20.15	2.5
			256QAM	1	1	18.09	17.93	17.96		17.94	18.14	4.5
		CP	QPSK	1	1	21.06	20.92	21.10		20.91	21.28	1.5

NR TDD Band n77_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						648668	653556			658444	663332	
						3730.02	3803.34			3876.66	3949.98	
						MHz	MHz			MHz	MHz	
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	22.72	22.42			22.39	22.39	0
				1	81	22.56	22.54			22.47	22.66	0
				1	160	22.51	22.55			22.64	22.60	0
				81	0	22.03	21.94			21.88	22.08	0.5
				81	41	22.61	22.55			22.43	22.61	0
				81	81	21.99	22.02			22.11	22.09	0.5
			QPSK	162	0	22.06	22.09			21.99	22.09	0.5
				1	1	22.54	22.36			22.30	22.39	0
				1	81	22.49	22.43			22.37	22.49	0
				1	160	22.38	22.46			22.52	22.46	0
				81	0	21.54	21.44			21.45	21.51	1
				81	41	22.56	22.51			22.53	22.59	0
				81	81	21.53	21.57			21.57	21.64	1
				162	0	21.56	21.51			21.60	21.56	1
			16QAM	1	1	21.56	21.39			21.36	21.45	1
			64QAM	1	1	20.07	19.99			19.83	19.87	2.5
			256QAM	1	1	18.18	17.87			17.84	17.93	4.5
		CP	QPSK	1	1	21.19	20.95			20.94	21.04	1.5

NR TDD Band n77_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						649334		656000		662666		
						3740.01		3840		3939.99		
						MHz		MHz		MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	22.72		22.57		22.58		0
				1	109	22.55		22.54		22.71		0
				1	215	22.47		22.52		22.54		0
				108	0	22.10		22.01		21.96		0.5
				108	55	22.52		22.52		22.78		0
				108	109	22.00		21.95		22.12		0.5
			QPSK	216	0	21.98		22.06		22.05		0.5
				1	1	22.64		22.53		22.52		0
				1	109	22.54		22.55		22.59		0
				1	215	22.34		22.53		22.44		0
				108	0	21.62		21.52		21.47		1
				108	55	22.54		22.56		22.59		0
				108	109	21.47		21.57		21.65		1
				216	0	21.47		21.51		21.60		1
			16QAM	1	1	21.66		21.49		21.56		1
			64QAM	1	1	20.26		20.07		20.07		2.5
			256QAM	1	1	18.17		18.09		18.07		4.5
		CP	QPSK	1	1	21.24		21.05		21.05		1.5

NR TDD Band n77_ 90 MHz Bandwidth Conducted Power

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	22.72		22.62		22.65		0
				1	123	22.49		22.61		22.61		0
				1	243	22.70		22.66		22.44		0
				120	0	22.07		22.04		22.03		0.5
				120	63	22.49		22.54		22.63		0
				120	125	22.07		22.05		22.03		0.5
				243	0	22.00		22.03		22.14		0.5
			QPSK	1	1	22.56		22.51		22.61		0
				1	123	22.43		22.45		22.64		0
				1	243	22.61		22.53		22.32		0
				120	0	21.55		21.58		21.59		1
				120	63	22.51		22.51		22.62		0
				120	125	21.57		21.52		21.53		1
				243	0	21.50		21.51		21.57		1
			16QAM	1	1	21.65		21.52		21.60		1
			64QAM	1	1	20.18		20.06		20.11		2.5
			256QAM	1	1	18.16		17.92		18.24		4.5
		CP	QPSK	1	1	21.16		21.01		21.19		1.5

NR TDD Band n77_ 100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)						MPR [dB]
						650000				662000		
						3750 MHz				3930 MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	22.74				22.66		0
				1	137	22.57				22.65		0
				1	271	22.51				22.57		0
				135	0	22.15				22.01		0.5
				135	69	22.55				22.51		0
				135	138	21.97				22.10		0.5
				270	0	22.00				22.00		0.5
			QPSK	1	1	22.73				22.56		0
				1	137	22.51				22.57		0
				1	271	22.60				22.59		0
				135	0	21.70				21.57		1
				135	69	22.52				22.71		0
				135	138	21.63				21.69		1
				270	0	21.69				21.62		1
			16QAM	1	1	21.67				21.53		1
			64QAM	1	1	20.22				20.15		2.5
			256QAM	1	1	18.19				18.08		4.5
		CP	QPSK	1	1	21.27				21.10		1.5

NR TDD Band n77 DoD Maximum Conducted Output Power

NR TDD Band n77 DoD_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						630668	633334	636000	
						3460.02 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	23.22	22.75	22.61	0
				1	26	22.93	22.57	22.49	0
				1	49	22.99	22.62	22.55	0
				25	0	22.53	22.24	22.01	0.5
				25	13	22.98	22.62	22.46	0
				25	26	22.49	22.06	22.04	0.5
				50	0	22.51	22.09	22.03	0.5
			QPSK	1	1	23.09	22.76	22.55	0
				1	26	22.95	22.53	22.42	0
				1	49	22.81	22.53	22.49	0
				25	0	22.03	21.76	21.51	1
				25	13	22.93	22.58	22.40	0
				25	26	22.04	21.64	21.51	1
				50	0	22.05	21.61	21.55	1
			16QAM	1	1	22.10	21.68	21.48	1
			64QAM	1	1	20.63	20.33	20.07	2.5
			256QAM	1	1	18.60	18.23	18.10	4.5
		CP	QPSK	1	1	21.65	21.31	21.04	1.5

NR TDD Band n77 DoD_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631000	633334	635666	
						3465 MHz	3500.01 MHz	3534.99 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	23.18	22.69	22.59	0
				1	39	22.87	22.52	22.42	0
				1	76	22.96	22.56	22.46	0
				36	0	22.48	22.19	21.92	0.5
				36	21	22.93	22.53	22.45	0
				36	42	22.44	22.00	22.01	0.5
				75	0	22.50	22.02	21.98	0.5
			QPSK	1	1	23.01	22.70	22.49	0
				1	39	22.91	22.44	22.38	0
				1	76	22.72	22.49	22.42	0
				36	0	21.93	21.70	21.41	1
				36	21	22.92	22.49	22.36	0
				36	42	21.95	21.54	21.49	1
				75	0	22.01	21.55	21.52	1
			16QAM	1	1	22.07	21.62	21.46	1
			64QAM	1	1	20.61	20.27	19.99	2.5
			256QAM	1	1	18.55	18.15	18.06	4.5
		CP	QPSK	1	1	21.56	21.24	21.02	1.5

NR TDD Band n77 DoD_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631334		635332	
						3470.01 MHz		3529.98 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	23.28		22.84	0
				1	53	23.03		22.68	0
				1	104	23.06		22.88	0
				50	0	22.67		22.20	0.5
				50	28	23.04		22.64	0
				50	56	22.52		22.20	0.5
				100	0	22.49		22.19	0.5
			QPSK	1	1	23.19		22.69	0
				1	53	22.91		22.56	0
				1	104	23.03		22.74	0
				50	0	22.11		21.71	1
				50	28	23.01		22.60	0
				50	56	22.10		21.68	1
				100	0	22.05		21.66	1
			16QAM	1	1	22.26		21.79	1
			64QAM	1	1	20.79		20.24	2.5
			256QAM	1	1	18.75		18.25	4.5
		CP	QPSK	1	1	21.80		21.29	1.5

NR TDD Band n77 DoD_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
						631668		635000	
						3475.02 MHz		3525 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	22.87		22.47	0
				1	67	22.68		22.31	0
				1	131	22.60		22.33	0
				64	0	22.23		21.93	0.5
				64	35	22.69		22.33	0
				64	69	22.03		21.83	0.5
				128	0	22.21		21.86	0.5
			QPSK	1	1	22.84		22.32	0
				1	67	22.52		22.17	0
				1	131	22.54		22.31	0
				64	0	21.75		21.35	1
				64	35	22.75		22.25	0
				64	69	21.54		21.35	1
				128	0	21.65		21.34	1
			16QAM	1	1	21.78		21.28	1
			64QAM	1	1	20.33		20.01	2.5
			256QAM	1	1	18.33		17.93	4.5
		CP	QPSK	1	1	21.43		20.93	1.5

NR TDD Band n77 DoD_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1		22.69		0
				1	81		22.44		0
				1	160		22.39		0
				81	0		22.12		0.5
				81	41		22.50		0
				81	81		21.94		0.5
				162	0		21.99		0.5
			QPSK	1	1		22.60		0
				1	81		22.44		0
				1	160		22.33		0
				81	0		21.60		1
				81	41		22.47		0
				81	81		21.38		1
				162	0		21.51		1
			16QAM	1	1		21.67		1
			64QAM	1	1		20.27		2.5
			256QAM	1	1		18.11		4.5
		CP	QPSK	1	1		21.19		1.5

NR TDD Band n77 DoD_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR [dB]
							633334		
							3500.01 MHz		
80 MHz	30	DFT-s	pi/2 BPSK	1	1		22.81		0
				1	109		22.55		0
				1	215		22.33		0
				108	0		22.17		0.5
				108	55		22.48		0
				108	109		21.94		0.5
				216	0		21.99		0.5
			QPSK	1	1		22.73		0
				1	109		22.54		0
				1	215		22.32		0
				108	0		21.76		1
				108	55		22.50		0
				108	109		21.47		1
				216	0		21.56		1
			16QAM	1	1		21.75		1
			64QAM	1	1		20.34		2.5
			256QAM	1	1		18.27		4.5
		CP	QPSK	1	1		21.28		1.5

NR TDD Band n77 DoD_90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]
							633334	
90 MHz	30	DFT-s	pi/2 BPSK	1	1		3500.01 MHz	0
				1	123		22.88	0
				1	243		22.60	0
				120	0		22.35	0
				120	63		22.22	0.5
				120	125		22.49	0
			QPSK	243	0		21.91	0.5
				1	1		22.15	0.5
				1	123		22.87	0
				1	243		22.52	0
				120	0		22.24	0
				120	63		21.71	1
				120	125		22.52	0
				243	0		21.39	1
			16QAM	1	1		21.54	1
			64QAM	1	1		21.78	1
			256QAM	1	1		20.39	2.5
			CP	QPSK	1	1	18.41	4.5
							21.41	1.5

NR TDD Band n77 DoD_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Max. Average Power (dBm)		MPR [dB]
							633334	
100MHz	30	DFT-s	pi/2 BPSK	1	1		3500.01 MHz	0
				1	137		22.92	0
				1	271		22.57	0
				135	0		22.43	0
				135	69		22.29	0.5
				135	138		22.49	0
				270	0		21.94	0.5
			QPSK	1	1		22.04	0.5
				1	137		22.90	0
				1	271		22.52	0
				135	0		22.36	0
				135	69		21.69	1
				135	138		22.60	0
				270	0		21.45	1
			16QAM	1	1		21.62	1
			64QAM	1	1		21.89	1
			256QAM	1	1		20.38	2.5
			CP	QPSK	1	1	18.42	4.5
							21.32	1.5

NR TDD Band n77 Reduced Conducted Output Power (Grip back Activated)

NR TDD Band n77_ 20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced 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	6.89	6.64	6.69	6.58	6.51	6.84	0
				1	26	6.80	6.53	6.65	6.57	6.55	6.72	0
				1	49	6.87	6.55	6.71	6.71	6.61	6.93	0
				25	0	6.88	6.58	6.58	6.57	6.61	6.72	0
				25	13	6.90	6.54	6.55	6.52	6.50	6.71	0
				25	26	6.78	6.47	6.61	6.54	6.55	6.93	0
				50	0	6.87	6.56	6.63	6.56	6.57	6.77	0
			QPSK	1	1	6.91	6.52	6.63	6.47	6.53	6.79	0
				1	26	6.75	6.44	6.52	6.46	6.50	6.65	0
				1	49	6.78	6.54	6.55	6.57	6.63	6.86	0
				25	0	6.92	6.60	6.57	6.58	6.53	6.75	0
				25	13	6.80	6.54	6.62	6.52	6.50	6.77	0
				25	26	6.88	6.49	6.59	6.52	6.61	6.86	0
				50	0	6.90	6.50	6.66	6.50	6.63	6.75	0
			16QAM	1	1	6.86	6.47	6.53	6.51	6.50	6.68	0
			64QAM	1	1	6.85	6.59	6.64	6.60	6.49	6.75	0
			256QAM	1	1	6.96	6.55	6.59	6.51	6.46	6.85	0
		CP	QPSK	1	1	6.96	6.57	6.55	6.56	6.54	6.88	0

NR TDD Band n77_ 30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced 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	pi/2 BPSK	1	1	6.79	6.60	6.61	6.54	6.47	6.81	0
				1	39	6.77	6.44	6.56	6.51	6.53	6.71	0
				1	76	6.86	6.47	6.68	6.66	6.57	6.91	0
				36	0	6.87	6.54	6.51	6.49	6.58	6.70	0
				36	21	6.84	6.47	6.55	6.51	6.43	6.70	0
				36	42	6.70	6.39	6.55	6.49	6.47	6.83	0
				75	0	6.82	6.55	6.59	6.48	6.49	6.75	0
			QPSK	1	1	6.83	6.49	6.56	6.46	6.49	6.72	0
				1	39	6.68	6.41	6.46	6.41	6.47	6.59	0
				1	76	6.78	6.53	6.53	6.52	6.56	6.83	0
				36	0	6.84	6.54	6.56	6.57	6.44	6.74	0
				36	21	6.73	6.46	6.62	6.42	6.45	6.70	0
				36	42	6.85	6.39	6.57	6.52	6.60	6.79	0
				75	0	6.87	6.48	6.62	6.47	6.59	6.71	0
			16QAM	1	1	6.86	6.41	6.46	6.48	6.48	6.68	0
			64QAM	1	1	6.80	6.55	6.62	6.60	6.49	6.70	0
			256QAM	1	1	6.90	6.47	6.55	6.45	6.40	6.75	0
		CP	QPSK	1	1	6.87	6.53	6.50	6.56	6.48	6.81	0

NR TDD Band n77_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced 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	7.10	6.81	6.80	7.03	6.93	7.01	0
				1	53	7.01	6.80	6.82	6.94	6.80	7.00	0
				1	104	7.03	6.90	6.97	6.84	6.96	7.11	0
				50	0	7.04	6.75	6.81	6.92	6.83	7.07	0
				50	28	6.94	6.75	6.87	6.86	6.88	7.04	0
				50	56	6.90	6.84	6.88	6.91	6.89	7.14	0
				100	0	7.05	6.81	6.84	6.87	6.92	7.00	0
			QPSK	1	1	7.00	6.74	6.80	6.87	6.88	6.94	0
				1	53	6.85	6.67	6.84	6.79	6.81	6.94	0
				1	104	7.01	6.88	6.97	6.78	6.84	7.05	0
				50	0	7.04	6.71	6.86	6.94	6.87	7.00	0
				50	28	6.96	6.78	6.81	6.81	6.91	7.03	0
				50	56	6.96	6.81	6.90	6.92	6.89	7.04	0
				100	0	6.98	6.78	6.84	6.83	6.90	7.01	0
			16QAM	1	1	7.05	6.74	6.77	6.93	6.89	6.94	0
			64QAM	1	1	7.09	6.77	6.85	6.86	6.93	7.03	0
			256QAM	1	1	7.07	6.86	6.83	6.98	6.96	6.94	0
		CP	QPSK	1	1	7.06	6.83	6.85	6.97	6.94	6.96	0

NR TDD Band n77_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced 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	6.63	6.43	6.39		6.35	6.78	0
				1	67	6.71	6.44	6.57		6.54	6.73	0
				1	131	6.66	6.53	6.60		6.54	6.75	0
				64	0	6.65	6.46	6.53		6.40	6.65	0
				64	35	6.65	6.54	6.56		6.54	6.69	0
				64	69	6.64	6.45	6.58		6.56	6.67	0
				128	0	6.63	6.59	6.58		6.45	6.75	0
			QPSK	1	1	6.56	6.35	6.35		6.29	6.61	0
				1	67	6.64	6.44	6.53		6.48	6.60	0
				1	131	6.62	6.52	6.57		6.55	6.66	0
				64	0	6.61	6.44	6.52		6.51	6.69	0
				64	35	6.70	6.56	6.61		6.59	6.76	0
				64	69	6.64	6.50	6.54		6.61	6.73	0
				128	0	6.72	6.53	6.55		6.56	6.78	0
			16QAM	1	1	6.53	6.40	6.33		6.29	6.62	0
			64QAM	1	1	6.50	6.45	6.40		6.28	6.71	0
			256QAM	1	1	6.63	6.37	6.39		6.26	6.60	0
		CP	QPSK	1	1	6.56	6.38	6.37		6.38	6.61	0

NR TDD Band n77_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]						MPR [dB]
						648668	653556			658444	663332	
						3730.02	3803.34			3876.66	3949.98	
						MHz	MHz			MHz	MHz	
60 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	6.68	6.52			6.45	6.50	0
				1	81	6.65	6.65			6.64	6.65	0
				1	160	6.63	6.48			6.69	6.59	0
				81	0	6.70	6.45			6.52	6.58	0
				81	41	6.66	6.56			6.64	6.66	0
				81	81	6.59	6.57			6.63	6.70	0
			QPSK	162	0	6.63	6.53			6.58	6.55	0
				1	1	6.46	6.32			6.31	6.31	0
				1	81	6.61	6.54			6.53	6.56	0
				1	160	6.44	6.44			6.60	6.58	0
				81	0	6.65	6.58			6.40	6.48	0
				81	41	6.69	6.58			6.59	6.59	0
				81	81	6.57	6.49			6.55	6.61	0
				162	0	6.69	6.53			6.57	6.60	0
			16QAM	1	1	6.56	6.33			6.37	6.38	0
			64QAM	1	1	6.55	6.53			6.42	6.40	0
			256QAM	1	1	6.59	6.46			6.32	6.36	0
		CP	QPSK	1	1	6.65	6.50			6.35	6.43	0

NR TDD Band n77_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]						MPR [dB]
						649334		656000		662666		
						3740.01		3840		3939.99		
						MHz		MHz		MHz		
80 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	6.70		6.51		6.46		0
				1	109	6.63		6.58		6.64		0
				1	215	6.51		6.42		6.48		0
				108	0	6.68		6.46		6.47		0
				108	55	6.65		6.57		6.60		0
				108	109	6.59		6.53		6.60		0
			QPSK	216	0	6.59		6.57		6.56		0
				1	1	6.67		6.44		6.44		0
				1	109	6.59		6.59		6.52		0
				1	215	6.39		6.44		6.40		0
				108	0	6.59		6.51		6.48		0
				108	55	6.58		6.60		6.56		0
				108	109	6.57		6.57		6.56		0
				216	0	6.51		6.52		6.57		0
			16QAM	1	1	6.62		6.42		6.47		0
			64QAM	1	1	6.54		6.42		6.44		0
			256QAM	1	1	6.69		6.41		6.47		0
		CP	QPSK	1	1	6.60		6.37		6.44		0

NR TDD Band n77_ 90 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced 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	6.60		6.43		6.57		0
				1	123	6.54		6.61		6.58		0
				1	243	6.70		6.51		6.47		0
				120	0	6.58		6.59		6.56		0
				120	63	6.61		6.67		6.55		0
				120	125	6.58		6.58		6.46		0
			QPSK	243	0	6.50		6.54		6.53		0
				1	1	6.53		6.48		6.50		0
				1	123	6.46		6.52		6.47		0
				1	243	6.62		6.38		6.32		0
				120	0	6.62		6.41		6.53		0
				120	63	6.58		6.54		6.58		0
				120	125	6.66		6.50		6.48		0
				243	0	6.57		6.48		6.53		0
				16QAM	1	1	6.53		6.30		6.46	0
				64QAM	1	1	6.52		6.33		6.53	0
				256QAM	1	1	6.52		6.38		6.51	0
		CP	QPSK	1	1	6.58		6.34		6.60		0

NR TDD Band n77_ 100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]						MPR [dB]
						650000				662000		
						3750 MHz				3930 MHz		
100 MHz	30	DFT-s OFDM	pi/2 BPSK	1	1	6.67				6.47		0
				1	137	6.68				6.53		0
				1	271	6.60				6.54		0
				135	0	6.56				6.40		0
				135	69	6.67				6.56		0
				135	138	6.56				6.54		0
			QPSK	270	0	6.72				6.53		0
				1	1	6.54				6.40		0
				1	137	6.69				6.59		0
				1	271	6.58				6.44		0
				135	0	6.62				6.53		0
				135	69	6.64				6.54		0
				135	138	6.58				6.58		0
				270	0	6.53				6.52		0
			16QAM	1	1	6.53				6.34		0
			64QAM	1	1	6.54				6.43		0
			256QAM	1	1	6.56				6.37		0
		CP	QPSK	1	1	6.63				6.56		0

NR TDD Band n77 DoD Reduced Conducted Output Power (Grip back Activated)

NR TDD Band n77 DoD_20 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						630668	633334	636000	
						3460.02 MHz	3500.01 MHz	3540 MHz	
20 MHz	30	DFT-s	pi/2 BPSK	1	1	7.21	6.77	6.63	0
				1	26	6.97	6.70	6.46	0
				1	49	7.06	6.66	6.57	0
				25	0	7.09	6.70	6.56	0
				25	13	7.01	6.67	6.49	0
				25	26	6.97	6.70	6.52	0
				50	0	7.01	6.75	6.59	0
			QPSK	1	1	7.18	6.74	6.61	0
				1	26	6.99	6.58	6.45	0
				1	49	6.94	6.56	6.56	0
				25	0	7.09	6.69	6.52	0
				25	13	7.00	6.69	6.50	0
				25	26	7.04	6.56	6.61	0
				50	0	7.00	6.75	6.55	0
			16QAM	1	1	7.07	6.71	6.50	0
			64QAM	1	1	7.11	6.78	6.52	0
			256QAM	1	1	7.21	6.71	6.60	0
		CP	QPSK	1	1	7.17	6.70	6.62	0

NR TDD Band n77 DoD_30 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						631000	633334	635666	
						3465 MHz	3500.01 MHz	3534.99 MHz	
30 MHz	30	DFT-s	pi/2 BPSK	1	1	7.31	6.83	6.65	0
				1	39	7.05	6.76	6.50	0
				1	76	7.06	6.76	6.65	0
				36	0	7.12	6.75	6.59	0
				36	21	7.05	6.77	6.55	0
				36	42	7.01	6.77	6.54	0
				75	0	7.09	6.76	6.67	0
			QPSK	1	1	7.25	6.83	6.61	0
				1	39	7.03	6.60	6.47	0
				1	76	6.97	6.63	6.63	0
				36	0	7.10	6.77	6.56	0
				36	21	7.05	6.74	6.51	0
				36	42	7.09	6.60	6.65	0
				75	0	7.01	6.81	6.62	0
			16QAM	1	1	7.16	6.80	6.54	0
			64QAM	1	1	7.14	6.83	6.60	0
			256QAM	1	1	7.26	6.74	6.64	0
		CP	QPSK	1	1	7.20	6.79	6.63	0

NR TDD Band n77 DoD_40 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						631334		635332	
						3470.01 MHz		3529.98 MHz	
40 MHz	30	DFT-s	pi/2 BPSK	1	1	7.30		6.90	0
				1	53	7.06		6.75	0
				1	104	7.13		6.97	0
				50	0	7.16		6.92	0
				50	28	7.08		6.70	0
				50	56	7.14		6.89	0
				100	0	7.33		6.85	0
			QPSK	1	1	7.20		6.78	0
				1	53	7.01		6.66	0
				1	104	7.09		6.92	0
				50	0	7.27		6.77	0
				50	28	7.14		6.78	0
				50	56	7.15		6.80	0
				100	0	7.12		6.85	0
			16QAM	1	1	7.28		6.85	0
			64QAM	1	1	7.32		6.77	0
			256QAM	1	1	7.23		6.81	0
		CP	QPSK	1	1	7.19		6.88	0

NR TDD Band n77 DoD_50 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
						631668		635000	
						3475.02 MHz		3525 MHz	
50 MHz	30	DFT-s	pi/2 BPSK	1	1	6.92		6.41	0
				1	67	6.73		6.31	0
				1	131	6.58		6.44	0
				64	0	6.73		6.33	0
				64	35	6.77		6.30	0
				64	69	6.65		6.40	0
				128	0	6.69		6.27	0
			QPSK	1	1	6.73		6.33	0
				1	67	6.48		6.25	0
				1	131	6.59		6.32	0
				64	0	6.74		6.37	0
				64	35	6.66		6.32	0
				64	69	6.67		6.36	0
				128	0	6.76		6.43	0
			16QAM	1	1	6.77		6.33	0
			64QAM	1	1	6.80		6.32	0
			256QAM	1	1	6.79		6.38	0
		CP	QPSK	1	1	6.94		6.43	0

NR TDD Band n77 DoD_60 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
							633334		
							3500.01 MHz		
60 MHz	30	DFT-s	pi/2 BPSK	1	1		6.68		0
				1	81		6.61		0
				1	160		6.58		0
				81	0		6.58		0
				81	41		6.55		0
				81	81		6.57		0
				162	0		6.50		0
			QPSK	1	1		6.52		0
				1	81		6.50		0
				1	160		6.43		0
				81	0		6.62		0
				81	41		6.58		0
				81	81		6.49		0
				162	0		6.55		0
			16QAM	1	1		6.60		0
			64QAM	1	1		6.69		0
			256QAM	1	1		6.61		0
		CP	QPSK	1	1		6.69		0

NR TDD Band n77 DoD_80 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]			MPR [dB]
							633334		
							3500.01 MHz		
80 MHz	30	DFT-s	pi/2 BPSK	1	1		6.71		0
				1	109		6.59		0
				1	215		6.30		0
				108	0		6.72		0
				108	55		6.56		0
				108	109		6.58		0
				216	0		6.54		0
			QPSK	1	1		6.77		0
				1	109		6.52		0
				1	215		6.25		0
				108	0		6.65		0
				108	55		6.61		0
				108	109		6.57		0
				216	0		6.56		0
			16QAM	1	1		6.70		0
			64QAM	1	1		6.72		0
			256QAM	1	1		6.69		0
		CP	QPSK	1	1		6.77		0

NR TDD Band n77 DoD_90 MHz Bandwidth Conducted Power

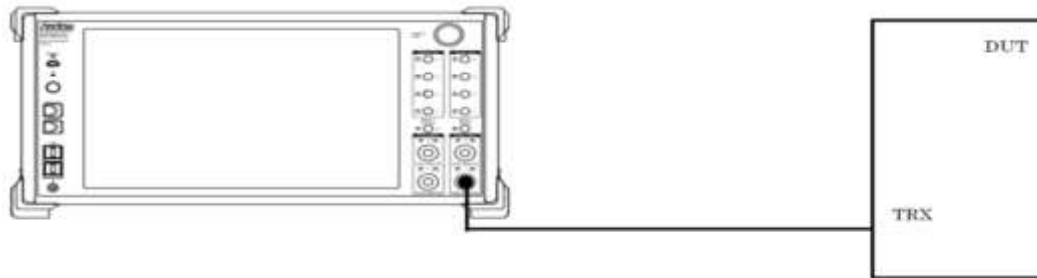
Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]		MPR [dB]
							633334	
90 MHz	30	DFT-s	pi/2 BPSK	1	1		3500.01 MHz	0
				1	123		6.88	0
				1	243		6.53	0
				120	0		6.41	0
				120	63		6.60	0
				120	125		6.52	0
				243	0		6.46	0
			QPSK	1	1		6.57	0
				1	123		6.87	0
				1	243		6.60	0
				120	0		6.31	0
				120	63		6.66	0
				120	125		6.58	0
				243	0		6.44	0
			16QAM	1	1		6.55	0
			64QAM	1	1		6.75	0
			256QAM	1	1		6.84	0
			CP	QPSK	1	1	6.83	0
							6.81	0

NR TDD Band n77 DoD_100 MHz Bandwidth Conducted Power

Bandwidth	SCS(kHz)	OFDM	Modulation	RB Size	RB Offset	Reduced Power [dBm]		MPR [dB]
							633334	
100MHz	30	DFT-s	pi/2 BPSK	1	1		3500.01 MHz	0
				1	137		6.85	0
				1	271		6.66	0
				135	0		6.46	0
				135	69		6.72	0
				135	138		6.64	0
				270	0		6.47	0
			QPSK	1	1		6.55	0
				1	137		6.79	0
				1	271		6.47	0
				135	0		6.29	0
				135	69		6.66	0
				135	138		6.64	0
				270	0		6.43	0
			16QAM	1	1		6.53	0
			64QAM	1	1		6.75	0
			256QAM	1	1		6.80	0
			CP	QPSK	1	1	6.79	0
							6.80	0

11.5 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.

Phone2
LTE
30.3754005

Phone1
LTE
30.3754005

DL Channel: 40340 ch
Operation Band: 41
TPC Pattern: AB + 3dB
Channel Bandwidth: 20 MHz
Input Level: 20.0 dBm
Output Level: 20.0 dBm

Authentication Key K [1x] AUTH_KEY
This sets the UE authentication key (Authentication Key with 128 bits and hexadecimal number).

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

PCC SCC1 SCC2 SCC3 >>

Measurement Signaling

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
SRS

SequenceMonitor
Idle
Detach
Registration
Idle Request
UE Origination
NW Origination
Connected
Handover
UE Release
NW Release

UE Report
IMSI/DEC: 001010123456789
IMEI: 355888090000740
IMEI (Check Digit): 355888090000745
UE Category: 10
UE CategoryDL: 10
UE CategoryUL: 13
PDN Type: IPv4v6

Signaling Trace
U-S Message Description Time at RRC
-> UplinkInformationTransfer IDENTITY RESPONSE 00:27:01.089 (00:00:015)
-> UE Capability Inquiry 00:27:01.089 (00:00:000)
-> UplinkInformationTransfer 00:27:01.243 (00:00:154)
-> UplinkInformationTransfer AUTHENTICATION REQUEST 00:27:01.244 (00:00:001)
-> UplinkInformationTransfer AUTHENTICATION RESPONSE 00:27:01.283 (00:00:039)
-> UplinkInformationTransfer SECURITY MODE COMMAND 00:27:01.293 (00:00:010)
-> UplinkInformationTransfer SECURITY MODE COMPLETE 00:27:01.399 (00:00:100)
-> UplinkInformationTransfer ACTIVATE TEST MODE 00:27:01.409 (00:00:010)
-> UplinkInformationTransfer ACTIVATE TEST MODE COMPLETE 00:27:01.424 (00:00:015)
-> SecurityModeCommand 00:27:01.424 (00:00:000)
-> SecurityModeComplete 00:27:01.579 (00:00:155)
-> RRCConnectionReconfiguration ATTACH ACCEPT 00:27:01.594 (00:00:015)
-> RRCConnectionReconfigurationComplete ATTACH COMPLETE 00:27:01.618 (00:00:024)
-> UplinkInformationTransfer 00:27:01.639 (00:00:021)
-> RRCConnectionRelease 00:27:01.739 (00:00:100)

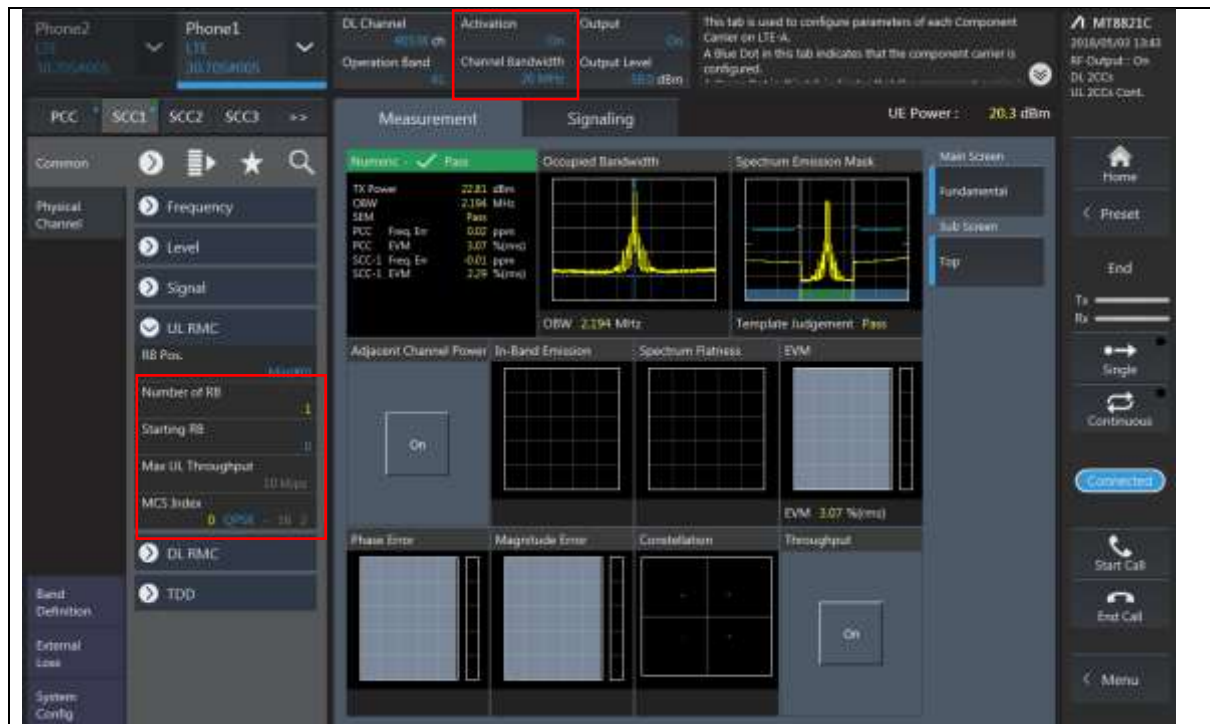
Function
Measurement Report
Measurement Report Once
Trace Clear
UE Capability Information

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

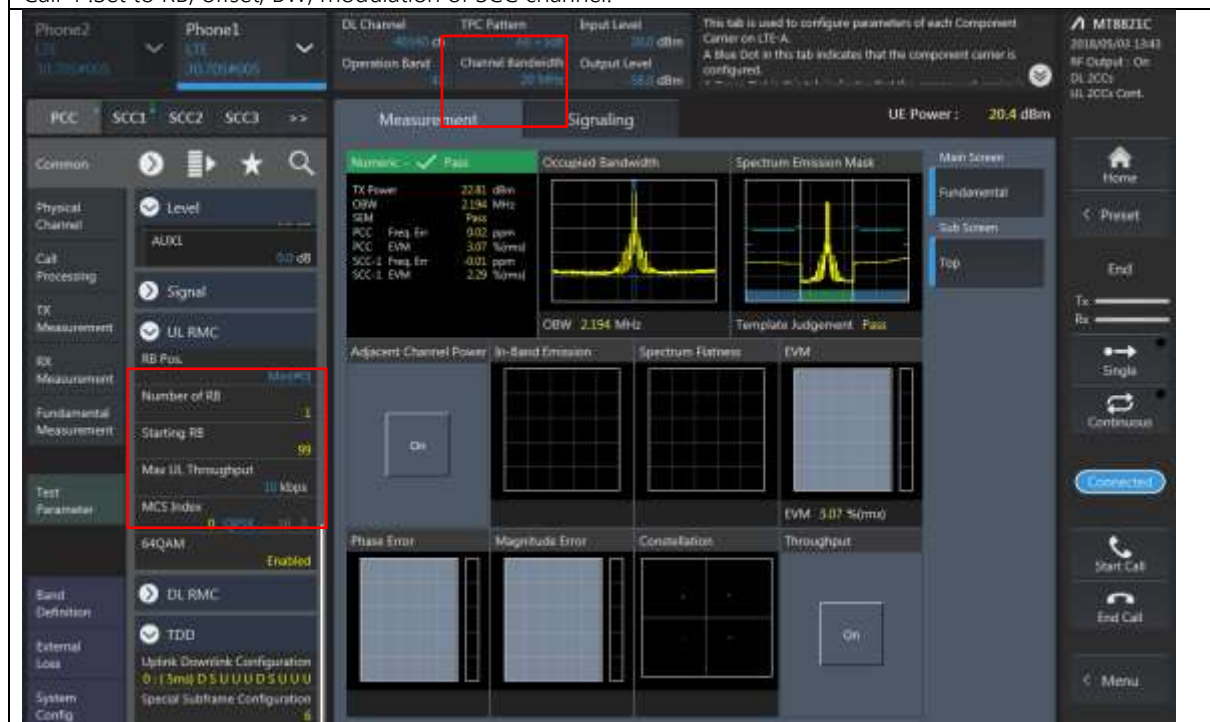
Call 1 :Select PCC Configuration for Authentication key to Register

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

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.

Uplink Carrier aggregation Conducted Powers

LTE TDD Band 7 Conducted Power_ Measured Reduced Power(Grip)

Combination	PCC						SCC						Tx Power	
	Band	BW	PCC UL Channel	PCC UL Frequency	RB	offset	Band	BW	SCC UL Channel	SCC UL Frequency	RB	offset	LTE Single Carrier Tx Power (dBm)	LTE Tx Power witU UL CA Enabled(dBm)
7C	7	20	21350	2560	50	0	7	20	21152	2540.2	50	49	11.98	11.81

LTE TDD Band 41 Conducted Power_ Measured Reduced Power(Grip)

Combination	PCC						SCC						Tx Power	
	Band	BW	PCC UL Channel	PCC UL Frequency	RB	offset	Band	BW	SCC UL Channel	SCC UL Frequency	RB	offset	LTE Single Carrier Tx Power (dBm)	LTE Tx Power witU UL CA Enabled(dBm)
41C	41	20	41490	2680	1	0	41	20	41292	2660.2	1	99	14.08	14.02

LTE TDD Band 42 Conducted Power_ Measured Max Power

Combination	PCC						SCC						Tx Power	
	Band	BW	PCC UL Channel	PCC UL Frequency	RB	offset	Band	BW	SCC UL Channel	SCC UL Frequency	RB	offset	LTE Single Carrier Tx Power (dBm)	LTE Tx Power witU UL CA Enabled(dBm)
42C	42	20	42190	3460	1	0	42	20	41992	3440.2	1	99	8.97	8.80

12. System Verification

12.1 Tissue Verification

The head 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
05/07/2024	19.1	750H	705	0.862	43.181	0.889	42.174	-3.04	2.39
			710	0.868	43.108	0.890	42.148	-2.47	2.28
			750	0.911	42.524	0.893	41.940	2.02	1.39
05/08/2024	19.4	750H	750	0.880	42.727	0.893	41.940	-1.46	1.88
			785	0.916	42.220	0.896	41.758	2.23	1.11
05/09/2024	19.7	750H	750	0.881	42.727	0.893	41.940	-1.34	1.88
			785	0.918	42.221	0.896	41.758	2.46	1.11
05/01/2024	18.7	835H	820	0.886	42.493	0.899	41.577	-1.45	2.20
			835	0.902	42.300	0.900	41.500	0.22	1.93
			850	0.917	42.123	0.916	41.500	0.11	1.50
05/03/2024	18.8	835H	820	0.920	41.670	0.899	41.577	2.34	0.22
			835	0.935	41.480	0.900	41.500	3.89	-0.05
			850	0.951	41.241	0.916	41.500	3.82	-0.62
05/23/2024	18.9	835H	820	0.917	41.602	0.899	41.577	2.00	0.06
			835	0.934	41.339	0.900	41.500	3.78	-0.39
			850	0.950	41.078	0.916	41.500	3.71	-1.02
04/30/2024	18.2	1800H	1 710	1.316	41.377	1.348	40.144	-2.37	3.07
			1 750	1.358	41.203	1.371	40.080	-0.95	2.80
			1 800	1.430	41.000	1.400	40.000	2.14	2.50
05/02/2024	19.4	1800H	1 710	1.326	40.724	1.348	40.144	-1.63	1.44
			1 750	1.371	40.572	1.371	40.080	0.00	1.23
			1 800	1.426	40.331	1.400	40.000	1.86	0.83
06/17/2024	20.6	1800H	1710	1.318	39.829	1.348	40.144	-2.23	-0.78
			1750	1.349	39.856	1.371	40.080	-1.60	-0.56
			1800	1.387	39.759	1.400	40.000	-0.93	-0.60
04/29/2024	21.7	1900H	1 850	1.390	40.961	1.400	40.000	-0.71	2.40
			1 900	1.450	40.700	1.400	40.000	3.57	1.75
			1 910	1.452	40.688	1.400	40.000	3.71	1.72
04/30/2024	18.9	1900H	1 850	1.378	40.242	1.400	40.000	-1.57	0.60
			1 900	1.426	40.025	1.400	40.000	1.86	0.06
			1 910	1.435	39.978	1.400	40.000	2.50	-0.05
05/22/2024	19.2	1900H	1 850	1.374	39.407	1.400	40.000	-1.86	-1.48
			1 900	1.422	39.188	1.400	40.000	1.57	-2.03
			1 910	1.432	39.139	1.400	40.000	2.29	-2.15
04/29/2024	19.7	2600H	2 500	1.904	39.936	1.855	39.140	2.64	2.03
			2 600	1.999	39.507	1.964	39.010	1.78	1.27
			2 690	2.084	39.060	2.062	38.894	1.07	0.43
05/31/2024	22.8	2600H	2 500	1.880	39.300	1.855	39.140	1.35	0.41
			2 600	2.000	39.200	1.964	39.010	1.83	0.49
			2 690	2.110	38.400	2.062	38.894	2.33	-1.27
06/03/2024	23.0	2600H	2 500	1.850	39.300	1.855	39.140	-0.27	0.41
			2 600	1.980	39.200	1.964	39.010	0.81	0.49
			2 690	2.080	38.300	2.062	38.894	0.87	-1.53
06/26/2024	20.2	2600H	2 500	1.879	39.312	1.855	39.140	1.29	0.44
			2 600	2.007	39.160	1.964	39.010	2.19	0.38
			2 690	2.114	38.346	2.062	38.894	2.52	-1.41

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
06/27/2024	20.3	2600H	2 500	1.851	39.611	1.855	39.140	-0.22	1.20
			2 600	1.978	39.463	1.964	39.010	0.71	1.16
			2 690	2.085	38.648	2.062	38.894	1.12	-0.63
06/05/2024	22.8	3 400H~ 3 550H	3400	2.880	38.400	2.810	38.040	2.49	0.95
			3500	2.940	38.200	2.913	37.930	0.93	0.71
			3550	2.980	38.100	2.964	37.870	0.54	0.61
06/28/2024	20.0	3 400H~ 3 550H	3400	2.745	38.675	2.810	38.040	-2.31	1.67
			3500	2.909	38.735	2.913	37.930	-0.14	2.12
			3550	2.965	38.911	2.964	37.870	0.03	2.75
06/10/2024	24.0	3 500H~ 3 700H	3 500	2.900	38.200	2.913	37.930	-0.45	0.71
			3 550	2.940	38.100	2.964	37.870	-0.81	0.61
			3 650	3.040	37.900	3.066	37.760	-0.85	0.37
			3 700	3.090	37.800	3.118	37.770	-0.90	0.08
06/04/2024	19.8	3400H- 3970H	3 400	2.866	38.907	2.810	38.040	1.99	2.28
			3 500	2.937	38.716	2.913	37.930	0.82	2.07
			3 550	2.979	38.636	2.964	37.870	0.51	2.02
			3 700	3.113	38.493	3.118	37.700	-0.16	2.10
			3 750	3.154	38.470	3.169	37.640	-0.47	2.21
			3 800	3.192	38.437	3.220	37.590	-0.87	2.25
			3 900	3.260	38.273	3.233	37.470	0.84	2.14
			3 970	3.320	38.132	3.394	37.390	-2.18	1.98

12.2 System Verification

Input Power: 50 mW

Freq.	Date	Probe	Dipole	Liquid	Amb. Temp.	Liquid Temp.	1 W Target SAR _{1g} (SPEAG)	50mW Measured SAR _{1g}	1 W Normalized SAR _{1g}	Deviation	Limit
[MHz]		(S/N)	(S/N)		[°C]	[°C]	[W/kg]	[W/kg]	[W/kg]	[%]	[%]
750	05/07/2024	7309	1014	Head	19.2	19.1	8.59	0.403	8.06	- 6.17	± 10
750	05/08/2024	7309		Head	19.5	19.4	8.59	0.412	8.24	- 4.07	± 10
750	05/09/2024	7309		Head	19.8	19.7	8.59	0.417	8.34	- 2.91	± 10
835	05/01/2024	3768	441	Head	18.8	18.7	9.73	0.463	9.26	- 4.83	± 10
835	05/03/2024	7309		Head	18.9	18.8	9.73	0.530	10.6	+ 8.94	± 10
835	05/23/2024	7309		Head	19.0	18.9	9.73	0.515	10.3	+ 5.86	± 10
1 800	04/30/2024	3768	2d007	Head	18.3	18.2	39.0	1.86	37.2	- 4.62	± 10
1 800	05/02/2024	7309		Head	19.5	19.4	39.0	1.89	37.8	- 3.08	± 10
1 800	06/17/2024	3768		Head	20.7	20.6	39.0	2.07	41.4	+ 6.15	± 10
1 900	04/29/2024	3768	5d032	Head	21.8	21.7	40.2	2.01	40.2	+ 0.00	± 10
1 900	04/30/2024	7309		Head	19.0	18.9	40.2	2.02	40.4	+ 0.50	± 10
1 900	05/22/2024	7309		Head	19.3	19.2	40.2	2.02	40.4	+ 0.50	± 10
2 600	04/29/2024	7309	1015	Head	19.8	19.7	56.4	2.95	59.0	+ 4.61	± 10
2 600	05/31/2024	7370		Head	22.9	22.8	56.4	2.62	52.4	- 7.09	± 10
2 600	06/03/2024	7370		Head	23.1	23.0	56.4	2.77	55.4	- 1.77	± 10
2 600	06/26/2024	3768		Head	20.3	20.2	56.4	2.69	53.8	-4.61	± 10
2 600	06/27/2024	3768		Head	20.4	20.3	56.4	2.64	52.8	-6.38	± 10
3 500	06/05/2024	7370	1132	Head	22.9	22.8	65.1	3.22	64.4	- 1.08	± 10
3 500	06/10/2024	7370		Head	24.1	24.0	65.1	3.17	63.4	- 2.61	± 10
3 500	06/04/2024	3768		Head	19.9	19.8	65.1	3.30	66.0	+ 1.38	± 10
3 500	06/28/2024	3768		Head	20.1	20.0	65.1	3.23	64.6	+ 1.38	± 10
3 700	06/10/2024	7370	1105	Head	24.1	24.0	67.1	3.51	70.2	+ 4.62	± 10
3 700	06/04/2024	3768		Head	19.9	19.8	67.1	3.20	64.0	- 4.62	± 10
3 900	06/04/2024	3768	1086	Head	19.9	19.8	67.6	3.50	70.0	+ 3.55	± 10

12.3 System Verification Procedure

SAR measurement was prior to assessment; the system is verified to the ± 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 Body SAR Measurement Results

UMTS Band 2 Body SAR														
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)				(mm)	(W/kg)		(W/kg)	
1880	9400	RMC	Main	15.0	13.86	-0.16	Rear	Active	1:1	0	0.052	1.300	0.068	-
1880	9400	RMC	Main	15.0	13.86	0.11	Rear Tilt	Active	1:1	0	0.383	1.300	0.498	-
1880	9400	RMC	Main	15.0	13.86	0.09	Edge 4	Active	1:1	0	0.114	1.300	0.148	-
1880	9400	RMC	Main	15.0	13.86	-0.11	Edge 4 Tilt	Active	1:1	0	0.099	1.300	0.129	-
1880	9400	RMC	Main	24.5	23.32	0.00	Edge 2	Inactive	1:1	0	0.044	1.312	0.058	-
1880	9400	RMC	Main	24.5	23.32	-0.11	Edge 2 Tilt	Inactive	1:1	0	0.053	1.312	0.070	-
1880	9400	RMC	Main	15.0	13.86	0.11	Edge 1	Active	1:1	0	0.437	1.300	0.568	B1
1880	9400	RMC	Main	24.5	23.32	-0.14	Rear	Inactive	1:1	25	0.036	1.312	0.047	-
1880	9400	RMC	Main	24.5	23.32	0.01	Edge 4	Inactive	1:1	5	0.352	1.312	0.462	-
1880	9400	RMC	Main	24.5	23.32	-0.07	Edge 1	Inactive	1:1	45	0.129	1.312	0.169	-
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														
Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)				(mm)	(W/kg)		(W/kg)	
1732.4	1412	RMC	Main	15.0	14.11	-0.15	Rear	Active	1:1	0	0.091	1.227	0.112	-
1732.4	1412	RMC	Main	15.0	14.11	0.12	Rear Tilt	Active	1:1	0	0.297	1.227	0.364	-
1732.4	1412	RMC	Main	15.0	14.11	0.01	Edge 4	Active	1:1	0	0.047	1.227	0.058	-
1732.4	1412	RMC	Main	15.0	14.11	0.10	Edge 4 Tilt	Active	1:1	0	0.094	1.227	0.115	-
1732.4	1412	RMC	Main	24.5	23.59	0.16	Edge 2	Inactive	1:1	0	0.017	1.233	0.021	-
1732.4	1412	RMC	Main	24.5	23.59	0.09	Edge 2 Tilt	Inactive	1:1	0	0.048	1.233	0.059	-
1732.4	1412	RMC	Main	15.0	14.11	-0.07	Edge 1	Active	1:1	0	0.537	1.227	0.659	B2
1732.4	1412	RMC	Main	24.5	23.59	0.67	Rear	Inactive	1:1	25	0.149	1.233	0.184	-
1732.4	1412	RMC	Main	24.5	23.59	-0.03	Edge 4	Inactive	1:1	5	0.21	1.233	0.259	-
1732.4	1412	RMC	Main	24.5	23.59	-0.12	Edge 1	Inactive	1:1	45	0.179	1.233	0.221	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram							

UMTS Band 5 Body SAR

Frequency		Mode	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(dBm)	(dBm)	(dB)				(mm)	(W/kg)		(W/kg)	
836.6	4183	RMC	Main	16.5	15.24	0.11	Rear	Active	1:1	0	0.065	1.337	0.087	-
836.6	4183	RMC	Main	16.5	15.24	-0.10	Rear Tilt	Active	1:1	0	0.246	1.337	0.329	-
836.6	4183	RMC	Main	16.5	15.24	0.15	Edge 4	Active	1:1	0	0.037	1.337	0.049	-
836.6	4183	RMC	Main	16.5	15.24	0.04	Edge 4 Tilt	Active	1:1	0	0.046	1.337	0.062	-
836.6	4183	RMC	Main	24.5	23.28	-0.16	Edge 2	Inactive	1:1	0	0.112	1.324	0.148	-
836.6	4183	RMC	Main	24.5	23.28	-0.17	Edge 2 Tilt	Inactive	1:1	0	0.065	1.324	0.086	-
836.6	4183	RMC	Main	16.5	15.24	-0.07	Edge 1	Active	1:1	0	0.411	1.337	0.550	B3
836.6	4183	RMC	Main	24.5	23.28	-0.06	Rear	Inactive	1:1	25	0.090	1.324	0.119	-
836.6	4183	RMC	Main	24.5	23.28	0.03	Edge 4	Inactive	1:1	5	0.189	1.324	0.250	-
836.6	4183	RMC	Main	24.5	23.28	-0.06	Edge 1	Inactive	1:1	45	0.115	1.324	0.152	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population							Body 1.6 W/kg Averaged over 1 gram							

LTE FDD Band 7 Body SAR

CC UL PC	Frequency		Mode	Ant.	Band width h	Tune- Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.	
	Mhz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)	(dB)	(mm)	(W/kg)	(W/kg)					
1CC UL	2 560	21350	QPSK	Main	20	13.0	11.98	-0.01	Rear	Active	0	1	0	1:1	0	0.046	1.265	0.058		
1CC UL	2 560	21350	QPSK	Main	20	13.0	12.08	0.00	Rear	Active	0	50	25	1:1	0	0.045	1.236	0.056	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	11.98	0.00	Edge 4	Active	0	1	0	1:1	0	0.028	1.265	0.035	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	12.08	0.00	Edge 4	Active	0	50	25	1:1	0	0.026	1.236	0.032	-	
1CC UL	2 560	21350	QPSK	Main	20	24.0	22.97	-0.02	Edge 2	Inactive	0	1	0	1:1	0	0.044	1.268	0.056	-	
1CC UL	2 560	21350	QPSK	Main	20	23.0	22.23	-0.02	Edge 2	Inactive	1	50	49	1:1	0	0.034	1.194	0.041	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	11.98	-0.08	Edge 1	Active	0	1	0	1:1	0	0.384	1.265	0.486	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	12.08	-0.14	Edge 1	Active	0	50	25	1:1	0	0.399	1.236	0.493	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	11.98	-0.08	Rear Tilt	Active	0	1	0	1:1	0	0.439	1.265	0.555	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	12.08	0.19	Rear Tilt	Active	0	50	25	1:1	0	0.470	1.236	0.581	B4	
1CC UL	2 560	21350	QPSK	Main	20	13.0	11.98	0.00	Edge 4Tilt	Active	0	1	0	1:1	0	0.023	1.265	0.029	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	12.08	0.11	Edge 4 Tilt	Active	0	50	25	1:1	0	0.022	1.236	0.027	-	
1CC UL	2 560	21350	QPSK	Main	20	24.0	22.97	0.00	Edge 2 Tilt	Inactive	0	1	0	1:1	0	0.046	1.268	0.058	-	
1CC UL	2 560	21350	QPSK	Main	20	23.0	22.23	0.00	Edge 2 Tilt	Inactive	1	50	49	1:1	0	0.030	1.194	0.036	-	
1CC UL	2 560	21350	QPSK	Main	20	24.0	22.97	0.17	Rear	Inactive	0	1	0	1:1	25	0.197	1.268	0.250	-	
1CC UL	2 560	21350	QPSK	Main	20	23.0	22.23	0.18	Rear	Inactive	1	50	49	1:1	25	0.144	1.194	0.172	-	
1CC UL	2 560	21350	QPSK	Main	20	24.0	22.97	-0.13	Edge 4	Inactive	0	1	0	1:1	5	0.193	1.268	0.245	-	
1CC UL	2 560	21350	QPSK	Main	20	23.0	22.23	0.18	Edge 4	Inactive	1	50	49	1:1	5	0.134	1.194	0.160	-	
1CC UL	2 560	21350	QPSK	Main	20	24.0	22.97	-0.10	Edge 1	Inactive	0	1	0	1:1	45	0.391	1.268	0.496	-	
1CC UL	2 560	21350	QPSK	Main	20	23.0	22.23	-0.03	Edge 1	Inactive	1	50	49	1:1	45	0.310	1.194	0.370	-	
1CC UL	2 560	21350	QPSK	Main	20	13.0	11.98	0.00	Rear Tilt	Active	0	50	0	1:1	0	0.439	1.265	0.555	-	
2CC UL (7C)	PCC	2560	21350	QPSK	Main	20	13.0	11.81	0.00	Rear Tilt	Active	0	50	0	1:1	0	0.440	1.315	0.579	•
2CC UL (7C)	SCC	2540.2	21152	QPSK	Main	20							50	49						
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram											

• Up-link Carrier Aggregation (7C)

LTE FDD Band 12 Body SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)	(W/kg)		(W/kg)	
707.5	23095	QPSK	Main	10	18.0	16.97	0.11	Rear	Active	0	1	49	1:1	0	0.073	1.268	0.093	-
707.5	23095	QPSK	Main	10	18.0	17.18	0.16	Rear	Active	0	25	0	1:1	0	0.072	1.208	0.087	-
707.5	23095	QPSK	Main	10	18.0	16.97	0.15	Edge 4	Active	0	1	49	1:1	0	0.034	1.268	0.043	-
707.5	23095	QPSK	Main	10	18.0	17.18	0.07	Edge 4	Active	0	25	0	1:1	0	0.032	1.208	0.039	-
707.5	23095	QPSK	Main	10	24.0	23.06	0.01	Edge 2	Inactive	0	1	49	1:1	0	0.021	1.242	0.026	-
707.5	23095	QPSK	Main	10	23.0	22.12	-0.19	Edge 2	Inactive	1	25	12	1:1	0	0.015	1.225	0.018	-
707.5	23095	QPSK	Main	10	18.0	16.97	-0.03	Edge 1	Active	0	1	49	1:1	0	0.411	1.268	0.521	B5
707.5	23095	QPSK	Main	10	18.0	17.18	-0.06	Edge 1	Active	0	25	0	1:1	0	0.427	1.208	0.516	-
707.5	23095	QPSK	Main	10	18.0	16.97	0.14	Rear Tilt	Active	0	1	49	1:1	0	0.252	1.268	0.320	-
707.5	23095	QPSK	Main	10	18.0	17.18	0.14	Rear Tilt	Active	0	25	0	1:1	0	0.239	1.208	0.289	-
707.5	23095	QPSK	Main	10	18.0	16.97	-0.18	Edge 4 Tilt	Active	0	1	49	1:1	0	0.05	1.268	0.063	-
707.5	23095	QPSK	Main	10	18.0	17.18	0.19	Edge 4 Tilt	Active	0	25	0	1:1	0	0.047	1.208	0.057	-
707.5	23095	QPSK	Main	10	24.0	23.06	0.11	Edge 2 Tilt	Inactive	0	1	49	1:1	0	0.035	1.242	0.043	-
707.5	23095	QPSK	Main	10	23.0	22.12	0.10	Edge 2 Tilt	Inactive	1	25	12	1:1	0	0.027	1.225	0.033	-
707.5	23095	QPSK	Main	10	24.0	23.06	-0.19	Rear	Inactive	0	1	49	1:1	25	0.041	1.242	0.051	-
707.5	23095	QPSK	Main	10	23.0	22.12	0.19	Rear	Inactive	1	25	12	1:1	25	0.04	1.225	0.049	-
707.5	23095	QPSK	Main	10	24.0	23.06	0.01	Edge 4	Inactive	0	1	49	1:1	5	0.076	1.242	0.094	-
707.5	23095	QPSK	Main	10	23.0	22.12	0.11	Edge 4	Inactive	1	25	12	1:1	5	0.055	1.225	0.067	-
707.5	23095	QPSK	Main	10	24.0	23.06	0.06	Edge 1	Inactive	0	1	49	1:1	45	0.024	1.242	0.030	-
707.5	23095	QPSK	Main	10	23.0	22.12	-0.12	Edge 1	Inactive	1	25	12	1:1	45	0.019	1.225	0.023	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 13 Body SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)	(W/kg)		(W/kg)	
782	23230	QPSK	Main	10	17.5	16.15	0.14	Rear	Active	0	1	49	1:1	0	0.080	1.365	0.109	-
782	23230	QPSK	Main	10	17.5	16.22	0.14	Rear	Active	0	25	0	1:1	0	0.083	1.343	0.111	-
782	23230	QPSK	Main	10	17.5	16.15	0.19	Edge 4	Active	0	1	49	1:1	0	0.055	1.365	0.075	-
782	23230	QPSK	Main	10	17.5	16.22	0.11	Edge 4	Active	0	25	0	1:1	0	0.057	1.343	0.077	-
782	23230	QPSK	Main	10	24.0	22.52	0.13	Edge 2	Inactive	0	1	49	1:1	0	0.026	1.406	0.037	-
782	23230	QPSK	Main	10	23.0	21.60	-0.17	Edge 2	Inactive	1	25	12	1:1	0	0.011	1.380	0.015	-
782	23230	QPSK	Main	10	17.5	16.15	0.10	Edge 1	Active	0	1	49	1:1	0	0.432	1.365	0.590	B6
782	23230	QPSK	Main	10	17.5	16.22	0.04	Edge 1	Active	0	25	0	1:1	0	0.433	1.343	0.582	-
782	23230	QPSK	Main	10	17.5	16.15	-0.11	Rear Tilt	Active	0	1	49	1:1	0	0.305	1.365	0.416	-
782	23230	QPSK	Main	10	17.5	16.22	0.12	Rear Tilt	Active	0	25	0	1:1	0	0.314	1.343	0.422	-
782	23230	QPSK	Main	10	17.5	16.15	-0.01	Edge 4 Tilt	Active	0	1	49	1:1	0	0.087	1.365	0.119	-
782	23230	QPSK	Main	10	17.5	16.22	-0.13	Edge 4 Tilt	Active	0	25	0	1:1	0	0.082	1.343	0.110	-
782	23230	QPSK	Main	10	24.0	22.52	-0.16	Edge 2 Tilt	Inactive	0	1	49	1:1	0	0.063	1.406	0.088	-
782	23230	QPSK	Main	10	23.0	21.60	0.19	Edge 2 Tilt	Inactive	1	25	12	1:1	0	0.041	1.380	0.057	-
782	23230	QPSK	Main	10	24.0	22.52	-0.06	Rear	Inactive	0	1	49	1:1	25	0.065	1.406	0.091	-
782	23230	QPSK	Main	10	23.0	21.60	0.02	Rear	Inactive	1	25	12	1:1	25	0.056	1.380	0.077	-
782	23230	QPSK	Main	10	24.0	22.52	0.02	Edge 4	Inactive	0	1	49	1:1	5	0.163	1.406	0.229	-
782	23230	QPSK	Main	10	23.0	21.60	0.07	Edge 4	Inactive	1	25	12	1:1	5	0.127	1.380	0.175	-
782	23230	QPSK	Main	10	24.0	22.52	-0.19	Edge 1	Inactive	0	1	49	1:1	45	0.060	1.406	0.084	-
782	23230	QPSK	Main	10	23.0	21.60	-0.08	Edge 1	Inactive	1	25	12	1:1	45	0.046	1.380	0.063	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

LTE FDD Band 14 Body SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)	(W/kg)			
793	23330	QPSK	Main	10	17.5	16.19	-0.19	Rear	Active	0	1	0	1:1	0	0.084	1.352	0.114	-
793	23330	QPSK	Main	10	17.5	16.30	0.14	Rear	Active	0	25	12	1:1	0	0.088	1.318	0.116	-
793	23330	QPSK	Main	10	17.5	16.19	0.17	Edge 4	Active	0	1	0	1:1	0	0.059	1.352	0.080	-
793	23330	QPSK	Main	10	17.5	16.30	0.13	Edge 4	Active	0	25	12	1:1	0	0.06	1.318	0.079	-
793	23330	QPSK	Main	10	24.0	22.53	-0.18	Edge 2	Inactive	0	1	49	1:1	0	0.039	1.403	0.055	-
793	23330	QPSK	Main	10	23.0	21.67	0.06	Edge 2	Inactive	1	25	12	1:1	0	0.016	1.358	0.022	-
793	23330	QPSK	Main	10	17.5	16.19	-0.05	Edge 1	Active	0	1	0	1:1	0	0.453	1.352	0.612	-
793	23330	QPSK	Main	10	17.5	16.30	-0.04	Edge 1	Active	0	25	12	1:1	0	0.475	1.318	0.626	B7
793	23330	QPSK	Main	10	17.5	16.19	0.16	Rear Tilt	Active	0	1	0	1:1	0	0.309	1.352	0.418	-
793	23330	QPSK	Main	10	17.5	16.30	-0.11	Rear Tilt	Active	0	25	12	1:1	0	0.325	1.318	0.428	-
793	23330	QPSK	Main	10	17.5	16.19	-0.18	Edge 4 Tilt	Active	0	1	0	1:1	0	0.095	1.352	0.128	-
793	23330	QPSK	Main	10	17.5	16.30	-0.15	Edge 4 Tilt	Active	0	25	12	1:1	0	0.093	1.318	0.123	-
793	23330	QPSK	Main	10	24.0	22.53	-0.18	Edge 2 Tilt	Inactive	0	1	49	1:1	0	0.06	1.403	0.084	-
793	23330	QPSK	Main	10	23.0	21.67	-0.15	Edge 2 Tilt	Inactive	1	25	12	1:1	0	0.047	1.358	0.064	-
793	23330	QPSK	Main	10	24.0	22.53	-0.18	Rear	Inactive	0	1	49	1:1	25	0.072	1.403	0.101	-
793	23330	QPSK	Main	10	23.0	21.67	0.09	Rear	Inactive	1	25	12	1:1	25	0.06	1.358	0.081	-
793	23330	QPSK	Main	10	24.0	22.53	0.01	Edge 4	Inactive	0	1	49	1:1	5	0.184	1.403	0.258	-
793	23330	QPSK	Main	10	23.0	21.67	-0.01	Edge 4	Inactive	1	25	12	1:1	5	0.143	1.358	0.194	-
793	23330	QPSK	Main	10	24.0	22.53	-0.01	Edge 1	Inactive	0	1	49	1:1	45	0.082	1.403	0.115	-
793	23330	QPSK	Main	10	23.0	21.67	-0.13	Edge 1	Inactive	1	25	12	1:1	45	0.056	1.358	0.076	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

LTE FDD Band 25 Body SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)	(W/kg)			
1860	26140	QPSK	Main	20	15.2	14.08	-0.02	Rear	Active	0	1	49	1:1	0	0.053	1.294	0.069	-
1860	26140	QPSK	Main	20	15.2	14.20	0.00	Rear	Active	0	50	25	1:1	0	0.056	1.259	0.071	-
1860	26140	QPSK	Main	20	15.2	14.08	-0.11	Edge 4	Active	0	1	49	1:1	0	0.112	1.294	0.145	-
1860	26140	QPSK	Main	20	15.2	14.20	-0.01	Edge 4	Active	0	50	25	1:1	0	0.117	1.259	0.147	-
1905	26590	QPSK	Main	20	24.0	22.82	-0.19	Edge 2	Inactive	0	1	0	1:1	0	0.043	1.312	0.056	-
1860	26140	QPSK	Main	20	23.0	21.93	0.00	Edge 2	Inactive	1	50	49	1:1	0	0.032	1.279	0.041	-
1860	26140	QPSK	Main	20	15.2	14.08	-0.12	Edge 1	Active	0	1	49	1:1	0	0.48	1.294	0.621	-
1860	26140	QPSK	Main	20	15.2	14.20	-0.15	Edge 1	Active	0	50	25	1:1	0	0.503	1.259	0.633	B8
1860	26140	QPSK	Main	20	15.2	14.08	0.00	Rear Tilt	Active	0	1	49	1:1	0	0.386	1.294	0.499	-
1860	26140	QPSK	Main	20	15.2	14.20	0.00	Rear Tilt	Active	0	50	25	1:1	0	0.403	1.259	0.507	-
1860	26140	QPSK	Main	20	15.2	14.08	-0.18	Edge 4 Tilt	Active	0	1	49	1:1	0	0.104	1.294	0.135	-
1860	26140	QPSK	Main	20	15.2	14.20	-0.15	Edge 4 Tilt	Active	0	50	25	1:1	0	0.107	1.259	0.135	-
1905	26590	QPSK	Main	20	24.0	22.82	0.18	Edge 2 Tilt	Inactive	0	1	0	1:1	0	0.03	1.312	0.039	-
1860	26140	QPSK	Main	20	23.0	21.93	0.00	Edge 2 Tilt	Inactive	1	50	49	1:1	0	0.031	1.279	0.040	-
1905	26590	QPSK	Main	20	24.0	22.82	0.12	Rear	Inactive	0	1	0	1:1	25	0.064	1.312	0.084	-
1860	26140	QPSK	Main	20	23.0	21.93	0.02	Rear	Inactive	1	50	49	1:1	25	0.052	1.279	0.067	-
1905	26590	QPSK	Main	20	24.0	22.82	0.04	Edge 4	Inactive	0	1	0	1:1	5	0.378	1.312	0.496	-
1860	26140	QPSK	Main	20	23.0	21.93	0.01	Edge 4	Inactive	1	50	49	1:1	5	0.306	1.279	0.391	-
1905	26590	QPSK	Main	20	24.0	22.82	-0.04	Edge 1	Inactive	0	1	0	1:1	45	0.129	1.312	0.169	-
1860	26140	QPSK	Main	20	23.0	21.93	0.12	Edge 1	Inactive	1	50	49	1:1	45	0.082	1.279	0.105	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

LTE FDD Band 26 Body SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)	(W/kg)		(W/kg)	
831.5	26865	QPSK	Main	15	17.0	15.75	0.00	Rear	Active	0	1	0	1:1	0	0.079	1.334	0.105	-
831.5	26865	QPSK	Main	15	17.0	15.97	-0.11	Rear	Active	0	36	18	1:1	0	0.077	1.268	0.098	-
831.5	26865	QPSK	Main	15	17.0	15.75	0.11	Edge 4	Active	0	1	0	1:1	0	0.057	1.334	0.076	-
831.5	26865	QPSK	Main	15	17.0	15.97	0.11	Edge 4	Active	0	36	18	1:1	0	0.056	1.268	0.071	-
831.5	26865	QPSK	Main	15	24.0	22.62	-0.18	Edge 2	Inactive	0	1	0	1:1	0	0.054	1.374	0.074	-
831.5	26865	QPSK	Main	15	23.0	21.72	0.19	Edge 2	Inactive	1	36	18	1:1	0	0.054	1.343	0.073	-
831.5	26865	QPSK	Main	15	17.0	15.75	-0.06	Edge 1	Active	0	1	0	1:1	0	0.530	1.334	0.707	B9
831.5	26865	QPSK	Main	15	17.0	15.97	-0.05	Edge 1	Active	0	36	18	1:1	0	0.545	1.268	0.691	-
831.5	26865	QPSK	Main	15	17.0	15.75	-0.17	Rear Tilt	Active	0	1	0	1:1	0	0.314	1.334	0.419	-
831.5	26865	QPSK	Main	15	17.0	15.97	-0.12	Rear Tilt	Active	0	36	18	1:1	0	0.309	1.268	0.392	-
831.5	26865	QPSK	Main	15	17.0	15.75	-0.19	Edge 4 Tilt	Active	0	1	0	1:1	0	0.08	1.334	0.107	-
831.5	26865	QPSK	Main	15	17.0	15.97	-0.12	Edge 4 Tilt	Active	0	36	18	1:1	0	0.08	1.268	0.101	-
831.5	26865	QPSK	Main	15	24.0	22.62	-0.09	Edge 2 Tilt	Inactive	0	1	0	1:1	0	0.091	1.374	0.125	-
831.5	26865	QPSK	Main	15	23.0	21.72	-0.09	Edge 2 Tilt	Inactive	1	36	18	1:1	0	0.09	1.343	0.121	-
831.5	26865	QPSK	Main	15	24.0	22.62	0.00	Rear	Inactive	0	1	0	1:1	25	0.065	1.374	0.089	-
831.5	26865	QPSK	Main	15	23.0	21.72	-0.18	Rear	Inactive	1	36	18	1:1	25	0.053	1.343	0.071	-
831.5	26865	QPSK	Main	15	24.0	22.62	-0.14	Edge 4	Inactive	0	1	0	1:1	5	0.215	1.374	0.295	-
831.5	26865	QPSK	Main	15	23.0	21.72	0.02	Edge 4	Inactive	1	36	18	1:1	5	0.168	1.343	0.226	-
831.5	26865	QPSK	Main	15	24.0	22.62	-0.17	Edge 1	Inactive	0	1	0	1:1	45	0.12	1.374	0.165	-
831.5	26865	QPSK	Main	15	23.0	21.72	-0.11	Edge 1	Inactive	1	36	18	1:1	45	0.095	1.343	0.128	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

LTE TDD Band 38 Body SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)	(W/kg)		(W/kg)	
2 595	38000	QPSK	Main	20	16.5	15.63	0.11	Rear	Active	0	1	0	1:1.58	0	0.064	1.222	0.078	-
2 595	38000	QPSK	Main	20	16.5	15.63	0.15	Rear	Active	0	50	0	1:1.58	0	0.066	1.222	0.081	-
2 595	38000	QPSK	Main	20	16.5	15.63	-0.18	Edge 4	Active	0	1	0	1:1.58	0	0.031	1.222	0.038	-
2 595	38000	QPSK	Main	20	16.5	15.63	0.14	Edge 4	Active	0	50	0	1:1.58	0	0.029	1.222	0.035	-
2 595	38000	QPSK	Main	20	24.0	23.03	0.13	Edge 2	Inactive	0	1	0	1:1.58	0	0.021	1.250	0.026	-
2 580	37850	QPSK	Main	20	23.0	22.12	0.09	Edge 2	Inactive	1	50	25	1:1.58	0	0.019	1.225	0.023	-
2 595	38000	QPSK	Main	20	16.5	15.63	0.04	Edge 1	Active	0	1	0	1:1.58	0	0.599	1.222	0.732	B10
2 595	38000	QPSK	Main	20	16.5	15.63	-0.01	Edge 1	Active	0	50	0	1:1.58	0	0.597	1.222	0.730	-
2 595	38000	QPSK	Main	20	16.5	15.63	-0.15	Rear Tilt	Active	0	1	0	1:1.58	0	0.467	1.222	0.571	-
2 595	38000	QPSK	Main	20	16.5	15.63	0.13	Rear Tilt	Active	0	50	0	1:1.58	0	0.477	1.222	0.583	-
2 595	38000	QPSK	Main	20	16.5	15.63	0.01	Edge 4 Tilt	Active	0	1	0	1:1.58	0	0.021	1.222	0.026	-
2 595	38000	QPSK	Main	20	16.5	15.63	-0.13	Edge 4 Tilt	Active	0	50	0	1:1.58	0	0.021	1.222	0.026	-
2 595	38000	QPSK	Main	20	24.0	23.03	0.12	Edge 2 Tilt	Inactive	0	1	0	1:1.58	0	0.013	1.250	0.016	-
2 580	37850	QPSK	Main	20	23.0	22.12	-0.13	Edge 2 Tilt	Inactive	1	50	25	1:1.58	0	0.010	1.225	0.012	-
2 595	38000	QPSK	Main	20	24.0	23.03	0.11	Rear	Inactive	0	1	0	1:1.58	25	0.122	1.250	0.153	-
2 580	37850	QPSK	Main	20	23.0	22.12	0.14	Rear	Inactive	1	50	25	1:1.58	25	0.104	1.225	0.127	-
2 595	38000	QPSK	Main	20	24.0	23.03	0.15	Edge 4	Inactive	0	1	0	1:1.58	5	0.074	1.250	0.093	-
2 580	37850	QPSK	Main	20	23.0	22.12	0.19	Edge 4	Inactive	1	50	25	1:1.58	5	0.065	1.225	0.080	-
2 595	38000	QPSK	Main	20	24.0	23.03	-0.04	Edge 1	Inactive	0	1	0	1:1.58	45	0.225	1.250	0.281	-
2 580	37850	QPSK	Main	20	23.0	22.12	0.03	Edge 1	Inactive	1	50	25	1:1.58	45	0.191	1.225	0.234	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

LTE TDD Band 41 Body SAR

CC UL PC	Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.	
	Mhz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)	(mm)	(W/kg)		(W/kg)					
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.09	-0.12	Rear	Active	0	1	0	1:1.58	0	0.042	1.321	0.055	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.20	0.17	Rear	Active	0	50	0	1:1.58	0	0.037	1.288	0.048	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.09	0.00	Edge 4	Active	0	1	0	1:1.58	0	0.020	1.321	0.026	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.20	0.18	Edge 4	Active	0	50	0	1:1.58	0	0.021	1.288	0.027	-	
1CC UL	2 593.0	40620	QPSK	Main	20	24.8	23.07	-0.11	Edge 2	Inactive	0	1	0	1:1.58	0	0.020	1.489	0.030	-	
1CC UL	2 593.0	40620	QPSK	Main	20	23.8	22.06	0.19	Edge 2	Inactive	1	50	25	1:1.58	0	0.015	1.493	0.022	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.09	0.04	Edge 1	Active	0	1	0	1:1.58	0	0.516	1.321	0.682	-	
1CC UL	2 506.0	39750	QPSK	Main	20	15.3	14.02	0.16	Edge 1	Active	0	1	0	1:1.58	0	0.494	1.343	0.663	-	
1CC UL	2 549.5	40185	QPSK	Main	20	15.3	13.81	0.05	Edge 1	Active	0	1	0	1:1.58	0	0.477	1.409	0.672	-	
1CC UL	2 593.0	40620	QPSK	Main	20	15.3	14.01	0.04	Edge 1	Active	0	1	0	1:1.58	0	0.490	1.346	0.660	-	
1CC UL	2 680.0	41490	QPSK	Main	20	15.3	14.08	-0.05	Edge 1	Active	0	1	0	1:1.58	0	0.530	1.324	0.702	B11	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.20	0.07	Edge 1	Active	0	50	0	1:1.58	0	0.516	1.288	0.665	-	
1CC UL	2 506.0	39750	QPSK	Main	20	15.3	14.17	0.06	Edge 1	Active	0	50	25	1:1.58	0	0.504	1.297	0.654	-	
1CC UL	2 549.5	40185	QPSK	Main	20	15.3	13.93	0.18	Edge 1	Active	0	50	25	1:1.58	0	0.490	1.371	0.672	-	
1CC UL	2 593.0	40620	QPSK	Main	20	15.3	14.08	0.10	Edge 1	Active	0	50	25	1:1.58	0	0.493	1.324	0.653	-	
1CC UL	2 680.0	41490	QPSK	Main	20	15.3	14.17	0.12	Edge 1	Active	0	50	25	1:1.58	0	0.524	1.297	0.680	-	
1CC UL	2 506.0	39750	QPSK	Main	20	15.3	14.19	-0.08	Edge 1	Active	0	100	0	1:1.58	0	0.493	1.291	0.636	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.09	-0.13	Rear Tilt	Active	0	1	0	1:1.58	0	0.496	1.321	0.655	-	
1CC UL	2 506.0	39750	QPSK	Main	20	15.3	14.02	-0.10	Rear Tilt	Active	0	1	0	1:1.58	0	0.403	1.343	0.541	-	
1CC UL	2 549.5	40185	QPSK	Main	20	15.3	13.81	-0.12	Rear Tilt	Active	0	1	0	1:1.58	0	0.442	1.409	0.623	-	
1CC UL	2 593.0	40620	QPSK	Main	20	15.3	14.01	0.10	Rear Tilt	Active	0	1	0	1:1.58	0	0.512	1.346	0.689	-	
1CC UL	2 680.0	41490	QPSK	Main	20	15.3	14.08	0.14	Rear Tilt	Active	0	1	0	1:1.58	0	0.481	1.324	0.637	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.20	-0.05	Rear Tilt	Active	0	50	0	1:1.58	0	0.519	1.288	0.668	-	
1CC UL	2 506.0	39750	QPSK	Main	20	15.3	14.17	0.15	Rear Tilt	Active	0	50	25	1:1.58	0	0.414	1.297	0.537	-	
1CC UL	2 549.5	40185	QPSK	Main	20	15.3	13.93	0.15	Rear Tilt	Active	0	50	25	1:1.58	0	0.458	1.371	0.628	-	
1CC UL	2 593.0	40620	QPSK	Main	20	15.3	14.08	0.18	Rear Tilt	Active	0	50	25	1:1.58	0	0.518	1.324	0.686	-	
1CC UL	2 680.0	41490	QPSK	Main	20	15.3	14.17	0.18	Rear Tilt	Active	0	50	25	1:1.58	0	0.473	1.297	0.613	-	
1CC UL	2 506.0	39750	QPSK	Main	20	15.3	14.19	-0.12	Rear Tilt	Active	0	100	0	1:1.58	0	0.413	1.291	0.533	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.09	0.17	Edge 4 Tilt	Active	0	1	0	1:1.58	0	0.014	1.321	0.018	-	
1CC UL	2 636.5	41055	QPSK	Main	20	15.3	14.20	0.12	Edge 4 Tilt	Active	0	50	0	1:1.58	0	0.010	1.288	0.013	-	
1CC UL	2 593.0	40620	QPSK	Main	20	24.8	23.07	0.14	Edge 2 Tilt	Inactive	0	1	0	1:1.58	0	0.014	1.489	0.021	-	
1CC UL	2 593.0	40620	QPSK	Main	20	23.8	22.06	-0.08	Edge 2 Tilt	Inactive	1	50	25	1:1.58	0	0.008	1.493	0.012	-	
1CC UL	2 593.0	40620	QPSK	Main	20	24.8	23.07	0.12	Rear	Inactive	0	1	0	1:1.58	25	0.131	1.489	0.195	-	
1CC UL	2 593.0	40620	QPSK	Main	20	23.8	22.06	-0.19	Rear	Inactive	1	50	25	1:1.58	25	0.100	1.493	0.149	-	
1CC UL	2 593.0	40620	QPSK	Main	20	24.8	23.07	-0.12	Edge 4	Inactive	0	1	0	1:1.58	5	0.080	1.489	0.119	-	
1CC UL	2 593.0	40620	QPSK	Main	20	23.8	22.06	-0.14	Edge 4	Inactive	1	50	25	1:1.58	5	0.055	1.493	0.082	-	
1CC UL	2 593.0	40620	QPSK	Main	20	24.8	23.07	-0.05	Edge 1	Inactive	0	1	0	1:1.58	45	0.238	1.489	0.354	-	
1CC UL	2 593.0	40620	QPSK	Main	20	23.8	22.06	-0.01	Edge 1	Inactive	1	50	25	1:1.58	45	0.180	1.493	0.269	-	
2CC UL (41C)	PCC	2 680.0	41490	QPSK	Main	20	15.3	14.08	0.09	Edge 1	Active	0	1	0	1:1.58	0	0.471	1.324	0.624	•
2CC UL (41C)	SCC	2 660.2	41292	QPSK	Main	20						1	99							
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram											

• Up-link Carrier Aggregation (41C)

LTE TDD Band 42 Body SAR

CC UL PC	Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.	
	MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)	(dB)	(mm)	(W/kg)	(W/kg)					
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	8.97	0.12	Rear	Active	0	1	0	1:158	0	0.003	1.358	0.004	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	9.10	0.13	Rear	Active	0	50	0	1:158	0	0.006	1.318	0.008	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	8.97	-0.12	Edge 4	Active	0	1	0	1:158	0	0.015	1.358	0.020	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	9.10	-0.13	Edge 4	Active	0	50	0	1:158	0	0.014	1.318	0.018	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	8.97	-0.10	Edge 2	Active	0	1	0	1:158	0	0	1.358	0.000	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	9.10	-0.17	Edge 2	Active	0	50	0	1:158	0	0	1.318	0.000	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	8.97	0.00	Edge 1	Active	0	1	0	1:158	0	0.209	1.358	0.284	B12	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	9.10	0.10	Edge 1	Active	0	50	0	1:158	0	0.21	1.318	0.277	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	8.97	-0.16	Rear Tilt	Active	0	1	0	1:158	0	0.067	1.358	0.091	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	9.10	0.15	Rear Tilt	Active	0	50	0	1:158	0	0.066	1.318	0.087	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	8.97	-0.18	Edge 4 Tilt	Active	0	1	0	1:158	0	0	1.358	0.000	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	9.10	-0.15	Edge 4 Tilt	Active	0	50	0	1:158	0	0.001	1.318	0.001	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	8.97	-0.19	Edge 2 Tilt	Active	0	1	0	1:158	0	0	1.358	0.000	-	
1CC UL	3 460.0	42190	QPSK	Main	20	10.3	9.10	0.17	Edge 2 Tilt	Active	0	50	0	1:158	0	0	1.318	0.000	-	
2CC UL(42C)	PCC	3 460.0	42190	QPSK	Main	20	10.3	8.80	0.10	Edge 1	Active	0	1	0	1:158	0	0.191	1.413	0.270	•
2CC UL(42C)	SCC	3 440.2	41992	QPSK	Main	20						1	99							
SC 6 Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram											

• Up-link Carrier Aggregation (42C)

LTE TDD Band 48 Body SAR

LTE TDD Band 48 Body SAR																		
Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
Mhz	Ch.									(dB)				(mm)			(W/kg)	
3646.7	56207	QPSK	Main	20	10.3	9.07	-0.14	Rear	Inactive	0	1	0	1:1.58	0	0.005	1.327	0.007	-
3646.7	56207	QPSK	Main	20	10.3	9.17	-0.16	Rear	Inactive	0	50	0	1:1.58	0	0.005	1.297	0.006	-
3646.7	56207	QPSK	Main	20	10.3	9.07	-0.15	Edge 4	Inactive	0	1	0	1:1.58	0	0.015	1.327	0.020	-
3646.7	56207	QPSK	Main	20	10.3	9.17	-0.16	Edge 4	Inactive	0	50	0	1:1.58	0	0.016	1.297	0.021	-
3646.7	56207	QPSK	Main	20	10.3	9.07	-0.11	Edge 2	Inactive	0	1	0	1:1.58	0	0.000	1.327	0.000	-
3646.7	56207	QPSK	Main	20	10.3	9.17	0.12	Edge 2	Inactive	0	50	0	1:1.58	0	0.000	1.297	0.000	-
3646.7	56207	QPSK	Main	20	10.3	9.07	0.16	Edge 1	Inactive	0	1	0	1:1.58	0	0.180	1.327	0.239	B13
3646.7	56207	QPSK	Main	20	10.3	9.17	-0.14	Edge 1	Inactive	0	50	0	1:1.58	0	0.177	1.297	0.230	-
3646.7	56207	QPSK	Main	20	10.3	9.07	0.08	Rear Tilt	Inactive	0	1	0	1:1.58	0	0.050	1.327	0.066	-
3646.7	56207	QPSK	Main	20	10.3	9.17	0.16	Rear Tilt	Inactive	0	50	0	1:1.58	0	0.050	1.297	0.065	-
3646.7	56207	QPSK	Main	20	10.3	9.07	-0.13	Edge 4 Tilt	Inactive	0	1	0	1:1.58	0	0.003	1.327	0.004	-
3646.7	56207	QPSK	Main	20	10.3	9.17	-0.17	Edge 4 Tilt	Inactive	0	50	0	1:1.58	0	0.003	1.297	0.004	-
3646.7	56207	QPSK	Main	20	10.3	9.07	-0.18	Edge 2 Tilt	Inactive	0	1	0	1:1.58	0	0.000	1.327	0.000	-
3646.7	56207	QPSK	Main	20	10.3	9.17	-0.13	Edge 2 Tilt	Inactive	0	50	0	1:1.58	0	0.000	1.297	0.000	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

LTE FDD Band 66 Body SAR

Frequency		Mode	Ant.	Band width	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.			(MHz)	(dBm)	(dBm)	(dB)			(dB)				(mm)	(W/kg)		(W/kg)	
1745	132322	QPSK	Main	20	15.0	14.05	-0.01	Rear	Active	0	1	99	1:1	0	0.10	1.245	0.125	-
1770	132572	QPSK	Main	20	15.0	14.11	-0.07	Rear	Active	0	50	0	1:1	0	0.096	1.227	0.118	-
1745	132322	QPSK	Main	20	15.0	14.05	0.00	Edge 4	Active	0	1	99	1:1	0	0.066	1.245	0.082	-
1770	132572	QPSK	Main	20	15.0	14.11	0.10	Edge 4	Active	0	50	0	1:1	0	0.068	1.227	0.083	-
1745	132322	QPSK	Main	20	24.0	23.05	-0.01	Edge 2	Inactive	0	1	99	1:1	0	0.00914	1.245	0.011	-
1745	132322	QPSK	Main	20	23.0	22.18	0.00	Edge 2	Inactive	1	50	49	1:1	0	0.00687	1.208	0.008	-
1745	132322	QPSK	Main	20	15.0	14.05	-0.01	Edge 1	Active	0	1	99	1:1	0	0.561	1.245	0.698	B14
1770	132572	QPSK	Main	20	15.0	14.11	-0.17	Edge 1	Active	0	50	0	1:1	0	0.555	1.227	0.681	-
1745	132322	QPSK	Main	20	15.0	14.05	0.14	Rear Tilt	Active	0	1	99	1:1	0	0.342	1.245	0.426	-
1770	132572	QPSK	Main	20	15.0	14.11	0.00	Rear Tilt	Active	0	50	0	1:1	0	0.353	1.227	0.433	-
1745	132322	QPSK	Main	20	15.0	14.05	0.12	Edge 4Tilt	Active	0	1	99	1:1	0	0.127	1.245	0.158	-
1770	132572	QPSK	Main	20	15.0	14.11	-0.19	Edge 4 Tilt	Active	0	50	0	1:1	0	0.124	1.227	0.152	-
1745	132322	QPSK	Main	20	24.0	23.05	0.15	Edge 2 Tilt	Inactive	0	1	99	1:1	0	0.018	1.245	0.022	-
1745	132322	QPSK	Main	20	23.0	22.18	0.00	Edge 2 Tilt	Inactive	1	50	49	1:1	0	0.013	1.208	0.016	-
1745	132322	QPSK	Main	20	24.0	23.05	-0.05	Rear	Inactive	0	1	99	1:1	25	0.117	1.245	0.146	-
1745	132322	QPSK	Main	20	23.0	22.18	-0.16	Rear	Inactive	1	50	49	1:1	25	0.095	1.208	0.115	-
1745	132322	QPSK	Main	20	24.0	23.05	-0.02	Edge 4	Inactive	0	1	99	1:1	5	0.263	1.245	0.327	-
1745	132322	QPSK	Main	20	23.0	22.18	-0.02	Edge 4	Inactive	1	50	49	1:1	5	0.213	1.208	0.257	-
1745	132322	QPSK	Main	20	24.0	23.05	-0.02	Edge 1	Inactive	0	1	99	1:1	45	0.135	1.245	0.168	-
1745	132322	QPSK	Main	20	23.0	22.18	0.10	Edge 1	Inactive	1	50	49	1:1	45	0.114	1.208	0.138	-
ANSI/ IEEE C95.1 - 2005– Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

NR FDD Band n2 Body SAR

Frequency		Mode	Ant.	Ant.	Tune-Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Factor	Scaled SAR	Plot No.
MHz	Ch.																	
(MHz)	(dBm)	(dBm)	(dB)	(dB)	(mm)	(W/kg)	(W/kg)											
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.62	0.00	Rear	Active	0	1	1	1:1	0	0.028	1.169	0.033	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.65	0.00	Rear	Active	0	50	56	1:1	0	0.026	1.161	0.030	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.62	-0.03	Edge 4	Active	0	1	1	1:1	0	0.047	1.169	0.055	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.65	-0.18	Edge 4	Active	0	50	56	1:1	0	0.05	1.161	0.058	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.03	0.00	Edge 2	Inactive	0	1	53	1:1	0	0.038	1.403	0.053	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.09	0.05	Edge 2	Inactive	0	50	28	1:1	0	0.037	1.384	0.051	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.62	0.15	Edge 1	Active	0	1	1	1:1	0	0.162	1.169	0.189	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.65	-0.16	Edge 1	Active	0	50	56	1:1	0	0.198	1.161	0.230	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.62	0.00	Rear Tilt	Active	0	1	1	1:1	0	0.177	1.169	0.207	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.65	0.00	Rear Tilt	Active	0	50	56	1:1	0	0.178	1.161	0.207	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.62	0.14	Edge 4 Tilt	Active	0	1	1	1:1	0	0.048	1.169	0.056	-
1860	372000	DFT-s OFDM QPSK	Main	20	11.3	10.65	0.11	Edge 4 Tilt	Active	0	50	56	1:1	0	0.046	1.161	0.053	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.03	0.00	Edge 2 Tilt	Inactive	0	1	53	1:1	0	0.020	1.403	0.028	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.09	0.00	Edge 2 Tilt	Inactive	0	50	28	1:1	0	0.021	1.384	0.029	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.03	-0.14	Rear	Inactive	0	1	53	1:1	25	0.142	1.403	0.199	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.09	-0.06	Rear	Inactive	0	50	28	1:1	25	0.147	1.384	0.203	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.03	-0.07	Edge 4	Inactive	0	1	53	1:1	5	0.475	1.403	0.666	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.09	-0.03	Edge 4	Inactive	0	50	28	1:1	5	0.485	1.384	0.671	B15
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.03	0.11	Edge 1	Inactive	0	1	53	1:1	45	0.124	1.403	0.174	-
1860	372000	DFT-s OFDM QPSK	Main	20	24.5	23.09	-0.08	Edge 1	Inactive	0	50	28	1:1	45	0.134	1.384	0.185	-
1860	372000	CP QPSK	Main	20	23.0	21.56	-0.17	Edge 4	Inactive	1.5	1	1	1:1	5	0.257	1.393	0.358	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

NR FDD Band n5 (Cell) Body SAR

Frequency		Mode	Ant.	Band	Tune-	Meas.	Power	Test	Sensor	MPR	RB	RB	Duty	Distance	Meas.	Scaling	Scaled	Plot
MHz	Ch.			width	Up Limit	Power	Drift			(dB)	Size	offset	Cycle	(mm)	SAR	Factor	SAR	
				(MHz)	(dBm)	(dBm)	(dB)	Position							(W/kg)		(W/kg)	No.
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.62	0.00	Rear	Active	0	1	1	1:1	0	0.037	1.169	0.043	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.61	0.00	Rear	Active	0	50	0	1:1	0	0.037	1.172	0.043	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.62	-0.18	Edge 4	Active	0	1	1	1:1	0	0.025	1.169	0.029	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.61	0.19	Edge 4	Active	0	50	0	1:1	0	0.022	1.172	0.026	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.10	-0.14	Edge 2	Inactive	0	1	1	1:1	0	0.068	1.380	0.094	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.07	0.11	Edge 2	Inactive	0	50	28	1:1	0	0.068	1.390	0.095	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.62	-0.16	Edge 1	Active	0	1	1	1:1	0	0.228	1.169	0.267	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.61	-0.07	Edge 1	Active	0	50	0	1:1	0	0.225	1.172	0.264	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.62	0.00	Rear Tilt	Active	0	1	1	1:1	0	0.151	1.169	0.177	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.61	0.00	Rear Tilt	Active	0	50	0	1:1	0	0.148	1.172	0.173	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.62	-0.19	Edge 4 Tilt	Active	0	1	1	1:1	0	0.026	1.169	0.030	-
836.5	167300	DFT-s OFDM QPSK	Main	20	13.3	12.61	-0.13	Edge 4 Tilt	Active	0	50	0	1:1	0	0.025	1.172	0.029	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.10	-0.13	Edge 2 Tilt	Inactive	0	1	1	1:1	0	0.110	1.380	0.152	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.07	-0.10	Edge 2 Tilt	Inactive	0	50	28	1:1	0	0.083	1.390	0.115	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.10	-0.18	Rear	Inactive	0	1	1	1:1	25	0.096	1.380	0.132	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.07	-0.16	Rear	Inactive	0	50	28	1:1	25	0.119	1.390	0.165	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.10	-0.01	Edge 4	Inactive	0	1	1	1:1	5	0.234	1.380	0.323	B16
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.07	-0.11	Edge 4	Inactive	0	50	28	1:1	5	0.218	1.390	0.303	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.10	0.09	Edge 1	Inactive	0	1	1	1:1	45	0.119	1.380	0.164	-
836.5	167300	DFT-s OFDM QPSK	Main	20	24.5	23.07	-0.06	Edge 1	Inactive	0	50	28	1:1	45	0.132	1.390	0.183	-
836.5	167300	CP QPSK	Main	20	23.0	21.60	-0.15	Edge 4	Inactive	1.5	1	1	1:1	5	0.142	1.380	0.196	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

NR FDD Band n66 Body SAR

Frequency		Mode	Ant.	Band	Tune-	Meas.	Power	Test	Sensor	MPR	RB	RB	Duty	Distance	Meas.	Scaling	Scaled	Plot
Mhz	Ch.			width	Up Limit	Power	Drift			(dB)	Size	offset	Cycle	(mm)	SAR	Factor	SAR	
				(MHz)	(dBm)	(dBm)	(dB)	Position							(W/kg)		(W/kg)	No.
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.72	0.00	Rear	Active	0	1	1	1:1	0	0.051	1.091	0.056	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.81	0.00	Rear	Active	0	50	0	1:1	0	0.052	1.069	0.056	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.72	-0.10	Edge 4	Active	0	1	1	1:1	0	0.022	1.091	0.024	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.81	-0.18	Edge 4	Active	0	50	0	1:1	0	0.024	1.069	0.026	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.41	0.00	Edge 2	Inactive	0	1	53	1:1	0	0.006	1.285	0.008	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.49	0.00	Edge 2	Inactive	0	50	28	1:1	0	0.00595	1.262	0.008	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.72	-0.12	Edge 1	Active	0	1	1	1:1	0	0.247	1.091	0.269	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.81	-0.11	Edge 1	Active	0	50	0	1:1	0	0.252	1.069	0.269	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.72	0.00	Rear Tilt	Active	0	1	1	1:1	0	0.132	1.091	0.144	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.81	0.00	Rear Tilt	Active	0	50	0	1:1	0	0.134	1.069	0.143	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.72	0.00	Edge 4 Tilt	Active	0	1	1	1:1	0	0.043	1.091	0.047	-
1745	349000	DFT-s OFDM QPSK	Main	20	11.1	10.81	0.00	Edge 4 Tilt	Active	0	50	0	1:1	0	0.047	1.069	0.050	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.41	0.00	Edge 2 Tilt	Inactive	0	1	53	1:1	0	0.024	1.285	0.031	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.49	0.00	Edge 2 Tilt	Inactive	0	50	28	1:1	0	0.026	1.262	0.033	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.41	-0.14	Rear	Inactive	0	1	53	1:1	25	0.176	1.285	0.226	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.49	-0.14	Rear	Inactive	0	50	28	1:1	25	0.179	1.262	0.226	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.41	0.05	Edge 4	Inactive	0	1	53	1:1	5	0.329	1.285	0.423	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.49	0.00	Edge 4	Inactive	0	50	28	1:1	5	0.341	1.262	0.430	B17
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.41	-0.19	Edge 1	Inactive	0	1	53	1:1	45	0.225	1.285	0.289	-
1745	349000	DFT-s OFDM QPSK	Main	20	24.5	23.49	-0.18	Edge 1	Inactive	0	50	28	1:1	45	0.235	1.262	0.297	-
1770	354000	CP QPSK	Main	20	23.0	22.05	-0.15	Edge 4	Inactive	1.5	1	1	1:1	5	0.249	1.245	0.310	-
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population								Body 1.6 W/kg Averaged over 1 gram										

NR TDD Band n77 Body SAR

Frequency		Mode	Ant.	Band width	Tune- Up Limit	Meas. Power	Power Drift	Test Position	Sensor	MPR	RB Size	RB offset	Duty Cycle	Distance	Meas. SAR	Scaling Scaled SAR	Scaled SAR	Plot No.
MHz	Ch.																	
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.69	0.00	Rear	Active	0	1	137	1:1	0	0.00933	1.517	0.014	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.64	0.00	Rear	Active	0	135	69	1:1	0	0.00519	1.535	0.008	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.69	0.00	Edge 4	Active	0	1	137	1:1	0	0.032	1.517	0.049	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.64	0.00	Edge 4	Active	0	135	69	1:1	0	0.033	1.535	0.051	-
3 750	650000	DFT-s OFDM QPSK	Main	100	24.5	22.73	0.00	Edge 2	Inactive	0	1	1	1:1	0	0.051	1.503	0.077	-
3 930	662000	DFT-s OFDM QPSK	Main	100	24.5	22.71	0.00	Edge 2	Inactive	0	135	69	1:1	0	0.086	1.510	0.130	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.69	-0.14	Edge 1	Active	0	1	137	1:1	0	0.329	1.517	0.499	-
3 930	662000	DFT-s OFDM QPSK	Main	100	8.5	6.59	0.00	Edge 1	Active	0	1	137	1:1	0	0.289	1.552	0.449	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.64	-0.14	Edge 1	Active	0	135	69	1:1	0	0.334	1.535	0.513	-
3 930	662000	DFT-s OFDM QPSK	Main	100	8.5	6.58	0.00	Edge 1	Active	0	135	138	1:1	0	0.301	1.556	0.468	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.53	-0.14	Edge 1	Active	0	270	0	1:1	0	0.337	1.574	0.530	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.69	0.14	Rear Tilt	Active	0	1	137	1:1	0	0.056	1.517	0.085	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.64	0.13	Rear Tilt	Active	0	135	69	1:1	0	0.043	1.535	0.066	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.69	0.00	Edge 4 Tilt	Active	0	1	137	1:1	0	0.00818	1.517	0.012	-
3 750	650000	DFT-s OFDM QPSK	Main	100	8.5	6.64	0.00	Edge 4 Tilt	Active	0	135	69	1:1	0	0.0023	1.535	0.004	-
3 750	650000	DFT-s OFDM QPSK	Main	100	24.5	22.73	0.00	Edge 2 Tilt	Inactive	0	1	1	1:1	0	0.042	1.503	0.063	-
3 930	662000	DFT-s OFDM QPSK	Main	100	24.5	22.71	0.00	Edge 2 Tilt	Inactive	0	135	69	1:1	0	0.05	1.510	0.076	-
3 750	650000	DFT-s OFDM QPSK	Main	100	24.5	22.73	0.00	Rear	Inactive	0	1	1	1:1	25	0.128	1.503	0.192	-
3 930	662000	DFT-s OFDM QPSK	Main	100	24.5	22.71	0.00	Rear	Inactive	0	135	69	1:1	25	0.12	1.510	0.181	-
3 750	650000	DFT-s OFDM QPSK	Main	100	24.5	22.73	-0.13	Edge 4	Inactive	0	1	1	1:1	5	0.252	1.503	0.379	-
3 930	662000	DFT-s OFDM QPSK	Main	100	24.5	22.71	-0.13	Edge 4	Inactive	0	135	69	1:1	5	0.233	1.510	0.352	-
3 750	650000	DFT-s OFDM QPSK	Main	100	24.5	22.73	-0.11	Edge 1	Inactive	0	1	1	1:1	45	0.186	1.503	0.280	-
3 930	662000	DFT-s OFDM QPSK	Main	100	24.5	22.71	-0.15	Edge 1	Inactive	0	135	69	1:1	45	0.11	1.510	0.166	-
3 750	650000	CP QPSK	Main	100	8.0	6.63	-0.17	Edge 1	Active	0	1	1	1:1	0	0.319	1.371	0.437	-
3 500	633334	DFT-s OFDM QPSK	Main	100	8.0	6.53	0.19	Edge 1	Active	0	270	0	1:1	0	0.402	1.403	0.564	B18
ANSI/ IEEE C95.1 - 2005- Safety Limit Spatial Peak Uncontrolled Exposure/ General Population									Body 1.6 W/kg Averaged over 1 gram									

13.2 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, FCC KDB Procedure.
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.
7. This device utilizes power reduction for some wireless mode and technologies, as outlined in sec. 4 The maximum output power allowed for each transmitter and exposure condition was evaluated for SAR compliance based on expected use conditions and simultaneous scenarios.

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.

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 1.45W/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 for some modes.
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 (Power Class 3) was tested using UL-DL configuration 0 with 6 UL sub frames and 2S subframes 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. SAR test reduction is applied using the following criteria:
Start with the largest channel Bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is >0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel. Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are >0.8 W/kg, testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation <1.45 W/kg. Testing for 16-QAM modulation is not required because the reported SAR for QPSK is <1.45 W/kg and its output power is not more than 0.5 dB higher than that a QPSK. Testing for the other channel Bandwidths is not required because the reported SAR for the highest channel Bandwidth is <1.45 W/kg and its output power is not more than 0.5 dB higher than that of the highest channel Bandwidth.

NR Notes:

1. This device supports SA and NSA mode for NR implementation. In EN-DC Mode, NR operate with the LTE Bands shown in the NR FR1 checklist acting as anchor Bands.
2. More detailed specifications of the NR Bands are contained in the Technical description document.
3. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
4. For NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power was evaluated for SAR tests.

14. Simultaneous SAR Analysis

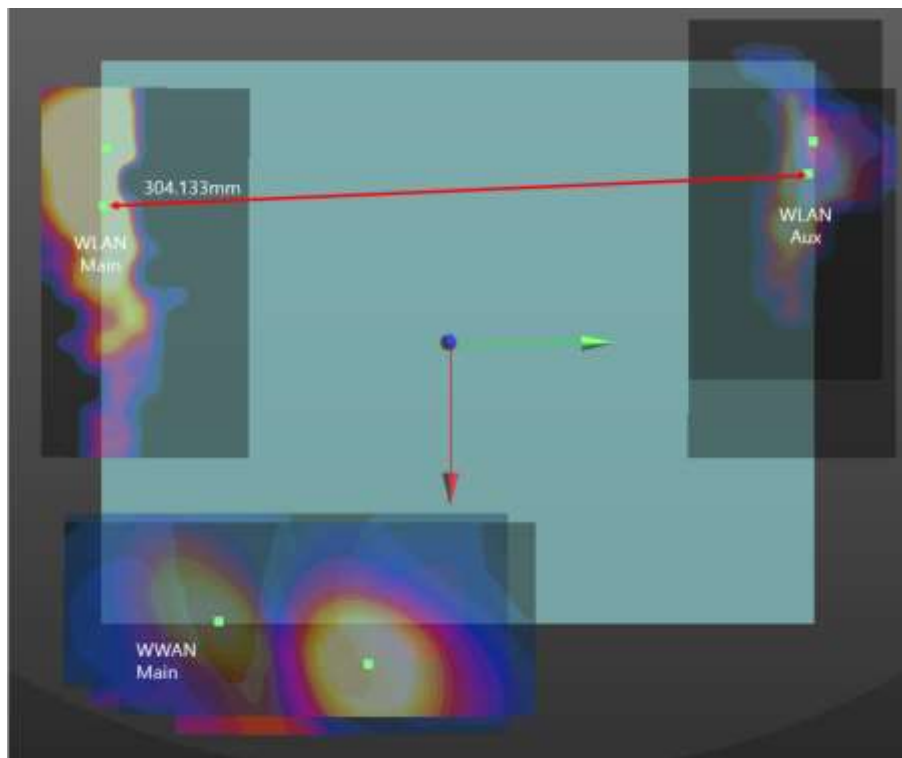
This device is containing transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per KDB Publication 447498 D01v06 4.3.2, simultaneous transmission SAR test exclusion may be applied when the sum of 1g SAR and 10g SAR for all the simultaneous transmitting antennas in a specific a physical test configuration is $\leq 1.6\text{W/kg}$ for 1g SAR and $\leq 4\text{ W/kg}$ for 10g SAR. The different test positions in an exposure condition may be considered collectively to determine SAR exclusion according to the sum of 1g or 10g SAR.

15. Simultaneous Transmission Summation.

The highest reported SAR for each exposure condition is used for SAR summation purpose.

The highest reported SAR for each exposure condition is used for SAR summation purpose. The WLAN/BT SAR testing results were used to perform transmission simultaneous analysis from SAR Test Report[HCT-SR-2206-FC004], Module model: WL22B with FCC: ACJ9TGWL22B

Per KDB Publication 248227 D01 802.11 Wi-Fi SAR v02r02, WLAN Main and WLAN Aux antennas are spatially separated, not considered for simultaneous transmission summation.



Rear position

The SAR measurement results between the antennas of each WWAN/WLAN/BT mode of the DUT are spatially separated, so the simultaneous transmission evaluation is exempted according to the above distribution shown

Simultaneous Transmission Summation Table

Band	Configuration	Main	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	Main + 2.4GHz MIMO	Main + 2.4GHz Main + BT	SPLSR
		1	2	3	4	5	1+5	1+2+3	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	
UMTS Band 2	Rear	0.068	0.085	0.174	0.201	0.375	0.443	0.327	No
	Rear Tilt	0.498					0.873	0.757	No
	Edge 4	0.462	0.000	1.095	0.000	1.095	1.557	1.557	No
	Edge 2	0.058	0.269	0.002	1.084	1.086	1.144	0.329	No
	Edge 1	0.568	0.000	0.013	0.017	0.030	0.598	0.581	No
	Edge 4 Tilt	0.129	0.000	1.317	0.007	1.324	1.453	1.446	No
	Edge 2 Tilt	0.070	0.292	0.007	1.133	1.140	1.210	0.369	No
UMTS Band 4	Rear	0.184	0.085	0.174	0.201	0.375	0.559	0.443	No
	Rear Tilt	0.364					0.739	0.623	No
	Edge 4	0.259	0.000	1.095	0.000	1.095	1.354	1.354	No
	Edge 2	0.021	0.269	0.002	1.084	1.086	1.107	0.292	No
	Edge 1	0.659	0.000	0.013	0.017	0.030	0.689	0.672	No
	Edge 4 Tilt	0.115	0.000	1.317	0.007	1.324	1.439	1.432	No
	Edge 2 Tilt	0.059	0.292	0.007	1.133	1.140	1.199	0.358	No
UMTS Band 5	Rear	0.119	0.085	0.174	0.201	0.375	0.494	0.378	No
	Rear Tilt	0.329					0.704	0.588	No
	Edge 4	0.250	0.000	1.095	0.000	1.095	1.345	1.345	No
	Edge 2	0.148	0.269	0.002	1.084	1.086	1.234	0.419	No
	Edge 1	0.550	0.000	0.013	0.017	0.030	0.580	0.563	No
	Edge 4 Tilt	0.062	0.000	1.317	0.007	1.324	1.386	1.379	No
	Edge 2 Tilt	0.086	0.292	0.007	1.133	1.140	1.226	0.385	No

Band	Configuration	Main	Bluetooth	5GHz MIMO	6E MIMO	Main + 5GHz MIMO	Main + 6E MIMO	Main + 5GHz MIMO + BT	Main + 6E MIMO + BT	SPLSR
		1	2	3	4	1+3	1+4	1+2+3	1+2+4	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	
UMTS Band 2	Rear	0.068	0.085	0.640	0.182	0.708	0.250	0.793	0.335	No
	Rear Tilt	0.498				1.138	0.680	1.223	0.765	No
	Edge 4	0.462	0.000	0.827	0.431	1.289	0.893	1.289	0.893	No
	Edge 2	0.058	0.269	0.971	0.447	1.029	0.505	1.298	0.774	No
	Edge 1	0.568	0.000	0.077	0.008	0.645	0.576	0.645	0.576	No
	Edge 4 Tilt	0.129	0.000	1.089	0.627	1.218	0.756	1.218	0.756	No
	Edge 2 Tilt	0.070	0.292	1.197	0.647	1.267	0.717	1.559	1.009	No
UMTS Band 4	Rear	0.184	0.085	0.640	0.182	0.824	0.366	0.909	0.451	No
	Rear Tilt	0.364				1.004	0.546	1.089	0.631	No
	Edge 4	0.259	0.000	0.827	0.431	1.086	0.690	1.086	0.690	No
	Edge 2	0.021	0.269	0.971	0.447	0.992	0.468	1.261	0.737	No
	Edge 1	0.659	0.000	0.077	0.008	0.736	0.667	0.736	0.667	No
	Edge 4 Tilt	0.115	0.000	1.089	0.627	1.204	0.742	1.204	0.742	No
	Edge 2 Tilt	0.059	0.292	1.197	0.647	1.256	0.706	1.548	0.998	No
UMTS Band 5	Rear	0.119	0.085	0.640	0.182	0.759	0.301	0.844	0.386	No
	Rear Tilt	0.329				0.969	0.511	1.054	0.596	No
	Edge 4	0.250	0.000	0.827	0.431	1.077	0.681	1.077	0.681	No
	Edge 2	0.148	0.269	0.971	0.447	1.119	0.595	1.388	0.864	No
	Edge 1	0.550	0.000	0.077	0.008	0.627	0.558	0.627	0.558	No
	Edge 4 Tilt	0.062	0.000	1.089	0.627	1.151	0.689	1.151	0.689	No
	Edge 2 Tilt	0.086	0.292	1.197	0.647	1.283	0.733	1.575	1.025	No

Band	Configuration	Main	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	Main + 2.4GHz MIMO	Main + 2.4GHz Main + BT	SPLSR
		1	2	3	4	5	1+5	1+2+3	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	
LTE Band 7	Rear	0.250	0.085	0.174	0.201	0.375	0.625	0.509	No
	Rear Tilt	0.581					0.956	0.840	No
	Edge 4	0.245	0.000	1.095	0.000	1.095	1.340	1.340	No
	Edge 2	0.056	0.269	0.002	1.084	1.086	1.142	0.327	No
	Edge 1	0.496	0.000	0.013	0.017	0.030	0.526	0.509	No
	Edge 4 Tilt	0.029	0.000	1.317	0.007	1.324	1.353	1.346	No
	Edge 2 Tilt	0.058	0.292	0.007	1.133	1.140	1.198	0.357	No
LTE Band 12	Rear	0.093	0.085	0.174	0.201	0.375	0.468	0.352	No
	Rear Tilt	0.320					0.695	0.579	No
	Edge 4	0.094	0.000	1.095	0.000	1.095	1.189	1.189	No
	Edge 2	0.026	0.269	0.002	1.084	1.086	1.112	0.297	No
	Edge 1	0.521	0.000	0.013	0.017	0.030	0.551	0.534	No
	Edge 4 Tilt	0.063	0.000	1.317	0.007	1.324	1.387	1.380	No
	Edge 2 Tilt	0.043	0.292	0.007	1.133	1.140	1.183	0.342	No
LTE Band 13	Rear	0.111	0.085	0.174	0.201	0.375	0.486	0.370	No
	Rear Tilt	0.422					0.797	0.681	No
	Edge 4	0.229	0.000	1.095	0.000	1.095	1.324	1.324	No
	Edge 2	0.037	0.269	0.002	1.084	1.086	1.123	0.308	No
	Edge 1	0.590	0.000	0.013	0.017	0.030	0.620	0.603	No
	Edge 4 Tilt	0.119	0.000	1.317	0.007	1.324	1.443	1.436	No
	Edge 2 Tilt	0.088	0.292	0.007	1.133	1.140	1.228	0.387	No
LTE Band 14	Rear	0.116	0.085	0.174	0.201	0.375	0.491	0.375	No
	Rear Tilt	0.428					0.803	0.687	No
	Edge 4	0.258	0.000	1.095	0.000	1.095	1.353	1.353	No
	Edge 2	0.055	0.269	0.002	1.084	1.086	1.141	0.326	No
	Edge 1	0.626	0.000	0.013	0.017	0.030	0.656	0.639	No
	Edge 4 Tilt	0.128	0.000	1.317	0.007	1.324	1.452	1.445	No
	Edge 2 Tilt	0.084	0.292	0.007	1.133	1.140	1.224	0.383	No
LTE Band 25	Rear	0.084	0.085	0.174	0.201	0.375	0.459	0.343	No
	Rear Tilt	0.507					0.882	0.766	No
	Edge 4	0.496	0.000	1.095	0.000	1.095	1.591	1.591	No
	Edge 2	0.056	0.269	0.002	1.084	1.086	1.142	0.327	No
	Edge 1	0.633	0.000	0.013	0.017	0.030	0.663	0.646	No
	Edge 4 Tilt	0.135	0.000	1.317	0.007	1.324	1.459	1.452	No
	Edge 2 Tilt	0.040	0.292	0.007	1.133	1.140	1.180	0.339	No
LTE Band 26	Rear	0.105	0.085	0.174	0.201	0.375	0.480	0.364	No
	Rear Tilt	0.419					0.794	0.678	No
	Edge 4	0.295	0.000	1.095	0.000	1.095	1.390	1.390	No
	Edge 2	0.074	0.269	0.002	1.084	1.086	1.160	0.345	No
	Edge 1	0.707	0.000	0.013	0.017	0.030	0.737	0.720	No
	Edge 4 Tilt	0.107	0.000	1.317	0.007	1.324	1.431	1.424	No
	Edge 2 Tilt	0.125	0.292	0.007	1.133	1.140	1.265	0.424	No
LTE Band 38	Rear	0.153	0.085	0.174	0.201	0.375	0.528	0.412	No
	Rear Tilt	0.583					0.958	0.842	No
	Edge 4	0.093	0.000	1.095	0.000	1.095	1.188	1.188	No
	Edge 2	0.026	0.269	0.002	1.084	1.086	1.112	0.297	No
	Edge 1	0.732	0.000	0.013	0.017	0.030	0.762	0.745	No
	Edge 4 Tilt	0.026	0.000	1.317	0.007	1.324	1.350	1.343	No
	Edge 2 Tilt	0.016	0.292	0.007	1.133	1.140	1.156	0.315	No

Band	Configuration	Main	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	Main + 2.4GHz MIMO	Main + 2.4GHz Main + BT	SPLSR
		1	2	3	4	5	1+5	1+2+3	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	
LTE Band 41	Rear	0.195	0.085	0.174	0.201	0.375	0.570	0.454	No
	Rear Tilt	0.689					1.064	0.948	No
	Edge 4	0.119	0.000	1.095	0.000	1.095	1.214	1.214	No
	Edge 2	0.030	0.269	0.002	1.084	1.086	1.116	0.301	No
	Edge 1	0.702	0.000	0.013	0.017	0.030	0.732	0.715	No
	Edge 4 Tilt	0.018	0.000	1.317	0.007	1.324	1.342	1.335	No
	Edge 2 Tilt	0.021	0.292	0.007	1.133	1.140	1.161	0.320	No
LTE Band 42	Rear	0.008	0.085	0.174	0.201	0.375	0.383	0.267	No
	Rear Tilt	0.091					0.466	0.350	No
	Edge 4	0.020	0.000	1.095	0.000	1.095	1.115	1.115	No
	Edge 2	0.000	0.269	0.002	1.084	1.086	1.086	0.271	No
	Edge 1	0.284	0.000	0.013	0.017	0.030	0.314	0.297	No
	Edge 4 Tilt	0.001	0.000	1.317	0.007	1.324	1.325	1.318	No
	Edge 2 Tilt	0.000	0.292	0.007	1.133	1.140	1.140	0.299	No
LTE Band 48	Rear	0.007	0.085	0.174	0.201	0.375	0.382	0.266	No
	Rear Tilt	0.066					0.441	0.325	No
	Edge 4	0.021	0.000	1.095	0.000	1.095	1.116	1.116	No
	Edge 2	0.000	0.269	0.002	1.084	1.086	1.086	0.271	No
	Edge 1	0.239	0.000	0.013	0.017	0.030	0.269	0.252	No
	Edge 4 Tilt	0.004	0.000	1.317	0.007	1.324	1.328	1.321	No
	Edge 2 Tilt	0.000	0.292	0.007	1.133	1.140	1.140	0.299	No
LTE Band 66	Rear	0.146	0.085	0.174	0.201	0.375	0.521	0.405	No
	Rear Tilt	0.433					0.808	0.692	No
	Edge 4	0.327	0.000	1.095	0.000	1.095	1.422	1.422	No
	Edge 2	0.011	0.269	0.002	1.084	1.086	1.097	0.282	No
	Edge 1	0.698	0.000	0.013	0.017	0.030	0.728	0.711	No
	Edge 4 Tilt	0.158	0.000	1.317	0.007	1.324	1.482	1.475	No
	Edge 2 Tilt	0.022	0.292	0.007	1.133	1.140	1.162	0.321	No

LTE	LTE	Configuration	LTE	LTE	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	LTE + 2.4GHz MIMO	LTE + 2.4GHz Main + BT	SPLSR
			1	2					1+2+6	1+2+3+4	
LTE Band 2/25	LTE Band 5/26	Rear	0.084	0.105	0.085	0.174	0.201	0.375	0.564	0.448	No
		Rear Tilt	0.507	0.419					1.301	1.185	No
		Edge 4	0.496	0.295	0.000	1.095	0.000	1.095	1.886	1.886	Yes
		Edge 2	0.056	0.074	0.269	0.002	1.084	1.086	1.216	0.401	No
		Edge 1	0.633	0.707	0.000	0.013	0.017	0.030	1.370	1.353	No
		Edge 4 Tilt	0.135	0.107	0.000	1.317	0.007	1.324	1.566	1.559	No
		Edge 2 Tilt	0.040	0.125	0.292	0.007	1.133	1.140	1.305	0.464	No
		Rear	0.084	0.093	0.085	0.174	0.201	0.375	0.552	0.436	No
	LTE Band 12	Rear Tilt	0.507	0.320					1.202	1.086	No
		Edge 4	0.496	0.094	0.000	1.095	0.000	1.095	1.685	1.685	Yes
		Edge 2	0.056	0.026	0.269	0.002	1.084	1.086	1.168	0.353	No
		Edge 1	0.633	0.521	0.000	0.013	0.017	0.030	1.184	1.167	No
		Edge 4 Tilt	0.135	0.063	0.000	1.317	0.007	1.324	1.522	1.515	No
		Edge 2 Tilt	0.040	0.043	0.292	0.007	1.133	1.140	1.223	0.382	No
	LTE Band 13	Rear	0.084	0.111	0.085	0.174	0.201	0.375	0.570	0.454	No
		Rear Tilt	0.507	0.422					1.304	1.188	No
		Edge 4	0.496	0.229	0.000	1.095	0.000	1.095	1.820	1.820	Yes
		Edge 2	0.056	0.037	0.269	0.002	1.084	1.086	1.179	0.364	No
		Edge 1	0.633	0.590	0.000	0.013	0.017	0.030	1.253	1.236	No
		Edge 4 Tilt	0.135	0.119	0.000	1.317	0.007	1.324	1.578	1.571	No
		Edge 2 Tilt	0.040	0.088	0.292	0.007	1.133	1.140	1.268	0.427	No
	LTE Band 4/66	Rear	0.146	0.105	0.085	0.174	0.201	0.375	0.626	0.510	No
		Rear Tilt	0.433	0.419					1.227	1.111	No
		Left	0.327	0.295	0.000	1.095	0.000	1.095	1.717	1.717	Yes
		Right	0.011	0.074	0.269	0.002	1.084	1.086	1.171	0.356	No
		Top	0.698	0.707	0.000	0.013	0.017	0.030	1.435	1.418	No
		Left Tilt	0.158	0.107	0.000	1.317	0.007	1.324	1.589	1.582	No
		Right Tilt	0.022	0.125	0.292	0.007	1.133	1.140	1.287	0.446	No
		Rear	0.146	0.093	0.085	0.174	0.201	0.375	0.614	0.498	No
		Rear Tilt	0.433	0.320					1.128	1.012	No
		Left	0.327	0.094	0.000	1.095	0.000	1.095	1.516	1.516	No
		Right	0.011	0.026	0.269	0.002	1.084	1.086	1.123	0.308	No
		Top	0.698	0.521	0.000	0.013	0.017	0.030	1.249	1.232	No
		Left Tilt	0.158	0.063	0.000	1.317	0.007	1.324	1.545	1.538	No
		Right Tilt	0.022	0.043	0.292	0.007	1.133	1.140	1.205	0.364	No
		Rear	0.146	0.111	0.085	0.174	0.201	0.375	0.632	0.516	No
		Rear Tilt	0.433	0.422					1.230	1.114	No
		Left	0.327	0.229	0.000	1.095	0.000	1.095	1.651	1.651	Yes
		Right	0.011	0.037	0.269	0.002	1.084	1.086	1.134	0.319	No
		Top	0.698	0.590	0.000	0.013	0.017	0.030	1.318	1.301	No
		Left Tilt	0.158	0.119	0.000	1.317	0.007	1.324	1.601	1.594	Yes
		Right Tilt	0.022	0.088	0.292	0.007	1.133	1.140	1.250	0.409	No

LTE	LTE	Configuration	LTE	LTE	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	LTE + 2.4GHz MIMO	LTE + 2.4GHz Main + BT	SPLSR
			1	2	3	4	5	6	1+2+6	1+2+3+4	
LTE Band 5/26	LTE Band 7	Rear	0.105	0.250	0.085	0.174	0.201	0.375	0.730	0.614	No
		Rear Tilt	0.419	0.581					1.375	1.259	No
		Left	0.295	0.245	0.000	1.095	0.000	1.095	1.635	1.635	Yes
		Right	0.074	0.056	0.269	0.002	1.084	1.086	1.216	0.401	No
		Top	0.707	0.496	0.000	0.013	0.017	0.030	1.233	1.216	No
		Left Tilt	0.107	0.029	0.000	1.317	0.007	1.324	1.460	1.453	No
		Right Tilt	0.125	0.058	0.292	0.007	1.133	1.140	1.323	0.482	No
LTE Band 41	LTE Band 42	Rear	0.195	0.008	0.085	0.174	0.201	0.375	0.578	0.462	No
		Rear Tilt	0.689	0.091					1.155	1.039	No
		Left	0.119	0.020	0.000	1.095	0.000	1.095	1.234	1.234	No
		Right	0.030	0.000	0.269	0.002	1.084	1.086	1.116	0.301	No
		Top	0.702	0.284	0.000	0.013	0.017	0.030	1.016	0.999	No
		Left Tilt	0.018	0.001	0.000	1.317	0.007	1.324	1.343	1.336	No
		Right Tilt	0.021	0.000	0.292	0.007	1.133	1.140	1.161	0.320	No

NR	LTE	Configuration	NR	LTE	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	NR+ LTE + 2.4GHz MIMO	NR + LTE + 2.4GHz Main+ BT	SPLSR
			1	2							
NR Band n2	LTE Band 5/26	Rear	0.203	0.105	0.085	0.174	0.201	0.375	0.683	0.567	No
		Rear Tilt	0.207	0.419					1.001	0.885	No
		Edge 4	0.671	0.295	0.000	1.095	0.000	1.095	2.061	2.061	Yes
		Edge 2	0.053	0.074	0.269	0.002	1.084	1.086	1.213	0.398	No
		Edge 1	0.230	0.707	0.000	0.013	0.017	0.030	0.967	0.950	No
		Edge 4 Tilt	0.056	0.107	0.000	1.317	0.007	1.324	1.487	1.480	No
		Edge 2 Tilt	0.029	0.125	0.292	0.007	1.133	1.140	1.294	0.453	No
		Rear	0.203	0.093	0.085	0.174	0.201	0.375	0.671	0.555	No
	LTE Band 12	Rear Tilt	0.207	0.320					0.902	0.786	No
		Edge 4	0.671	0.094	0.000	1.095	0.000	1.095	1.860	1.860	Yes
		Edge 2	0.053	0.026	0.269	0.002	1.084	1.086	1.165	0.350	No
		Edge 1	0.230	0.521	0.000	0.013	0.017	0.030	0.781	0.764	No
		Edge 4 Tilt	0.056	0.063	0.000	1.317	0.007	1.324	1.443	1.436	No
		Edge 2 Tilt	0.029	0.043	0.292	0.007	1.133	1.140	1.212	0.371	No
		Rear	0.203	0.111	0.085	0.174	0.201	0.375	0.689	0.573	No
	LTE Band 13	Rear Tilt	0.207	0.422					1.004	0.888	No
		Edge 4	0.671	0.229	0.000	1.095	0.000	1.095	1.995	1.995	Yes
		Edge 2	0.053	0.037	0.269	0.002	1.084	1.086	1.176	0.361	No
		Edge 1	0.230	0.590	0.000	0.013	0.017	0.030	0.850	0.833	No
		Edge 4 Tilt	0.056	0.119	0.000	1.317	0.007	1.324	1.499	1.492	No
		Edge 2 Tilt	0.029	0.088	0.292	0.007	1.133	1.140	1.257	0.416	No
		Rear	0.203	0.116	0.085	0.174	0.201	0.375	0.694	0.578	No
	LTE Band 14	Rear Tilt	0.207	0.428					1.010	0.894	No
		Edge 4	0.671	0.258	0.000	1.095	0.000	1.095	2.024	2.024	Yes
		Edge 2	0.053	0.055	0.269	0.002	1.084	1.086	1.194	0.379	No
		Edge 1	0.230	0.626	0.000	0.013	0.017	0.030	0.886	0.869	No
		Edge 4 Tilt	0.056	0.128	0.000	1.317	0.007	1.324	1.508	1.501	No
		Edge 2 Tilt	0.029	0.084	0.292	0.007	1.133	1.140	1.253	0.412	No
		Rear	0.203	0.007	0.085	0.174	0.201	0.375	0.585	0.469	No
	LTE Band 48	Rear Tilt	0.207	0.066					0.648	0.532	No
		Edge 4	0.671	0.021	0.000	1.095	0.000	1.095	1.787	1.787	Yes
		Edge 2	0.053	0.000	0.269	0.002	1.084	1.086	1.139	0.324	No
		Edge 1	0.230	0.239	0.000	0.013	0.017	0.030	0.499	0.482	No
		Edge 4 Tilt	0.056	0.004	0.000	1.317	0.007	1.324	1.384	1.377	No
		Edge 2 Tilt	0.029	0.000	0.292	0.007	1.133	1.140	1.169	0.328	No

NR	LTE	Configuration	NR	LTE	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	NR+ LTE + 2.4GHz MIMO	NR + LTE + 2.4GHz Main + BT	SPLSR
			1	2	3	4	5	6	1+2+6	1+2+3+4	
NR Band n5	LTE Band 2/25	Rear	0.165	0.084	0.085	0.174	0.201	0.375	0.624	0.508	No
		Rear Tilt	0.177	0.507					1.059	0.943	No
		Edge 4	0.323	0.496	0.000	1.095	0.000	1.095	1.914	1.914	Yes
		Edge 2	0.095	0.056	0.269	0.002	1.084	1.086	1.237	0.422	No
		Edge 1	0.267	0.633	0.000	0.013	0.017	0.030	0.930	0.913	No
		Edge 4 Tilt	0.030	0.135	0.000	1.317	0.007	1.324	1.489	1.482	No
		Edge 2 Tilt	0.152	0.040	0.292	0.007	1.133	1.140	1.332	0.491	No
	LTE Band 7	Rear	0.165	0.250	0.085	0.174	0.201	0.375	0.790	0.674	No
		Rear Tilt	0.177	0.581					1.133	1.017	No
		Edge 4	0.323	0.245	0.000	1.095	0.000	1.095	1.663	1.663	Yes
		Edge 2	0.095	0.056	0.269	0.002	1.084	1.086	1.237	0.422	No
		Edge 1	0.267	0.496	0.000	0.013	0.017	0.030	0.793	0.776	No
		Edge 4 Tilt	0.030	0.029	0.000	1.317	0.007	1.324	1.383	1.376	No
		Edge 2 Tilt	0.152	0.058	0.292	0.007	1.133	1.140	1.350	0.509	No
	LTE Band 66	Rear	0.165	0.146	0.085	0.174	0.201	0.375	0.686	0.570	No
		Rear Tilt	0.177	0.433					0.985	0.869	No
		Edge 4	0.323	0.327	0.000	1.095	0.000	1.095	1.745	1.745	Yes
		Edge 2	0.095	0.011	0.269	0.002	1.084	1.086	1.192	0.377	No
		Edge 1	0.267	0.698	0.000	0.013	0.017	0.030	0.995	0.978	No
		Edge 4 Tilt	0.030	0.158	0.000	1.317	0.007	1.324	1.512	1.505	No
		Edge 2 Tilt	0.152	0.022	0.292	0.007	1.133	1.140	1.314	0.473	No

NR	LTE	Configuration	NR	LTE	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	NR+ LTE + 2.4GHz MIMO	NR + LTE + 2.4GHz Main + BT	SPLSR
			1	2	3	4	5	6	1+2+6	1+2+3+4	
NR Band n66	LTE Band 5/26	Rear	0.226	0.105	0.085	0.174	0.201	0.375	0.706	0.590	No
		Rear Tilt	0.144	0.419					0.938	0.822	No
		Edge 4	0.430	0.295	0.000	1.095	0.000	1.095	1.820	1.820	Yes
		Edge 2	0.008	0.074	0.269	0.002	1.084	1.086	1.168	0.353	No
		Edge 1	0.297	0.707	0.000	0.013	0.017	0.030	1.034	1.017	No
		Edge 4 Tilt	0.050	0.107	0.000	1.317	0.007	1.324	1.481	1.474	No
		Edge 2 Tilt	0.033	0.125	0.292	0.007	1.133	1.140	1.298	0.457	No
	LTE Band 12	Rear	0.226	0.093	0.085	0.174	0.201	0.375	0.694	0.578	No
		Rear Tilt	0.144	0.320					0.839	0.723	No
		Edge 4	0.430	0.094	0.000	1.095	0.000	1.095	1.619	1.619	Yes
		Edge 2	0.008	0.026	0.269	0.002	1.084	1.086	1.120	0.305	No
		Edge 1	0.297	0.521	0.000	0.013	0.017	0.030	0.848	0.831	No
		Edge 4 Tilt	0.050	0.063	0.000	1.317	0.007	1.324	1.437	1.430	No
		Edge 2 Tilt	0.033	0.043	0.292	0.007	1.133	1.140	1.216	0.375	No
	LTE Band 13	Rear	0.226	0.111	0.085	0.174	0.201	0.375	0.712	0.596	No
		Rear Tilt	0.144	0.422					0.941	0.825	No
		Edge 4	0.430	0.229	0.000	1.095	0.000	1.095	1.754	1.754	Yes
		Edge 2	0.008	0.037	0.269	0.002	1.084	1.086	1.131	0.316	No
		Edge 1	0.297	0.590	0.000	0.013	0.017	0.030	0.917	0.900	No
		Edge 4 Tilt	0.050	0.119	0.000	1.317	0.007	1.324	1.493	1.486	No
		Edge 2 Tilt	0.033	0.088	0.292	0.007	1.133	1.140	1.261	0.420	No
	LTE Band 14	Rear	0.226	0.116	0.085	0.174	0.201	0.375	0.717	0.601	No
		Rear Tilt	0.144	0.428					0.947	0.831	No
		Edge 4	0.430	0.258	0.000	1.095	0.000	1.095	1.783	1.783	Yes
		Edge 2	0.008	0.055	0.269	0.002	1.084	1.086	1.149	0.334	No
		Edge 1	0.297	0.626	0.000	0.013	0.017	0.030	0.953	0.936	No
		Edge 4 Tilt	0.050	0.128	0.000	1.317	0.007	1.324	1.502	1.495	No
		Edge 2 Tilt	0.033	0.084	0.292	0.007	1.133	1.140	1.257	0.416	No
	LTE Band 48	Rear	0.226	0.007	0.085	0.174	0.201	0.375	0.608	0.492	No
		Rear Tilt	0.144	0.066					0.585	0.469	No
		Edge 4	0.430	0.021	0.000	1.095	0.000	1.095	1.546	1.546	No
		Edge 2	0.008	0.000	0.269	0.002	1.084	1.086	1.094	0.279	No
		Edge 1	0.297	0.239	0.000	0.013	0.017	0.030	0.566	0.549	No
		Edge 4 Tilt	0.050	0.004	0.000	1.317	0.007	1.324	1.378	1.371	No
		Edge 2 Tilt	0.033	0.000	0.292	0.007	1.133	1.140	1.173	0.332	No

NR	LTE	Configuration	NR	LTE	Bluetooth	2.4GHz Main	2.4GHz Aux	2.4GHz MIMO	NR+ LTE + 2.4GHz MIMO	NR + LTE + 2.4GHz Main + BT	SPLSR
			1	2		4	5	6	1+2+6	1+2+3+4	
NR Band n77	LTE Band 2/25	Rear	0.192	0.084	0.085	0.174	0.201	0.375	0.651	0.535	No
		Rear Tilt	0.085	0.507					0.967	0.851	No
		Edge 4	0.379	0.496	0.000	1.095	0.000	1.095	1.970	1.970	Yes
		Edge 2	0.130	0.056	0.269	0.002	1.084	1.086	1.272	0.457	No
		Edge 1	0.564	0.633	0.000	0.013	0.017	0.030	1.227	1.210	No
		Edge 4 Tilt	0.012	0.135	0.000	1.317	0.007	1.324	1.471	1.464	No
		Edge 2 Tilt	0.076	0.040	0.292	0.007	1.133	1.140	1.256	0.415	No
	LTE Band 5/26	Rear	0.192	0.105	0.085	0.174	0.201	0.375	0.672	0.556	No
		Rear Tilt	0.085	0.419					0.879	0.763	No
		Edge 4	0.379	0.295	0.000	1.095	0.000	1.095	1.769	1.769	Yes
		Edge 2	0.130	0.074	0.269	0.002	1.084	1.086	1.290	0.475	No
		Edge 1	0.564	0.707	0.000	0.013	0.017	0.030	1.301	1.284	No
		Edge 4 Tilt	0.012	0.107	0.000	1.317	0.007	1.324	1.443	1.436	No
		Edge 2 Tilt	0.076	0.125	0.292	0.007	1.133	1.140	1.341	0.500	No
	LTE Band 7	Rear	0.192	0.250	0.085	0.174	0.201	0.375	0.817	0.701	No
		Rear Tilt	0.085	0.581					1.041	0.925	No
		Edge 4	0.379	0.245	0.000	1.095	0.000	1.095	1.719	1.719	Yes
		Edge 2	0.130	0.056	0.269	0.002	1.084	1.086	1.272	0.457	No
		Edge 1	0.564	0.496	0.000	0.013	0.017	0.030	1.090	1.073	No
		Edge 4 Tilt	0.012	0.029	0.000	1.317	0.007	1.324	1.365	1.358	No
		Edge 2 Tilt	0.076	0.058	0.292	0.007	1.133	1.140	1.274	0.433	No
	LTE Band 12	Rear	0.192	0.093	0.085	0.174	0.201	0.375	0.660	0.544	No
		Rear Tilt	0.085	0.320					0.780	0.664	No
		Edge 4	0.379	0.094	0.000	1.095	0.000	1.095	1.568	1.568	No
		Edge 2	0.130	0.026	0.269	0.002	1.084	1.086	1.242	0.427	No
		Edge 1	0.564	0.521	0.000	0.013	0.017	0.030	1.115	1.098	No
		Edge 4 Tilt	0.012	0.063	0.000	1.317	0.007	1.324	1.399	1.392	No
		Edge 2 Tilt	0.076	0.043	0.292	0.007	1.133	1.140	1.259	0.418	No
	LTE Band 13	Rear	0.192	0.111	0.085	0.174	0.201	0.375	0.678	0.562	No
		Rear Tilt	0.085	0.422					0.882	0.766	No
		Edge 4	0.379	0.229	0.000	1.095	0.000	1.095	1.703	1.703	Yes
		Edge 2	0.130	0.037	0.269	0.002	1.084	1.086	1.253	0.438	No
		Edge 1	0.564	0.590	0.000	0.013	0.017	0.030	1.184	1.167	No
		Edge 4 Tilt	0.012	0.119	0.000	1.317	0.007	1.324	1.455	1.448	No
		Edge 2 Tilt	0.076	0.088	0.292	0.007	1.133	1.140	1.304	0.463	No
	LTE Band 14	Rear	0.192	0.116	0.085	0.174	0.201	0.375	0.683	0.567	No
		Rear Tilt	0.085	0.428					0.888	0.772	No
		Edge 4	0.379	0.258	0.000	1.095	0.000	1.095	1.732	1.732	Yes
		Edge 2	0.130	0.055	0.269	0.002	1.084	1.086	1.271	0.456	No
		Edge 1	0.564	0.626	0.000	0.013	0.017	0.030	1.220	1.203	No
		Edge 4 Tilt	0.012	0.128	0.000	1.317	0.007	1.324	1.464	1.457	No
		Edge 2 Tilt	0.076	0.084	0.292	0.007	1.133	1.140	1.300	0.459	No
	LTE Band 41	Rear	0.192	0.195	0.085	0.174	0.201	0.375	0.762	0.646	No
		Rear Tilt	0.085	0.689					1.149	1.033	No
		Edge 4	0.379	0.119	0.000	1.095	0.000	1.095	1.593	1.593	No
		Edge 2	0.130	0.030	0.269	0.002	1.084	1.086	1.246	0.431	No
		Edge 1	0.564	0.702	0.000	0.013	0.017	0.030	1.296	1.279	No
		Edge 4 Tilt	0.012	0.018	0.000	1.317	0.007	1.324	1.354	1.347	No
		Edge 2 Tilt	0.076	0.021	0.292	0.007	1.133	1.140	1.237	0.396	No
	LTE Band 66	Rear	0.192	0.146	0.085	0.174	0.201	0.375	0.713	0.597	No
		Rear Tilt	0.085	0.433					0.893	0.777	No
		Edge 4	0.379	0.327	0.000	1.095	0.000	1.095	1.801	1.801	Yes
		Edge 2	0.130	0.011	0.269	0.002	1.084	1.086	1.227	0.412	No
		Edge 1	0.564	0.698	0.000	0.013	0.017	0.030	1.292	1.275	No
		Edge 4 Tilt	0.012	0.158	0.000	1.317	0.007	1.324	1.494	1.487	No
		Edge 2 Tilt	0.076	0.022	0.292	0.007	1.133	1.140	1.238	0.397	No

Band	Configuration	Main	Bluetooth	5GHz MIMO	6E MIMO	Main + 5GHz MIMO	Main + 6E MIMO	Main + 5GHz MIMO + BT	Main + 6E MIMO + BT	SPLSR
		1	2	3	4	1+3	1+4	1+2+3	1+2+4	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	
LTE Band 7	Rear	0.250	0.085	0.640	0.182	0.890	0.432	0.975	0.517	No
	Rear Tilt	0.581				1.221	0.763	1.306	0.848	No
	Edge 4	0.245	0.000	0.827	0.431	1.072	0.676	1.072	0.676	No
	Edge 2	0.056	0.269	0.971	0.447	1.027	0.503	1.296	0.772	No
	Edge 1	0.496	0.000	0.077	0.008	0.573	0.504	0.573	0.504	No
	Edge 4 Tilt	0.029	0.000	1.089	0.627	1.118	0.656	1.118	0.656	No
	Edge 2 Tilt	0.058	0.292	1.197	0.647	1.255	0.705	1.547	0.997	No
LTE Band 12	Rear	0.093	0.085	0.640	0.182	0.733	0.275	0.818	0.360	No
	Rear Tilt	0.320				0.960	0.502	1.045	0.587	No
	Edge 4	0.094	0.000	0.827	0.431	0.921	0.525	0.921	0.525	No
	Edge 2	0.026	0.269	0.971	0.447	0.997	0.473	1.266	0.742	No
	Edge 1	0.521	0.000	0.077	0.008	0.598	0.529	0.598	0.529	No
	Edge 4 Tilt	0.063	0.000	1.089	0.627	1.152	0.690	1.152	0.690	No
	Edge 2 Tilt	0.043	0.292	1.197	0.647	1.240	0.690	1.532	0.982	No
LTE Band 13	Rear	0.111	0.085	0.640	0.182	0.751	0.293	0.836	0.378	No
	Rear Tilt	0.422				1.062	0.604	1.147	0.689	No
	Edge 4	0.229	0.000	0.827	0.431	1.056	0.660	1.056	0.660	No
	Edge 2	0.037	0.269	0.971	0.447	1.008	0.484	1.277	0.753	No
	Edge 1	0.590	0.000	0.077	0.008	0.667	0.598	0.667	0.598	No
	Edge 4 Tilt	0.119	0.000	1.089	0.627	1.208	0.746	1.208	0.746	No
	Edge 2 Tilt	0.088	0.292	1.197	0.647	1.285	0.735	1.577	1.027	No
LTE Band 14	Rear	0.116	0.085	0.640	0.182	0.756	0.298	0.841	0.383	No
	Rear Tilt	0.428				1.068	0.610	1.153	0.695	No
	Edge 4	0.258	0.000	0.827	0.431	1.085	0.689	1.085	0.689	No
	Edge 2	0.055	0.269	0.971	0.447	1.026	0.502	1.295	0.771	No
	Edge 1	0.626	0.000	0.077	0.008	0.703	0.634	0.703	0.634	No
	Edge 4 Tilt	0.128	0.000	1.089	0.627	1.217	0.755	1.217	0.755	No
	Edge 2 Tilt	0.084	0.292	1.197	0.647	1.281	0.731	1.573	1.023	No
LTE Band 25	Rear	0.084	0.085	0.640	0.182	0.724	0.266	0.809	0.351	No
	Rear Tilt	0.507				1.147	0.689	1.232	0.774	No
	Edge 4	0.496	0.000	0.827	0.431	1.323	0.927	1.323	0.927	No
	Edge 2	0.056	0.269	0.971	0.447	1.027	0.503	1.296	0.772	No
	Edge 1	0.633	0.000	0.077	0.008	0.710	0.641	0.710	0.641	No
	Edge 4 Tilt	0.135	0.000	1.089	0.627	1.224	0.762	1.224	0.762	No
	Edge 2 Tilt	0.040	0.292	1.197	0.647	1.237	0.687	1.529	0.979	No
LTE Band 26	Rear	0.105	0.085	0.640	0.182	0.745	0.287	0.830	0.372	No
	Rear Tilt	0.419				1.059	0.601	1.144	0.686	No
	Edge 4	0.295	0.000	0.827	0.431	1.122	0.726	1.122	0.726	No
	Edge 2	0.074	0.269	0.971	0.447	1.045	0.521	1.314	0.790	No
	Edge 1	0.707	0.000	0.077	0.008	0.784	0.715	0.784	0.715	No
	Edge 4 Tilt	0.107	0.000	1.089	0.627	1.196	0.734	1.196	0.734	No
	Edge 2 Tilt	0.125	0.292	1.197	0.647	1.322	0.772	1.614	1.064	Yes
LTE Band 38	Rear	0.153	0.085	0.640	0.182	0.793	0.335	0.878	0.420	No
	Rear Tilt	0.583				1.223	0.765	1.308	0.850	No
	Edge 4	0.093	0.000	0.827	0.431	0.920	0.524	0.920	0.524	No
	Edge 2	0.026	0.269	0.971	0.447	0.997	0.473	1.266	0.742	No
	Edge 1	0.732	0.000	0.077	0.008	0.809	0.740	0.809	0.740	No
	Edge 4 Tilt	0.026	0.000	1.089	0.627	1.115	0.653	1.115	0.653	No
	Edge 2 Tilt	0.016	0.292	1.197	0.647	1.213	0.663	1.505	0.955	No

Band	Configuration	Main	Bluetooth	5GHz MIMO	6E MIMO	Main + 5GHz MIMO	Main + 6E MIMO	Main + 5GHz MIMO + BT	Main + 6E MIMO + BT	SPLSR
		1	2	3	4	1+3	1+4	1+2+3	1+2+4	
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	
LTE Band 41	Rear	0.195	0.085	0.640	0.182	0.835	0.377	0.920	0.462	No
	Rear Tilt	0.689				1.329	0.871	1.414	0.956	No
	Edge 4	0.119	0.000	0.827	0.431	0.946	0.550	0.946	0.550	No
	Edge 2	0.030	0.269	0.971	0.447	1.001	0.477	1.270	0.746	No
	Edge 1	0.702	0.000	0.077	0.008	0.779	0.710	0.779	0.710	No
	Edge 4 Tilt	0.018	0.000	1.089	0.627	1.107	0.645	1.107	0.645	No
	Edge 2 Tilt	0.021	0.292	1.197	0.647	1.218	0.668	1.510	0.960	No
LTE Band 42	Rear	0.008	0.085	0.640	0.182	0.648	0.190	0.733	0.275	No
	Rear Tilt	0.091				0.731	0.273	0.816	0.358	No
	Edge 4	0.020	0.000	0.827	0.431	0.847	0.451	0.847	0.451	No
	Edge 2	0.000	0.269	0.971	0.447	0.971	0.447	1.240	0.716	No
	Edge 1	0.284	0.000	0.077	0.008	0.361	0.292	0.361	0.292	No
	Edge 4 Tilt	0.001	0.000	1.089	0.627	1.090	0.628	1.090	0.628	No
	Edge 2 Tilt	0.000	0.292	1.197	0.647	1.197	0.647	1.489	0.939	No
LTE Band 48	Rear	0.007	0.085	0.640	0.182	0.647	0.189	0.732	0.274	No
	Rear Tilt	0.066				0.706	0.248	0.791	0.333	No
	Edge 4	0.021	0.000	0.827	0.431	0.848	0.452	0.848	0.452	No
	Edge 2	0.000	0.269	0.971	0.447	0.971	0.447	1.240	0.716	No
	Edge 1	0.239	0.000	0.077	0.008	0.316	0.247	0.316	0.247	No
	Edge 4 Tilt	0.004	0.000	1.089	0.627	1.093	0.631	1.093	0.631	No
	Edge 2 Tilt	0.000	0.292	1.197	0.647	1.197	0.647	1.489	0.939	No
LTE Band 66	Rear	0.146	0.085	0.640	0.182	0.786	0.328	0.871	0.413	No
	Rear Tilt	0.433				1.073	0.615	1.158	0.700	No
	Edge 4	0.327	0.000	0.827	0.431	1.154	0.758	1.154	0.758	No
	Edge 2	0.011	0.269	0.971	0.447	0.982	0.458	1.251	0.727	No
	Edge 1	0.698	0.000	0.077	0.008	0.775	0.706	0.775	0.706	No
	Edge 4 Tilt	0.158	0.000	1.089	0.627	1.247	0.785	1.247	0.785	No
	Edge 2 Tilt	0.022	0.292	1.197	0.647	1.219	0.669	1.511	0.961	No

LTE	LTE	Configuration	LTE	LTE	5GHz Main	5GHz Aux	5GHz MIMO	LTE + 5GHz Main	LTE + 5GHz Aux	LTE + 5GHz MIMO	SPLSR
			1	2	3	4	5	1+2+3	1+2+4	1+2+5	
LTE Band 2/25	LTE Band 5/26	Rear	0.084	0.105	0.436	0.204	0.640	0.625	0.393		No
		Rear Tilt	0.507	0.419				1.362	1.13		No
		Edge 4	0.496	0.295	0.827	0.000	0.827			0.827	No
		Edge 2	0.056	0.074	0.000	0.971	0.971			1.101	No
		Edge 1	0.633	0.707	0.056	0.021	0.077			1.417	No
		Edge 4 Tilt	0.135	0.107	1.089	0.000	1.089			1.331	No
		Edge 2 Tilt	0.040	0.125	0.002	1.195	1.197			1.362	No
		Rear	0.084	0.093	0.436	0.204	0.640	0.613	0.381		No
		Rear Tilt	0.507	0.320				1.263	1.031		No
	LTE Band 12	Edge 4	0.496	0.094	0.827	0.000	0.827			1.417	No
		Edge 2	0.056	0.026	0.000	0.971	0.971			1.053	No
		Edge 1	0.633	0.521	0.056	0.021	0.077			1.231	No
		Edge 4 Tilt	0.135	0.063	1.089	0.000	1.089			1.287	No
		Edge 2 Tilt	0.040	0.043	0.002	1.195	1.197			1.280	No
		Rear	0.084	0.111	0.436	0.204	0.640	0.631	0.399		No
		Rear Tilt	0.507	0.422				1.365	1.133		No
		Edge 4	0.496	0.229	0.827	0.000	0.827			1.552	No
		Edge 2	0.056	0.037	0.000	0.971	0.971			1.064	No
		Edge 1	0.633	0.590	0.056	0.021	0.077			1.300	No
		Edge 4 Tilt	0.135	0.119	1.089	0.000	1.089			1.343	No
		Edge 2 Tilt	0.040	0.088	0.002	1.195	1.197			1.325	No
	LTE Band 13	Rear	0.084	0.111	0.436	0.204	0.640	0.631	0.399		No
		Rear Tilt	0.507	0.422				1.365	1.133		No
		Edge 4	0.496	0.229	0.827	0.000	0.827			1.552	No
		Edge 2	0.056	0.037	0.000	0.971	0.971			1.064	No
		Edge 1	0.633	0.590	0.056	0.021	0.077			1.300	No
		Edge 4 Tilt	0.135	0.119	1.089	0.000	1.089			1.343	No
		Edge 2 Tilt	0.040	0.088	0.002	1.195	1.197			1.325	No
		Rear	0.146	0.105	0.436	0.204	0.640	0.687	0.455		No
		Rear Tilt	0.433	0.419				1.288	1.056		No
LTE Band 4/66	LTE Band 5/26	Edge 4	0.327	0.295	0.827	0.000	0.827			1.449	No
		Edge 2	0.011	0.074	0.000	0.971	0.971			1.056	No
		Edge 1	0.698	0.707	0.056	0.021	0.077			1.482	No
		Edge 4 Tilt	0.158	0.107	1.089	0.000	1.089			1.354	No
		Edge 2 Tilt	0.022	0.125	0.002	1.195	1.197			1.344	No
		Rear	0.146	0.093	0.436	0.204	0.640	0.675	0.443		No
		Rear Tilt	0.433	0.320				1.189	0.957		No
	LTE Band 12	Edge 4	0.327	0.094	0.827	0.000	0.827			1.248	No
		Edge 2	0.011	0.026	0.000	0.971	0.971			1.008	No
		Edge 1	0.698	0.521	0.056	0.021	0.077			1.296	No
		Edge 4 Tilt	0.158	0.063	1.089	0.000	1.089			1.310	No
		Edge 2 Tilt	0.022	0.043	0.002	1.195	1.197			1.262	No
		Rear	0.146	0.111	0.436	0.204	0.640	0.693	0.461		No
		Rear Tilt	0.433	0.422				1.291	1.059		No
		Edge 4	0.327	0.229	0.827	0.000	0.827			1.383	No
		Edge 2	0.011	0.037	0.000	0.971	0.971			1.019	No
		Edge 1	0.698	0.590	0.056	0.021	0.077			1.365	No
		Edge 4 Tilt	0.158	0.119	1.089	0.000	1.089			1.366	No
		Edge 2 Tilt	0.022	0.088	0.002	1.195	1.197			1.307	No

LTE	LTE	Configuration	LTE	LTE	5GHz Main	5GHz Aux	5GHz MIMO	LTE + 5GHz Main	LTE + 5GHz Aux	LTE + 5GHz MIMO	SPLSR
			1	2	3	4	5	1+2+3	1+2+4	1+2+5	
LTE Band 5/26	LTE Band 7	Rear	0.105	0.250	0.436	0.204	0.640	0.791	0.559		No
		Rear Tilt	0.419	0.581				1.436	1.204		No
		Edge 4	0.295	0.245	0.827	0.000	0.827			1.367	No
		Edge 2	0.074	0.056	0.000	0.971	0.971			1.101	No
		Edge 1	0.707	0.496	0.056	0.021	0.077			1.280	No
		Edge 4 Tilt	0.107	0.029	1.089	0.000	1.089			1.225	No
		Edge 2 Tilt	0.125	0.058	0.002	1.195	1.197			1.380	No
LTE Band 41	LTE Band 42	Rear	0.195	0.008	0.436	0.204	0.640	0.639	0.407		No
		Rear Tilt	0.689	0.091				1.216	0.984		No
		Edge 4	0.119	0.020	0.827	0.000	0.827			0.966	No
		Edge 2	0.030	0.000	0.000	0.971	0.971			1.001	No
		Edge 1	0.702	0.284	0.056	0.021	0.077			1.063	No
		Edge 4 Tilt	0.018	0.001	1.089	0.000	1.089			1.108	No
		Edge 2 Tilt	0.021	0.000	0.002	1.195	1.197			1.218	No

LTE	LTE	Configuration	LTE	LTE	Bluetooth	5GHz Main	5GHz Aux	5GHz MIMO	LTE + 5GHz Main + BT	LTE + 5GHz Aux + BT	LTE + 5GHz MIMO + BT	SPLSR	
			1	2	3	4	5	6	1+2+3+4	1+2+3+5	1+2+3+6		
LTE Band 2/25	LTE Band 5/26	Rear	0.084	0.105	0.085	0.436	0.204	0.640	0.710	0.478		No	
		Rear Tilt	0.507	0.419					1.447	1.215		No	
		Edge 4	0.496	0.295	0.000	0.827	0.000	0.827			1.618	Yes	
		Edge 2	0.056	0.074	0.269	0.000	0.971	0.971			1.370	No	
		Edge 1	0.633	0.707	0.000	0.056	0.021	0.077			1.417	No	
		Edge 4 Tilt	0.135	0.107	0.000	1.089	0.000	1.089			1.331	No	
		Edge 2 Tilt	0.040	0.125	0.292	0.002	1.195	1.197			1.654	Yes	
	LTE Band 12	Rear	0.084	0.093	0.085	0.436	0.204	0.640	0.698	0.466		No	
		Rear Tilt	0.507	0.320					1.348	1.116		No	
		Edge 4	0.496	0.094	0.000	0.827	0.000	0.827			1.417	No	
		Edge 2	0.056	0.026	0.269	0.000	0.971	0.971			1.322	No	
		Edge 1	0.633	0.521	0.000	0.056	0.021	0.077			1.231	No	
		Edge 4 Tilt	0.135	0.063	0.000	1.089	0.000	1.089			1.287	No	
		Edge 2 Tilt	0.040	0.043	0.292	0.002	1.195	1.197			1.572	No	
	LTE Band 13	Rear	0.084	0.111	0.085	0.436	0.204	0.640	0.716	0.484		No	
		Rear Tilt	0.507	0.422					1.45	1.218		No	
		Edge 4	0.496	0.229	0.000	0.827	0.000	0.827			1.552	No	
		Edge 2	0.056	0.037	0.269	0.000	0.971	0.971			1.333	No	
		Edge 1	0.633	0.590	0.000	0.056	0.021	0.077			1.300	No	
		Edge 4 Tilt	0.135	0.119	0.000	1.089	0.000	1.089			1.343	No	
		Edge 2 Tilt	0.040	0.088	0.292	0.002	1.195	1.197			1.197	No	
	LTE Band 4/66	LTE Band 5/26	Rear	0.146	0.105	0.085	0.436	0.204	0.640	0.772	0.540		No
			Rear Tilt	0.433	0.419					1.373	1.141		No
			Edge 4	0.327	0.295	0.000	0.827	0.000	0.827			1.449	No
			Edge 2	0.011	0.074	0.269	0.000	0.971	0.971			1.325	No
			Edge 1	0.698	0.707	0.000	0.056	0.021	0.077			1.482	No
			Edge 4 Tilt	0.158	0.107	0.000	1.089	0.000	1.089			1.354	No
			Edge 2 Tilt	0.022	0.125	0.292	0.002	1.195	1.197			1.636	Yes
		LTE Band 12	Rear	0.146	0.093	0.085	0.436	0.204	0.640	0.760	0.528		No
Rear Tilt			0.433	0.320	1.274					1.042	No		
Edge 4			0.327	0.094	0.000	0.827	0.000	0.827			1.248	No	
Edge 2			0.011	0.026	0.269	0.000	0.971	0.971			1.277	No	
Edge 1			0.698	0.521	0.000	0.056	0.021	0.077			1.296	No	
Edge 4 Tilt			0.158	0.063	0.000	1.089	0.000	1.089			1.310	No	
Edge 2 Tilt			0.022	0.043	0.292	0.002	1.195	1.197			1.554	No	
LTE Band 13		Rear	0.146	0.111	0.085	0.436	0.204	0.640	0.778	0.546		No	
		Rear Tilt	0.433	0.422					1.376	1.144		No	
		Edge 4	0.327	0.229	0.000	0.827	0.000	0.827			1.383	No	
		Edge 2	0.011	0.037	0.269	0.000	0.971	0.971			1.288	No	
		Edge 1	0.698	0.590	0.000	0.056	0.021	0.077			1.365	No	
		Edge 4 Tilt	0.158	0.119	0.000	1.089	0.000	1.089			1.366	No	
		Edge 2 Tilt	0.022	0.088	0.292	0.002	1.195	1.197			1.599	Yes	

LTE	LTE	Configuration	LTE	LTE	Bluetooth	5GHz Main	5GHz Aux	5GHz MIMO	LTE + 5GHz Main + BT	LTE + 5GHz Aux + BT	LTE + 5GHz MIMO + BT	SPLSR
			1	2	3	4	5	6	1+2+3+4	1+2+3+5	1+2+3+6	
LTE Band 5/26	LTE Band 7	Rear	0.105	0.250	0.085	0.436	0.204	0.640	0.876	0.644		No
		Rear Tilt	0.419	0.581					1.521	1.289		No
		Edge 4	0.295	0.245	0.000	0.827	0.000	0.827			1.367	No
		Edge 2	0.074	0.056	0.269	0.000	0.971	0.971			1.370	No
		Edge 1	0.707	0.496	0.000	0.056	0.021	0.077			1.280	No
		Edge 4 Tilt	0.107	0.029	0.000	1.089	0.000	1.089			1.225	No
		Edge 2 Tilt	0.125	0.058	0.292	0.002	1.195	1.197			1.672	Yes
LTE Band 41	LTE Band 42	Rear	0.195	0.008	0.085	0.436	0.204	0.640	0.724	0.492		No
		Rear Tilt	0.689	0.091					1.301	1.069		No
		Edge 4	0.119	0.020	0.000	0.827	0.000	0.827			0.966	No
		Edge 2	0.030	0.000	0.269	0.000	0.971	0.971			1.270	No
		Edge 1	0.702	0.284	0.000	0.056	0.021	0.077			1.063	No
		Edge 4 Tilt	0.018	0.001	0.000	1.089	0.000	1.089			1.108	No
		Edge 2 Tilt	0.021	0.000	0.292	0.002	1.195	1.197			1.510	No

LTE	LTE	Configuration	LTE	LTE	Bluetooth	6E MIMO	LTE + 6E MIMO	LTE + 6E MIMO + BT	SPLSR
			1	2	3	4	1+2+4	1+2+3+4	
LTE Band 2	LTE Band 5/26	Rear	0.084	0.105	0.085	0.182	0.371	0.456	No
		Rear Tilt	0.507	0.419			1.108	1.193	No
		Edge 4	0.496	0.295	0.000	0.431	1.222	1.222	No
		Edge 2	0.056	0.074	0.269	0.447	0.577	0.846	No
		Edge 1	0.633	0.707	0.000	0.008	1.348	1.348	No
		Edge 4 Tilt	0.135	0.107	0.000	0.627	0.869	0.869	No
		Edge 2 Tilt	0.040	0.125	0.292	0.647	0.812	1.104	No
		Rear	0.084	0.093	0.085	0.182	0.359	0.444	No
	LTE Band 12	Rear Tilt	0.507	0.320			1.009	1.094	No
		Edge 4	0.496	0.094	0.000	0.431	1.021	1.021	No
		Edge 2	0.056	0.026	0.269	0.447	0.529	0.798	No
		Edge 1	0.633	0.521	0.000	0.008	1.162	1.162	No
		Edge 4 Tilt	0.135	0.063	0.000	0.627	0.825	0.825	No
		Edge 2 Tilt	0.040	0.043	0.292	0.647	0.730	1.022	No
		Rear	0.084	0.111	0.085	0.182	0.377	0.462	No
	LTE Band 13	Rear Tilt	0.507	0.422			1.111	1.196	No
		Edge 4	0.496	0.229	0.000	0.431	1.156	1.156	No
		Edge 2	0.056	0.037	0.269	0.447	0.540	0.809	No
		Edge 1	0.633	0.590	0.000	0.008	1.231	1.231	No
		Edge 4 Tilt	0.135	0.119	0.000	0.627	0.881	0.881	No
		Edge 2 Tilt	0.040	0.088	0.292	0.647	0.775	1.067	No
LTE Band 4/66	LTE Band 5/26	Rear	0.146	0.105	0.085	0.182	0.433	0.518	No
		Rear Tilt	0.433	0.419			1.034	1.119	No
		Edge 4	0.327	0.295	0.000	0.431	1.053	1.053	No
		Edge 2	0.011	0.074	0.269	0.447	0.532	0.801	No
		Edge 1	0.698	0.707	0.000	0.008	1.413	1.413	No
		Edge 4 Tilt	0.158	0.107	0.000	0.627	0.892	0.892	No
		Edge 2 Tilt	0.022	0.125	0.292	0.647	0.794	1.086	No
	LTE Band 12	Rear	0.146	0.093	0.085	0.182	0.421	0.506	No
		Rear Tilt	0.433	0.320			0.935	1.020	No
		Edge 4	0.327	0.094	0.000	0.431	0.852	0.852	No
		Edge 2	0.011	0.026	0.269	0.447	0.484	0.753	No
		Edge 1	0.698	0.521	0.000	0.008	1.227	1.227	No
		Edge 4 Tilt	0.158	0.063	0.000	0.627	0.848	0.848	No
		Edge 2 Tilt	0.022	0.043	0.292	0.647	0.712	1.004	No
	LTE Band 13	Rear	0.146	0.111	0.085	0.182	0.439	0.524	No
		Rear Tilt	0.433	0.422			1.037	1.122	No
		Edge 4	0.327	0.229	0.000	0.431	0.987	0.987	No
		Edge 2	0.011	0.037	0.269	0.447	0.495	0.764	No
		Edge 1	0.698	0.590	0.000	0.008	1.296	1.296	No
		Edge 4 Tilt	0.158	0.119	0.000	0.627	0.904	0.904	No
		Edge 2 Tilt	0.022	0.088	0.292	0.647	0.757	1.049	No

LTE	LTE	Configuration	LTE	LTE	Bluetooth	6E MIMO	LTE + 6E MIMO	LTE + 6E MIMO + BT	SPLSR
			1	2	3	4	1+2+4	1+2+3+4	
LTE Band 5/26	LTE Band 7	Rear	0.105	0.250	0.085	0.182	0.537	0.622	No
		Rear Tilt	0.419	0.581			1.182	1.267	No
		Edge 4	0.295	0.245	0.000	0.431	0.971	0.971	No
		Edge 2	0.074	0.056	0.269	0.447	0.577	0.846	No
		Edge 1	0.707	0.496	0.000	0.008	1.211	1.211	No
		Edge 4 Tilt	0.107	0.029	0.000	0.627	0.763	0.763	No
		Edge 2 Tilt	0.125	0.058	0.292	0.647	0.830	1.122	No
LTE Band 41	LTE Band 42	Rear	0.195	0.008	0.085	0.182	0.385	0.470	No
		Rear Tilt	0.689	0.091			0.962	1.047	No
		Edge 4	0.119	0.020	0.000	0.431	0.570	0.570	No
		Edge 2	0.030	0.000	0.269	0.447	0.477	0.746	No
		Edge 1	0.702	0.284	0.000	0.008	0.994	0.994	No
		Edge 4 Tilt	0.018	0.001	0.000	0.627	0.646	0.646	No
		Edge 2 Tilt	0.021	0.000	0.292	0.647	0.668	0.960	No

NR	LTE	Configuration	NR	LTE	Bluetooth	5GHz MIMO	6E MIMO	NR+ LTE + 5GHz MIMO	NR+LTE + 6E MIMO	NR+LTE + 5GHz MIMO + BT	NR+LTE + 6E MIMO + BT	SPLSR
			1	2	3	4	5	1+2+4	1+2+5	1+2+3+4	1+2+3+5	
NR Band n2	LTE Band 5/26	Rear	0.203	0.105	0.085	0.640	0.182	0.948	0.490	1.033	0.575	No
		Rear Tilt	0.207	0.419				1.266	0.808	1.351	0.893	No
		Edge 4	0.671	0.295	0.000	0.827	0.431	1.793	1.397	1.793	1.397	Yes
		Edge 2	0.053	0.074	0.269	0.971	0.447	1.098	0.574	1.367	0.843	No
		Edge 1	0.230	0.707	0.000	0.077	0.008	1.014	0.945	1.014	0.945	No
		Edge 4 Tilt	0.056	0.107	0.000	1.089	0.627	1.252	0.790	1.252	0.790	No
		Edge 2 Tilt	0.029	0.125	0.292	1.197	0.647	1.351	0.801	1.643	1.093	Yes
	LTE Band 12	Rear	0.203	0.093	0.085	0.640	0.182	0.936	0.478	1.021	0.563	No
		Rear Tilt	0.207	0.320				1.167	0.709	1.252	0.794	No
		Edge 4	0.671	0.094	0.000	0.827	0.431	1.592	1.196	1.592	1.196	No
		Edge 2	0.053	0.026	0.269	0.971	0.447	1.050	0.526	1.319	0.795	No
		Edge 1	0.230	0.521	0.000	0.077	0.008	0.828	0.759	0.828	0.759	No
		Edge 4 Tilt	0.056	0.063	0.000	1.089	0.627	1.208	0.746	1.208	0.746	No
		Edge 2 Tilt	0.029	0.043	0.292	1.197	0.647	1.269	0.719	1.561	1.011	No
	LTE Band 13	Rear	0.203	0.111	0.085	0.640	0.182	0.954	0.496	1.039	0.581	No
		Rear Tilt	0.207	0.422				1.269	0.811	1.354	0.896	No
		Edge 4	0.671	0.229	0.000	0.827	0.431	1.727	1.331	1.727	1.331	Yes
		Edge 2	0.053	0.037	0.269	0.971	0.447	1.061	0.537	1.330	0.806	No
		Edge 1	0.230	0.590	0.000	0.077	0.008	0.897	0.828	0.897	0.828	No
		Edge 4 Tilt	0.056	0.119	0.000	1.089	0.627	1.264	0.802	1.264	0.802	No
		Edge 2 Tilt	0.029	0.088	0.292	1.197	0.647	1.314	0.764	1.606	1.056	Yes
	LTE Band 14	Rear	0.203	0.116	0.085	0.640	0.182	0.959	0.501	1.044	0.586	No
		Rear Tilt	0.207	0.428				1.275	0.817	1.360	0.902	No
		Edge 4	0.671	0.258	0.000	0.827	0.431	1.756	1.360	1.756	1.360	Yes
		Edge 2	0.053	0.055	0.269	0.971	0.447	1.079	0.555	1.348	0.824	No
		Edge 1	0.230	0.626	0.000	0.077	0.008	0.933	0.864	0.933	0.864	No
		Edge 4 Tilt	0.056	0.128	0.000	1.089	0.627	1.273	0.811	1.273	0.811	No
		Edge 2 Tilt	0.029	0.084	0.292	1.197	0.647	1.310	0.760	1.602	1.052	Yes
	LTE Band 48	Rear	0.203	0.007	0.085	0.640	0.182	0.850	0.392	0.935	0.477	No
		Rear Tilt	0.207	0.066				0.913	0.455	0.998	0.540	No
		Edge 4	0.671	0.021	0.000	0.827	0.431	1.519	1.123	1.519	1.123	No
		Edge 2	0.053	0.000	0.269	0.971	0.447	1.024	0.500	1.293	0.769	No
		Edge 1	0.230	0.239	0.000	0.077	0.008	0.546	0.477	0.546	0.477	No
		Edge 4 Tilt	0.056	0.004	0.000	1.089	0.627	1.149	0.687	1.149	0.687	No
		Edge 2 Tilt	0.029	0.000	0.292	1.197	0.647	1.226	0.676	1.518	0.968	No

NR	LTE	Configuration	NR	LTE	Bluetooth	5GHz MIMO	6E MIMO	NR+ LTE + 5GHz MIMO	NR+LTE + 6E MIMO	NR+LTE + 5GHz MIMO + BT	NR+LTE + 6E MIMO + BT	SPLSR
			1	2	3	4	5	1+2+4	1+2+5	1+2+3+4	1+2+3+5	
NR Band n5	LTE Band 2/25	Rear	0.165	0.084	0.085	0.640	0.182	0.889	0.431	0.974	0.516	No
		Rear Tilt	0.177	0.507				1.324	0.866	1.409	0.951	No
		Edge 4	0.323	0.496	0.000	0.827	0.431	1.646	1.250	1.646	1.250	Yes
		Edge 2	0.095	0.056	0.269	0.971	0.447	1.122	0.598	1.391	0.867	No
		Edge 1	0.267	0.633	0.000	0.077	0.008	0.977	0.908	0.977	0.908	No
		Edge 4 Tilt	0.030	0.135	0.000	1.089	0.627	1.254	0.792	1.254	0.792	No
		Edge 2 Tilt	0.152	0.040	0.292	1.197	0.647	1.389	0.839	1.681	1.131	Yes
	LTE Band 7	Rear	0.165	0.250	0.085	0.640	0.182	1.055	0.597	1.140	0.682	No
		Rear Tilt	0.177	0.581				1.398	0.940	1.483	1.025	No
		Edge 4	0.323	0.245	0.000	0.827	0.431	1.395	0.999	1.395	0.999	No
		Edge 2	0.095	0.056	0.269	0.971	0.447	1.122	0.598	1.391	0.867	No
		Edge 1	0.267	0.496	0.000	0.077	0.008	0.840	0.771	0.840	0.771	No
		Edge 4 Tilt	0.030	0.029	0.000	1.089	0.627	1.148	0.686	1.148	0.686	No
		Edge 2 Tilt	0.152	0.058	0.292	1.197	0.647	1.407	0.857	1.699	1.149	Yes
	LTE Band 66	Rear	0.165	0.146	0.085	0.640	0.182	0.951	0.493	1.036	0.578	No
		Rear Tilt	0.177	0.433				1.250	0.792	1.335	0.877	No
		Edge 4	0.323	0.327	0.000	0.827	0.431	1.477	1.081	1.477	1.081	No
		Edge 2	0.095	0.011	0.269	0.971	0.447	1.077	0.553	1.346	0.822	No
		Edge 1	0.267	0.698	0.000	0.077	0.008	1.042	0.973	1.042	0.973	No
		Edge 4 Tilt	0.030	0.158	0.000	1.089	0.627	1.277	0.815	1.277	0.815	No
		Edge 2 Tilt	0.152	0.022	0.292	1.197	0.647	1.371	0.821	1.663	1.113	Yes

NR	LTE	Configuration	NR	LTE	Bluetooth	5GHz MIMO	6E MIMO	NR+ LTE + 5GHz MIMO	NR+LTE + 6E MIMO	NR+LTE + 5GHz MIMO + BT	NR+LTE + 6E MIMO + BT	SPLSR
			1	2	3	4	5	1+2+4	1+2+5	1+2+3+4	1+2+3+5	
NR Band n66	LTE Band 5/26	Rear	0.226	0.105	0.085	0.640	0.182	0.971	0.513	1.056	0.598	No
		Rear Tilt	0.144	0.419				1.203	0.745	1.288	0.830	No
		Edge 4	0.430	0.295	0.000	0.827	0.431	1.552	1.156	1.552	1.156	No
		Edge 2	0.008	0.074	0.269	0.971	0.447	1.053	0.529	1.322	0.798	No
		Edge 1	0.297	0.707	0.000	0.077	0.008	1.081	1.012	1.081	1.012	No
		Edge 4 Tilt	0.050	0.107	0.000	1.089	0.627	1.246	0.784	1.246	0.784	No
		Edge 2 Tilt	0.033	0.125	0.292	1.197	0.647	1.355	0.805	1.647	1.097	Yes
	LTE Band 12	Rear	0.226	0.093	0.085	0.640	0.182	0.959	0.501	1.044	0.586	No
		Rear Tilt	0.144	0.320				1.104	0.646	1.189	0.731	No
		Edge 4	0.430	0.094	0.000	0.827	0.431	1.351	0.955	1.351	0.955	No
		Edge 2	0.008	0.026	0.269	0.971	0.447	1.005	0.481	1.274	0.750	No
		Edge 1	0.297	0.521	0.000	0.077	0.008	0.895	0.826	0.895	0.826	No
		Edge 4 Tilt	0.050	0.063	0.000	1.089	0.627	1.202	0.740	1.202	0.740	No
		Edge 2 Tilt	0.033	0.043	0.292	1.197	0.647	1.273	0.723	1.565	1.015	No
	LTE Band 13	Rear	0.226	0.111	0.085	0.640	0.182	0.977	0.519	1.062	0.604	No
		Rear Tilt	0.144	0.422				1.206	0.748	1.291	0.833	No
		Edge 4	0.430	0.229	0.000	0.827	0.431	1.486	1.090	1.486	1.090	No
		Edge 2	0.008	0.037	0.269	0.971	0.447	1.016	0.492	1.285	0.761	No
		Edge 1	0.297	0.590	0.000	0.077	0.008	0.964	0.895	0.964	0.895	No
		Edge 4 Tilt	0.050	0.119	0.000	1.089	0.627	1.258	0.796	1.258	0.796	No
		Edge 2 Tilt	0.033	0.088	0.292	1.197	0.647	1.318	0.768	1.610	1.060	Yes
	LTE Band 14	Rear	0.226	0.116	0.085	0.640	0.182	0.982	0.524	1.067	0.609	No
		Rear Tilt	0.144	0.428				1.212	0.754	1.297	0.839	No
		Edge 4	0.430	0.258	0.000	0.827	0.431	1.515	1.119	1.515	1.119	No
		Edge 2	0.008	0.055	0.269	0.971	0.447	1.034	0.510	1.303	0.779	No
		Edge 1	0.297	0.626	0.000	0.077	0.008	1.000	0.931	1.000	0.931	No
		Edge 4 Tilt	0.050	0.128	0.000	1.089	0.627	1.267	0.805	1.267	0.805	No
		Edge 2 Tilt	0.033	0.084	0.292	1.197	0.647	1.314	0.764	1.606	1.056	Yes
	LTE Band 48	Rear	0.226	0.007	0.085	0.640	0.182	0.873	0.415	0.958	0.500	No
		Rear Tilt	0.144	0.066				0.850	0.392	0.935	0.477	No
		Edge 4	0.430	0.021	0.000	0.827	0.431	1.278	0.882	1.278	0.882	No
		Edge 2	0.008	0.000	0.269	0.971	0.447	0.979	0.455	1.248	0.724	No
		Edge 1	0.297	0.239	0.000	0.077	0.008	0.613	0.544	0.613	0.544	No
		Edge 4 Tilt	0.050	0.004	0.000	1.089	0.627	1.143	0.681	1.143	0.681	No
		Edge 2 Tilt	0.033	0.000	0.292	1.197	0.647	1.230	0.680	1.522	0.972	No

NR	LTE	Configuration	NR	LTE	Bluetooth	5GHz MIMO	6E MIMO	NR+ LTE + 5GHz MIMO	NR+LTE + 6E MIMO	NR+LTE + 5GHz MIMO + BT	NR+LTE + 6E MIMO + BT	SPLSR
			1	2	3	4	5	1+2+4	1+2+5	1+2+3+4	1+2+3+5	
NR Band n77	LTE Band 2/25	Rear	0.192	0.084	0.085	0.640	0.182	0.916	0.458	1.001	0.543	No
		Rear Tilt	0.085	0.507				1.232	0.774	1.317	0.859	No
		Edge 4	0.379	0.496	0.000	0.827	0.431	1.702	1.306	1.702	1.306	Yes
		Edge 2	0.130	0.056	0.269	0.971	0.447	1.157	0.633	1.426	0.902	No
		Edge 1	0.564	0.633	0.000	0.077	0.008	1.274	1.205	1.274	1.205	No
		Edge 4 Tilt	0.012	0.135	0.000	1.089	0.627	1.236	0.774	1.236	0.774	No
		Edge 2 Tilt	0.076	0.040	0.292	1.197	0.647	1.313	0.763	1.605	1.055	Yes
	LTE Band 5/26	Rear	0.192	0.105	0.085	0.640	0.182	0.937	0.479	1.022	0.564	No
		Rear Tilt	0.085	0.419				1.144	0.686	1.229	0.771	No
		Edge 4	0.379	0.295	0.000	0.827	0.431	1.501	1.105	1.501	1.105	No
		Edge 2	0.130	0.074	0.269	0.971	0.447	1.175	0.651	1.444	0.920	No
		Edge 1	0.564	0.707	0.000	0.077	0.008	1.348	1.279	1.348	1.279	No
		Edge 4 Tilt	0.012	0.107	0.000	1.089	0.627	1.208	0.746	1.208	0.746	No
		Edge 2 Tilt	0.076	0.125	0.292	1.197	0.647	1.398	0.848	1.690	1.140	Yes
	LTE Band 7	Rear	0.192	0.250	0.085	0.640	0.182	1.082	0.624	1.167	0.709	No
		Rear Tilt	0.085	0.581				1.306	0.848	1.391	0.933	No
		Edge 4	0.379	0.245	0.000	0.827	0.431	1.451	1.055	1.451	1.055	No
		Edge 2	0.130	0.056	0.269	0.971	0.447	1.157	0.633	1.426	0.902	No
		Edge 1	0.564	0.496	0.000	0.077	0.008	1.137	1.068	1.137	1.068	No
		Edge 4 Tilt	0.012	0.029	0.000	1.089	0.627	1.130	0.668	1.130	0.668	No
		Edge 2 Tilt	0.076	0.058	0.292	1.197	0.647	1.331	0.781	1.623	1.073	Yes
	LTE Band 12	Rear	0.192	0.093	0.085	0.640	0.182	0.925	0.467	1.010	0.552	No
		Rear Tilt	0.085	0.320				1.045	0.587	1.130	0.672	No
		Edge 4	0.379	0.094	0.000	0.827	0.431	1.300	0.904	1.300	0.904	No
		Edge 2	0.130	0.026	0.269	0.971	0.447	1.127	0.603	1.396	0.872	No
		Edge 1	0.564	0.521	0.000	0.077	0.008	1.162	1.093	1.162	1.093	No
		Edge 4 Tilt	0.012	0.063	0.000	1.089	0.627	1.164	0.702	1.164	0.702	No
		Edge 2 Tilt	0.076	0.043	0.292	1.197	0.647	1.316	0.766	1.608	1.058	Yes
	LTE Band 13	Rear	0.192	0.111	0.085	0.640	0.182	0.943	0.485	1.028	0.570	No
		Rear Tilt	0.085	0.422				1.147	0.689	1.232	0.774	No
		Edge 4	0.379	0.229	0.000	0.827	0.431	1.435	1.039	1.435	1.039	No
		Edge 2	0.130	0.037	0.269	0.971	0.447	1.138	0.614	1.407	0.883	No
		Edge 1	0.564	0.590	0.000	0.077	0.008	1.231	1.162	1.231	1.162	No
		Edge 4 Tilt	0.012	0.119	0.000	1.089	0.627	1.220	0.758	1.220	0.758	No
		Edge 2 Tilt	0.076	0.088	0.292	1.197	0.647	1.361	0.811	1.653	1.103	Yes
	LTE Band 14	Rear	0.192	0.116	0.085	0.640	0.182	0.948	0.490	1.033	0.575	No
		Rear Tilt	0.085	0.428				1.153	0.695	1.238	0.780	No
		Edge 4	0.379	0.258	0.000	0.827	0.431	1.464	1.068	1.464	1.068	No
		Edge 2	0.130	0.055	0.269	0.971	0.447	1.156	0.632	1.425	0.901	No
		Edge 1	0.564	0.626	0.000	0.077	0.008	1.267	1.198	1.267	1.198	No
		Edge 4 Tilt	0.012	0.128	0.000	1.089	0.627	1.229	0.767	1.229	0.767	No
		Edge 2 Tilt	0.076	0.084	0.292	1.197	0.647	1.357	0.807	1.649	1.099	Yes
	LTE Band 41	Rear	0.192	0.195	0.085	0.640	0.182	1.027	0.569	1.112	0.654	No
		Rear Tilt	0.085	0.689				1.414	0.956	1.499	1.041	No
		Edge 4	0.379	0.119	0.000	0.827	0.431	1.325	0.929	1.325	0.929	No
		Edge 2	0.130	0.030	0.269	0.971	0.447	1.131	0.607	1.400	0.876	No
		Edge 1	0.564	0.702	0.000	0.077	0.008	1.343	1.274	1.343	1.274	No
		Edge 4 Tilt	0.012	0.018	0.000	1.089	0.627	1.119	0.657	1.119	0.657	No
		Edge 2 Tilt	0.076	0.021	0.292	1.197	0.647	1.294	0.744	1.586	1.036	No
	LTE Band 66	Rear	0.192	0.146	0.085	0.640	0.182	0.978	0.520	1.063	0.605	No
		Rear Tilt	0.085	0.433				1.158	0.700	1.243	0.785	No
		Edge 4	0.379	0.327	0.000	0.827	0.431	1.533	1.137	1.533	1.137	No
		Edge 2	0.130	0.011	0.269	0.971	0.447	1.112	0.588	1.381	0.857	No
		Edge 1	0.564	0.698	0.000	0.077	0.008	1.339	1.270	1.339	1.270	No
		Edge 4 Tilt	0.012	0.158	0.000	1.089	0.627	1.259	0.797	1.259	0.797	No
		Edge 2 Tilt	0.076	0.022	0.292	1.197	0.647	1.295	0.745	1.587	1.037	No

15.1 SAR to Peak Location Separation Ratio (SPLSR)

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:

SAR₁ 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

SAR₂ 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 > 4 W/kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

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

The SAR measurement results between the antennas of each WWAN/WLAN/BT mode of the DUT are spatially spaced apart to verify the SPLSR of the WWAN/WLAN/BT mode of the distribution map in Sec. 16 to verify that the simultaneous transmission evaluation is exempted.

SPLSR Evaluation

Position	Mode/Band	X(mm)	Y(mm)	Z(mm)	Reported SAR [W/kg]
Edge 4	LTE Band 7	3.6	88.4	-181.0	0.245
	LTE Band 12	3.0	101.0	-181.0	0.094
	LTE Band 13	3.0	99.5	-181.0	0.229
	LTE Band 14	4.5	99.5	-181.0	0.258
	LTE Band 25	3.0	103.0	-181.0	0.496
	LTE Band 26	3.0	95.0	-181.0	0.295
	LTE Band 41	22.0	83.0	-174.0	0.119
	LTE Band 48	11.0	99.0	-174.0	0.017
	LTE Band 66	4.5	72.5	-181.0	0.327
	NR Band n2	7.5	101.0	-178.0	0.671
	NR Band n5	7.5	97.5	-178.0	0.323
	NR Band n66	0.0	79.5	-178.0	0.430
	NR Band n77	9.6	108.0	-178.0	0.379
	WLAN 2.4 GHz Main	12.0	-67.8	-178.0	1.095
	WLAN 5 GHz Main	12.0	-67.0	-178.0	0.827
Edge 2 Tilt	LTE Band 7	-1.2	-103.0	-178.0	0.058
	LTE Band 12	-2.5	-97.5	-178.0	0.043
	LTE Band 13	23.0	-93.0	-178.0	0.088
	LTE Band 14	11.0	-91.5	-178.0	0.084
	LTE Band 25	9.5	-107.0	-178.0	0.040
	LTE Band 26	9.5	-91.5	-178.0	0.125
	LTE Band 66	-17.5	-96.0	-178.0	0.022
	NR Band n2	8.0	-104.0	-178.0	0.029
	NR Band n5	8.0	-101.0	-178.0	0.152
	NR Band n66	-16.0	-91.5	-178.0	0.033
	NR Band n77	-7.2	-90.0	-178.0	0.076
	WLAN 5 GHz Aux	-3.0	67.0	-178.0	1.195
Edge 4 Tilt	LTE Band 13	4.5	92.0	-181.0	0.119
	LTE Band 66	6.0	106.0	-180.0	0.158
	WLAN 2.4 GHz Main	-2.4	-69.8	-178.0	1.317
	WLAN 2.4 GHz Aux	-3.0	-101.0	-177.0	0.007

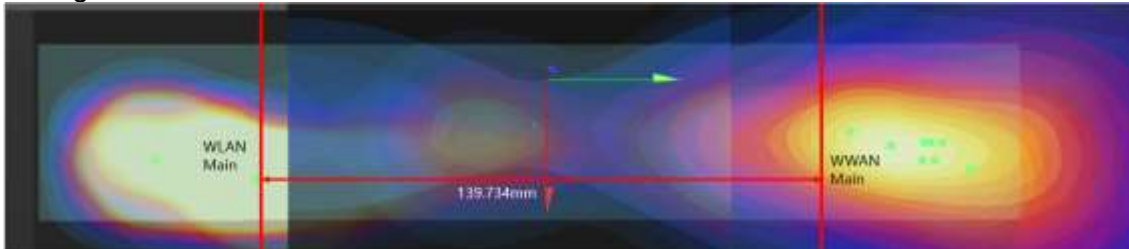
Position	Max Mode		Sum 1g SAR	Peak SAR Separation Distance	SPLSR
				[mm]	
	1	2	1+2	1+2	
Edge 4	LTE Band 7 + NR Band n5	WLAN 2.4 GHz Main	1.663	156.454	0.014
	LTE Band 7 + NR Band n77	WLAN 2.4 GHz Main	1.719	156.454	0.014
	LTE Band 12 + NR Band n2	WLAN 2.4 GHz Main	1.860	168.860	0.015
	LTE Band 12 + NR Band n66	WLAN 2.4 GHz Main	1.619	147.788	0.014
	LTE Band 13 + NR Band n2	WLAN 2.4 GHz Main	1.995	167.569	0.017
	LTE Band 13 + NR Band n66	WLAN 2.4 GHz Main	1.754	147.788	0.016
	LTE Band 13 + NR Band n77	WLAN 2.4 GHz Main	1.703	167.569	0.013
	LTE Band 14 + NR Band n2	WLAN 2.4 GHz Main	2.024	167.495	0.017
	LTE Band 14 + NR Band n66	WLAN 2.4 GHz Main	1.783	147.788	0.016
	LTE Band 14 + NR Band n77	WLAN 2.4 GHz Main	1.732	167.495	0.014
	LTE Band 25 + NR Band n5	WLAN 2.4 GHz Main	1.914	171.063	0.015
	LTE Band 25 + NR Band n77	WLAN 2.4 GHz Main	1.970	171.063	0.016
	LTE Band 26 +NR Band n2	WLAN 2.4 GHz Main	2.067	163.076	0.018
	LTE Band 26 + NR Band n66	WLAN 2.4 GHz Main	1.82	147.788	0.017
	LTE Band 26 + NR Band n77	WLAN 2.4 GHz Main	1.769	163.076	0.015
	LTE Band 48 + NR Band n2	WLAN 2.4 GHz Main	1.787	166.851	0.014
	LTE Band 66 + NR Band n5	WLAN 2.4 GHz Main	1.745	140.532	0.016
	LTE Band 66 + NR Band n77	WLAN 2.4 GHz Main	1.801	140.532	0.017
	LTE Band 13 + NR Band n2	WLAN 5 GHz Main	1.727	166.770	0.014
	LTE Band 14 + NR Band n2	WLAN 5 GHz Main	1.756	166.696	0.014
	LTE Band 25 + NR Band n5	WLAN 5 GHz Main	1.646	170.265	0.012
	LTE Band 25 + NR Band n77	WLAN 5 GHz Main	1.702	170.265	0.013
	LTE Band 26 + NR Band n2	WLAN 5 GHz Main	1.793	162.278	0.015
	LTE Band 2/25 +LTE Band 12	WLAN 2.4 GHz Main	1.685	169.066	0.013
	LTE Band 2/25 +LTE Band 13	WLAN 2.4 GHz Main	1.820	167.569	0.015
	LTE Band 2/25 +LTE Band 26	WLAN 2.4 GHz Main	1.886	163.076	0.016
	LTE Band 4/66 + LTE Band 13	WLAN 2.4 GHz Main	1.651	140.532	0.015
	LTE Band 4/66 + LTE Band 26	WLAN 2.4 GHz Main	1.717	140.532	0.016
	LTE Band 5/26 + LTE Band 7	WLAN 2.4 GHz Main	1.635	156.455	0.013
	LTE Band 2/25 + LTE Band 5/26	WLAN 5GHz Main	1.618	162.278	0.013

Position	Max Mode		Sum 1g SAR	Peak SAR Separation Distance	SPLSR
				[mm]	
	1	2	1+2	1+2	
Edge 2 Tilt	LTE Band 7 + NR Band n5	WLAN 5 GHz Aux	1.699	170.010	0.013
	LTE Band 7 + NR Band n77	WLAN 5 GHz Aux	1.624	157.056	0.013
	LTE Band 12 + NR Band n77	WLAN 5 GHz Aux	1.609	157.056	0.013
	LTE Band 13 + NR Band n2	WLAN 5 GHz Aux	1.606	162.099	0.013
	LTE Band 13+ NR Band n66	WLAN 5 GHz Aux	1.610	157.537	0.013
	LTE Band 13 + NR Band n77	WLAN 5 GHz Aux	1.654	157.056	0.014
	LTE Band 14 + NR Band n2	WLAN 5 GHz Aux	1.602	159.117	0.013
	LTE Band 14 + NR Band n66	WLAN 5 GHz Aux	1.606	157.537	0.013
	LTE Band 14 + NR Band n77	WLAN 5 GHz Aux	1.650	157.056	0.013
	LTE Band 2/25 + NR Band n5	WLAN 5 GHz Aux	1.681	174.448	0.012
	LTE Band 2/25 + NR Band n77	WLAN 5 GHz Aux	1.606	157.056	0.013
	LTE Band 5/26 + NR Band n2	WLAN 5 GHz Aux	1.643	158.992	0.013
	LTE Band 5/26 + NR Band n66	WLAN 5 GHz Aux	1.647	157.537	0.013
	LTE Band 5/26 + NR Band n77	WLAN 5 GHz Aux	1.691	157.056	0.014
	LTE Band 4/66 + NR Band n5	WLAN 5 GHz Aux	1.663	163.644	0.013
	LTE Band 5/26	WLAN 5 GHz Aux	1.614	160.488	0.013
	LTE Band 2/25 + LTE Band 13	WLAN 5 GHz Aux	1.617	162.099	0.013
	LTE Band 2/25 + LTE Band 26	WLAN 5 GHz Aux	1.654	158.992	0.013
	LTE Band 5/26 + LTE Band 7	WLAN 5 GHz Aux	1.672	158.992	0.014
	LTE Band 4/66 + LTE Band 5/26	WLAN 5 GHz Aux	1.636	158.992	0.013
	LTE Band 4/66 + LTE Band 13	WLAN 5 GHz Aux	1.599	162.099	0.012

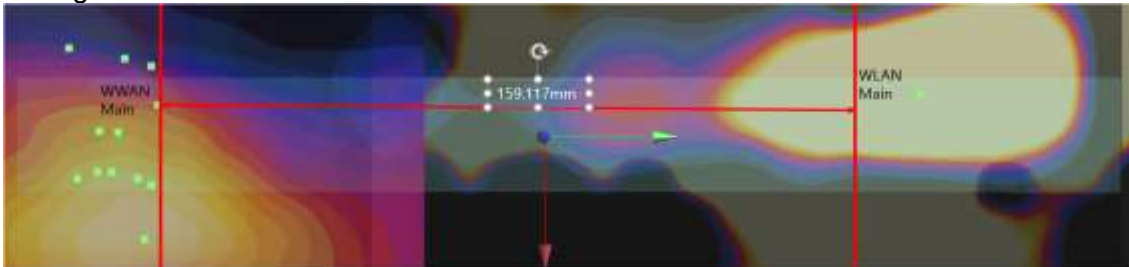
Position	Max Mode		Sum 1g SAR	Peak SAR Separation Distance	SPLSR
				[mm]	
	1	2	1+2	1+2	
Edge 4 Tilt	LTE Band 4/66 + LTE Band 13	WLAN 2.4 GHz Main	1.601	161.975	0.013

SPLSR Plot

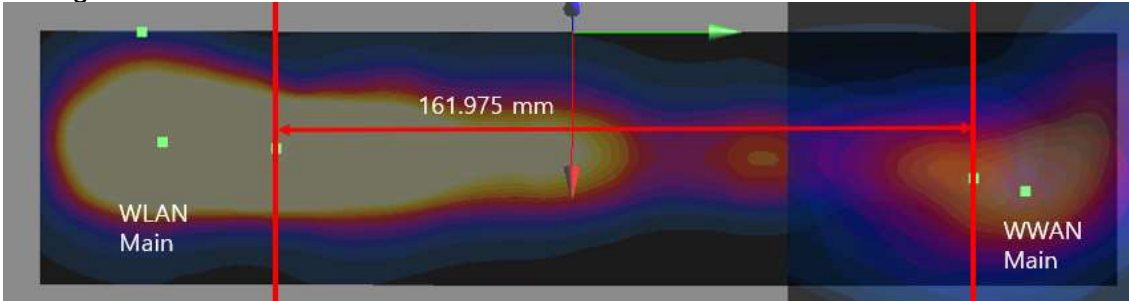
1. Edge 4



2. Edge 2 Tilt



3. Edge 4 Tilt



15.2 Simultaneous Transmission Conclusion

The above numerical summed SAR Results are sufficient to determine that simultaneous transmission cases will not exceed the SAR Limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and the IEEE1528-2013.

16. SAR Measurement Variability and Uncertainty

In accordance with KDB procedure 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz, SAR additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement variability was assessed using the following procedures for each frequency band:

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg for 1g SAR or < 2.0 W/kg for 10g SAR; steps 2) through 4) do not apply.
- 2) When the original highest measured 1g SAR is ≥ 0.80 W/kg or 10g SAR ≥ 2.0 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg for 1g SAR or ≥ 3.625 W/kg for 10g SAR (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg for 1g SAR or ≥ 3.75 W/kg for 10g SAR and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

17. Measurement Uncertainty

The measured SAR was <1.5 W/Kg for 1g SAR and <3.75 W/Kg For 10g SAR for all frequency Bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE1528-2013 was not required.

18. SAR Test Equipment

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	ELI Phantom	-	N/A	N/A	N/A
HP	SAR System Control PC	-	N/A	N/A	N/A
Staubli	CS8Cspeag-TX60	F/20/0018446/C/001	N/A	N/A	N/A
Staubli	TX60 Lspeag	F/20/0018446/A/001	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	020885	N/A	N/A	N/A
TESTO	175-H1/Thermometer	44606611906	03/20/2024	Annual	03/20/2025
Staubli	CS8Cspeag-TX60L	F10/5D1CA1/C/01	N/A	N/A	N/A
Staubli	TX60 Xlspeag	F10/5D1CA1/A/01	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-0123	N/A	N/A	N/A
TESTO	175-H1/Thermometer	44606559906	03/20/2024	Annual	03/20/2025
Staubli	CS9spe-TX2-90	F/24/0058554/C/002	N/A	N/A	N/A
Staubli	TX2-90XL spe	F/24/0058554/A/002	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	D21144508	N/A	N/A	N/A
TESTO	175-H1/Thermometer	40332651310	12/26/2023	Annual	12/26/2024
SPEAG	DAE4	1464	06/16/2023	Annual	06/16/2024
SPEAG	DAE4	868	09/20/2023	Annual	09/20/2024
SPEAG	DAE4	466	04/18/2024	Annual	04/18/2025
SPEAG	E-Field Probe EX3DV4	7309	06/19/2023	Annual	06/19/2024
SPEAG	E-Field Probe EX3DV4	3768	07/18/2023	Annual	07/18/2024
SPEAG	E-Field Probe EX3DV4	7370	08/24/2023	Annual	08/24/2024
SPEAG	Dipole D750V3	1014	05/23/2023	Annual	05/23/2024
SPEAG	Dipole D835V2	441	04/18/2024	Annual	04/18/2025
SPEAG	Dipole D1800V2	2d007	04/15/2024	Annual	04/15/2025
SPEAG	Dipole D1900V2	5d032	01/18/2024	Annual	01/18/2025
SPEAG	Dipole D2600V2	1015	04/22/2024	Annual	04/22/2025
SPEAG	Dipole D3500V2	1132	01/23/2024	Annual	01/23/2025
SPEAG	Dipole D3700V2	1105	11/20/2023	Annual	11/20/2024
SPEAG	Dipole D3900V2	1086	05/21/2024	Annual	05/21/2025
Agilent	WIRELESS COMMUNICATION E5515C	MY48361100	09/21/2023	Annual	09/21/2024
Agilent	Power Meter E4419B	MY41291386	09/21/2023	Annual	09/21/2024
Agilent	Power Meter N1911A	MY45101406	05/21/2024	Annual	05/21/2025
Agilent	Power Sensor 8481A	SG1091286	09/21/2023	Annual	09/21/2024
H.P	Power Sensor 8481A	MY41090675	09/21/2023	Annual	09/21/2024
Agilent	Wideband Power Sensor N1921A	MY55220026	07/28/2023	Annual	07/28/2024
Agilent	11636B/Power Divider	58698	01/15/2024	Annual	01/15/2025
SPEAG	DAKS 3.5	1038	01/22/2024	Annual	01/22/2025
SPEAG	Vector Reflectometer	0141013	01/11/2024	Annual	01/11/2025
H.P	Network Analyzer /8753ES	JP39240221	12/26/2023	Annual	12/26/2024
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/19/2024	Annual	03/19/2025
Keysight	PSG Vector Signal Generator	MY50350097	03/05/2024	Annual	03/05/2025
EMPOWER	RF Power Amplifier	1084	05/26/2023	Annual	05/26/2024
EMPOWER	RF Power Amplifier	1084	05/21/2024	Annual	05/21/2025
EMPOWER	RF Power Amplifier	1041D/C0508	05/26/2023	Annual	05/26/2024
EMPOWER	RF Power Amplifier	1041D/C0508	05/21/2024	Annual	05/21/2025
EMPOWER	RF Power Amplifier	1011	09/21/2023	Annual	09/21/2024
MICRO LAB	LP Filter / LA-15N	10453	09/21/2023	Annual	09/21/2024
MICRO LAB	LP Filter / LA-30N	-	09/21/2023	Annual	09/21/2024
MICRO LAB	LP Filter / LA-60N	32011	09/21/2023	Annual	09/21/2024
Agilent	Attenuator (3dB) 8693B	MY39260298	08/22/2023	Annual	08/22/2024
HP	Attenuator (3dB) 33340A	02427	08/22/2023	Annual	08/22/2024
HP	Attenuator (20dB) 8493C	09271	08/22/2023	Annual	08/22/2024
Agilent	Directional Bridge 86205A	3140A04581	04/22/2024	Annual	04/22/2025
HP	Dual Directional Coupler	16072	09/21/2023	Annual	09/21/2024
Anritsu	Radio Communication Test Station MT8000A	6261987928	01/18/2024	Annual	01/18/2025
Anritsu	Radio Communication Tester MT8820C	6200695605	03/19/2024	Annual	03/19/2025
Anritsu	Radio Communication Tester MT8821C	6201664725	01/22/2024	Annual	01/17/2025

* The E-field probe was calibrated by SPEAG, by the waveguide technique procedure. Dipole Verification measurement is performed by HCT Lab. before each test. The brain/body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity (dielectric constant) of the brain/body-equivalent material.

19. Conclusion

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the ANSI/ IEEE C95.1 - 2005.

These measurements were taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

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Appendix A. DUT Ant. Information & SETUP PHOTO

Please refer to test DUT Ant. Information & setup photo file no. as follows:

Report No.
HCT-SR-2406-FC004-R1-P