



TEST REPORT

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR23-SPF0030-B Page (1) of (515)	KCTL
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- 1. Client**
 - Name : Samsung Electronics Co., Ltd.
 - Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677
Rep. of Korea
 - Date of Receipt : 2023-03-14
- 2. Use of Report** : Class II Permissive Change
- 3. Name of Product and Model** : 5G Sub-6 GHz M.2 Module with WCDMA and LTE
 - Model Number : RM520N-GL
 - Manufacturer and Country of Origin : Samsung Electronics Co., Ltd. / Vietnam
- 4. Host Product Name** : Notebook PC
 - Host Model Name : NP935QNA
 - Manufacturer : Samsung Electronics Co., Ltd.
- 5. FCC ID** : A3LRM520N935QNA
- 6. Date of Test** : 2023-04-07 ~ 2023-05-20
- 7. Location of Test** : ☒ Permanent Testing Lab ☐ On Site Testing
 (Address: 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea)
- 8. Test Standards** : IEEE 1528-2013, ANSI/IEEE C95.1, KDB Publication
- 9. Test Results** : Refer to the test result in the test report

Affirmation	Tested by Name : Mungi Jeong (Signature)	Technical Manager Name : Jongwon Ma (Signature)
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2023-06-07

Eurofins KCTL Co.,Ltd.

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REPORT REVISION HISTORY

Date	Revision	Page No
2023-05-30	Originally issued	-
2023-06-02	Tune-up power revised Antenna Location & Distance revised	7~8 515
2023-06-07	WLAN 6 GHz simultaneous Transmission deleted	209~217

Note: The Report No. KR23-SPF0030-A is superseded by the report No. KR23-SPF0030-B.

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General remarks for test reports

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(may be required by the product standard or client)

☐ Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the testing laboratory that conducted the testing.

☒ Statement not required by the standard or client used for type testing

1. Identification when information is provided by the customer: Information marked " # " is provided by the customer. - Disclaimer: This information is provided by the customer and can affect the validity of results.

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1. General information

Client : Samsung Electronics Co., Ltd.
 Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
 Manufacturer : Samsung Electronics Co., Ltd.
 Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
 Laboratory : Eurofins KCTL Co.,Ltd.
 Address : 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
 Accreditations : FCC Site Designation No: KR0040, FCC Site Registration No: 687132
 VCCI Registration No. : R-3327, G-198, C-3706, T-1849
 CAB Identifier: KR0040, ISED Number: 8035A
 KOLAS No.: KT231

1.1 Report Overview

This report details the results of testing carried out on the samples listed in section 2, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this test report is used in any configuration other than that detailed in the test report, the manufacturer must ensure the new configuration complies with all relevant standards and certification requirements. Any mention of Eurofins KCTL Co.,Ltd. Wireless lab or testing done by Eurofins KCTL Co.,Ltd. Wireless lab made in connection with the distribution or use of the tested product must be approved in writing by Eurofins KCTL Co.,Ltd. Wireless lab.

2. Device information

2.1 Basic description

Product Name		5G Sub-6 GHz M.2 Module with WCDMA and LTE	
Product Model Number		RM520N-GL	
Product Manufacturer		Samsung Electronics Co., Ltd.	
Host Product Name		Notebook PC	
Host Model Number		NP935QNA	
Host Manufacturer		Samsung Electronics Co., Ltd.	
Product Serial Number	Radiation	KQZZ930W300218X	
		KQZZ930W300355W	
	Conduction	KQZZ930W300188W	
		KQZZ930W300187X	
Mode of Operation		WCDMA II/ IV/ V, LTE Band 2/4/5/12/14/66 NR Band n2/n5/n66/n77	
Device Overview		WCDMA II: 1 852.4 MHz ~ 1 907.6 MHz	
		WCDMA IV: 1 712.4 MHz ~ 1 752.6 MHz	
		WCDMA V: 826.4 MHz ~ 846.6 MHz	
		LTE Band 2: 1 850.7 MHz ~ 1 909.3 MHz	
		LTE Band 4: 1 710.7 MHz ~ 1 754.3 MHz	
		LTE Band 5: 824.7 MHz ~ 848.3 MHz	
		LTE Band 12: 699.7 MHz ~ 715.3 MHz	
		LTE Band 14: 790.5 MHz ~ 795.5 MHz	
		LTE Band 66: 1 710.7 MHz ~ 1 779.3 MHz	
		NR Band n2: 1 852.5 MHz ~ 1 907.5 MHz	
		NR Band n5: 826.5 MHz ~ 846.5 MHz	
		NR Band n66: 1 712.5 MHz ~ 1 777.5 MHz	
		NR Band n77(DoD): 3 460.02 MHz ~ 3 540.00 MHz	
NR Band n77: 3 710.01 MHz ~ 3 969.99 MHz			

2.2 Summary of SAR Test Results

Band	Ant.	Equipment Class	Highest Reported
			1g SAR (W/kg)
WCDMA Band II		PCB	1.20
WCDMA Band IV		PCB	0.94
WCDMA Band V		PCB	1.18
LTE Band 2	Ant.0	PCB	1.20
	Ant.2	PCB	0.50
LTE Band 4		PCB	N/A
LTE Band 5		PCB	1.27
LTE Band 12		PCB	0.56
LTE Band 14		PCB	1.01
LTE Band 66	Ant.0	PCB	1.01
	Ant.2	PCB	0.87
NR Band n2	Ant.0	PCB	1.22
	Ant.2	PCB	0.55
NR Band n5		PCB	1.36
NR Band n66	Ant.0	PCB	1.12
	Ant.2	PCB	0.68
NR Band n77		PCB	1.29
Simultaneous SAR per KDB 690783 D01v01r03			1.59

2.3 #Antenna information

Antenna Type		PIPA antenna												
Band		WCDMA			LTE						NR			
		II	IV	V	2	4	5	12	14	66	n2	n5	n66	n77
Peak gain (dBi)	Ant.0	0.93	0.91	0.09	0.93	0.91	0.09	0.55	0.55	0.91	0.93	0.09	0.91	-
	Ant.2	-	-	-	0.49	0.49	-	-	-	0.49	0.49	-	0.49	1.92

2.4 #Maximum Tune-up power

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 D04v01.

2.4.1 #Maximum 3G/4G/5G Output Power

Band	Mode		Output Power (dB m)									P_{max}
			Normal			Back-off						
						Grip sensor			Tablet			
Target	Max. Allowed	P_{limit}	Target	Max. Allowed	P_{limit}	Target	Max. Allowed	P_{limit}				
WCDM A II	RMC		24.00	25.00	25.50	17.00	18.00	17.00	14.00	15.00	14.00	24.00
	HSDPA	Subtest-1	23.00	24.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-2	23.00	24.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-3	22.50	23.50	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-4	22.50	23.50	-	17.00	18.00	-	14.00	15.00	-	-
	HSUPA	Subtest-1	23.00	24.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-2	21.00	22.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-3	22.00	23.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-4	21.00	22.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-5	23.00	24.00	-	17.00	18.00	-	14.00	15.00	-	-
	DC-HSDPA	Subtest-1	23.00	24.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-2	23.00	24.00	-	17.00	18.00	-	14.00	15.00	-	-
		Subtest-3	22.50	23.50	-	17.00	18.00	-	14.00	15.00	-	-
Subtest-4		22.50	23.50	-	17.00	18.00	-	14.00	15.00	-	-	
WCDM A IV	RMC		24.00	25.00	25.30	15.00	16.00	15.00	14.00	15.00	14.00	24.00
	HSDPA	Subtest-1	23.00	24.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-2	23.00	24.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-3	22.50	23.50	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-4	22.50	23.50	-	15.00	16.00	-	14.00	15.00	-	-
	HSUPA	Subtest-1	23.00	24.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-2	21.00	22.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-3	22.00	23.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-4	21.00	22.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-5	23.00	24.00	-	15.00	16.00	-	14.00	15.00	-	-
	DC-HSDPA	Subtest-1	23.00	24.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-2	23.00	24.00	-	15.00	16.00	-	14.00	15.00	-	-
		Subtest-3	22.50	23.50	-	15.00	16.00	-	14.00	15.00	-	-
Subtest-4		22.50	23.50	-	15.00	16.00	-	14.00	15.00	-	-	
WCDM A V	RMC		24.00	25.00	30.00	22.00	23.00	22.00	20.00	21.00	20.00	24.00
	HSDPA	Subtest-1	23.00	24.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-2	23.00	24.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-3	22.50	23.50	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-4	22.50	23.50	-	22.00	23.00	-	20.00	21.00	-	-
	HSUPA	Subtest-1	23.00	24.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-2	21.00	22.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-3	22.00	23.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-4	21.00	22.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-5	23.00	24.00	-	22.00	23.00	-	20.00	21.00	-	-
	DC-HSDPA	Subtest-1	23.00	24.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-2	23.00	24.00	-	22.00	23.00	-	20.00	21.00	-	-
		Subtest-3	22.50	23.50	-	22.00	23.00	-	20.00	21.00	-	-
Subtest-4		22.50	23.50	-	22.00	23.00	-	20.00	21.00	-	-	

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Band	Mode	Ant.	Output Power (dB m)									P_{max}
			Normal			Back-off						
						Grip sensor			Tablet			
			Target	Max. Allowed	P_{limit}	Target	Max. Allowed	P_{limit}	Target	Max. Allowed	P_{limit}	
LTE	2	Ant.0	23.00	25.00	25.70	16.00	18.00	16.00	13.00	15.00	13.00	23.00
		Ant.2	22.00	24.00	27.00							22.00
	4	Ant.0	23.00	Note) 25.00	14.00	Note) 16.00	14.00	13.00	Note) 15.00	13.00	23.00	
		Ant.2	22.00	24.00							28.40	22.00
	5	23.00	25.00	30.30	21.00	23.00	21.00	19.00	21.00	19.00	23.00	
	12	23.00	25.00	32.40	19.00	21.00	19.00	14.00	16.00	14.00	23.00	
	14	23.00	25.00	30.30	20.00	22.00	20.00	18.00	20.00	18.00	23.00	
	66	Ant.0	23.00	25.00	25.00	14.00	16.00	14.00	13.00	15.00	13.00	23.00
		Ant.2	22.00	24.00	28.40							22.00
	NR	n2	Ant.0	23.00	25.00	25.50	16.00	18.00	16.00	13.00	15.00	13.00
Ant.2			29.70									
n5		23.00	25.00	30.10	21.00	23.00	21.00	19.00	21.00	19.00	23.00	
n66		Ant.0	23.00	25.00	25.20	14.00	16.00	14.00	13.00	15.00	13.00	23.00
		Ant.2			28.50			14.00			13.00	
n77		25.00	26.00	24.90	11.50	12.50	11.50	6.50	7.50	6.50	25.00	

Notes:

LTE Band 4 Measured Results (Normal & Back-off)

SAR for LTE Band 4 (Frequency range: 1 710.7 ~ 1 754.3 MHz) is covered by LTE Band 66 (Frequency range: 1 710.7 ~ 1 779.3 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

2.5 SAR Test Configurations

2.5.1 #DUT Antenna Locations

The device is a 2-in-1 model that operations as a laptop when folded 90 degrees and as a tablet when folded 360 degrees. When in tablet mode the overall dimensions of this device are > 20 cm. A diagram showing the location of the device antennas can be found in Appendix E.

2.5.2 SAR Test Exclusion Considerations (Tablet Mode)

Band	Ant.	Freq. [MHz]	Output Power			Separation distances [mm]					SAR Exemption				
			dBm	mW	ERP (mW)	Rear	Left	Right	Top	Bottom	Rear	Left	Right	Top	Bottom
WCDMA II		1907.6	15.00	32	24	5	5	285	9	110	3 mW Measure	3 mW Measure	3060 EXEMPT	10 mW Measure	1014 EXEMPT
WCDMA IV		1752.6	15.00	32	24	5	5	285	9	110	4 mW Measure	4 mW Measure	3060 EXEMPT	11 mW Measure	1025 EXEMPT
WCDMA V		846.6	21.00	126	78	5	5	285	9	110	9 mW Measure	9 mW Measure	1727 EXEMPT	21 mW Measure	738 EXEMPT
LTE 2	Ant.0	1909.3	15.00	32	24	5	5	285	9	110	3 mW Measure	3 mW Measure	3060 EXEMPT	10 mW Measure	1014 EXEMPT
	Ant.2	1909.3	15.00	32	22	5	292	5	94	69	3 mW Measure	3060 EXEMPT	3 mW Measure	758 EXEMPT	428 EXEMPT
LTE 5		848.3	21.00	126	78	5	5	285	9	110	9 mW Measure	9 mW Measure	1731 EXEMPT	21 mW Measure	739 EXEMPT
LTE 12		715.3	16.00	40	28	5	5	285	9	110	11 mW Measure	11 mW Measure	1459 EXEMPT	25 mW Measure	666 EXEMPT
LTE 14		793.0	20.00	100	69	5	5	285	9	110	10 mW Measure	10 mW Measure	1618 EXEMPT	22 mW Measure	709 EXEMPT
LTE 66	Ant.0	1779.3	15.00	32	24	5	5	285	9	110	4 mW Measure	4 mW Measure	3060 EXEMPT	10 mW Measure	1023 EXEMPT
	Ant.2	1779.3	15.00	32	22	5	292	5	94	69	4 mW Measure	3060 EXEMPT	4 mW Measure	767 EXEMPT	435 EXEMPT
5G NR n2	Ant.0	1907.5	15.00	32	24	5	5	285	9	110	3 mW Measure	3 mW Measure	3060 EXEMPT	10 mW Measure	1014 EXEMPT
	Ant.2	1907.5	15.00	32	22	5	292	5	94	69	3 mW Measure	3060 EXEMPT	3 mW Measure	758 EXEMPT	428 EXEMPT
5G NR n5		846.5	21.00	126	78	5	5	285	9	110	9 mW Measure	9 mW Measure	1727 EXEMPT	21 mW Measure	738 EXEMPT
5G NR n66	Ant.0	1777.5	15.00	32	24	5	5	285	9	110	4 mW Measure	4 mW Measure	3060 EXEMPT	10 mW Measure	1023 EXEMPT
	Ant.2	1777.5	15.00	32	22	5	292	5	94	69	4 mW Measure	3060 EXEMPT	4 mW Measure	767 EXEMPT	435 EXEMPT
5G NR n77		3969.99	7.50	6	5	5	292	5	94	69	2 mW Measure	3060 EXEMPT	2 mW Measure	672 EXEMPT	362 EXEMPT

Note 1: For distances < 5mm, a distance of 5mm is used to determine SAR exclusion and estimated SAR value.

Note 2: Output power is the worst of the maximum rated power (including tune-up or manufacturing tolerances) and ERP(E.I.R.P – 2.15 dB).

Note 3: The values listed in "SAR Exemption" are the output power thresholds for which SAR measurements are required.

The value is calculated by KDB 447498 D04 and must be less than the threshold for SAR exemption.

Note 4: Formulas round separation distance to nearest mm and power to nearest mW before calculating thresholds or exemption values.

Device Type	Band	Ant.	Device Edge for SAR Testing (Rear View)					
			Front	Rear	Left Edge	Right Edge	Top	Bottom
Notebook	WCDMA, LTE, NR		No	Yes	No	No	No	No
Tablet	WCDMA		No	Yes	Yes	No	Yes	No
	LTE, NR	Ant.0	No	Yes	Yes	No	Yes	No
		Ant.2	Yes	Yes	No	Yes	Yes	Yes

2.6 SAR Test Methods and Procedures

The tests documented in this report were performed in accordance with IEEE 1528-2013 and the following published KDB procedures:

- IEEE 1528-2013
- 447498 D04 General RF Exposure Guidance v01
- 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02
- 616217 D04 SAR for laptop and tablets v01r02
- 941225 D01 3G SAR Procedures v03r01
- 941225 D05 SAR for LTE Devices v02r05
- 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02
- October 2014 TCB Workshop Notes (Other LTE Considerations)
- November 2017 TCB Workshop Notes (Uplink CA SAR Test Guidance)
- April 2018 TCB Workshop Notes (LTE Carrier Aggregation)
- April 2019 TCB Workshop Notes (Tissue Simulating Liquids)
- November 2019 TCB Workshop Notes (SPLSR Hotspot Combination)
- November 2019 TCB Workshop Notes (Hall Effect and Gravity Sensor Guidance)
- April 2022 TCB Workshop Notes (5G NR FR1 Measurement Procedures)
- April 2022 TCB Workshop Notes (SPLSR)

3. #LTE Information

LTE Information				
Form Factor		Notebook PC		
Frequency Range of each LTE transmission band		LTE Band 2 (1 850.7 MHz ~ 1 909.3 MHz) LTE Band 4 (1 710.7 MHz ~ 1 754.3 MHz) LTE Band 5 (824.7 MHz ~ 848.3 MHz) LTE Band 12 (699.7 MHz ~ 715.3 MHz) LTE Band 14 (790.5 MHz ~ 795.5 MHz) LTE Band 66 (1 710.7 MHz ~ 1 779.3 MHz)		
Channel Bandwidths		LTE Band 2: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz LTE Band 4: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz LTE Band 5: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz LTE Band 14: 5 MHz, 10 MHz LTE Band 66: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz		
Channel Numbers and Frequencies(MHz)				
Band	Bandwidths	Low	Mid	High
LTE Band 2	1.4 MHz	1 850.7 (18 607)	1 880.0 (18 900)	1 909.3 (19 193)
	3 MHz	1 851.5 (18 615)	1 880.0 (18 900)	1 908.5 (19 185)
	5 MHz	1 852.5 (18 625)	1 880.0 (18 900)	1 907.5 (19 175)
	10 MHz	1 855.0 (18 650)	1 880.0 (18 900)	1 905.0 (19 150)
	15 MHz	1 857.5 (18 675)	1 880.0 (18 900)	1 902.5 (19 125)
	20 MHz	1 860.0 (18 700)	1 880.0 (18 900)	1 900.0 (19 100)
LTE Band 4	1.4 MHz	1 710.7 (19 957)	1 732.5 (20 175)	1 754.3 (20 393)
	3 MHz	1 711.5 (19 965)	1 732.5 (20 175)	1 753.5 (20 385)
	5 MHz	1 712.5 (19 975)	1 732.5 (20 175)	1 752.5 (20 375)
	10 MHz	1 715.0 (20 000)	1 732.5 (20 175)	1 750.0 (20 350)
	15 MHz	1 717.5 (20 025)	1 732.5 (20 175)	1 747.5 (20 325)
	20 MHz	1 720.0 (20 050)	1 732.5 (20 175)	1 745.0 (20 300)
LTE Band 5	1.4 MHz	824.7 (20 407)	836.5 (20 525)	848.3 (20 643)
	3 MHz	825.5 (20 415)	836.5 (20 525)	847.5 (20 635)
	5 MHz	826.5 (20 425)	836.5 (20 525)	846.5 (20 625)
	10 MHz	829.0 (20 450)	836.5 (20 525)	844.0 (20 600)
LTE Band 12	1.4 MHz	699.7 (23 017)	707.5 (23 095)	715.3 (23 173)
	3 MHz	700.5 (23 025)	707.5 (23 095)	714.5 (23 165)
	5 MHz	701.5 (23 035)	707.5 (23 095)	713.5 (23 155)
	10 MHz	704.0 (23 060)	707.5 (23 095)	711.0 (23 130)
LTE Band 14	5 MHz	790.5 (23 205)	793.0 (23 330)	795.5 (23 355)
	10 MHz	-	793.0 (23 330)	-

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Channel Numbers and Frequencies(MHz)		Low	Mid	High
Band	Bandwidths			
LTE Band 66	1.4 MHz	1 710.7 (131 979)	1 745.0 (132 322)	1 779.3 (132 665)
	3 MHz	1 711.5 (131 987)	1 745.0 (132 322)	1 778.5 (132 657)
	5 MHz	1 712.5 (131 997)	1 745.0 (132 322)	1 777.5 (132 647)
	10 MHz	1 715.0 (132 022)	1 745.0 (132 322)	1 775.0 (132 622)
	15 MHz	1 717.5 (132 047)	1 745.0 (132 322)	1 772.5 (132 597)
	20 MHz	1 720.0 (132 072)	1 745.0 (132 322)	1 770.0 (132 572)
UE Category		DL: 19 / UL: 18		
Modulations Supported in UL		QPSK, 16QAM, 64QAM, 256QAM		
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3 ~ 6.2.5?(manufacturer attestation to be provided)		YES		
A-MPR(Additional MPR) disabled for SAR Testing?		YES		
LTE Carrier Aggregation Possible Combinations		This device supports LTE UL/DL CA.		
LTE Additional Information		This device does not support full CA features on 3GPP Release 15. It supports carrier aggregation as shown in Appendix C. Uplink communications are done on the PCC. The following LTE Release 15 Features are not supported: Relay, HetNet, Enhanced MIMO, eICIC, WIFI Offloading, MDH, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA.		

LTE UL Intra CA Configuration

No	CA Configuration	UL CA Band / Antenna			
		PCC		SCC	
		Band	Antenna	Band	Antenna
1	CA_2C	B2	Ant.0	B2	Ant.0
2	CA_5B	B5	Ant.0	B5	Ant.0
3	CA_66B	B66	Ant.0	B66	Ant.0
4	CA_66C	B66	Ant.0	B66	Ant.0

LTE UL Inter CA Configuration

No	CA Configuration	UL CA Band / Antenna			
		PCC		SCC	
		Band	Antenna	Band	Antenna
1	CA_2A-4A	B2	Ant.0	B4	Ant.2
2	CA_2A-4A	B4	Ant.2	B2	Ant.0
3	CA_2A-5A	B5	Ant.0	B2	Ant.2
4	CA_2A-12A	B12	Ant.0	B2	Ant.2
5	CA_2A-66A	B2	Ant.0	B66	Ant.2
6	CA_2A-66A	B66	Ant.2	B2	Ant.0
7	CA_4A-12A	B12	Ant.0	B4	Ant.2
8	CA_4A-5A	B5	Ant.0	B4	Ant.2
9	CA_5A-66A	B5	Ant.0	B66	Ant.2
10	CA_12A-66A	B12	Ant.0	B66	Ant.2

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4. #5G NR Information

5G NR Information							
Form Factor		Notebook PC					
Frequency Range of each 5G NR transmission band		5G NR n2: 1852.5 MHz~ 1907.5 MHz 5G NR n5: 826.5 MHz~ 846.5 MHz 5G NR n66: 1712.5 MHz~ 1775.0 MHz 5G NR n77 DoD: 3460.02 MHz~ 3540.00 MHz 5G NR n77: 3710.01 MHz~ 3969.99 MHz					
Mode	Band	Duplex	SCS(KHz)		Bandwidths(BW)		
NSA	n2	FDD	15		5, 10, 15, 20		
	n5	FDD	15		5, 10, 15, 20		
	n66	FDD	15		5, 10, 15, 20, 30		
	n77	TDD	30		20, 30, 40, 60, 80, 100		
Channel Numbers and Frequencies(MHz)		Low		Mid		High	
Band	Bandwidths						
NR Band n2	5 MHz	1 852.5 (370 500)		1 880.0 (376 000)		1 907.5 (381 500)	
	10 MHz	1 855.0 (371 000)		1 880.0 (376 000)		1 905.0 (381 000)	
	15 MHz	1 857.5 (371 500)		1 880.0 (376 000)		1 902.5 (380 500)	
	20 MHz	1 860.0 (372 000)		1 880.0 (376 000)		1 900.0 (380 000)	
NR Band n5	5 MHz	826.5 (165 300)		836.5 (167 300)		846.5 (169 300)	
	10 MHz	829.0 (165 800)		836.5 (167 300)		844.0 (168 800)	
	15 MHz	831.5 (166 300)		836.5 (167 300)		841.5 (168 300)	
	20 MHz	834.0 (166 800)		836.5 (167 300)		839.0 (167 800)	
NR Band n66	5 MHz	1 712.5 (342 500)		1 745.0 (349 000)		1 775.0 (355 000)	
	10 MHz	1 715.0 (343 000)		1 745.0 (349 000)		1 775.0 (355 000)	
	15 MHz	1 717.5 (343 500)		1 745.0 (349 000)		1 772.5 (354 500)	
	20 MHz	1 720.0 (344 000)		1 745.0 (349 000)		1 770.0 (354 000)	
	30 MHz	1 725.0 (345 000)		1 745.0 (349 000)		1 765.0 (353 000)	
NR Band n77 DoD	20 MHz	3 460.02 (630 668)		3 500.01 (633 334)		3 540.00 (636 000)	
	30 MHz	3 465.00 (631 000)		3 500.01 (633 334)		3 534.99 (635 666)	
	40 MHz	3 470.01 (631 334)		-		3 529.98 (635 332)	
	60 MHz	-		3500.01 (633 334)		-	
	80 MHz	-		3500.01 (633 334)		-	
	100 MHz	-		3500.01 (633 334)		-	
NR Band n77	20 MHz	3 710.01 (647 334)	3 762.00 (650 800)	3 813.99 (654 266)	3 866.01 (657 734)	3 918.00 (661 200)	3 969.99 (664 666)
	30 MHz	3 715.02 (647 668)	3 765.00 (651 000)	3 815.01 (654 334)	3 864.99 (657 666)	3 915.00 (661 000)	3 964.98 (664 332)
	40 MHz	3 720 (648 000)	3 768 (651 200)	3 816 (654 400)	3 864 (657 600)	3 912 (660 800)	3 960 (664 000)
	60 MHz	3 730.02 (648 668)	3 803.34 (653 556)	-		3 876.66 (658 444)	3 949.98 (663 332)
	80 MHz	3 740.01 (649 334)		3 840.00 (656 000)		3 939.99 (662 666)	
	100 MHz	3 750.00 (650 000)		-		3 930.00 (662 000)	

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5G NR Information	
NR Band n5/n66 SCS	15 KHz(n2/n5/n66), 30 KHz(n77)
3GPP Rel.	Rel.15
5G NR UL/DL FR1	DFT-s-OFDM: $\pi/2$ -BPSK(UL Only), QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
Non Standalone & Standalone are supported.	NSA (EN-DC) only supported.
A-MPR(Additional MPR) disabled for SAR Testing?	YES
EN-DC Carrier Aggregation Possible Combinations	
LTE Anchor Bands for NR Band n2(Ant.0)	LTE Band 4/66(Ant.2)
LTE Anchor Bands for NR Band n2(Ant.2)	LTE Band 5/12/14(Ant.0)
LTE Anchor Bands for NR Band n5(Ant.0)	LTE Band 2/66(Ant.2)
LTE Anchor Bands for NR Band n66(Ant.0)	LTE Band 2(Ant.2)
LTE Anchor Bands for NR Band n66(Ant.2)	LTE Band 5/12/14(Ant.0)
LTE Anchor Bands for NR Band n77(Ant.2)	LTE Band 2/5/12/14/66(Ant.0)



5. Specific Absorption Rate

5.1 Introduction

The SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational / controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

5.2 SAR Definition

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

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

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

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

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

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

$$SAR = \left(\frac{\sigma |E|^2}{\rho} \right)$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength. However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

6. SAR Measurement Procedures

6.1 SAR Scan Procedures

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The Minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. The minimum distance of probe sensors to surface is 1.4 mm. This distance cannot be smaller than the Distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scan & Zoom Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot and Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly. Area Scan & Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 mm ± 1 mm	$\frac{1}{2} \delta \cdot \ln(2)$ mm 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5 · $\Delta z_{Zoom}(n-1)$ mm	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.				
* When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

Step 3: Power drift measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

7. SAR Measurement Configurations

7.1 Body-supported device

A typical example of a body supported device is a wireless enabled laptop device that among other orientations may be supported on the thighs of a sitting user. To represent this orientation, the device shall be positioned with its base against the flat phantom. Other orientations may be specified by the manufacturer in the user instructions. If the intended use is not specified, the device shall be tested directly against the flat phantom in all usable orientations.

The screen portion of the device shall be in an open position at a 90° angle as seen in Figure 1 (left side), or at an operating angle specified for intended use by the manufacturer in the operating instructions. Where a body supported device has an integral screen required for normal operation, then the screen-side will not need to be tested if the antenna(s) integrated in it ordinarily remain(s) 200 mm from the body. Where a screen mounted antenna is present, the measurement shall be performed with the screen against the flat phantom as shown in Figure 1 (right side), if operating the screen against the body is consistent with the intended use.

Other devices that fall into this category include table type portable computers and credit card transaction authorisation terminals, point-of sale and/or inventory terminals. Where these devices may be torso or limb-supported, the same principles for body-supported devices are applied.

The example in Figure 2) shows a tablet form factor portable computer for which SAR should be separately assessed with

- d) each surface and
- e) the separation distances

positional against the flat phantom that correspond to the intended use as specified by the manufacturer. If the intended use is not specified in the user instructions, the device shall be tested directly the flat phantom in all usable orientations.



Figure 1. Notebook

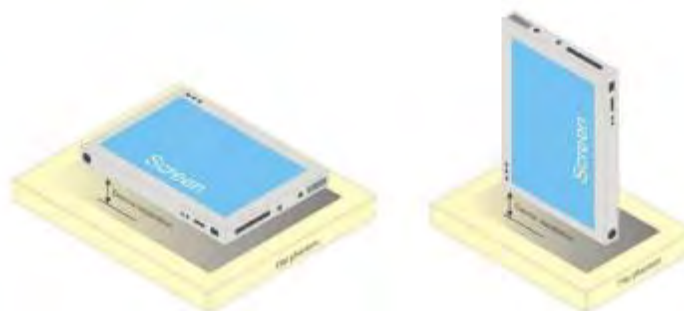


Figure 2. Tablet form factor portable computer

8. RF Exposure Limits

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.

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Partial Peak SAR ¹⁾ (Partial)	1.60 mW/g	8.00 mW/g
Partial Average SAR ²⁾ (Whole Body)	0.08 mW/g	0.40 mW/g
Partial Peak SAR ³⁾ (Hands/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

- 1) The spatial Peak value of the SAR averaged over any 1g gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
- 2) The spatial Average value of the SAR averaged over the whole body.
- 3) The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

9. FCC SAR General Measurement Procedures

9.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D04v01, 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. Test highest reported SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

9.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03r01, certain transmission modes within a frequency band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is ≤ 0.25 dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is ≤ 1.2 W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

9.3 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

The device is placed into a simulated call using a base station simulator in a RF shielded chamber. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a “point SAR” at an arbitrary reference point at the start and end of the 1 gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

9.4 SAR Measurement Conditions for UMTS

9.4.1 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.

9.4.2 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.

9.4.3 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.

9.4.4 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.

9.4.5 SAR Measurements with Rel. 8 DC-HSDPA

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable

9.5 SAR Measurement Conditions for LTE

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

9.5.1 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.

9.5.2 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.

9.5.3 A-MPR

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

9.5.4 Required RB Size and RB offsets for SAR testing

According to FCC KDB 941225 D05v02r05

1. Per sec 4.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
 - a. The required channel and offset combination with the highest maximum output power is required for SAR.
 - b. 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.
 - c. 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
2. 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.
3. 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.
4. 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.

9.5.5 NR (Sub 6 GHz) Considerations

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS 138.521-1 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS138.521-1.

Modulation	MPR(dB)		
	Edge RB allocation	Outer RB allocation	Inner RB allocation
DFT-s-OFDM PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	$\leq 0.5^2$		0^2
DFT-s-OFDM QPSK	≤ 1		0
DFT-s-OFDM 16QAM	≤ 2		≤ 1
DFT-s-OFDM 64QAM	≤ 2.5		
DFT-s-OFDM 256QAM	≤ 4.5		
CP-OFDM QPSK	≤ 3		≤ 1.5
CP-OFDM 16QAM	≤ 3		≤ 2
CP-OFDM 64QAM	≤ 3.5		
CP-OFDM 256QAM	≤ 6.5		
NOTE 1:	Applicable for UE operating in TDD mode with PI/2 BPSK modulation and UE indicates support for UE capability powerBoosting-pi2BPSK and if the IE powerBoostPi2BPSK is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.		
NOTE 2:	Applicable for UE operating in FDD mode, or in TDD mode in bands other than 40, n41, n77, n78 and n79 and if The IE powerBoostPi2BPSK is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.		

The allowed A-MPR values specified below in Table 6.2.3.3.1-1 of 3GPP TS138.521-1 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network

Signaling Value of "NS_01"

Table 6.2.3.3.1-1: Additional maximum power reduction (A-MPR)

Network Signalling label	Requirements (subclause)	NR Band	Channel Bandwidth (MHz)	Resources Blocks(NRB)	A-MPR(dB)
NS_01		Table 5.2-1	5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100	Table 5.3.2-1	N/A

Uplink RB allocations were used to Table 6.1-1 of the 3GPP TS 138.521-1.



10. RF Average Conducted Output Power

10.1 Average Conducted Output Power(Notebook Mode)

10.1.1 WCDMA Average Conducted Output Power

Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		9 262	9 400	9 538	
		1 852.4 MHz	1 880.0 MHz	1 907.6 MHz	
WCDMA II	RMC	23.39	23.45	23.44	-
	HSDPA-Subtest 1	22.40	22.37	22.35	0
	HSDPA-Subtest 2	21.53	21.66	21.64	0
	HSDPA-Subtest 3	20.97	21.00	20.99	0.5
	HSDPA-Subtest 4	20.91	20.93	20.93	0.5
	HSUPA-Subtest 1	22.40	22.36	22.37	0
	HSUPA-Subtest 2	20.31	20.38	20.39	2
	HSUPA-Subtest 3	21.40	21.41	21.22	1
	HSUPA-Subtest 4	20.42	20.43	20.27	2
	HSUPA-Subtest 5	22.39	22.41	22.34	0
	DC-HSDPA-Subtest 1	22.43	22.41	22.38	0
	DC-HSDPA-Subtest 2	22.40	22.39	22.37	0
	DC-HSDPA-Subtest 3	21.89	21.89	21.82	0.5
	DC-HSDPA-Subtest 4	21.89	21.85	21.86	0.5

Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		1 312	1 412	1 513	
		1 712.4 MHz	1 732.4 MHz	1 752.6 MHz	
WCDMA IV	RMC	23.49	23.62	23.63	-
	HSDPA-Subtest 1	22.24	22.41	22.42	0
	HSDPA-Subtest 2	21.67	21.95	21.73	0
	HSDPA-Subtest 3	20.95	21.04	21.10	0.5
	HSDPA-Subtest 4	20.83	20.88	20.93	0.5
	HSUPA-Subtest 1	22.31	22.41	22.48	0
	HSUPA-Subtest 2	20.48	20.40	20.43	2
	HSUPA-Subtest 3	21.39	21.40	21.41	1
	HSUPA-Subtest 4	20.39	20.52	20.44	2
	HSUPA-Subtest 5	22.36	22.38	22.51	0
	DC-HSDPA-Subtest 1	22.40	22.51	22.51	0
	DC-HSDPA-Subtest 2	22.31	22.43	22.46	0
	DC-HSDPA-Subtest 3	21.87	21.96	21.96	0.5
	DC-HSDPA-Subtest 4	21.86	21.96	21.98	0.5

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR23-SPF0030-B Page (25) of (515)	 
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Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		4 132	4 183	4 233	
		826.4 MHz	836.6 MHz	846.6 MHz	
WCDMA V	RMC	23.58	23.55	23.63	-
	HSDPA-Subtest 1	22.53	22.50	22.60	0
	HSDPA-Subtest 2	21.94	21.95	22.02	0
	HSDPA-Subtest 3	21.16	21.13	21.24	0.5
	HSDPA-Subtest 4	21.12	21.10	21.20	0.5
	HSUPA-Subtest 1	22.61	22.62	22.68	0
	HSUPA-Subtest 2	20.59	20.71	20.65	2
	HSUPA-Subtest 3	21.66	21.70	21.66	1
	HSUPA-Subtest 4	20.65	20.64	20.66	2
	HSUPA-Subtest 5	22.61	22.65	22.65	0
	DC-HSDPA-Subtest 1	22.61	22.62	22.67	0
	DC-HSDPA-Subtest 2	22.61	22.58	22.66	0
	DC-HSDPA-Subtest 3	22.09	22.09	22.12	0.5
	DC-HSDPA-Subtest 4	22.10	22.10	22.21	0.5

10.1.2 LTE Average Conducted Output Power

10.1.2.1 LTE Band 2 (Ant.0)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 700	18 900	19 100	
				1 860.0 MHz	1 880.0 MHz	1 900.0 MHz	
20 MHz	QPSK	1	0	23.52	23.60	23.58	0
		1	49	23.79	23.68	23.76	0
		1	99	23.54	23.60	23.54	0
		50	0	22.53	22.57	22.52	1
		50	24	22.62	22.58	22.55	1
		50	50	22.59	22.56	22.53	1
		100	0	22.61	22.54	22.50	1
	16QAM	1	0	22.65	22.64	22.70	1
		1	49	22.87	22.57	22.81	1
		1	99	22.94	22.61	22.64	1
		50	0	21.54	21.57	21.58	2
		50	24	21.64	21.56	21.51	2
		50	50	21.58	21.63	21.54	2
		100	0	21.60	21.62	21.47	2
	64QAM	1	0	21.72	21.79	21.85	2
		1	49	21.84	21.86	21.88	2
		1	99	21.93	21.95	21.86	2
		50	0	20.59	20.70	20.61	3
		50	24	20.74	20.66	20.62	3
		50	50	20.71	20.79	20.65	3
		100	0	20.72	20.65	20.65	3
	256QAM	1	0	18.78	18.96	18.63	5
		1	49	18.80	18.82	18.54	5
		1	99	18.82	18.87	18.67	5
		50	0	18.61	18.61	18.60	5
		50	24	18.69	18.67	18.66	5
		50	50	18.71	18.75	18.66	5
		100	0	18.73	18.64	18.58	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 675	18 900	19 125	
				1 857.5 MHz	1 880.0 MHz	1 902.5 MHz	
15 MHz	QPSK	1	0	23.43	23.58	23.63	0
		1	36	23.58	23.57	23.55	0
		1	74	23.50	23.56	23.62	0
		36	0	22.47	22.52	22.48	1
		36	18	22.56	22.55	22.53	1
		36	37	22.52	22.59	22.51	1
		75	0	22.57	22.54	22.55	1
	16QAM	1	0	22.50	22.71	22.47	1
		1	36	22.64	22.95	22.82	1
		1	74	22.61	22.53	22.58	1
		36	0	21.55	21.58	21.49	2
		36	18	21.54	21.49	21.55	2
		36	37	21.60	21.61	21.51	2
		75	0	21.55	21.50	21.58	2
	64QAM	1	0	21.70	21.89	21.88	2
		1	36	21.71	21.92	21.94	2
		1	74	21.77	21.81	21.79	2
		36	0	20.60	20.54	20.57	3
		36	18	20.73	20.68	20.68	3
		36	37	20.70	20.69	20.68	3
		75	0	20.64	20.66	20.60	3
	256QAM	1	0	18.70	18.78	18.70	5
		1	36	18.88	18.68	18.87	5
		1	74	18.90	18.50	18.67	5
		36	0	18.61	18.65	18.60	5
		36	18	18.73	18.64	18.66	5
		36	37	18.67	18.75	18.57	5
		75	0	18.72	18.71	18.55	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 650	18 900	19 150	
				1 855.0 MHz	1 880.0 MHz	1 905.0 MHz	
10 MHz	QPSK	1	0	23.59	23.70	23.59	0
		1	25	23.66	23.67	23.62	0
		1	49	23.52	23.62	23.51	0
		25	0	22.58	22.67	22.65	1
		25	12	22.69	22.64	22.59	1
		25	25	22.60	22.66	22.55	1
		50	0	22.66	22.63	22.60	1
	16QAM	1	0	22.87	22.73	22.65	1
		1	25	22.82	22.82	22.64	1
		1	49	22.63	22.70	22.55	1
		25	0	21.65	21.65	21.65	2
		25	12	21.74	21.69	21.63	2
		25	25	21.67	21.63	21.59	2
		50	0	21.71	21.60	21.65	2
	64QAM	1	0	21.87	21.98	22.00	2
		1	25	21.92	21.89	21.86	2
		1	49	21.90	21.93	21.75	2
		25	0	20.64	20.74	20.81	3
		25	12	20.79	20.70	20.76	3
		25	25	20.75	20.80	20.68	3
		50	0	20.76	20.73	20.65	3
	256QAM	1	0	18.78	18.69	18.95	5
		1	25	18.92	18.85	18.79	5
		1	49	18.82	18.89	18.88	5
		25	0	18.81	18.73	18.80	5
		25	12	18.79	18.81	18.70	5
		25	25	18.81	18.73	18.68	5
		50	0	18.83	18.78	18.73	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 625	18 900	19 175	
				1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	QPSK	1	0	23.72	23.62	23.52	0
		1	12	23.70	23.67	23.67	0
		1	24	23.67	23.69	23.47	0
		12	0	22.73	22.70	22.51	1
		12	7	22.72	22.72	22.59	1
		12	13	22.61	22.65	22.51	1
		25	0	22.63	22.61	22.45	1
	16QAM	1	0	22.70	22.82	22.81	1
		1	12	22.85	22.88	22.90	1
		1	24	22.83	22.77	22.63	1
		12	0	21.69	21.70	21.45	2
		12	7	21.68	21.73	21.51	2
		12	13	21.61	21.67	21.42	2
		25	0	21.68	21.61	21.47	2
	64QAM	1	0	21.69	21.76	21.82	2
		1	12	21.89	21.94	21.99	2
		1	24	21.80	21.98	21.80	2
		12	0	20.81	20.81	20.65	3
		12	7	20.79	20.77	20.77	3
		12	13	20.77	20.79	20.67	3
		25	0	20.78	20.70	20.60	3
	256QAM	1	0	18.58	18.87	18.69	5
		1	12	18.75	18.90	18.96	5
		1	24	18.81	18.75	18.79	5
		12	0	18.87	18.82	18.68	5
		12	7	18.80	18.82	18.80	5
		12	13	18.81	18.72	18.69	5
		25	0	18.85	18.68	18.63	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 615	18 900	19 185	
				1 851.5 MHz	1 880.0 MHz	1 908.5 MHz	
3 MHz	QPSK	1	0	23.66	23.70	23.59	0
		1	8	23.67	23.65	23.53	0
		1	14	23.48	23.52	23.43	0
		8	0	22.72	22.65	22.61	1
		8	4	22.70	22.67	22.55	1
		8	7	22.64	22.62	22.55	1
		15	0	22.63	22.59	22.54	1
	16QAM	1	0	22.81	22.81	22.80	1
		1	8	22.72	22.93	22.71	1
		1	14	22.67	22.74	22.70	1
		8	0	21.67	21.70	21.62	2
		8	4	21.66	21.79	21.63	2
		8	7	21.60	21.69	21.54	2
		15	0	21.64	21.59	21.59	2
	64QAM	1	0	21.95	21.83	21.86	2
		1	8	21.92	21.88	21.89	2
		1	14	21.82	21.68	21.40	2
		8	0	20.82	20.82	20.74	3
		8	4	20.80	20.85	20.71	3
		8	7	20.74	20.75	20.56	3
		15	0	20.75	20.65	20.75	3
	256QAM	1	0	18.82	18.84	18.87	5
		1	8	18.84	19.00	18.71	5
		1	14	18.82	18.57	18.74	5
		8	0	18.90	18.72	18.76	5
		8	4	18.88	18.84	18.67	5
		8	7	18.70	18.76	18.64	5
		15	0	18.77	18.68	18.66	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 607	18 900	19 193	
				1 850.7 MHz	1 880.0 MHz	1 909.3 MHz	
1.4 MHz	QPSK	1	0	23.57	23.63	23.51	0
		1	3	23.58	23.56	23.48	0
		1	5	23.48	23.45	23.42	0
		3	0	23.56	23.68	23.54	0
		3	1	23.56	23.60	23.53	0
		3	3	23.55	23.56	23.49	0
		6	0	22.57	22.60	22.53	1
	16QAM	1	0	22.85	22.75	22.65	1
		1	3	22.92	22.72	22.76	1
		1	5	22.75	22.65	22.51	1
		3	0	22.75	22.74	22.54	1
		3	1	22.69	22.64	22.62	1
		3	3	22.67	22.65	22.52	1
		6	0	21.57	21.59	21.49	2
	64QAM	1	0	21.87	21.79	21.88	2
		1	3	21.94	21.89	21.94	2
		1	5	21.83	21.76	21.76	2
		3	0	21.80	21.88	21.66	2
		3	1	21.91	21.86	21.74	2
		3	3	21.88	21.79	21.73	2
		6	0	20.73	20.72	20.65	3
	256QAM	1	0	18.76	18.82	18.78	5
		1	3	18.87	18.80	18.69	5
		1	5	18.74	18.77	18.61	5
		3	0	18.83	18.82	18.69	5
		3	1	18.82	18.84	18.74	5
		3	3	18.83	18.77	18.76	5
		6	0	18.83	18.79	18.63	5

10.1.2.2 LTE Band 2 (Ant.2)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 700	18 900	19 100	
				1 860.0 MHz	1 880.0 MHz	1 900.0 MHz	
20 MHz	QPSK	1	0	22.80	22.79	22.76	0
		1	49	22.81	22.84	22.68	0
		1	99	22.72	22.67	22.70	0
		50	0	21.83	21.79	21.65	1
		50	24	21.76	21.48	21.69	1
		50	50	21.81	21.85	21.72	1
		100	0	21.73	21.84	21.76	1
	16QAM	1	0	21.97	21.78	21.88	1
		1	49	21.95	21.68	21.93	1
		1	99	21.76	21.96	21.89	1
		50	0	20.85	20.86	20.83	2
		50	24	20.72	20.55	20.74	2
		50	50	20.74	20.98	20.75	2
		100	0	20.76	20.94	20.78	2
	64QAM	1	0	20.60	20.78	20.64	2
		1	49	20.89	20.66	20.88	2
		1	99	20.83	20.87	20.74	2
		50	0	19.83	19.65	19.73	3
		50	24	19.80	19.75	19.69	3
		50	50	19.78	19.60	19.68	3
		100	0	19.83	19.70	19.70	3
	256QAM	1	0	17.94	17.83	17.68	5
		1	49	17.60	17.79	17.55	5
		1	99	17.72	17.74	17.75	5
		50	0	17.85	17.75	17.63	5
		50	24	17.79	17.68	17.59	5
		50	50	17.76	17.64	17.70	5
		100	0	17.70	17.72	17.77	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 675	18 900	19 125	
				1 857.5 MHz	1 880.0 MHz	1 902.5 MHz	
15 MHz	QPSK	1	0	22.76	22.78	22.78	0
		1	36	22.46	22.55	22.45	0
		1	74	22.59	22.52	22.61	0
		36	0	21.71	21.66	21.47	1
		36	18	21.94	21.68	21.95	1
		36	37	21.51	21.56	21.50	1
		75	0	21.57	21.59	21.56	1
	16QAM	1	0	21.98	21.81	21.89	1
		1	36	22.17	21.87	22.18	1
		1	74	21.54	21.66	21.69	1
		36	0	20.66	20.67	20.62	2
		36	18	20.89	20.80	20.99	2
		36	37	20.54	20.72	20.49	2
		75	0	20.70	20.78	20.59	2
	64QAM	1	0	20.64	20.91	20.78	2
		1	36	21.11	20.92	21.24	2
		1	74	20.93	20.96	20.92	2
		36	0	19.84	19.70	19.88	3
		36	18	19.90	19.78	19.82	3
		36	37	19.81	19.69	19.82	3
		75	0	20.00	19.78	19.88	3
	256QAM	1	0	17.86	17.82	17.65	5
		1	36	17.52	17.78	17.48	5
		1	74	17.77	17.71	17.67	5
		36	0	17.90	17.72	17.54	5
		36	18	17.77	17.62	17.55	5
		36	37	17.98	17.77	17.76	5
		75	0	17.77	17.70	17.80	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 650	18 900	19 150	
				1 855.0 MHz	1 880.0 MHz	1 905.0 MHz	
10 MHz	QPSK	1	0	22.80	22.87	22.89	0
		1	25	22.83	22.85	22.65	0
		1	49	22.78	22.76	22.77	0
		25	0	21.93	21.96	21.80	1
		25	12	22.07	21.89	22.01	1
		25	25	21.70	21.78	21.75	1
		50	0	21.82	21.92	21.75	1
	16QAM	1	0	22.41	22.48	22.34	1
		1	25	22.30	22.34	22.37	1
		1	49	21.86	22.10	21.94	1
		25	0	20.91	20.96	20.85	2
		25	12	21.11	21.04	21.30	2
		25	25	20.68	20.84	20.66	2
		50	0	20.90	21.01	20.86	2
	64QAM	1	0	21.05	21.24	21.04	2
		1	25	21.17	21.04	21.20	2
		1	49	21.09	21.06	20.84	2
		25	0	20.28	20.06	20.09	3
		25	12	20.12	20.04	19.90	3
		25	25	20.10	19.85	19.98	3
		50	0	20.07	20.04	20.03	3
	256QAM	1	0	18.09	17.98	17.90	5
		1	25	17.87	18.00	17.68	5
		1	49	17.88	17.92	17.94	5
		25	0	18.13	17.95	17.79	5
		25	12	18.09	17.98	17.83	5
		25	25	17.97	17.94	18.05	5
		50	0	17.97	17.93	17.94	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 625	18 900	19 175	
				1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	QPSK	1	0	22.98	22.95	22.69	0
		1	12	22.91	22.97	22.88	0
		1	24	22.73	22.78	22.85	0
		12	0	21.91	21.96	21.89	1
		12	7	22.23	21.88	22.14	1
		12	13	21.82	21.95	21.73	1
		25	0	21.90	21.94	21.77	1
	16QAM	1	0	22.19	22.05	22.18	1
		1	12	22.21	22.23	22.27	1
		1	24	21.94	22.11	22.08	1
		12	0	21.12	21.10	21.07	2
		12	7	21.03	20.89	21.17	2
		12	13	20.81	21.05	20.81	2
		25	0	20.81	20.95	20.79	2
	64QAM	1	0	20.74	21.00	20.93	2
		1	12	21.31	21.09	21.33	2
		1	24	21.00	20.99	20.96	2
		12	0	20.16	19.96	20.04	3
		12	7	20.04	19.99	20.02	3
		12	13	20.25	20.04	20.21	3
		25	0	20.06	19.87	19.87	3
	256QAM	1	0	18.28	18.07	17.91	5
		1	12	17.82	17.99	17.68	5
		1	24	17.86	17.79	17.71	5
		12	0	18.18	18.00	17.95	5
		12	7	17.99	17.94	17.92	5
		12	13	17.97	17.89	17.96	5
		25	0	17.99	17.98	18.06	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 615	18 900	19 185	
				1 851.5 MHz	1 880.0 MHz	1 908.5 MHz	
3 MHz	QPSK	1	0	22.93	22.85	22.86	0
		1	8	22.76	22.83	22.69	0
		1	14	22.83	22.71	22.76	0
		8	0	21.92	21.97	21.86	1
		8	4	22.17	21.88	22.19	1
		8	7	21.83	21.91	21.82	1
		15	0	21.90	21.91	21.87	1
	16QAM	1	0	22.22	22.13	22.30	1
		1	8	21.96	22.19	22.11	1
		1	14	21.83	22.06	21.96	1
		8	0	20.90	20.89	20.91	2
		8	4	21.21	20.99	21.12	2
		8	7	20.61	20.94	20.81	2
		15	0	20.82	20.90	20.65	2
	64QAM	1	0	20.67	20.95	20.74	2
		1	8	21.32	21.02	21.19	2
		1	14	21.14	21.08	21.03	2
		8	0	20.23	19.99	20.09	3
		8	4	20.00	19.98	19.94	3
		8	7	20.13	19.90	20.00	3
		15	0	19.99	19.94	19.88	3
	256QAM	1	0	17.96	17.94	17.88	5
		1	8	17.57	17.84	17.57	5
		1	14	17.83	17.81	17.80	5
		8	0	18.05	18.00	17.87	5
		8	4	17.88	17.85	17.78	5
		8	7	17.93	17.83	17.82	5
		15	0	17.96	17.90	18.02	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 607	18 900	19 193	
				1 850.7 MHz	1 880.0 MHz	1 909.3 MHz	
1.4 MHz	QPSK	1	0	22.60	22.66	22.68	0
		1	3	22.77	22.84	22.72	0
		1	5	22.74	22.70	22.78	0
		3	0	22.82	22.68	22.49	0
		3	1	22.91	22.85	22.96	0
		3	3	22.54	22.68	22.54	0
		6	0	21.67	21.77	21.59	1
	16QAM	1	0	22.16	22.04	22.14	1
		1	3	22.15	21.96	22.18	1
		1	5	21.89	22.04	21.99	1
		3	0	21.90	21.89	21.78	1
		3	1	22.15	21.91	22.15	1
		3	3	21.56	21.72	21.52	1
		6	0	20.64	20.83	20.63	2
	64QAM	1	0	20.73	20.88	20.83	2
		1	3	21.15	20.90	21.17	2
		1	5	20.69	20.78	20.64	2
		3	0	21.05	20.82	20.83	2
		3	1	20.95	20.86	20.71	2
		3	3	21.05	20.78	20.76	2
		6	0	19.91	19.74	19.67	3
	256QAM	1	0	18.15	17.96	17.91	5
		1	3	17.79	17.97	17.80	5
		1	5	17.57	17.52	17.43	5
		3	0	18.09	17.97	17.75	5
		3	1	18.03	17.95	17.83	5
		3	3	17.91	17.78	17.85	5
		6	0	17.85	17.85	17.98	5

10.1.2.3 LTE Band 5

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				20 525	
				836.5 MHz	
10 MHz	QPSK	1	0	23.64	0
		1	25	23.86	0
		1	49	23.73	0
		25	0	22.73	1
		25	12	22.77	1
		25	25	22.86	1
		50	0	22.81	1
	16QAM	1	0	22.85	1
		1	25	22.92	1
		1	49	22.97	1
		25	0	21.73	2
		25	12	21.80	2
		25	25	21.88	2
		50	0	21.79	2
	64QAM	1	0	21.81	2
		1	25	21.93	2
		1	49	21.88	2
		25	0	20.68	3
		25	12	20.71	3
		25	25	20.83	3
		50	0	20.63	3
	256QAM	1	0	18.69	5
		1	25	18.85	5
		1	49	18.93	5
		25	0	18.68	5
		25	12	18.73	5
		25	25	18.80	5
		50	0	18.72	5

10 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 425	20 525	20 625	
				826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	QPSK	1	0	23.88	23.72	23.69	0
		1	12	23.75	23.81	23.74	0
		1	24	23.74	23.84	23.64	0
		12	0	22.71	22.74	22.65	1
		12	7	22.80	22.85	22.65	1
		12	13	22.75	22.85	22.70	1
		25	0	22.76	22.72	22.66	1
	16QAM	1	0	22.94	22.96	22.97	1
		1	12	22.97	22.77	22.90	1
		1	24	22.67	22.99	22.97	1
		12	0	21.74	21.75	21.72	2
		12	7	21.79	21.87	21.73	2
		12	13	21.77	21.86	21.77	2
		25	0	21.76	21.79	21.64	2
	64QAM	1	0	21.92	21.87	21.70	2
		1	12	21.89	21.94	21.86	2
		1	24	21.95	21.95	21.78	2
		12	0	20.77	20.62	20.65	3
		12	7	20.79	20.81	20.64	3
		12	13	20.73	20.84	20.63	3
		25	0	20.80	20.69	20.62	3
	256QAM	1	0	18.90	18.68	18.87	5
		1	12	18.79	18.82	18.85	5
		1	24	18.82	18.91	18.62	5
		12	0	18.78	18.74	18.73	5
		12	7	18.78	18.88	18.60	5
		12	13	18.76	18.82	18.71	5
		25	0	18.83	18.70	18.55	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 415	20 525	20 635	
				825.5 MHz	836.5 MHz	847.5 MHz	
3 MHz	QPSK	1	0	23.77	23.71	23.60	0
		1	8	23.79	23.78	23.68	0
		1	14	23.67	23.77	23.65	0
		8	0	22.81	22.69	22.60	1
		8	4	22.79	22.80	22.69	1
		8	7	22.75	22.81	22.64	1
		15	0	22.74	22.69	22.71	1
	16QAM	1	0	22.91	22.81	22.82	1
		1	8	22.98	22.96	22.99	1
		1	14	22.76	22.97	22.96	1
		8	0	21.72	21.76	21.59	2
		8	4	21.73	21.88	21.75	2
		8	7	21.72	21.85	21.73	2
		15	0	21.78	21.73	21.73	2
	64QAM	1	0	21.97	22.00	21.96	2
		1	8	21.77	21.90	21.92	2
		1	14	21.73	21.79	21.83	2
		8	0	20.78	20.70	20.65	3
		8	4	20.86	20.80	20.70	3
		8	7	20.73	20.82	20.75	3
		15	0	20.73	20.75	20.65	3
	256QAM	1	0	18.85	18.70	18.67	5
		1	8	18.96	18.89	18.77	5
		1	14	18.72	18.83	18.73	5
		8	0	18.86	18.76	18.58	5
		8	4	18.83	18.80	18.67	5
		8	7	18.73	18.77	18.57	5
		15	0	18.82	18.59	18.60	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 407	20 525	20 643	
				824.7 MHz	836.5 MHz	848.3 MHz	
1.4 MHz	QPSK	1	0	23.65	23.75	23.66	0
		1	3	23.72	23.76	23.69	0
		1	5	23.65	23.82	23.63	0
		3	0	23.70	23.72	23.66	0
		3	1	23.72	23.75	23.66	0
		3	3	23.67	23.77	23.63	0
		6	0	22.73	22.69	22.60	1
	16QAM	1	0	23.00	22.96	22.76	1
		1	3	22.85	22.95	22.83	1
		1	5	22.82	23.00	22.98	1
		3	0	22.78	22.81	22.69	1
		3	1	22.84	22.78	22.73	1
		3	3	22.80	22.88	22.82	1
		6	0	21.73	21.84	21.61	2
	64QAM	1	0	21.88	21.84	21.69	2
		1	3	21.86	21.78	21.95	2
		1	5	21.90	21.80	21.93	2
		3	0	21.93	21.84	21.69	2
		3	1	21.89	21.75	21.64	2
		3	3	21.77	21.89	21.85	2
		6	0	20.67	20.65	20.65	3
	256QAM	1	0	18.82	18.86	18.63	5
		1	3	18.85	18.84	18.67	5
		1	5	18.74	18.87	18.65	5
		3	0	18.85	18.71	18.60	5
		3	1	18.84	18.72	18.63	5
		3	3	18.77	18.70	18.68	5
		6	0	18.77	18.68	18.60	5

10.1.2.4 LTE Band 12

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 095	
				707.5 MHz	
10 MHz	QPSK	1	0	23.87	0
		1	25	23.78	0
		1	49	23.65	0
		25	0	22.72	1
		25	12	22.71	1
		25	25	22.78	1
		50	0	22.75	1
	16QAM	1	0	22.82	1
		1	25	22.93	1
		1	49	22.81	1
		25	0	21.69	2
		25	12	21.76	2
		25	25	21.75	2
		50	0	21.73	2
	64QAM	1	0	21.97	2
		1	25	21.94	2
		1	49	21.87	2
		25	0	20.66	3
		25	12	20.77	3
		25	25	20.74	3
		50	0	20.60	3
	256QAM	1	0	18.70	5
		1	25	18.81	5
		1	49	18.84	5
		25	0	18.69	5
		25	12	18.67	5
		25	25	18.74	5
		50	0	18.75	5

10 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 035	23 095	23 155	
				701.5 MHz	707.5 MHz	713.5 MHz	
5 MHz	QPSK	1	0	23.87	23.62	23.78	0
		1	12	23.88	23.79	23.80	0
		1	24	23.73	23.63	23.67	0
		12	0	22.66	22.68	22.70	1
		12	7	22.78	22.77	22.78	1
		12	13	22.70	22.69	22.70	1
		25	0	22.75	22.70	22.74	1
	16QAM	1	0	22.73	22.76	22.89	1
		1	12	23.00	22.91	22.86	1
		1	24	22.87	22.87	22.80	1
		12	0	21.68	21.76	21.67	2
		12	7	21.76	21.83	21.73	2
		12	13	21.72	21.79	21.69	2
		25	0	21.76	21.72	21.72	2
	64QAM	1	0	21.82	21.66	21.71	2
		1	12	21.91	21.78	21.88	2
		1	24	21.66	21.93	21.74	2
		12	0	20.62	20.61	20.64	3
		12	7	20.78	20.81	20.74	3
		12	13	20.74	20.70	20.67	3
		25	0	20.79	20.63	20.70	3
	256QAM	1	0	18.81	18.79	18.83	5
		1	12	18.86	18.82	18.86	5
		1	24	18.81	18.64	18.76	5
		12	0	18.71	18.74	18.69	5
		12	7	18.72	18.73	18.84	5
		12	13	18.73	18.64	18.61	5
		25	0	18.74	18.61	18.66	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 025	23 095	23 165	
				700.5 MHz	707.5 MHz	714.5 MHz	
3 MHz	QPSK	1	0	23.71	23.73	23.69	0
		1	8	23.75	23.75	23.79	0
		1	14	23.67	23.66	23.66	0
		8	0	22.79	22.67	22.68	1
		8	4	22.74	22.78	22.77	1
		8	7	22.75	22.71	22.73	1
		15	0	22.73	22.65	22.68	1
	16QAM	1	0	22.90	22.83	22.86	1
		1	8	22.82	22.94	22.97	1
		1	14	22.82	22.82	22.92	1
		8	0	21.76	21.73	21.74	2
		8	4	21.80	21.82	21.85	2
		8	7	21.69	21.74	21.84	2
		15	0	21.76	21.67	21.70	2
	64QAM	1	0	21.73	21.68	21.59	2
		1	8	21.93	21.84	21.68	2
		1	14	21.95	21.89	21.73	2
		8	0	20.72	20.67	20.67	3
		8	4	20.71	20.74	20.72	3
		8	7	20.67	20.75	20.60	3
		15	0	20.73	20.68	20.72	3
	256QAM	1	0	18.85	18.64	18.78	5
		1	8	18.75	18.83	18.80	5
		1	14	18.61	18.71	18.58	5
		8	0	18.80	18.70	18.62	5
		8	4	18.66	18.71	18.74	5
		8	7	18.71	18.72	18.66	5
		15	0	18.63	18.61	18.57	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 017	23 095	23 173	
				699.7 MHz	707.5 MHz	715.3 MHz	
1.4 MHz	QPSK	1	0	23.73	23.81	23.80	0
		1	3	23.70	23.78	23.87	0
		1	5	23.67	23.73	23.63	0
		3	0	23.72	23.70	23.78	0
		3	1	23.75	23.68	23.72	0
		3	3	23.72	23.72	23.71	0
		6	0	22.71	22.71	22.70	1
	16QAM	1	0	22.92	22.90	22.91	1
		1	3	22.82	22.95	23.00	1
		1	5	22.73	22.92	22.74	1
		3	0	22.81	22.75	22.76	1
		3	1	22.78	22.79	22.73	1
		3	3	22.72	22.75	22.79	1
		6	0	21.82	21.82	21.72	2
	64QAM	1	0	21.89	21.77	22.00	2
		1	3	21.87	21.81	21.98	2
		1	5	21.90	21.83	21.76	2
		3	0	21.87	21.69	21.90	2
		3	1	21.74	21.68	21.76	2
		3	3	21.80	21.67	21.74	2
		6	0	20.74	20.71	20.74	3
	256QAM	1	0	18.96	18.57	18.68	5
		1	3	18.75	18.67	18.90	5
		1	5	18.86	18.85	18.91	5
		3	0	18.81	18.69	18.81	5
		3	1	18.72	18.67	18.72	5
		3	3	18.74	18.80	18.67	5
		6	0	18.69	18.79	18.70	5

10.1.2.5 LTE Band 14

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 330	
				793.0 MHz	
10 MHz	QPSK	1	0	23.93	0
		1	25	23.87	0
		1	49	23.72	0
		25	0	22.81	1
		25	12	22.88	1
		25	25	22.78	1
		50	0	22.85	1
	16QAM	1	0	22.92	1
		1	25	22.87	1
		1	49	22.99	1
		25	0	21.86	2
		25	12	21.77	2
		25	25	21.80	2
		50	0	21.84	2
	64QAM	1	0	21.95	2
		1	25	21.98	2
		1	49	21.80	2
		25	0	20.96	3
		25	12	20.95	3
		25	25	20.96	3
		50	0	20.94	3
	256QAM	1	0	18.84	5
		1	25	18.99	5
		1	49	18.86	5
		25	0	18.92	5
		25	12	18.93	5
		25	25	18.81	5
		50	0	18.92	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 330	
				793.0 MHz	
5 MHz	QPSK	1	0	23.83	0
		1	12	23.84	0
		1	24	23.77	0
		12	0	22.84	1
		12	7	22.82	1
		12	13	22.77	1
		25	0	22.82	1
	16QAM	1	0	22.95	1
		1	12	22.89	1
		1	24	22.81	1
		12	0	21.84	2
		12	7	21.83	2
		12	13	21.74	2
		25	0	21.81	2
	64QAM	1	0	22.00	2
		1	12	21.95	2
		1	24	21.87	2
		12	0	20.99	3
		12	7	20.96	3
		12	13	20.88	3
		25	0	20.97	3
	256QAM	1	0	18.90	5
		1	12	18.99	5
		1	24	18.90	5
		12	0	19.00	5
		12	7	19.00	5
		12	13	18.87	5
		25	0	18.99	5

5 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

10.1.2.6 LTE Band 66 (Ant.0)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 072	132 322	132 572	
				1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	QPSK	1	0	23.63	23.60	23.64	0
		1	49	23.52	23.56	23.52	0
		1	99	23.40	23.43	23.60	0
		50	0	22.44	22.51	22.55	1
		50	24	22.52	22.50	22.52	1
		50	50	22.56	22.54	22.60	1
		100	0	22.53	22.51	22.55	1
	16QAM	1	0	22.69	22.59	22.65	1
		1	49	22.69	22.62	22.68	1
		1	99	22.75	22.69	22.94	1
		50	0	21.46	21.45	21.59	2
		50	24	21.50	21.46	21.57	2
		50	50	21.55	21.58	21.58	2
		100	0	21.52	21.45	21.53	2
	64QAM	1	0	21.91	21.66	21.80	2
		1	49	21.91	21.78	21.83	2
		1	99	21.88	21.85	21.76	2
		50	0	20.53	20.54	20.60	3
		50	24	20.64	20.56	20.66	3
		50	50	20.65	20.71	20.78	3
		100	0	20.64	20.56	20.57	3
	256QAM	1	0	18.58	18.54	18.79	5
		1	49	18.84	18.81	18.86	5
		1	99	18.95	18.78	18.92	5
		50	0	18.47	18.56	18.64	5
		50	24	18.63	18.62	18.68	5
		50	50	18.59	18.69	18.77	5
		100	0	18.59	18.67	18.67	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 047	132 322	132 597	
				1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	QPSK	1	0	23.32	23.62	23.59	0
		1	36	23.57	23.43	23.61	0
		1	74	23.42	23.51	23.81	0
		36	0	22.41	22.44	22.50	1
		36	18	22.51	22.47	22.53	1
		36	37	22.48	22.55	22.58	1
		75	0	22.49	22.44	22.50	1
	16QAM	1	0	22.64	22.67	22.60	1
		1	36	22.73	22.90	22.86	1
		1	74	22.58	22.79	22.76	1
		36	0	21.42	21.41	21.50	2
		36	18	21.51	21.51	21.52	2
		36	37	21.52	21.51	21.58	2
		75	0	21.47	21.47	21.52	2
	64QAM	1	0	21.67	21.91	21.93	2
		1	36	21.73	21.96	21.99	2
		1	74	21.69	21.73	21.91	2
		36	0	20.42	20.58	20.59	3
		36	18	20.67	20.63	20.67	3
		36	37	20.61	20.68	20.70	3
		75	0	20.60	20.54	20.65	3
	256QAM	1	0	18.59	18.64	18.55	5
		1	36	18.67	18.57	18.73	5
		1	74	18.95	18.84	18.64	5
		36	0	18.54	18.59	18.58	5
		36	18	18.66	18.56	18.64	5
		36	37	18.63	18.71	18.67	5
		75	0	18.55	18.61	18.64	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 022	132 322	132 622	
				1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	QPSK	1	0	23.54	23.59	23.62	0
		1	25	23.48	23.67	23.67	0
		1	49	23.46	23.57	23.59	0
		25	0	22.52	22.57	22.61	1
		25	12	22.58	22.59	22.64	1
		25	25	22.56	22.64	22.68	1
		50	0	22.60	22.51	22.70	1
	16QAM	1	0	22.57	22.81	22.65	1
		1	25	22.73	22.87	22.73	1
		1	49	22.68	22.60	22.61	1
		25	0	21.52	21.58	21.61	2
		25	12	21.62	21.60	21.63	2
		25	25	21.62	21.65	21.65	2
		50	0	21.57	21.54	21.67	2
	64QAM	1	0	21.93	21.90	21.40	2
		1	25	21.87	21.84	21.88	2
		1	49	21.82	21.81	21.98	2
		25	0	20.61	20.64	20.78	3
		25	12	20.72	20.63	20.72	3
		25	25	20.74	20.76	20.80	3
		50	0	20.67	20.71	20.84	3
	256QAM	1	0	18.80	18.67	18.89	5
		1	25	18.83	18.84	18.83	5
		1	49	18.72	18.68	18.88	5
		25	0	18.62	18.76	18.77	5
		25	12	18.75	18.67	18.79	5
		25	25	18.75	18.81	18.80	5
		50	0	18.69	18.70	18.80	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 997	132 322	132 647	
				1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	QPSK	1	0	23.50	23.50	23.66	0
		1	12	23.59	23.65	23.78	0
		1	24	23.54	23.63	23.66	0
		12	0	22.56	22.55	22.60	1
		12	7	22.59	22.61	22.67	1
		12	13	22.53	22.61	22.67	1
		25	0	22.56	22.55	22.64	1
	16QAM	1	0	22.60	22.86	22.80	1
		1	12	22.67	22.90	23.00	1
		1	24	22.79	22.70	22.76	1
		12	0	21.60	21.62	21.64	2
		12	7	21.61	21.69	21.71	2
		12	13	21.60	21.64	21.71	2
		25	0	21.57	21.55	21.68	2
	64QAM	1	0	21.93	21.87	21.86	2
		1	12	21.89	21.97	21.98	2
		1	24	21.92	21.76	21.73	2
		12	0	20.67	20.63	20.72	3
		12	7	20.72	20.79	20.80	3
		12	13	20.68	20.78	20.80	3
		25	0	20.70	20.65	20.78	3
	256QAM	1	0	18.63	18.84	18.88	5
		1	12	18.74	18.67	18.96	5
		1	24	18.98	18.62	18.84	5
		12	0	18.74	18.77	18.73	5
		12	7	18.72	18.85	18.78	5
		12	13	18.82	18.77	18.84	5
		25	0	18.73	18.66	18.82	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 987	132 322	132 657	
				1 711.5 MHz	1 745.0 MHz	1 778.5 MHz	
3 MHz	QPSK	1	0	23.49	23.57	23.56	0
		1	8	23.58	23.79	23.73	0
		1	14	23.44	23.56	23.57	0
		8	0	22.51	22.52	22.56	1
		8	4	22.59	22.61	22.60	1
		8	7	22.50	22.54	22.67	1
		15	0	22.49	22.47	22.57	1
	16QAM	1	0	22.52	22.77	22.67	1
		1	8	22.66	22.85	22.91	1
		1	14	22.56	22.76	22.70	1
		8	0	21.56	21.49	21.64	2
		8	4	21.63	21.64	21.70	2
		8	7	21.54	21.58	21.68	2
		15	0	21.53	21.55	21.63	2
	64QAM	1	0	21.69	21.90	21.95	2
		1	8	21.76	21.88	21.85	2
		1	14	21.58	21.91	21.91	2
		8	0	20.68	20.61	20.63	3
		8	4	20.72	20.72	20.76	3
		8	7	20.67	20.65	20.72	3
		15	0	20.67	20.60	20.60	3
	256QAM	1	0	18.78	18.75	18.56	5
		1	8	18.76	18.66	18.81	5
		1	14	18.70	18.86	18.79	5
		8	0	18.66	18.75	18.75	5
		8	4	18.76	18.82	18.72	5
		8	7	18.74	18.75	18.80	5
		15	0	18.75	18.67	18.77	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 979	132 322	132 665	
				1 710.7 MHz	1 745.0 MHz	1 779.3 MHz	
1.4 MHz	QPSK	1	0	23.43	23.54	23.51	0
		1	3	23.51	23.55	23.58	0
		1	5	23.41	23.54	23.63	0
		3	0	23.41	23.49	23.71	0
		3	1	23.51	23.55	23.60	0
		3	3	23.45	23.52	23.65	0
		6	0	22.42	22.57	22.62	1
	16QAM	1	0	22.55	22.72	22.78	1
		1	3	22.65	22.92	22.77	1
		1	5	22.73	22.69	22.68	1
		3	0	22.44	22.72	22.75	1
		3	1	22.60	22.57	22.69	1
		3	3	22.58	22.69	22.76	1
		6	0	21.47	21.57	21.61	2
	64QAM	1	0	21.82	21.87	21.80	2
		1	3	21.81	21.79	21.88	2
		1	5	21.64	21.77	21.78	2
		3	0	21.67	21.88	21.82	2
		3	1	21.69	21.91	21.90	2
		3	3	21.76	21.80	21.89	2
		6	0	20.72	20.82	20.73	3
	256QAM	1	0	18.69	18.71	18.83	5
		1	3	18.70	18.88	18.80	5
		1	5	18.63	18.77	18.69	5
		3	0	18.66	18.73	18.77	5
		3	1	18.69	18.82	18.80	5
		3	3	18.63	18.78	18.71	5
		6	0	18.57	18.67	18.72	5

10.1.2.7 LTE Band 66(Ant.2)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 072	132 322	132 572	
				1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	QPSK	1	0	22.49	22.66	22.75	0
		1	49	22.87	22.77	22.80	0
		1	99	22.63	22.90	22.62	0
		50	0	21.68	21.77	21.76	1
		50	24	21.65	21.97	21.87	1
		50	50	21.70	21.81	21.83	1
		100	0	21.67	21.89	21.88	1
	16QAM	1	0	21.73	21.99	21.76	1
		1	49	21.52	22.19	22.16	1
		1	99	21.78	22.15	21.77	1
		50	0	20.67	20.85	20.91	2
		50	24	20.64	20.85	20.99	2
		50	50	20.67	20.87	20.83	2
		100	0	20.68	20.78	20.87	2
	64QAM	1	0	20.58	20.85	20.90	2
		1	49	20.80	20.88	20.85	2
		1	99	20.75	20.87	20.91	2
		50	0	19.57	19.72	19.72	3
		50	24	19.61	19.69	19.68	3
		50	50	19.59	19.73	19.67	3
		100	0	19.48	19.66	19.74	3
	256QAM	1	0	17.58	17.79	17.87	5
		1	49	17.75	17.90	17.67	5
		1	99	17.52	17.79	17.83	5
		50	0	17.57	17.72	17.75	5
		50	24	17.58	17.71	17.80	5
		50	50	17.50	17.67	17.83	5
		100	0	17.52	17.64	17.85	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 047	132 322	132 597	
				1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	QPSK	1	0	22.48	22.74	22.88	0
		1	36	22.85	22.81	22.85	0
		1	74	22.61	22.78	22.48	0
		36	0	21.59	21.62	21.55	1
		36	18	21.35	21.71	21.54	1
		36	37	21.52	21.59	21.52	1
		75	0	21.39	21.62	21.70	1
	16QAM	1	0	21.68	21.96	21.81	1
		1	36	21.10	21.84	21.82	1
		1	74	21.48	21.83	21.50	1
		36	0	20.53	20.65	20.74	2
		36	18	20.57	20.72	20.88	2
		36	37	20.45	20.64	20.56	2
		75	0	20.54	20.69	20.85	2
	64QAM	1	0	20.76	20.94	20.90	2
		1	36	20.55	20.70	20.75	2
		1	74	20.57	20.72	20.72	2
		36	0	19.54	19.62	19.58	3
		36	18	19.58	19.71	19.75	3
		36	37	19.42	19.65	19.68	3
		75	0	19.60	19.71	19.82	3
	256QAM	1	0	17.58	17.82	17.91	5
		1	36	17.67	17.91	17.77	5
		1	74	17.47	17.70	17.78	5
		36	0	17.61	17.78	17.76	5
		36	18	17.50	17.70	17.83	5
		36	37	17.48	17.64	17.75	5
		75	0	17.63	17.75	18.05	5

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Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 022	132 322	132 622	
				1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	QPSK	1	0	22.75	22.91	22.99	0
		1	25	23.04	22.98	22.94	0
		1	49	22.48	22.79	22.52	0
		25	0	21.85	21.94	21.99	1
		25	12	21.70	22.03	22.01	1
		25	25	21.86	21.91	21.97	1
		50	0	21.78	21.90	21.86	1
	16QAM	1	0	21.72	21.92	21.83	1
		1	25	21.61	21.76	21.74	1
		1	49	21.76	22.04	21.64	1
		25	0	20.74	21.01	20.99	2
		25	12	20.87	21.00	21.04	2
		25	25	20.67	20.96	20.96	2
		50	0	20.88	21.02	21.09	2
	64QAM	1	0	20.62	20.94	20.97	2
		1	25	21.04	21.03	20.98	2
		1	49	20.89	20.95	20.94	2
		25	0	20.01	20.06	20.14	3
		25	12	19.84	20.02	19.93	3
		25	25	19.73	19.90	19.79	3
		50	0	19.76	20.02	20.01	3
	256QAM	1	0	17.71	17.86	17.85	5
		1	25	17.80	17.93	17.63	5
		1	49	17.64	17.87	17.87	5
		25	0	17.76	17.88	17.90	5
		25	12	17.97	18.09	18.19	5
		25	25	17.77	17.89	18.05	5
		50	0	18.00	18.06	18.26	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 997	132 322	132 647	
				1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	QPSK	1	0	22.59	22.81	22.85	0
		1	12	22.94	22.85	22.80	0
		1	24	22.71	22.88	22.69	0
		12	0	21.77	21.79	21.76	1
		12	7	21.47	21.84	21.68	1
		12	13	21.75	21.81	21.76	1
		25	0	21.69	21.83	21.74	1
	16QAM	1	0	21.81	22.03	21.81	1
		1	12	21.36	22.02	22.00	1
		1	24	21.53	21.98	21.57	1
		12	0	20.75	20.86	20.94	2
		12	7	20.60	20.87	20.98	2
		12	13	20.63	20.89	20.77	2
		25	0	20.65	20.77	20.96	2
	64QAM	1	0	20.73	20.84	20.80	2
		1	12	20.95	20.95	20.94	2
		1	24	20.66	20.88	21.02	2
		12	0	19.77	19.86	19.94	3
		12	7	19.80	19.90	19.97	3
		12	13	19.68	19.78	19.66	3
		25	0	19.76	19.92	19.91	3
	256QAM	1	0	17.64	17.87	18.05	5
		1	12	17.71	17.82	17.51	5
		1	24	17.69	17.73	17.84	5
		12	0	17.65	17.81	17.88	5
		12	7	17.62	17.79	17.81	5
		12	13	17.58	17.80	17.92	5
		25	0	17.71	17.76	17.88	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 987	132 322	132 657	
				1 711.5 MHz	1 745.0 MHz	1 778.5 MHz	
3 MHz	QPSK	1	0	22.63	22.70	22.84	0
		1	8	22.76	22.75	22.87	0
		1	14	22.40	22.65	22.37	0
		8	0	21.60	21.76	21.79	1
		8	4	21.40	21.79	21.71	1
		8	7	21.71	21.81	21.89	1
		15	0	21.53	21.81	21.77	1
	16QAM	1	0	21.71	21.74	21.71	1
		1	8	21.56	21.94	21.88	1
		1	14	21.51	21.86	21.44	1
		8	0	20.55	20.78	20.83	2
		8	4	20.72	20.87	21.05	2
		8	7	20.81	20.91	20.90	2
		15	0	20.59	20.74	20.76	2
	64QAM	1	0	20.69	20.91	20.98	2
		1	8	20.64	20.75	20.81	2
		1	14	20.86	20.96	20.98	2
		8	0	19.75	19.77	19.79	3
		8	4	19.86	19.94	19.87	3
		8	7	19.60	19.80	19.77	3
		15	0	19.56	19.84	19.94	3
	256QAM	1	0	17.53	17.69	17.75	5
		1	8	17.71	17.78	17.62	5
		1	14	17.65	17.62	17.66	5
		8	0	17.66	17.78	17.83	5
		8	4	17.61	17.78	17.85	5
		8	7	17.77	17.93	18.15	5
		15	0	17.52	17.72	17.92	5

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 979	132 322	132 665	
				1 710.7 MHz	1 745.0 MHz	1 779.3 MHz	
1.4 MHz	QPSK	1	0	22.51	22.60	22.61	0
		1	3	22.78	22.75	22.83	0
		1	5	22.57	22.84	22.54	0
		3	0	22.59	22.71	22.64	0
		3	1	22.53	22.66	22.46	0
		3	3	22.68	22.85	22.89	0
		6	0	21.54	21.70	21.71	1
	16QAM	1	0	21.57	21.84	21.51	1
		1	3	21.70	21.93	21.86	1
		1	5	21.60	21.90	21.46	1
		3	0	21.68	21.74	21.79	1
		3	1	21.61	21.81	21.94	1
		3	3	21.71	21.94	21.89	1
		6	0	20.57	20.73	20.86	2
	64QAM	1	0	20.59	20.84	20.95	2
		1	3	20.74	20.79	20.79	2
		1	5	20.72	20.87	20.82	2
		3	0	20.85	20.79	20.84	2
		3	1	20.69	20.86	20.90	2
		3	3	20.84	20.96	21.00	2
		6	0	19.64	19.88	20.01	3
	256QAM	1	0	17.60	17.73	17.71	5
		1	3	17.79	17.95	17.66	5
		1	5	17.70	17.59	17.53	5
		3	0	17.74	17.83	17.76	5
		3	1	17.68	17.85	17.99	5
		3	3	17.60	17.79	17.90	5
		6	0	17.51	17.71	17.83	5

10.1.3 5G NR Average Conducted Output Power

10.1.3.1 NR n2(NSA) (Ant.0)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					372000	376000	380000	
					1 860.0 MHz	1 880.0MHz	1 900.0MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.66	23.76	23.69	0
			1	53	23.60	23.84	23.80	0
			1	104	23.69	23.81	23.71	0
			50	0	23.23	23.31	23.29	0.5
			50	28	23.76	23.73	23.84	0
			50	56	23.18	23.34	23.33	0.5
			100	0	23.26	23.26	23.24	0.5
		QPSK	1	1	23.80	23.84	23.64	0
			1	53	23.85	23.92	23.71	0
			1	104	23.84	23.89	23.62	0
			50	0	22.76	22.78	22.74	1
			50	28	23.73	23.85	23.81	0
			50	56	22.71	22.84	22.81	1
			100	0	22.78	22.79	22.78	1
		16QAM	1	1	22.64	22.74	22.65	1
		64QAM	1	1	21.54	21.48	21.49	2.5
		256QAM	1	1	18.67	18.76	18.72	4.5
	CP-OFDM	QPSK	1	1	22.43	22.51	22.50	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371500	376000	380500	
					1857.5 MHz	1 880.0MHz	1 902.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.58	23.73	23.72	0
			1	40	23.57	23.77	23.74	0
			1	77	23.80	23.84	23.78	0
			36	0	23.25	23.33	23.36	0.5
			36	22	23.79	23.82	23.88	0
			36	43	23.15	23.35	23.34	0.5
			75	0	23.17	23.26	23.21	0.5
		QPSK	1	1	23.75	23.74	23.46	0
			1	40	23.66	23.80	23.62	0
			1	77	23.77	23.85	23.65	0
			36	0	22.85	22.88	22.76	1
			36	22	23.79	23.86	23.91	0
			36	43	22.95	23.01	23.07	1
			75	0	22.77	22.85	22.88	1
		16QAM	1	1	22.64	22.70	22.54	1
		64QAM	1	1	21.57	21.53	21.45	2.5
		256QAM	1	1	18.67	18.77	18.77	4.5
	CP-OFDM	QPSK	1	1	22.33	22.34	22.41	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371000	376000	381000	
					1 855.0 MHz	1 880.0MHz	1 905.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.57	23.60	23.55	0
			1	26	23.36	23.52	23.42	0
			1	50	23.46	23.48	23.41	0
			25	0	23.06	23.14	23.06	0.5
			25	14	23.54	23.60	23.72	0
			25	27	22.89	23.11	23.13	0.5
			50	0	23.11	23.14	23.19	0.5
		QPSK	1	1	23.55	23.67	23.40	0
			1	26	23.66	23.64	23.46	0
			1	50	23.49	23.54	23.25	0
			25	0	22.89	22.81	22.73	1
			25	14	23.75	23.79	23.67	0
			25	27	22.71	22.76	22.63	1
			50	0	22.68	22.79	22.69	1
		16QAM	1	1	22.44	22.61	22.59	1
		64QAM	1	1	21.36	21.40	21.45	2.5
		256QAM	1	1	18.57	18.56	18.62	4.5
	CP-OFDM	QPSK	1	1	22.06	22.13	22.19	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					370500	376000	381500	
					1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.53	23.70	23.64	0
			1	13	23.43	23.72	23.66	0
			1	23	23.49	23.61	23.57	0
			12	0	23.17	23.20	23.23	0.5
			12	7	23.68	23.59	23.74	0
			12	13	23.00	23.06	23.03	0.5
			25	0	23.10	23.13	23.21	0.5
		QPSK	1	1	23.74	23.69	23.56	0
			1	13	23.62	23.65	23.52	0
			1	23	23.51	23.57	23.24	0
			12	0	22.77	22.77	22.68	1
			12	7	23.61	23.76	23.75	0
			12	13	22.54	22.67	22.62	1
			25	0	22.62	22.72	22.65	1
		16QAM	1	1	22.46	22.60	22.61	1
		64QAM	1	1	21.44	21.36	21.31	2.5
		256QAM	1	1	18.71	18.74	18.73	4.5
	CP-OFDM	QPSK	1	1	22.12	22.19	22.20	1.5

10.1.3.2 NR n2(NSA) (Ant.2)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					372000	376000	380000	
					1 860.0 MHz	1 880.0MHz	1 900.0MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.64	23.72	23.73	0
			1	53	23.70	23.74	23.74	0
			1	104	23.68	23.71	23.65	0
			50	0	23.29	23.26	23.36	0.5
			50	28	23.80	23.88	23.85	0
			50	56	23.31	23.35	23.33	0.5
			100	0	23.31	23.41	23.30	0.5
		QPSK	1	1	23.74	23.67	23.69	0
			1	53	23.68	23.76	23.68	0
			1	104	23.75	23.72	23.63	0
			50	0	22.84	22.82	22.83	1
			50	28	23.78	23.89	23.86	0
			50	56	22.86	22.90	22.74	1
			100	0	22.80	22.86	22.84	1
		16QAM	1	1	22.86	22.78	22.82	1
		64QAM	1	1	21.27	21.48	21.27	2.5
		256QAM	1	1	18.74	18.86	18.78	4.5
	CP-OFDM	QPSK	1	1	22.28	22.37	22.32	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371500	376000	380500	
					1857.5 MHz	1 880.0MHz	1 902.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.64	23.76	23.78	0
			1	40	23.69	23.76	23.69	0
			1	77	23.63	23.75	23.76	0
			36	0	23.46	23.40	23.53	0.5
			36	22	23.74	23.91	23.89	0
			36	43	23.31	23.38	23.43	0.5
			75	0	23.29	23.39	23.33	0.5
		QPSK	1	1	23.83	23.71	23.68	0
			1	40	23.62	23.74	23.58	0
			1	77	23.75	23.74	23.66	0
			36	0	23.09	22.97	22.99	1
			36	22	23.91	23.93	23.85	0
			36	43	23.03	22.99	22.76	1
			75	0	22.81	22.92	22.84	1
		16QAM	1	1	22.88	22.78	22.81	1
		64QAM	1	1	21.27	21.47	21.30	2.5
		256QAM	1	1	18.71	18.82	18.74	4.5
	CP-OFDM	QPSK	1	1	22.29	22.40	22.41	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371000	376000	381000	
					1 855.0 MHz	1 880.0MHz	1 905.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.73	23.74	23.75	0
			1	26	23.69	23.69	23.61	0
			1	50	23.52	23.60	23.47	0
			25	0	23.31	23.20	23.23	0.5
			25	14	23.49	23.65	23.56	0
			25	27	22.98	23.11	23.03	0.5
			50	0	23.02	23.16	22.96	0.5
		QPSK	1	1	23.83	23.71	23.68	0
			1	26	23.65	23.65	23.67	0
			1	50	23.70	23.62	23.63	0
			25	0	22.67	22.66	22.64	1
			25	14	23.50	23.62	23.67	0
			25	27	22.91	22.88	22.74	1
			50	0	22.68	22.65	22.67	1
		16QAM	1	1	22.73	22.64	22.60	1
		64QAM	1	1	21.17	21.39	21.19	2.5
		256QAM	1	1	18.71	18.74	18.56	4.5
	CP-OFDM	QPSK	1	1	22.05	22.19	22.16	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					370500	376000	381500	
					1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.70	23.68	23.64	0
			1	13	23.61	23.72	23.66	0
			1	23	23.55	23.60	23.51	0
			12	0	23.16	23.21	23.37	0.5
			12	7	23.61	23.59	23.55	0
			12	13	23.11	23.12	23.00	0.5
			25	0	22.94	23.14	23.01	0.5
		QPSK	1	1	23.70	23.72	23.76	0
			1	13	23.55	23.62	23.68	0
			1	23	23.67	23.60	23.51	0
			12	0	22.73	22.70	22.62	1
			12	7	23.58	23.60	23.64	0
			12	13	22.49	22.60	22.38	1
			25	0	22.70	22.70	22.73	1
		16QAM	1	1	22.71	22.57	22.71	1
		64QAM	1	1	21.22	21.41	21.10	2.5
		256QAM	1	1	18.53	18.71	18.69	4.5
	CP-OFDM	QPSK	1	1	22.21	22.20	22.17	1.5

10.1.3.3 NR n5(NSA) (Ant.0)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					167 300	
					836.5 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.49	0
			1	53	24.44	0
			1	104	24.52	0
			50	0	24.46	0.5
			50	28	24.56	0
			50	56	24.11	0.5
			100	0	24.02	0.5
		QPSK	1	1	24.40	0
			1	53	24.53	0
			1	104	24.45	0
			50	0	23.56	1
			50	28	24.61	0
			50	56	23.60	1
			100	0	23.65	1
		16QAM	1	1	23.36	1
		64QAM	1	1	22.24	2.5
		256QAM	1	1	19.53	4.5
	CP-OFDM	QPSK	1	1	22.94	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					167 300	
					836.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.52	0
			1	40	24.55	0
			1	77	24.44	0
			36	0	24.04	0.5
			36	22	24.62	0
			36	43	24.11	0.5
			75	0	24.05	0.5
		QPSK	1	1	24.47	0
			1	40	24.56	0
			1	77	24.44	0
			36	0	23.50	1
			36	22	24.72	0
			36	43	23.68	1
			75	0	23.64	1
		16QAM	1	1	23.46	1
		64QAM	1	1	22.27	2.5
		256QAM	1	1	19.57	4.5
	CP-OFDM	QPSK	1	1	23.01	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					167 300	
					836.5 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.79	0
			1	26	23.92	0
			1	50	23.90	0
			25	0	23.44	0.5
			25	14	23.92	0
			25	27	23.42	0.5
			50	0	23.44	0.5
		QPSK	1	1	23.77	0
			1	26	23.90	0
			1	50	23.93	0
			25	0	22.97	1
			25	14	23.97	0
			25	27	22.92	1
			50	0	22.91	1
		16QAM	1	1	22.76	1
		64QAM	1	1	21.54	2.5
		256QAM	1	1	18.94	4.5
	CP-OFDM	QPSK	1	1	22.34	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					165300	167300	169300	
					826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.71	23.96	23.81	0
			1	13	23.77	23.92	23.95	0
			1	23	23.75	23.93	23.74	0
			12	0	22.98	23.42	22.97	0.5
			12	7	23.80	23.96	23.91	0
			12	13	23.53	23.47	23.39	0.5
			25	0	23.42	23.42	23.56	0.5
		QPSK	1	1	23.76	23.84	23.97	0
			1	13	23.77	23.86	23.81	0
			1	23	23.79	23.80	23.63	0
			12	0	22.91	22.91	22.99	1
			12	7	23.81	23.99	23.98	0
			12	13	22.80	22.97	23.06	1
			25	0	22.77	22.91	22.85	1
		16QAM	1	1	23.01	23.05	23.11	1
		64QAM	1	1	21.32	21.30	21.30	2.5
		256QAM	1	1	19.00	18.98	18.92	4.5
	CP-OFDM	QPSK	1	1	22.32	22.44	22.58	1.5

10.1.3.4 NR n66 (NSA) (Ant.0)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					349000	
					1 745.0 MHz	
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.81	0
			1	80	23.85	0
			1	158	23.95	0
			80	0	23.52	0.5
			80	40	23.97	0
			80	80	23.48	0.5
			160	0	23.49	0.5
		QPSK	1	1	23.84	0
			1	80	23.93	0
			1	158	23.98	0
			80	0	23.07	1
			80	40	23.99	0
			80	80	22.96	1
			160	0	23.05	1
		16QAM	1	1	22.89	1
		64QAM	1	1	21.63	2.5
		256QAM	1	1	19.28	4.5
	CP-OFDM	QPSK	1	1	22.40	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					344000	349000	354000	
					1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.95	23.97	23.91	0
			1	53	23.91	23.86	23.82	0
			1	104	23.81	23.90	23.82	0
			50	0	23.47	23.47	23.46	0.5
			50	28	23.90	24.00	23.93	0
			50	56	23.57	23.47	23.46	0.5
			100	0	23.48	23.44	23.44	0.5
		QPSK	1	1	23.88	24.04	24.00	0
			1	53	23.88	24.01	23.97	0
			1	104	23.93	24.04	23.94	0
			50	0	23.01	23.00	22.97	1
			50	28	23.87	24.01	23.95	0
			50	56	22.97	22.96	22.88	1
			100	0	22.96	23.07	22.99	1
		16QAM	1	1	22.84	22.88	22.89	1
		64QAM	1	1	21.62	21.70	21.62	2.5
		256QAM	1	1	18.69	18.89	18.69	4.5
	CP-OFDM	QPSK	1	1	22.75	22.50	22.46	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343500	349000	354500	
					1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.99	23.94	24.03	0
			1	40	24.07	23.92	23.88	0
			1	77	23.94	24.06	23.81	0
			36	0	23.53	23.52	23.67	0.5
			36	22	23.83	23.93	23.90	0
			36	43	23.60	23.44	23.50	0.5
			75	0	23.49	23.50	23.58	0.5
		QPSK	1	1	23.89	23.91	24.10	0
			1	40	23.57	23.82	23.80	0
			1	77	23.77	24.02	24.04	0
			36	0	22.90	23.04	23.01	1
			36	22	23.97	23.99	23.97	0
			36	43	22.98	22.95	22.88	1
			75	0	23.05	23.00	22.96	1
		16QAM	1	1	22.83	22.90	23.02	1
		64QAM	1	1	21.70	21.71	21.73	2.5
		256QAM	1	1	18.79	18.99	18.86	4.5
	CP-OFDM	QPSK	1	1	22.79	22.51	22.66	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343000	349000	355000	
					1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.38	24.36	24.29	0
			1	26	24.38	24.31	24.22	0
			1	50	24.19	24.32	24.30	0
			25	0	23.88	23.94	23.98	0.5
			25	14	24.20	24.29	24.15	0
			25	27	23.98	23.90	23.89	0.5
			50	0	23.78	23.88	23.80	0.5
		QPSK	1	1	24.12	24.39	24.32	0
			1	26	24.20	24.36	24.13	0
			1	50	24.04	24.34	24.19	0
			25	0	23.37	23.43	23.25	1
			25	14	24.23	24.34	24.24	0
			25	27	23.34	23.39	23.25	1
			50	0	23.22	23.39	23.20	1
		16QAM	1	1	22.98	23.26	23.16	1
		64QAM	1	1	21.99	22.18	22.12	2.5
		256QAM	1	1	18.94	19.35	19.17	4.5
	CP-OFDM	QPSK	1	1	22.82	22.81	22.68	1.5

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Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					342500	349000	355500	
					1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.05	23.90	24.03	0
			1	13	23.98	23.87	23.93	0
			1	23	23.91	23.89	23.82	0
			12	0	23.34	23.34	23.48	0.5
			12	7	23.80	23.87	23.86	0
			12	13	23.57	23.38	23.46	0.5
			25	0	23.35	23.43	23.54	0.5
		QPSK	1	1	23.89	23.93	24.06	0
			1	13	23.79	23.91	23.81	0
			1	23	23.62	23.86	23.86	0
			12	0	22.76	22.87	22.93	1
			12	7	23.87	23.88	23.85	0
			12	13	22.91	22.92	22.95	1
			25	0	22.82	22.91	22.80	1
		16QAM	1	1	22.72	22.82	22.79	1
		64QAM	1	1	21.65	21.66	21.74	2.5
		256QAM	1	1	18.67	18.87	18.71	4.5
	CP-OFDM	QPSK	1	1	22.59	22.46	22.42	1.5

10.1.3.5 NR n66 (NSA) (Ant.2)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power		MPR
					349000		
					1 745.0 MHz		
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.82		0
			1	80	23.70		0
			1	158	23.79		0
			80	0	23.40		0.5
			80	40	23.89		0
			80	80	23.44		0.5
			160	0	23.39		0.5
		QPSK	1	1	23.82		0
			1	80	23.81		0
			1	158	23.90		0
			80	0	22.94		1
			80	40	23.98		0
			80	80	22.96		1
			160	0	22.99		1
		16QAM	1	1	22.76		1
		64QAM	1	1	21.49		2.5
		256QAM	1	1	19.09		4.5
	CP-OFDM	QPSK	1	1	22.29		1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					344000	349000	354000	
					1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.15	24.14	24.18	0
			1	53	24.11	24.20	24.07	0
			1	104	24.17	24.17	24.01	0
			50	0	23.86	23.79	23.97	0.5
			50	28	24.28	24.31	24.30	0
			50	56	23.78	23.81	23.67	0.5
			100	0	23.88	23.82	23.90	0.5
		QPSK	1	1	24.03	24.09	24.00	0
			1	53	24.20	24.13	24.03	0
			1	104	24.18	24.22	24.14	0
			50	0	23.36	23.29	23.34	1
			50	28	24.17	24.32	24.26	0
			50	56	23.31	23.29	23.23	1
			100	0	23.30	23.26	23.16	1
		16QAM	1	1	23.18	23.21	23.20	1
		64QAM	1	1	22.01	21.99	22.05	2.5
		256QAM	1	1	19.19	19.24	19.25	4.5
	CP-OFDM	QPSK	1	1	22.73	22.70	22.67	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343500	349000	354500	
					1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.38	24.31	24.21	0
			1	40	24.29	24.17	24.32	0
			1	77	24.15	24.23	24.11	0
			36	0	23.79	23.78	23.87	0.5
			36	22	24.26	24.33	24.33	0
			36	43	23.80	23.83	23.79	0.5
			75	0	23.78	23.75	23.74	0.5
		QPSK	1	1	24.29	24.36	24.35	0
			1	40	24.21	24.25	24.02	0
			1	77	24.34	24.40	24.21	0
			36	0	23.36	23.30	23.41	1
			36	22	24.29	24.35	24.06	0
			36	43	23.27	23.28	23.23	1
			75	0	23.24	23.24	23.10	1
		16QAM	1	1	23.11	23.17	23.30	1
		64QAM	1	1	21.99	21.96	22.00	2.5
		256QAM	1	1	19.45	19.46	19.36	4.5
	CP-OFDM	QPSK	1	1	22.69	22.73	22.74	1.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343000	349000	355000	
					1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.64	23.64	23.52	0
			1	26	23.73	23.67	23.71	0
			1	50	23.62	23.68	23.46	0
			25	0	23.34	23.30	23.42	0.5
			25	14	23.82	23.78	23.72	0
			25	27	23.25	23.31	23.16	0.5
			50	0	23.41	23.23	23.17	0.5
		QPSK	1	1	23.58	23.65	23.55	0
			1	26	23.65	23.74	23.54	0
			1	50	23.66	23.65	23.59	0
			25	0	22.82	22.74	22.77	1
			25	14	23.70	23.84	23.72	0
			25	27	22.70	22.84	22.74	1
			50	0	22.77	22.76	22.61	1
		16QAM	1	1	22.60	22.63	22.77	1
		64QAM	1	1	21.35	21.43	21.50	2.5
		256QAM	1	1	18.75	18.71	18.64	4.5
	CP-OFDM	QPSK	1	1	22.23	22.26	22.32	1.5

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Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					342500	349000	355500	
					1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.76	23.81	23.72	0
			1	13	23.85	23.76	23.72	0
			1	23	23.74	23.73	23.46	0
			12	0	23.34	23.24	23.28	0.5
			12	7	23.79	23.73	23.69	0
			12	13	23.31	23.23	23.18	0.5
			25	0	23.26	23.24	23.23	0.5
		QPSK	1	1	23.87	23.78	23.65	0
			1	13	23.79	23.82	23.77	0
			1	23	23.62	23.76	23.40	0
			12	0	22.63	22.68	22.79	1
			12	7	23.77	23.80	23.65	0
			12	13	22.77	22.75	22.57	1
			25	0	22.73	22.78	22.79	1
		16QAM	1	1	22.75	22.71	22.87	1
		64QAM	1	1	21.36	21.48	21.45	2.5
		256QAM	1	1	18.81	18.93	18.78	4.5
	CP-OFDM	QPSK	1	1	22.38	22.35	22.32	1.5

10.1.3.6 NR n77 DoD(NSA)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					633334	
					3500.01 MHz	
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.68	0
			1	137	24.74	0
			1	271	24.70	0
			135	0	24.70	0
			135	69	24.71	0
			135	138	24.48	0
			270	0	24.69	0
		QPSK	1	1	24.69	0
			1	137	24.77	0
			1	271	24.74	0
			135	0	24.65	0
			135	69	24.74	0
			135	138	24.61	0
			270	0	24.73	0
		16QAM	1	1	24.93	0
		64QAM	1	1	23.42	1.5
		256QAM	1	1	21.24	3.5
	CP-OFDM	QPSK	1	1	24.08	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					633334	
					3500.01 MHz	
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.65	0
			1	109	24.74	0
			1	215	24.72	0
			108	0	24.71	0
			108	55	24.75	0
			108	109	24.73	0
			216	0	24.69	0
		QPSK	1	1	24.71	0
			1	109	24.62	0
			1	215	24.76	0
			108	0	24.67	0
			108	55	24.76	0
			108	109	24.68	0
			216	0	24.70	0
		16QAM	1	1	24.92	0
		64QAM	1	1	23.48	1.5
		256QAM	1	1	21.30	3.5
	CP-OFDM	QPSK	1	1	24.09	0.5

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Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					633334	
					3500.01 MHz	
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.63	0
			1	81	24.71	0
			1	160	24.75	0
			81	0	24.77	0
			81	41	24.82	0
			81	81	24.81	0
			162	0	24.73	0
		QPSK	1	1	24.88	0
			1	81	24.63	0
			1	160	24.85	0
			81	0	24.77	0
			81	41	24.83	0
			81	81	24.79	0
			162	0	24.75	0
		16QAM	1	1	25.17	0
		64QAM	1	1	23.70	1.5
		256QAM	1	1	21.48	3.5
	CP-OFDM	QPSK	1	1	24.25	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power		MPR
					631334	635332	
					3470.01 MHz	3529.98 MHz	
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	25.03	25.04	0
			1	53	24.90	24.94	0
			1	104	25.06	25.04	0
			50	0	24.91	25.00	0
			50	28	24.94	24.96	0
			50	56	24.98	24.94	0
			100	0	24.94	24.90	0
		QPSK	1	1	24.96	25.08	0
			1	53	24.88	24.84	0
			1	104	25.06	25.12	0
			50	0	24.92	24.93	0
			50	28	24.85	24.88	0
			50	56	24.92	25.01	0
			100	0	24.95	24.92	0
		16QAM	1	1	25.17	25.17	0
		64QAM	1	1	23.82	23.77	1.5
		256QAM	1	1	21.53	21.68	3.5
	CP-OFDM	QPSK	1	1	24.41	24.51	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					631000	633334	635666	
					3465.00 MHz	3500.01 MHz	3534.99 MHz	
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.96	25.02	24.93	0
			1	39	24.87	24.93	24.88	0
			1	76	24.93	25.09	25.02	0
			36	0	24.89	24.98	24.93	0
			36	21	24.96	24.92	24.94	0
			36	42	24.87	24.96	24.89	0
			75	0	24.91	24.93	24.94	0
		QPSK	1	1	25.03	25.10	25.02	0
			1	39	24.93	24.98	24.94	0
			1	76	24.91	25.04	25.02	0
			36	0	24.83	25.01	24.98	0
			36	21	24.86	24.88	24.85	0
			36	42	24.91	24.95	24.92	0
			75	0	24.87	24.97	24.88	0
		16QAM	1	1	25.22	25.18	25.20	0
		64QAM	1	1	23.81	23.87	23.91	1.5
		256QAM	1	1	21.53	21.66	21.45	3.5
	CP-OFDM	QPSK	1	1	24.43	24.53	24.39	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					630668	633334	636000	
					3460.02 MHz	3500.01 MHz	3540.00 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.98	24.91	24.94	0
			1	26	24.96	24.92	24.98	0
			1	49	25.00	24.99	24.96	0
			25	0	24.82	24.87	24.89	0
			25	13	24.87	24.93	24.88	0
			25	26	24.96	24.92	24.94	0
			50	0	24.92	24.90	24.91	0
		QPSK	1	1	25.02	24.38	24.92	0
			1	26	24.95	24.93	24.93	0
			1	49	24.98	24.93	24.99	0
			25	0	24.87	24.89	24.92	0
			25	13	24.86	24.82	24.87	0
			25	26	24.97	24.91	24.92	0
			50	0	24.93	24.87	24.88	0
		16QAM	1	1	25.14	25.10	25.11	0
		64QAM	1	1	23.70	23.69	23.72	1.5
		256QAM	1	1	21.55	21.52	21.48	3.5
	CP-OFDM	QPSK	1	1	24.33	24.39	24.22	0.5

10.1.3.7 NR n77 (NSA)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power		MPR
					650000	662000	
					3750.00 MHz	3930.00 MHz	
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.50	24.55	0
			1	137	24.53	24.65	0
			1	271	24.61	24.63	0
			135	0	24.49	24.65	0
			135	69	24.42	24.66	0
			135	138	24.50	24.62	0
			270	0	24.38	24.60	0
		QPSK	1	1	24.43	24.54	0
			1	137	24.63	24.73	0
			1	271	24.58	24.70	0
			135	0	24.42	24.61	0
			135	69	24.54	24.67	0
			135	138	24.44	24.58	0
			270	0	24.45	24.64	0
		16QAM	1	1	24.73	24.74	0
		64QAM	1	1	23.22	23.25	1.5
		256QAM	1	1	21.03	21.02	3.5
	CP-OFDM	QPSK	1	1	24.03	23.85	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					649334	656000	662666	
					3740.01 MHz	3840.00 MHz	3939.99 MHz	
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.43	24.46	24.51	0
			1	109	24.41	24.43	24.53	0
			1	215	24.32	24.35	24.36	0
			108	0	24.33	24.33	24.40	0
			108	55	24.36	24.30	24.46	0
			108	109	24.35	24.34	24.38	0
			216	0	24.31	24.29	24.46	0
		QPSK	1	1	24.51	24.47	24.53	0
			1	109	24.44	24.50	24.56	0
			1	215	24.31	24.33	24.42	0
			108	0	24.29	24.23	24.52	0
			108	55	24.32	24.30	24.49	0
			108	109	24.28	24.22	24.39	0
			216	0	24.26	24.52	24.43	0
		16QAM	1	1	24.68	24.64	24.66	0
		64QAM	1	1	23.19	23.33	23.32	1.5
		256QAM	1	1	21.02	21.06	20.96	3.5
	CP-OFDM	QPSK	1	1	23.86	23.91	23.90	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power				MPR
					648668	653556	658444	663332	
					3730.02 MHz	3803.34 MHz	3876.66 MHz	3949.98 MHz	
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.59	24.58	24.51	24.57	0
			1	81	24.41	24.43	24.42	24.48	0
			1	160	24.43	24.48	24.45	24.41	0
			81	0	24.55	24.51	24.52	24.53	0
			81	41	24.43	24.44	24.44	24.52	0
			81	81	24.37	24.39	24.40	24.54	0
			162	0	24.50	24.54	24.55	24.48	0
		QPSK	1	1	24.57	24.59	24.58	24.54	0
			1	81	24.40	24.42	24.61	24.62	0
			1	160	24.42	24.50	24.43	24.48	0
			81	0	24.52	24.58	24.51	24.48	0
			81	41	24.48	24.52	24.39	24.44	0
			81	81	24.42	24.43	24.40	24.51	0
			162	0	24.51	24.53	24.56	24.50	0
		16QAM	1	1	24.98	24.89	24.71	24.79	0
		64QAM	1	1	23.39	23.41	23.38	23.31	1.5
		256QAM	1	1	21.21	21.19	21.14	21.06	3.5
	CP-OFDM	QPSK	1	1	24.03	24.10	23.98	23.96	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power (dBm)						MPR
					648000	651200	654400	657600	660800	664000	
					3720.00 MHz	3768.00 MHz	3816.00 MHz	3864.00 MHz	3912.00 MHz	3960.00 MHz	
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.74	24.96	24.95	24.86	24.90	24.88	0
			1	53	24.73	24.68	24.67	24.85	24.88	24.77	0
			1	104	24.79	24.73	24.82	24.81	24.80	24.78	0
			50	0	24.72	24.83	24.77	24.78	24.81	24.81	0
			50	28	24.71	24.75	24.74	24.69	24.74	24.68	0
			50	56	24.68	24.78	24.73	24.73	24.71	24.72	0
			100	0	24.71	24.83	24.74	24.72	24.70	24.70	0
		QPSK	1	1	24.36	25.01	24.88	24.94	24.98	24.89	0
			1	53	24.69	24.25	24.20	24.74	24.80	24.79	0
			1	104	24.78	24.75	24.78	24.84	24.77	24.82	0
			50	0	24.67	24.86	24.84	24.75	24.79	24.80	0
			50	28	24.64	24.74	24.69	24.76	24.75	24.72	0
			50	56	24.65	24.81	24.68	24.71	24.66	24.82	0
			100	0	24.72	24.78	24.77	24.68	24.66	24.84	0
		16QAM	1	1	25.00	25.03	24.99	24.97	25.01	24.98	0
		64QAM	1	1	23.68	23.74	23.79	23.67	23.68	23.64	1.5
		256QAM	1	1	21.42	21.55	21.39	21.43	21.44	21.42	3.5
	CP-OFDM	QPSK	1	1	24.33	24.40	24.40	24.33	24.31	24.29	0.5

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power (dBm)							MPR
					647668	651000	654334	657666	661000	664332		
					3715.02 MHz	3765.00 MHz	3815.01 MHz	3864.99 MHz	3915.00 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.75	24.81	24.89	24.83	24.86	24.89	0	
			1	39	24.71	24.74	24.78	24.80	24.75	24.73	0	
			1	76	24.67	24.71	24.69	24.73	24.75	24.78	0	
			36	0	24.68	24.70	24.71	24.71	24.77	24.62	0	
			36	21	24.69	24.65	24.72	24.77	24.73	24.75	0	
			36	42	24.65	24.71	24.69	24.73	24.68	24.74	0	
			75	0	24.72	24.68	24.73	24.74	24.75	24.69	0	
		QPSK	1	1	24.79	24.86	24.80	24.82	24.86	24.92	0	
			1	39	24.76	24.75	24.79	24.77	24.68	24.81	0	
			1	76	24.75	24.69	24.65	24.68	24.66	24.65	0	
			36	0	24.68	24.73	24.77	24.72	24.81	24.79	0	
			36	21	24.71	24.72	24.78	24.73	24.72	24.79	0	
			36	42	24.66	24.65	24.69	24.64	24.70	24.68	0	
			75	0	24.70	24.69	24.73	24.65	24.63	24.77	0	
		16QAM	1	1	24.99	25.01	25.02	24.92	25.02	25.02	0	
		64QAM	1	1	23.48	23.59	23.62	23.53	23.58	23.69	1.5	
		256QAM	1	1	21.26	21.35	21.38	21.29	21.30	21.36	3.5	
	CP-OFDM	QPSK	1	1	24.21	24.23	24.20	24.21	24.27	24.25	0.5	

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power (dBm)							MPR
					647334	650800	654266	657734	661200	664666		
					3710.01 MHz	3762.00 MHz	3813.99 MHz	3866.01 MHz	3918.00 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.74	24.89	24.88	24.82	24.85	24.83	0	
			1	26	24.73	24.75	24.73	24.80	24.81	24.85	0	
			1	49	24.76	24.69	24.71	24.73	24.72	24.81	0	
			25	0	24.71	24.79	24.73	24.76	24.69	24.75	0	
			25	13	24.71	24.75	24.74	24.77	24.73	24.80	0	
			25	26	24.64	24.66	24.69	24.65	24.69	24.76	0	
			50	0	24.65	24.73	24.65	24.69	24.72	24.78	0	
		QPSK	1	1	24.76	24.84	24.88	24.90	24.87	24.85	0	
			1	26	24.74	24.81	24.79	24.82	24.78	24.79	0	
			1	49	24.68	24.72	24.73	24.66	24.73	24.86	0	
			25	0	24.72	24.81	24.75	24.73	24.67	24.71	0	
			25	13	24.71	24.68	24.65	24.71	24.71	24.73	0	
			25	26	24.62	24.63	24.70	24.69	24.65	24.75	0	
			50	0	24.67	24.68	24.73	24.72	24.73	24.80	0	
		16QAM	1	1	25.00	24.98	25.02	24.99	25.01	24.97	0	
		64QAM	1	1	23.53	23.68	23.66	23.57	23.61	23.63	1.5	
		256QAM	1	1	21.38	21.45	21.36	21.30	21.35	21.32	3.5	
	CP-OFDM	QPSK	1	1	24.21	24.28	24.19	24.19	24.18	24.23	0.5	

10.2 Average Conducted Output Power (Notebook Grip Sensor)

10.2.1 WCDMA Average Conducted Output Power

Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		9 262	9 400	9 538	
		1 852.4 MHz	1 880.0 MHz	1 907.6 MHz	
WCDMA II	RMC	17.01	17.02	16.99	-
	HSDPA-Subtest 1	15.77	15.76	15.68	0
	HSDPA-Subtest 2	15.10	15.12	15.01	0
	HSDPA-Subtest 3	14.37	14.38	14.30	0.0
	HSDPA-Subtest 4	14.34	14.34	14.25	0.0
	HSUPA-Subtest 1	15.81	15.83	15.70	0
	HSUPA-Subtest 2	14.08	14.03	14.02	0
	HSUPA-Subtest 3	14.77	14.84	14.74	0
	HSUPA-Subtest 4	14.05	14.12	14.08	0
	HSUPA-Subtest 5	15.82	15.79	15.78	0
	DC-HSDPA-Subtest 1	15.86	15.85	15.74	0
	DC-HSDPA-Subtest 2	15.82	15.80	15.75	0
	DC-HSDPA-Subtest 3	15.33	15.28	15.27	0.0
	DC-HSDPA-Subtest 4	15.34	15.29	15.17	0.0

Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		1 312	1 412	1 513	
		1 712.4 MHz	1 732.4 MHz	1 752.6 MHz	
WCDMA IV	RMC	14.72	14.93	14.93	-
	HSDPA-Subtest 1	13.69	13.77	13.77	0
	HSDPA-Subtest 2	12.97	13.06	12.98	0
	HSDPA-Subtest 3	12.24	12.23	12.23	0.0
	HSDPA-Subtest 4	12.16	12.05	12.19	0.0
	HSUPA-Subtest 1	13.73	13.80	13.88	0
	HSUPA-Subtest 2	12.03	12.01	12.04	0
	HSUPA-Subtest 3	12.80	12.89	12.82	0
	HSUPA-Subtest 4	12.03	12.04	12.05	0
	HSUPA-Subtest 5	13.76	13.79	13.80	0
	DC-HSDPA-Subtest 1	13.75	13.88	13.85	0
	DC-HSDPA-Subtest 2	13.77	13.83	13.88	0
	DC-HSDPA-Subtest 3	13.27	13.33	13.30	0.0
	DC-HSDPA-Subtest 4	13.23	13.32	13.32	0.0

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Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		4 132	4 183	4 233	
		826.4 MHz	836.6 MHz	846.6 MHz	
WCDMA V	RMC	22.11	22.06	22.16	-
	HSDPA-Subtest 1	21.11	21.13	21.09	0
	HSDPA-Subtest 2	20.46	20.51	20.44	0
	HSDPA-Subtest 3	19.81	19.87	19.75	0.0
	HSDPA-Subtest 4	19.96	19.81	19.68	0.0
	HSUPA-Subtest 1	21.16	21.19	21.16	0
	HSUPA-Subtest 2	19.09	19.20	19.11	0
	HSUPA-Subtest 3	20.18	20.26	20.11	0
	HSUPA-Subtest 4	19.12	19.25	19.17	0
	HSUPA-Subtest 5	21.24	21.19	21.08	0
	DC-HSDPA-Subtest 1	21.17	21.24	21.16	0
	DC-HSDPA-Subtest 2	21.15	21.23	21.15	0
	DC-HSDPA-Subtest 3	20.64	20.71	20.62	0.0
	DC-HSDPA-Subtest 4	20.65	20.71	20.63	0.0

10.2.2 LTE Average Conducted Output Power

10.2.2.1 LTE Band 2 (Ant.0)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 700	18 900	19 100	
				1 860.0 MHz	1 880.0 MHz	1 900.0 MHz	
20 MHz	QPSK	1	0	16.57	16.61	16.50	0
		1	49	16.70	16.66	16.52	0
		1	99	16.67	16.65	16.51	0
		50	0	16.56	16.58	16.55	0
		50	24	16.66	16.65	16.58	0
		50	50	16.62	16.64	16.57	0
		100	0	16.65	16.61	16.54	0
	16QAM	1	0	16.73	16.62	16.67	0
		1	49	16.78	16.67	16.91	0
		1	99	16.75	16.50	16.82	0
		50	0	16.60	16.64	16.61	0
		50	24	16.64	16.62	16.52	0
		50	50	16.65	16.68	16.66	0
		100	0	16.69	16.59	16.56	0
	64QAM	1	0	16.97	16.95	16.84	0
		1	49	16.91	16.94	16.79	0
		1	99	16.82	17.02	16.77	0
		50	0	16.67	16.75	16.69	0
		50	24	16.84	16.71	16.62	0
		50	50	16.69	16.77	16.80	0
		100	0	16.79	16.68	16.74	0
	256QAM	1	0	16.80	16.75	16.86	0
		1	49	16.66	16.89	16.94	0
		1	99	16.96	16.90	16.82	0
		50	0	16.82	16.85	16.68	0
		50	24	16.80	16.74	16.77	0
		50	50	16.71	16.79	16.75	0
		100	0	16.83	16.81	16.71	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 675	18 900	19 125	
				1 857.5 MHz	1 880.0 MHz	1 902.5 MHz	
15 MHz	QPSK	1	0	16.55	16.51	16.58	0
		1	36	16.60	16.63	16.50	0
		1	74	16.55	16.59	16.53	0
		36	0	16.54	16.54	16.53	0
		36	18	16.58	16.54	16.57	0
		36	37	16.61	16.59	16.57	0
		75	0	16.64	16.54	16.60	0
	16QAM	1	0	16.91	16.73	16.79	0
		1	36	16.82	16.90	16.68	0
		1	74	16.63	16.81	16.72	0
		36	0	16.56	16.54	16.55	0
		36	18	16.65	16.59	16.59	0
		36	37	16.61	16.65	16.52	0
		75	0	16.66	16.56	16.63	0
	64QAM	1	0	16.90	17.15	16.80	0
		1	36	17.17	16.94	16.73	0
		1	74	16.69	16.96	16.78	0
		36	0	16.78	16.82	16.64	0
		36	18	16.79	16.67	16.69	0
		36	37	16.79	16.82	16.70	0
		75	0	16.80	16.72	16.72	0
	256QAM	1	0	16.93	16.85	16.87	0
		1	36	17.05	16.92	16.90	0
		1	74	16.93	16.79	16.77	0
		36	0	16.62	16.77	16.64	0
		36	18	16.82	16.76	16.71	0
		36	37	16.85	16.85	16.71	0
		75	0	16.82	16.74	16.74	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 650	18 900	19 150	
				1 855.0 MHz	1 880.0 MHz	1 905.0 MHz	
10 MHz	QPSK	1	0	16.65	16.69	16.64	0
		1	25	16.68	16.71	16.66	0
		1	49	16.59	16.62	16.54	0
		25	0	16.64	16.66	16.64	0
		25	12	16.74	16.67	16.66	0
		25	25	16.69	16.68	16.54	0
		50	0	16.76	16.64	16.64	0
	16QAM	1	0	16.82	16.85	16.74	0
		1	25	16.80	16.91	16.68	0
		1	49	16.77	16.79	16.72	0
		25	0	16.68	16.71	16.70	0
		25	12	16.74	16.67	16.69	0
		25	25	16.67	16.70	16.58	0
		50	0	16.77	16.66	16.65	0
	64QAM	1	0	17.12	17.10	17.03	0
		1	25	17.11	17.08	16.92	0
		1	49	17.07	16.85	16.99	0
		25	0	16.86	16.85	16.89	0
		25	12	16.92	16.87	16.84	0
		25	25	16.88	16.88	16.76	0
		50	0	16.91	16.82	16.82	0
	256QAM	1	0	16.67	16.97	16.81	0
		1	25	16.93	17.08	16.91	0
		1	49	16.79	16.75	16.84	0
		25	0	16.83	16.89	16.85	0
		25	12	16.92	16.85	16.85	0
		25	25	16.84	16.89	16.79	0
		50	0	16.88	16.84	16.88	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 625	18 900	19 175	
				1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	QPSK	1	0	16.73	16.57	16.52	0
		1	12	16.87	16.69	16.60	0
		1	24	16.66	16.64	16.54	0
		12	0	16.72	16.67	16.54	0
		12	7	16.70	16.71	16.59	0
		12	13	16.65	16.66	16.52	0
		25	0	16.68	16.63	16.54	0
	16QAM	1	0	16.60	16.80	16.78	0
		1	12	16.96	16.95	16.80	0
		1	24	16.77	16.76	16.72	0
		12	0	16.78	16.66	16.55	0
		12	7	16.74	16.69	16.60	0
		12	13	16.69	16.65	16.52	0
		25	0	16.75	16.70	16.54	0
	64QAM	1	0	17.08	16.88	17.00	0
		1	12	17.10	17.05	16.85	0
		1	24	16.91	16.78	16.92	0
		12	0	16.87	16.80	16.68	0
		12	7	16.81	16.88	16.81	0
		12	13	16.75	16.75	16.66	0
		25	0	16.82	16.74	16.54	0
	256QAM	1	0	16.67	16.80	16.71	0
		1	12	16.92	16.82	16.85	0
		1	24	16.80	16.75	16.69	0
		12	0	16.87	16.81	16.71	0
		12	7	16.83	16.84	16.79	0
		12	13	16.83	16.77	16.73	0
		25	0	16.77	16.78	16.70	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 615	18 900	19 185	
				1 851.5 MHz	1 880.0 MHz	1 908.5 MHz	
3 MHz	QPSK	1	0	16.67	16.66	16.61	0
		1	8	16.72	16.66	16.62	0
		1	14	16.53	16.56	16.44	0
		8	0	16.72	16.67	16.67	0
		8	4	16.75	16.76	16.63	0
		8	7	16.62	16.66	16.52	0
		15	0	16.73	16.66	16.64	0
	16QAM	1	0	16.83	16.90	16.72	0
		1	8	16.80	16.83	16.89	0
		1	14	16.68	16.64	16.76	0
		8	0	16.84	16.70	16.68	0
		8	4	16.84	16.66	16.64	0
		8	7	16.69	16.66	16.58	0
		15	0	16.72	16.69	16.62	0
	64QAM	1	0	17.01	16.97	17.05	0
		1	8	17.04	16.96	16.85	0
		1	14	16.84	16.97	16.86	0
		8	0	16.94	16.94	16.90	0
		8	4	16.96	16.96	16.81	0
		8	7	16.80	16.84	16.75	0
		15	0	16.91	16.78	16.75	0
	256QAM	1	0	17.05	17.04	16.82	0
		1	8	16.81	16.92	16.99	0
		1	14	16.66	16.83	16.78	0
		8	0	16.98	16.91	16.89	0
		8	4	16.86	16.94	16.89	0
		8	7	16.81	16.92	16.80	0
		15	0	16.90	16.82	16.83	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 607	18 900	19 193	
				1 850.7 MHz	1 880.0 MHz	1 909.3 MHz	
1.4 MHz	QPSK	1	0	16.67	16.69	16.63	0
		1	3	16.63	16.68	16.59	0
		1	5	16.63	16.61	16.49	0
		3	0	16.68	16.67	16.59	0
		3	1	16.64	16.71	16.57	0
		3	3	16.63	16.68	16.50	0
		6	0	16.64	16.67	16.57	0
	16QAM	1	0	16.88	16.88	16.67	0
		1	3	16.78	16.95	16.62	0
		1	5	16.84	16.86	16.66	0
		3	0	16.75	16.77	16.59	0
		3	1	16.72	16.65	16.61	0
		3	3	16.70	16.66	16.61	0
		6	0	16.74	16.74	16.55	0
	64QAM	1	0	17.14	16.96	17.05	0
		1	3	17.00	17.03	17.12	0
		1	5	16.94	17.02	16.84	0
		3	0	17.07	17.04	16.92	0
		3	1	17.09	16.94	16.83	0
		3	3	16.94	17.02	16.86	0
		6	0	16.94	16.91	16.85	0
	256QAM	1	0	17.01	17.16	16.89	0
		1	3	16.93	16.91	17.00	0
		1	5	16.91	16.85	16.64	0
		3	0	17.00	16.95	16.76	0
		3	1	17.08	16.95	16.84	0
		3	3	16.86	16.90	16.81	0
		6	0	16.83	16.90	16.77	0

10.2.2.2 LTE Band 2 (Ant.2)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 700	18 900	19 100	
				1 860.0 MHz	1 880.0 MHz	1 900.0 MHz	
20 MHz	QPSK	1	0	16.68	16.66	16.57	0
		1	49	16.86	16.73	16.60	0
		1	99	16.56	16.91	16.81	0
		50	0	16.81	16.85	16.80	0
		50	24	16.70	16.82	16.77	0
		50	50	16.71	16.70	16.65	0
		100	0	16.70	16.80	16.79	0
	16QAM	1	0	16.57	16.89	16.88	0
		1	49	16.67	16.94	16.96	0
		1	99	16.74	16.96	16.99	0
		50	0	16.87	16.79	16.72	0
		50	24	16.83	16.76	16.81	0
		50	50	16.72	16.69	16.76	0
		100	0	16.74	16.77	16.83	0
	64QAM	1	0	16.90	16.82	16.71	0
		1	49	16.81	16.80	16.83	0
		1	99	16.82	16.96	16.88	0
		50	0	16.82	16.80	16.67	0
		50	24	16.84	16.84	16.60	0
		50	50	16.79	16.63	16.62	0
		100	0	16.71	16.77	16.68	0
	256QAM	1	0	16.91	16.80	16.83	0
		1	49	16.84	16.83	16.51	0
		1	99	16.81	16.62	16.74	0
		50	0	16.77	16.75	16.60	0
		50	24	16.82	16.72	16.54	0
		50	50	16.90	16.64	16.56	0
		100	0	16.81	16.74	16.79	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 675	18 900	19 125	
				1 857.5 MHz	1 880.0 MHz	1 902.5 MHz	
15 MHz	QPSK	1	0	16.85	16.95	17.02	0
		1	36	16.56	16.66	16.66	0
		1	74	16.73	16.72	16.81	0
		36	0	16.93	16.78	16.51	0
		36	18	17.10	16.88	17.22	0
		36	37	16.66	16.75	16.65	0
		75	0	16.80	16.85	16.90	0
	16QAM	1	0	17.11	16.98	17.16	0
		1	36	17.17	16.85	17.21	0
		1	74	16.68	16.74	16.87	0
		36	0	16.96	16.95	16.87	0
		36	18	16.80	16.80	16.93	0
		36	37	16.59	16.72	16.39	0
		75	0	16.81	16.79	16.59	0
	64QAM	1	0	16.43	16.77	16.56	0
		1	36	17.04	16.86	17.18	0
		1	74	16.86	16.88	16.91	0
		36	0	17.04	16.87	17.14	0
		36	18	17.05	16.87	16.99	0
		36	37	16.96	16.77	16.88	0
		75	0	17.02	16.80	16.97	0
	256QAM	1	0	16.77	16.82	16.69	0
		1	36	16.59	16.84	16.64	0
		1	74	16.94	16.81	16.84	0
		36	0	16.85	16.62	16.51	0
		36	18	16.73	16.50	16.43	0
		36	37	16.77	16.66	16.70	0
		75	0	16.70	16.57	16.67	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 650	18 900	19 150	
				1 855.0 MHz	1 880.0 MHz	1 905.0 MHz	
10 MHz	QPSK	1	0	16.84	16.95	17.00	0
		1	25	16.90	16.99	16.80	0
		1	49	17.08	16.98	16.99	0
		25	0	17.10	17.06	16.82	0
		25	12	17.20	17.07	17.27	0
		25	25	16.79	16.95	16.93	0
		50	0	17.06	17.11	17.02	0
	16QAM	1	0	16.96	17.02	16.87	0
		1	25	17.11	17.12	17.05	0
		1	49	16.84	17.15	17.03	0
		25	0	17.08	17.08	17.01	0
		25	12	17.18	17.07	17.15	0
		25	25	16.88	17.03	16.79	0
		50	0	16.91	17.09	16.85	0
	64QAM	1	0	16.85	16.98	16.74	0
		1	25	17.15	17.12	17.22	0
		1	49	17.22	17.09	16.88	0
		25	0	17.10	17.13	17.14	0
		25	12	17.07	17.07	16.86	0
		25	25	17.15	16.97	17.12	0
		50	0	17.15	17.05	16.97	0
	256QAM	1	0	17.23	17.11	17.06	0
		1	25	16.75	16.85	16.58	0
		1	49	17.12	17.06	17.09	0
		25	0	17.05	16.84	16.60	0
		25	12	16.97	16.89	16.74	0
		25	25	17.03	17.04	17.17	0
		50	0	16.89	16.94	16.95	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 625	18 900	19 175	
				1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	QPSK	1	0	16.95	16.89	16.53	0
		1	12	16.97	16.95	16.82	0
		1	24	16.89	16.91	16.97	0
		12	0	16.86	16.93	16.92	0
		12	7	17.14	16.90	17.08	0
		12	13	16.75	16.78	16.51	0
		25	0	16.76	16.85	16.65	0
	16QAM	1	0	17.03	16.95	17.12	0
		1	12	17.07	17.06	17.17	0
		1	24	16.86	17.08	17.02	0
		12	0	17.00	16.98	16.99	0
		12	7	17.03	16.88	17.12	0
		12	13	16.68	16.84	16.51	0
		25	0	16.66	16.85	16.63	0
	64QAM	1	0	16.76	16.94	16.83	0
		1	12	17.10	16.85	17.11	0
		1	24	17.10	17.02	16.92	0
		12	0	17.25	16.97	17.15	0
		12	7	17.09	16.99	17.02	0
		12	13	17.11	16.82	17.08	0
		25	0	17.00	16.86	16.79	0
	256QAM	1	0	17.00	17.09	16.90	0
		1	12	16.82	16.97	16.62	0
		1	24	16.86	16.89	16.91	0
		12	0	17.25	17.05	16.97	0
		12	7	17.18	17.04	16.94	0
		12	13	17.17	17.04	17.20	0
		25	0	16.99	17.06	17.08	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 615	18 900	19 185	
				1 851.5 MHz	1 880.0 MHz	1 908.5 MHz	
3 MHz	QPSK	1	0	16.95	16.85	16.89	0
		1	8	16.91	16.96	16.87	0
		1	14	16.92	16.83	16.78	0
		8	0	16.83	16.88	16.86	0
		8	4	17.21	16.92	17.25	0
		8	7	16.95	16.93	16.88	0
		15	0	16.90	16.82	16.88	0
	16QAM	1	0	17.23	17.12	17.20	0
		1	8	16.94	17.22	17.15	0
		1	14	16.76	17.05	16.95	0
		8	0	17.00	17.00	17.05	0
		8	4	17.25	16.95	17.09	0
		8	7	16.63	16.94	16.74	0
		15	0	16.79	16.89	16.60	0
	64QAM	1	0	16.60	16.97	16.71	0
		1	8	17.08	17.06	17.21	0
		1	14	17.09	16.97	16.82	0
		8	0	17.25	17.02	17.12	0
		8	4	16.90	16.90	16.93	0
		8	7	17.26	16.93	17.09	0
		15	0	16.96	16.86	16.81	0
	256QAM	1	0	17.00	16.89	16.88	0
		1	8	16.45	16.81	16.63	0
		1	14	16.89	16.79	16.79	0
		8	0	17.03	17.00	16.92	0
		8	4	16.82	16.81	16.73	0
		8	7	17.12	16.92	16.87	0
		15	0	16.80	16.82	16.92	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 607	18 900	19 193	
				1 850.7 MHz	1 880.0 MHz	1 909.3 MHz	
1.4 MHz	QPSK	1	0	16.84	16.84	16.90	0
		1	3	16.90	16.89	16.70	0
		1	5	16.83	16.74	16.83	0
		3	0	17.05	16.86	16.77	0
		3	1	17.02	16.92	17.02	0
		3	3	16.71	16.86	16.66	0
		6	0	16.72	16.80	16.57	0
	16QAM	1	0	17.04	17.02	17.13	0
		1	3	17.15	16.98	17.17	0
		1	5	16.88	16.99	17.03	0
		3	0	16.89	16.91	16.90	0
		3	1	17.18	16.84	17.06	0
		3	3	16.74	16.95	16.83	0
		6	0	16.73	16.98	16.68	0
	64QAM	1	0	16.87	17.02	16.95	0
		1	3	17.11	16.87	17.20	0
		1	5	16.92	17.10	16.93	0
		3	0	17.24	16.92	17.03	0
		3	1	17.20	17.03	16.86	0
		3	3	17.09	16.89	16.78	0
		6	0	17.08	16.93	16.83	0
	256QAM	1	0	17.05	16.96	16.88	0
		1	3	16.80	17.08	16.93	0
		1	5	16.56	16.51	16.46	0
		3	0	17.00	16.87	16.71	0
		3	1	16.91	16.88	16.70	0
		3	3	16.78	16.71	16.70	0
		6	0	16.91	16.88	16.97	0

10.2.2.3 LTE Band 5

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				20 525	
				836.5 MHz	
10 MHz	QPSK	1	0	21.72	0
		1	25	21.92	0
		1	49	21.85	0
		25	0	21.79	0
		25	12	21.90	0
		25	25	21.94	0
		50	0	21.89	0
	16QAM	1	0	21.93	0
		1	25	21.94	0
		1	49	21.90	0
		25	0	21.71	0
		25	12	21.76	0
		25	25	21.88	0
		50	0	21.79	0
	64QAM	1	0	21.95	0
		1	25	21.99	0
		1	49	21.95	0
		25	0	20.79	1
		25	12	20.93	1
		25	25	20.97	1
		50	0	20.90	1
	256QAM	1	0	18.78	3
		1	25	18.98	3
		1	49	18.85	3
		25	0	18.77	3
		25	12	18.89	3
		25	25	18.96	3
		50	0	18.78	3

10 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 425	20 525	20 625	
				826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	QPSK	1	0	21.98	21.82	21.75	0
		1	12	21.91	21.91	21.81	0
		1	24	21.84	21.91	21.79	0
		12	0	21.88	21.81	21.78	0
		12	7	21.90	21.98	21.75	0
		12	13	21.85	21.95	21.80	0
		25	0	21.90	21.84	21.80	0
	16QAM	1	0	22.02	22.03	22.04	0
		1	12	22.02	22.15	21.95	0
		1	24	21.87	21.97	22.01	0
		12	0	21.82	21.77	21.64	0
		12	7	21.87	21.86	21.60	0
		12	13	21.85	21.84	21.70	0
		25	0	21.79	21.77	21.63	0
	64QAM	1	0	21.90	21.90	21.87	0
		1	12	21.98	21.91	21.94	0
		1	24	21.97	21.92	21.88	0
		12	0	20.90	20.76	20.74	1
		12	7	20.91	20.97	20.71	1
		12	13	20.88	20.85	20.82	1
		25	0	20.84	20.80	20.72	1
	256QAM	1	0	18.91	18.83	18.92	3
		1	12	18.96	18.95	18.96	3
		1	24	18.95	18.93	18.95	3
		12	0	18.86	18.77	18.81	3
		12	7	18.87	18.92	18.66	3
		12	13	18.86	18.85	18.87	3
		25	0	18.88	18.79	18.74	3

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 415	20 525	20 635	
				825.5 MHz	836.5 MHz	847.5 MHz	
3 MHz	QPSK	1	0	21.80	21.83	21.72	0
		1	8	21.92	21.92	21.80	0
		1	14	21.84	21.84	21.74	0
		8	0	21.90	21.78	21.73	0
		8	4	21.91	21.93	21.77	0
		8	7	21.93	21.94	21.78	0
		15	0	21.91	21.81	21.75	0
	16QAM	1	0	21.89	22.08	21.98	0
		1	8	21.95	22.19	21.95	0
		1	14	21.89	22.18	21.93	0
		8	0	21.79	21.71	21.56	0
		8	4	21.81	21.82	21.67	0
		8	7	21.80	21.84	21.67	0
		15	0	21.80	21.74	21.67	0
	64QAM	1	0	21.92	21.90	21.63	0
		1	8	21.97	21.98	21.75	0
		1	14	21.79	21.85	21.94	0
		8	0	20.93	20.74	20.68	1
		8	4	20.87	20.84	20.87	1
		8	7	20.85	20.93	20.76	1
		15	0	20.85	20.80	20.83	1
	256QAM	1	0	18.93	18.87	18.91	3
		1	8	18.90	18.99	18.83	3
		1	14	18.93	18.87	18.88	3
		8	0	19.00	18.71	18.65	3
		8	4	18.98	18.90	18.85	3
		8	7	18.91	18.81	18.77	3
		15	0	18.89	18.79	18.79	3

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 407	20 525	20 643	
				824.7 MHz	836.5 MHz	848.3 MHz	
1.4 MHz	QPSK	1	0	21.81	21.82	21.73	0
		1	3	21.82	21.86	21.72	0
		1	5	21.88	21.86	21.72	0
		3	0	21.81	21.83	21.74	0
		3	1	21.85	21.81	21.76	0
		3	3	21.86	21.86	21.75	0
		6	0	21.77	21.76	21.70	0
	16QAM	1	0	21.92	21.84	21.82	0
		1	3	21.94	21.94	21.98	0
		1	5	21.90	21.93	21.97	0
		3	0	21.90	21.92	21.87	0
		3	1	21.86	21.82	21.74	0
		3	3	21.91	21.85	21.81	0
		6	0	21.66	21.64	21.67	0
	64QAM	1	0	21.78	21.86	21.80	0
		1	3	21.81	21.98	21.86	0
		1	5	21.73	21.80	21.73	0
		3	0	21.93	21.96	21.79	1
		3	1	21.83	21.90	21.72	1
		3	3	21.78	21.74	21.60	1
		6	0	20.78	20.70	20.61	1
	256QAM	1	0	18.83	18.87	18.75	3
		1	3	18.96	18.80	18.65	3
		1	5	18.88	18.55	18.63	3
		3	0	18.92	18.64	18.52	3
		3	1	18.94	18.70	18.71	3
		3	3	18.75	18.81	18.67	3
		6	0	18.83	18.67	18.63	3

10.2.2.4 LTE Band 12

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 095	
				707.5 MHz	
10 MHz	QPSK	1	0	19.90	0
		1	25	19.87	0
		1	49	19.76	0
		25	0	19.84	0
		25	12	19.82	0
		25	25	19.89	0
		50	0	19.85	0
	16QAM	1	0	19.99	0
		1	25	19.98	0
		1	49	19.94	0
		25	0	19.81	0
		25	12	19.78	0
		25	25	19.88	0
		50	0	19.80	0
	64QAM	1	0	19.95	0
		1	25	20.01	0
		1	49	19.90	0
		25	0	19.87	0
		25	12	19.96	0
		25	25	19.90	0
		50	0	19.80	0
	256QAM	1	0	18.69	1
		1	25	18.88	1
		1	49	18.85	1
		25	0	18.82	1
		25	12	18.78	1
		25	25	18.74	1
		50	0	18.75	1

10 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

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Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 035	23 095	23 155	
				701.5 MHz	707.5 MHz	713.5 MHz	
5 MHz	QPSK	1	0	19.77	19.82	19.84	0
		1	12	19.94	19.84	19.83	0
		1	24	19.76	19.81	19.76	0
		12	0	19.79	19.77	19.80	0
		12	7	19.85	19.86	19.86	0
		12	13	19.78	19.81	19.80	0
		25	0	19.86	19.72	19.85	0
	16QAM	1	0	19.92	19.88	20.04	0
		1	12	19.93	19.91	20.21	0
		1	24	19.87	19.88	20.11	0
		12	0	19.81	19.79	19.88	0
		12	7	19.86	19.92	19.97	0
		12	13	19.78	19.77	19.90	0
		25	0	19.81	19.76	19.91	0
	64QAM	1	0	20.00	20.10	20.07	0
		1	12	20.03	20.18	20.12	0
		1	24	20.13	20.04	19.90	0
		12	0	19.93	19.83	19.82	0
		12	7	20.03	19.97	19.90	0
		12	13	19.91	19.95	19.93	0
		25	0	19.93	19.75	19.90	0
	256QAM	1	0	18.96	18.92	18.70	1
		1	12	18.99	18.93	18.96	1
		1	24	18.81	18.69	18.71	1
		12	0	18.80	18.85	18.77	1
		12	7	18.89	18.90	18.85	1
		12	13	18.75	18.77	18.75	1
		25	0	18.77	18.74	18.78	1

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 025	23 095	23 655	
				700.5 MHz	707.5 MHz	714.5 MHz	
3 MHz	QPSK	1	0	19.80	19.82	19.75	0
		1	8	19.80	19.83	19.87	0
		1	14	19.66	19.76	19.74	0
		8	0	19.90	19.81	19.80	0
		8	4	19.86	19.87	19.83	0
		8	7	19.80	19.80	19.79	0
		15	0	19.80	19.76	19.78	0
	16QAM	1	0	19.82	20.08	19.92	0
		1	8	19.90	19.96	19.90	0
		1	14	19.95	19.88	19.93	0
		8	0	19.90	19.80	19.85	0
		8	4	19.98	19.93	19.89	0
		8	7	19.82	19.87	19.85	0
		15	0	19.84	19.75	19.83	0
	64QAM	1	0	19.96	20.15	19.94	0
		1	8	19.98	20.21	19.98	0
		1	14	19.90	20.08	19.86	0
		8	0	19.96	19.86	19.86	0
		8	4	19.96	19.98	19.94	0
		8	7	19.94	19.91	19.85	0
		15	0	19.93	19.83	19.82	0
	256QAM	1	0	18.87	18.94	18.80	1
		1	8	18.80	18.80	18.97	1
		1	14	18.63	18.75	18.67	1
		8	0	18.90	18.81	18.78	1
		8	4	18.86	18.88	18.79	1
		8	7	18.71	18.81	18.72	1
		15	0	18.83	18.73	18.76	1

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 017	23 095	23 173	
				699.7 MHz	707.5 MHz	715.3 MHz	
1.4 MHz	QPSK	1	0	19.80	19.81	19.84	0
		1	3	19.83	19.83	19.86	0
		1	5	19.71	19.72	19.76	0
		3	0	19.85	19.84	19.86	0
		3	1	19.82	19.76	19.78	0
		3	3	19.78	19.79	19.73	0
		6	0	19.82	19.77	19.80	0
	16QAM	1	0	19.98	19.84	19.92	0
		1	3	19.99	19.87	19.94	0
		1	5	19.83	20.04	19.89	0
		3	0	19.89	19.86	19.78	0
		3	1	19.84	19.94	19.90	0
		3	3	19.81	19.99	19.82	0
		6	0	19.91	19.81	19.82	0
	64QAM	1	0	20.07	20.10	19.90	0
		1	3	20.02	20.13	19.93	0
		1	5	20.04	19.94	20.25	0
		3	0	20.01	20.03	19.88	0
		3	1	19.96	19.92	19.98	0
		3	3	19.90	19.89	19.86	0
		6	0	19.97	19.88	19.94	0
	256QAM	1	0	18.93	18.81	18.90	1
		1	3	18.72	18.95	18.88	1
		1	5	18.86	18.78	18.84	1
		3	0	18.78	18.87	18.79	1
		3	1	18.95	18.76	18.81	1
		3	3	18.86	18.86	18.85	1
		6	0	18.79	18.82	18.74	1

10.2.2.5 LTE Band 14

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 330	
				793.0 MHz	
10 MHz	QPSK	1	0	21.22	0
		1	25	21.16	0
		1	49	20.98	0
		25	0	21.19	0
		25	12	21.23	0
		25	25	21.07	0
		50	0	21.20	0
	16QAM	1	0	21.37	0
		1	25	21.33	0
		1	49	21.27	0
		25	0	21.12	0
		25	12	21.07	0
		25	25	21.13	0
		50	0	21.18	0
	64QAM	1	0	21.28	0
		1	25	21.15	0
		1	49	21.23	0
		25	0	21.03	0
		25	12	21.02	0
		25	25	20.93	0
		50	0	21.03	0
	256QAM	1	0	19.07	2
		1	25	19.20	2
		1	49	19.03	2
		25	0	19.01	2
		25	12	19.08	2
		25	25	18.97	2
		50	0	19.03	2

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 330	
				793.0 MHz	
5 MHz	QPSK	1	0	21.19	21.20
		1	12	21.13	21.12
		1	24	21.00	21.04
		12	0	21.19	21.11
		12	7	21.16	21.14
		12	13	21.14	21.06
		25	0	21.20	21.17
	16QAM	1	0	21.57	21.45
		1	12	21.45	21.40
		1	24	21.39	21.22
		12	0	21.20	21.21
		12	7	21.19	21.18
		12	13	21.15	21.12
		25	0	21.22	21.24
	64QAM	1	0	21.41	21.38
		1	12	21.35	21.29
		1	24	21.27	21.20
		12	0	21.13	21.07
		12	7	21.20	21.13
		12	13	21.10	20.99
		25	0	21.18	21.06
	256QAM	1	0	19.16	19.22
		1	12	19.27	19.15
		1	24	19.17	18.98
		12	0	19.06	19.14
		12	7	19.12	19.12
		12	13	19.05	18.92
		25	0	19.20	19.08

5 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

10.2.2.6 LTE Band 66 (Ant.0)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 072	132 322	132 572	
				1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	QPSK	1	0	14.61	14.73	14.74	0
		1	49	14.55	14.65	14.67	0
		1	99	14.57	14.61	14.60	0
		50	0	14.56	14.60	14.65	0
		50	24	14.61	14.60	14.63	0
		50	50	14.63	14.66	14.70	0
		100	0	14.59	14.59	14.61	0
	16QAM	1	0	14.84	14.68	14.94	0
		1	49	14.91	14.59	14.93	0
		1	99	14.68	14.54	14.95	0
		50	0	14.49	14.61	14.65	0
		50	24	14.59	14.59	14.64	0
		50	50	14.53	14.63	14.66	0
		100	0	14.58	14.56	14.59	0
	64QAM	1	0	14.84	15.09	15.02	0
		1	49	14.96	15.15	15.12	0
		1	99	14.89	14.84	14.91	0
		50	0	14.64	14.73	14.78	0
		50	24	14.78	14.72	14.88	0
		50	50	14.78	14.88	14.93	0
		100	0	14.78	14.75	14.87	0
	256QAM	1	0	14.52	14.85	15.00	0
		1	49	14.95	14.69	15.07	0
		1	99	14.76	14.93	14.94	0
		50	0	14.73	14.79	14.82	0
		50	24	14.74	14.77	14.79	0
		50	50	14.76	14.89	14.91	0
		100	0	14.79	14.73	14.79	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 047	132 322	132 597	
				1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	QPSK	1	0	14.60	14.76	14.64	0
		1	36	14.58	14.60	14.95	0
		1	74	14.53	14.56	14.58	0
		36	0	14.54	14.59	14.64	0
		36	18	14.66	14.60	14.64	0
		36	37	14.58	14.66	14.68	0
		75	0	14.63	14.61	14.62	0
	16QAM	1	0	14.67	14.81	14.79	0
		1	36	14.77	14.89	14.76	0
		1	74	14.67	14.75	14.80	0
		36	0	14.51	14.59	14.58	0
		36	18	14.58	14.58	14.63	0
		36	37	14.57	14.64	14.69	0
		75	0	14.57	14.54	14.59	0
	64QAM	1	0	14.74	14.90	15.10	0
		1	36	15.01	15.07	15.12	0
		1	74	14.89	14.96	15.00	0
		36	0	14.56	14.73	14.84	0
		36	18	14.80	14.76	14.84	0
		36	37	14.80	14.82	14.89	0
		75	0	14.75	14.72	14.76	0
	256QAM	1	0	14.90	14.70	14.77	0
		1	36	14.72	15.06	15.00	0
		1	74	14.97	14.88	15.01	0
		36	0	14.58	14.75	14.72	0
		36	18	14.83	14.80	14.80	0
		36	37	14.81	14.86	14.93	0
		75	0	14.77	14.70	14.76	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 022	132 322	132 622	
				1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	QPSK	1	0	14.65	14.75	14.76	0
		1	25	14.70	14.79	14.84	0
		1	49	14.61	14.61	14.73	0
		25	0	14.64	14.74	14.78	0
		25	12	14.71	14.75	14.80	0
		25	25	14.69	14.78	14.81	0
		50	0	14.73	14.73	14.74	0
	16QAM	1	0	14.72	14.97	14.93	0
		1	25	14.71	14.97	14.97	0
		1	49	14.68	14.80	15.01	0
		25	0	14.58	14.69	14.79	0
		25	12	14.71	14.68	14.72	0
		25	25	14.63	14.75	14.79	0
		50	0	14.65	14.62	14.81	0
	64QAM	1	0	14.82	14.90	14.95	0
		1	25	14.98	15.04	15.16	0
		1	49	15.08	15.02	15.11	0
		25	0	14.79	14.93	14.98	0
		25	12	14.89	14.93	15.00	0
		25	25	14.92	14.94	15.07	0
		50	0	14.88	14.96	15.03	0
	256QAM	1	0	14.88	15.01	14.81	0
		1	25	15.02	15.00	15.03	0
		1	49	14.90	15.07	14.96	0
		25	0	14.83	14.88	14.85	0
		25	12	14.88	14.93	14.95	0
		25	25	14.86	14.95	15.03	0
		50	0	14.93	14.84	14.96	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 997	132 322	132 647	
				1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	QPSK	1	0	14.68	14.73	14.85	0
		1	12	14.69	14.81	14.75	0
		1	24	14.68	14.78	14.75	0
		12	0	14.69	14.67	14.83	0
		12	7	14.72	14.69	14.79	0
		12	13	14.69	14.74	14.79	0
		25	0	14.70	14.66	14.76	0
	16QAM	1	0	14.72	14.83	14.91	0
		1	12	14.72	14.70	14.90	0
		1	24	14.71	14.84	14.88	0
		12	0	14.70	14.67	14.68	0
		12	7	14.66	14.81	14.75	0
		12	13	14.68	14.76	14.75	0
		25	0	14.62	14.66	14.78	0
	64QAM	1	0	15.05	15.10	15.13	0
		1	12	14.82	15.06	15.10	0
		1	24	14.98	15.21	15.13	0
		12	0	14.90	14.90	14.92	0
		12	7	14.92	15.01	15.09	0
		12	13	14.96	14.95	14.98	0
		25	0	14.89	14.88	14.98	0
	256QAM	1	0	14.75	14.79	15.03	0
		1	12	15.11	14.98	14.95	0
		1	24	14.88	14.93	15.10	0
		12	0	14.93	14.84	14.91	0
		12	7	14.91	15.03	14.98	0
		12	13	14.91	14.95	14.94	0
		25	0	14.87	14.87	14.94	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 987	132 322	132 657	
				1 711.5 MHz	1 745.0 MHz	1 778.5 MHz	
3 MHz	QPSK	1	0	14.59	14.73	14.70	0
		1	8	14.65	14.75	14.82	0
		1	14	14.56	14.69	14.74	0
		8	0	14.69	14.67	14.71	0
		8	4	14.71	14.77	14.86	0
		8	7	14.67	14.75	14.80	0
		15	0	14.67	14.65	14.71	0
	16QAM	1	0	14.79	14.79	14.75	0
		1	8	14.86	14.96	14.90	0
		1	14	14.57	14.77	14.86	0
		8	0	14.64	14.58	14.77	0
		8	4	14.66	14.77	14.80	0
		8	7	14.68	14.70	14.87	0
		15	0	14.63	14.64	14.68	0
	64QAM	1	0	14.87	15.11	15.03	0
		1	8	14.93	15.15	15.08	0
		1	14	15.19	14.92	15.12	0
		8	0	14.82	14.92	14.93	0
		8	4	14.97	14.96	14.88	0
		8	7	14.87	14.93	14.94	0
		15	0	14.93	14.97	14.88	0
	256QAM	1	0	14.81	14.79	14.97	0
		1	8	15.07	15.08	15.11	0
		1	14	14.91	14.84	14.97	0
		8	0	14.89	14.83	14.83	0
		8	4	14.83	14.91	14.83	0
		8	7	14.82	14.98	14.97	0
		15	0	14.82	14.89	14.81	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 979	132 322	132 665	
				1 710.7 MHz	1 745.0 MHz	1 779.3 MHz	
1.4 MHz	QPSK	1	0	14.65	14.70	14.76	0
		1	3	14.61	14.79	14.75	0
		1	5	14.59	14.69	14.70	0
		3	0	14.64	14.74	14.76	0
		3	1	14.62	14.71	14.77	0
		3	3	14.61	14.70	14.72	0
		6	0	14.64	14.73	14.69	0
	16QAM	1	0	14.67	14.75	14.82	0
		1	3	14.72	14.80	14.84	0
		1	5	14.66	14.80	14.98	0
		3	0	14.66	14.78	14.79	0
		3	1	14.63	14.75	14.76	0
		3	3	14.65	14.77	14.78	0
		6	0	14.56	14.68	14.71	0
	64QAM	1	0	14.93	15.03	15.07	0
		1	3	14.93	15.10	15.19	0
		1	5	14.94	14.99	14.91	0
		3	0	14.86	14.98	14.92	0
		3	1	14.87	15.01	15.14	0
		3	3	14.93	14.92	14.99	0
		6	0	14.81	14.82	15.05	0
	256QAM	1	0	14.89	15.02	14.97	0
		1	3	14.88	15.03	15.09	0
		1	5	14.83	14.95	14.84	0
		3	0	14.90	15.00	15.00	0
		3	1	14.84	14.91	14.96	0
		3	3	15.00	14.88	14.97	0
		6	0	14.88	14.91	15.00	0

10.2.2.7 LTE Band 66 (Ant.2)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 072	132 322	132 572	
				1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	QPSK	1	0	14.74	14.90	14.86	0
		1	49	14.87	14.94	14.85	0
		1	99	14.88	14.98	14.90	0
		50	0	14.78	14.97	14.96	0
		50	24	14.81	15.00	14.97	0
		50	50	14.79	14.94	14.89	0
		100	0	14.69	14.97	14.96	0
	16QAM	1	0	14.93	14.78	14.98	0
		1	49	14.99	14.96	14.91	0
		1	99	14.73	14.78	15.01	0
		50	0	14.74	14.78	14.84	0
		50	24	14.71	14.83	14.83	0
		50	50	14.67	14.79	14.89	0
		100	0	14.64	14.81	14.86	0
	64QAM	1	0	14.67	14.91	14.79	0
		1	49	14.85	15.03	14.84	0
		1	99	14.86	14.81	14.90	0
		50	0	14.60	14.83	14.73	0
		50	24	14.76	14.58	14.75	0
		50	50	14.67	14.70	14.73	0
		100	0	14.62	14.69	14.85	0
	256QAM	1	0	14.57	14.74	14.80	0
		1	49	14.68	15.00	14.76	0
		1	99	14.67	14.86	14.94	0
		50	0	14.65	14.69	14.62	0
		50	24	14.63	14.85	14.74	0
		50	50	14.68	14.72	14.74	0
		100	0	14.60	14.75	14.78	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 047	132 322	132 597	
				1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	QPSK	1	0	14.70	14.89	15.12	0
		1	36	14.96	14.92	14.92	0
		1	74	14.52	14.79	14.42	0
		36	0	14.86	14.95	14.83	0
		36	18	14.65	15.01	14.88	0
		36	37	14.91	14.90	14.85	0
		75	0	14.80	15.03	15.18	0
	16QAM	1	0	14.71	15.06	14.89	0
		1	36	14.12	14.89	14.97	0
		1	74	14.55	14.99	14.70	0
		36	0	14.71	14.91	14.97	0
		36	18	14.75	14.85	15.11	0
		36	37	14.74	14.94	14.87	0
		75	0	14.78	14.92	15.05	0
	64QAM	1	0	14.89	14.98	14.98	0
		1	36	14.90	14.95	15.07	0
		1	74	14.64	14.83	14.93	0
		36	0	14.85	14.87	14.78	0
		36	18	14.74	14.93	15.06	0
		36	37	14.59	14.90	14.85	0
		75	0	14.71	14.87	14.90	0
	256QAM	1	0	14.72	14.92	15.06	0
		1	36	14.77	14.95	14.86	0
		1	74	14.70	14.84	15.02	0
		36	0	14.64	14.82	14.89	0
		36	18	14.65	14.83	15.02	0
		36	37	14.44	14.65	14.83	0
		75	0	14.47	14.63	14.97	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 022	132 322	132 622	
				1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	QPSK	1	0	14.92	14.98	15.15	0
		1	25	15.19	15.05	15.03	0
		1	49	14.62	14.90	14.65	0
		25	0	14.85	15.02	14.97	0
		25	12	14.74	15.04	14.98	0
		25	25	14.93	14.99	15.12	0
		50	0	14.89	15.08	15.09	0
	16QAM	1	0	14.74	14.89	14.84	0
		1	25	14.97	15.10	15.15	0
		1	49	14.81	15.12	14.74	0
		25	0	14.75	14.93	14.95	0
		25	12	14.83	14.93	14.92	0
		25	25	14.63	14.96	14.86	0
		50	0	14.91	14.99	14.97	0
	64QAM	1	0	14.81	15.04	15.02	0
		1	25	15.04	15.01	14.89	0
		1	49	15.01	15.08	14.97	0
		25	0	14.83	14.94	15.00	0
		25	12	14.80	14.98	14.93	0
		25	25	14.94	15.01	14.84	0
		50	0	14.78	14.99	14.97	0
	256QAM	1	0	14.80	14.91	14.92	0
		1	25	14.81	14.92	14.65	0
		1	49	14.83	14.97	14.93	0
		25	0	14.87	14.98	15.05	0
		25	12	14.89	15.08	15.25	0
		25	25	14.65	14.77	14.93	0
		50	0	15.18	15.21	15.31	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 997	132 322	132 647	
				1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	QPSK	1	0	14.86	15.07	15.09	0
		1	12	15.20	15.06	14.97	0
		1	24	15.00	15.08	14.89	0
		12	0	14.90	15.01	15.03	0
		12	7	14.69	15.05	14.94	0
		12	13	15.09	15.07	14.97	0
		25	0	14.90	15.08	15.01	0
	16QAM	1	0	14.86	14.98	14.79	0
		1	12	14.42	15.01	14.99	0
		1	24	14.66	15.03	14.55	0
		12	0	14.76	14.88	14.93	0
		12	7	14.78	14.97	15.08	0
		12	13	14.74	15.02	14.86	0
		25	0	14.89	14.94	15.22	0
	64QAM	1	0	14.68	14.88	14.79	0
		1	12	15.02	15.00	15.06	0
		1	24	14.64	14.94	15.01	0
		12	0	15.01	15.01	15.03	0
		12	7	14.97	14.97	14.97	0
		12	13	14.96	15.02	14.98	0
		25	0	14.82	14.92	14.88	0
	256QAM	1	0	14.51	14.73	14.85	0
		1	12	14.66	14.75	14.37	0
		1	24	14.64	14.70	14.72	0
		12	0	14.55	14.76	14.90	0
		12	7	14.61	14.74	14.75	0
		12	13	14.62	14.83	15.00	0
		25	0	14.75	14.89	14.92	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 987	132 322	132 657	
				1 711.5 MHz	1 745.0 MHz	1 778.5 MHz	
3 MHz	QPSK	1	0	14.89	14.93	14.99	0
		1	8	15.01	15.03	15.08	0
		1	14	14.56	14.86	14.59	0
		8	0	14.70	14.92	14.86	0
		8	4	14.55	15.03	14.90	0
		8	7	14.97	15.09	15.08	0
		15	0	14.75	14.97	14.86	0
	16QAM	1	0	15.00	15.01	14.89	0
		1	8	14.77	15.05	15.00	0
		1	14	14.74	14.99	14.47	0
		8	0	14.74	14.92	15.06	0
		8	4	14.83	14.92	15.08	0
		8	7	14.78	14.94	14.89	0
		15	0	14.78	14.96	15.05	0
	64QAM	1	0	14.57	14.86	14.84	0
		1	8	15.13	15.20	15.26	0
		1	14	14.76	14.81	14.81	0
		8	0	14.86	14.96	15.00	0
		8	4	14.85	14.95	14.82	0
		8	7	14.90	15.02	14.94	0
		15	0	14.70	14.99	15.04	0
	256QAM	1	0	14.63	14.77	14.93	0
		1	8	14.94	14.92	14.77	0
		1	14	14.64	14.67	14.68	0
		8	0	14.82	14.85	14.85	0
		8	4	14.57	14.75	14.90	0
		8	7	14.89	14.97	15.10	0
		15	0	14.68	14.81	14.93	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 979	132 322	132 665	
				1 710.7 MHz	1 745.0 MHz	1 779.3 MHz	
1.4 MHz	QPSK	1	0	14.88	14.97	14.98	0
		1	3	14.95	15.01	15.11	0
		1	5	14.78	14.96	14.74	0
		3	0	14.84	14.98	14.85	0
		3	1	14.97	15.09	14.89	0
		3	3	14.86	15.04	15.02	0
		6	0	14.77	15.02	15.00	0
	16QAM	1	0	14.69	15.03	14.75	0
		1	3	14.69	15.02	14.96	0
		1	5	14.39	14.79	14.30	0
		3	0	14.79	14.82	14.90	0
		3	1	14.78	14.91	14.97	0
		3	3	14.73	14.98	14.92	0
		6	0	14.91	15.02	15.15	0
	64QAM	1	0	14.52	14.87	14.92	0
		1	3	14.92	14.89	14.81	0
		1	5	14.82	15.06	15.06	0
		3	0	15.12	14.98	15.02	0
		3	1	14.69	14.88	14.89	0
		3	3	14.67	14.85	14.94	0
		6	0	14.72	14.94	15.04	0
	256QAM	1	0	14.59	14.76	14.81	0
		1	3	14.73	14.86	14.67	0
		1	5	14.70	14.58	14.44	0
		3	0	14.62	14.75	14.64	0
		3	1	14.68	14.82	15.04	0
		3	3	14.67	14.79	14.82	0
		6	0	14.55	14.60	14.64	0

10.2.3 5G NR Average Conducted Output Power

10.2.3.1 NR n2(NSA) (Ant.0)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					372000	376000	380000	
					1 860.0 MHz	1 880.0MHz	1 900.0MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.61	16.65	16.64	0
			1	53	16.62	16.70	16.57	0
			1	104	16.60	16.64	16.56	0
			50	0	16.62	16.71	16.68	0
			50	28	16.67	16.72	16.71	0
			50	56	16.73	16.74	16.65	0
			100	0	16.57	16.78	16.70	0
		QPSK	1	1	16.60	16.61	16.69	0
			1	53	16.76	16.74	16.75	0
			1	104	16.63	16.69	16.59	0
			50	0	16.64	16.72	16.73	0
			50	28	16.79	16.78	16.76	0
			50	56	16.76	16.76	16.66	0
			100	0	16.75	16.72	16.70	0
		16QAM	1	1	16.51	16.68	16.71	0
		64QAM	1	1	16.80	16.83	16.94	0
		256QAM	1	1	16.11	16.09	16.21	0
	CP-OFDM	QPSK	1	1	16.82	16.80	16.81	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371500	376000	380500	
					1857.5 MHz	1 880.0MHz	1 902.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.57	16.64	16.59	0
			1	40	16.72	16.77	16.58	0
			1	77	16.69	16.74	16.57	0
			36	0	16.65	16.72	16.61	0
			36	22	16.85	16.81	16.81	0
			36	43	16.70	16.70	16.60	0
			75	0	16.39	16.68	16.62	0
		QPSK	1	1	16.63	16.59	16.70	0
			1	40	16.58	16.61	16.44	0
			1	77	16.69	16.67	16.64	0
			36	0	16.56	16.79	16.82	0
			36	22	16.58	16.72	16.67	0
			36	43	16.66	16.73	16.58	0
			75	0	16.66	16.75	16.80	0
		16QAM	1	1	16.43	16.59	16.58	0
		64QAM	1	1	16.67	16.80	16.87	0
		256QAM	1	1	16.02	16.08	16.30	0
	CP-OFDM	QPSK	1	1	16.72	16.76	16.65	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371000	376000	381000	
					1 855.0 MHz	1 880.0MHz	1 905.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.36	16.49	16.43	0
			1	26	16.43	16.48	16.26	0
			1	50	16.33	16.42	16.26	0
			25	0	16.58	16.60	16.49	0
			25	14	16.50	16.53	16.42	0
			25	27	16.44	16.54	16.44	0
			50	0	16.30	16.53	16.46	0
		QPSK	1	1	16.52	16.43	16.64	0
			1	26	16.49	16.46	16.29	0
			1	50	16.16	16.31	16.31	0
			25	0	16.34	16.51	16.48	0
			25	14	16.45	16.48	16.52	0
			25	27	16.32	16.49	16.49	0
			50	0	16.35	16.50	16.45	0
		16QAM	1	1	16.25	16.52	16.45	0
		64QAM	1	1	16.77	16.72	16.91	0
		256QAM	1	1	16.06	16.00	16.08	0
	CP-OFDM	QPSK	1	1	16.57	16.57	16.49	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					370500	376000	381500	
					1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.50	16.45	16.38	0
			1	13	16.32	16.47	16.25	0
			1	23	16.34	16.38	16.21	0
			12	0	16.43	16.51	16.55	0
			12	7	16.45	16.57	16.61	0
			12	13	16.49	16.42	16.42	0
			25	0	16.44	16.57	16.53	0
		QPSK	1	1	16.42	16.46	16.67	0
			1	13	16.35	16.47	16.30	0
			1	23	16.39	16.35	16.31	0
			12	0	16.41	16.56	16.69	0
			12	7	16.29	16.49	16.36	0
			12	13	16.46	16.48	16.36	0
			25	0	16.28	16.50	16.53	0
		16QAM	1	1	16.37	16.53	16.48	0
		64QAM	1	1	16.66	16.71	16.74	0
		256QAM	1	1	16.01	16.06	16.16	0
	CP-OFDM	QPSK	1	1	16.41	16.49	16.46	0

10.2.3.2 NR n2(NSA) (Ant.2)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					372000	376000	380000	
					1 860.0 MHz	1 880.0MHz	1 900.0MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.66	16.74	16.70	0
			1	53	16.78	16.79	16.68	0
			1	104	16.70	16.71	16.64	0
			50	0	16.64	16.76	16.72	0
			50	28	16.70	16.85	16.66	0
			50	56	16.68	16.84	16.60	0
			100	0	16.73	16.92	16.70	0
		QPSK	1	1	16.69	16.80	16.72	0
			1	53	16.83	16.81	16.74	0
			1	104	16.76	16.80	16.73	0
			50	0	16.69	16.74	16.60	0
			50	28	16.86	16.76	16.64	0
			50	56	16.74	16.70	16.60	0
			100	0	16.82	16.81	16.66	0
		16QAM	1	1	16.66	16.71	16.73	0
		64QAM	1	1	16.86	16.91	16.97	0
		256QAM	1	1	16.22	16.15	16.14	0
	CP-OFDM	QPSK	1	1	16.79	16.75	16.78	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371500	376000	380500	
					1857.5 MHz	1 880.0MHz	1 902.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.75	16.85	16.75	0
			1	40	16.86	16.77	16.76	0
			1	77	16.69	16.72	16.65	0
			36	0	16.78	16.84	16.81	0
			36	22	16.77	16.86	16.69	0
			36	43	16.62	16.81	16.55	0
			75	0	16.48	16.73	16.44	0
		QPSK	1	1	16.81	16.82	16.82	0
			1	40	16.74	16.76	16.72	0
			1	77	16.65	16.75	16.68	0
			36	0	16.73	16.77	16.69	0
			36	22	16.88	16.77	16.64	0
			36	43	16.86	16.75	16.73	0
			75	0	16.76	16.74	16.55	0
		16QAM	1	1	16.74	16.76	16.69	0
		64QAM	1	1	16.86	16.92	16.93	0
		256QAM	1	1	16.30	16.27	16.33	0
	CP-OFDM	QPSK	1	1	16.81	16.83	16.96	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					371000	376000	381000	
					1 855.0 MHz	1 880.0MHz	1 905.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.49	16.54	16.41	0
			1	26	16.44	16.48	16.29	0
			1	50	16.72	16.63	16.66	0
			25	0	16.54	16.59	16.63	0
			25	14	16.45	16.58	16.36	0
			25	27	16.46	16.53	16.35	0
			50	0	16.30	16.54	16.36	0
		QPSK	1	1	16.51	16.59	16.56	0
			1	26	16.47	16.52	16.52	0
			1	50	16.59	16.55	16.46	0
			25	0	16.54	16.62	16.46	0
			25	14	16.65	16.58	16.36	0
			25	27	16.66	16.55	16.36	0
			50	0	16.52	16.55	16.39	0
		16QAM	1	1	16.62	16.62	16.74	0
		64QAM	1	1	16.54	16.67	16.77	0
		256QAM	1	1	16.16	16.04	16.00	0
	CP-OFDM	QPSK	1	1	16.55	16.57	16.68	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					370500	376000	381500	
					1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	16.52	16.54	16.43	0
			1	13	16.64	16.60	16.51	0
			1	23	16.48	16.49	16.47	0
			12	0	16.44	16.60	16.57	0
			12	7	16.28	16.53	16.37	0
			12	13	16.34	16.51	16.33	0
			25	0	16.27	16.56	16.42	0
		QPSK	1	1	16.49	16.57	16.56	0
			1	13	16.59	16.52	16.40	0
			1	23	16.45	16.49	16.51	0
			12	0	16.50	16.56	16.50	0
			12	7	16.56	16.54	16.34	0
			12	13	16.56	16.50	16.45	0
			25	0	16.65	16.55	16.32	0
		16QAM	1	1	16.57	16.57	16.59	0
		64QAM	1	1	16.68	16.73	16.70	0
		256QAM	1	1	16.15	16.06	16.05	0
	CP-OFDM	QPSK	1	1	16.58	16.55	16.61	0

10.2.3.3 NR n5(NSA)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					167 300	
					836.5 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	22.45	0
			1	53	22.47	0
			1	104	22.39	0
			50	0	22.38	0
			50	28	22.60	0
			50	56	22.52	0
			100	0	22.46	0
		QPSK	1	1	22.32	0
			1	53	22.55	0
			1	104	22.29	0
			50	0	22.44	0
			50	28	22.63	0
			50	56	22.47	0
			100	0	22.53	0
		16QAM	1	1	22.29	0
		64QAM	1	1	22.26	0.5
		256QAM	1	1	19.54	2.5
	CP-OFDM	QPSK	1	1	22.41	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					167 300	
					836.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	22.37	0
			1	40	22.46	0
			1	77	22.50	0
			36	0	22.49	0
			36	22	22.56	0
			36	43	22.57	0
			75	0	22.43	0
		QPSK	1	1	22.34	0
			1	40	22.40	0
			1	77	22.36	0
			36	0	22.45	0
			36	22	22.63	0
			36	43	22.51	0
			75	0	22.45	0
		16QAM	1	1	22.39	0
		64QAM	1	1	22.29	0.5
		256QAM	1	1	19.49	2.5
	CP-OFDM	QPSK	1	1	22.46	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					167 300	
					836.5 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	21.75	0
			1	26	21.87	0
			1	50	21.94	0
			25	0	21.82	0
			25	14	21.78	0
			25	27	21.82	0
			50	0	21.84	0
		QPSK	1	1	21.69	0
			1	26	21.78	0
			1	50	21.85	0
			25	0	21.90	0
			25	14	21.86	0
			25	27	21.78	0
			50	0	21.83	0
		16QAM	1	1	21.86	0
		64QAM	1	1	21.50	0.5
		256QAM	1	1	19.43	2.5
	CP-OFDM	QPSK	1	1	21.73	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					165300	167300	169300	
					826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	21.77	21.84	21.70	0
			1	13	21.69	21.87	21.88	0
			1	23	21.93	21.92	21.88	0
			12	0	21.81	21.83	21.95	0
			12	7	21.69	21.96	21.96	0
			12	13	21.84	21.87	21.88	0
			25	0	21.87	21.85	21.99	0
		QPSK	1	1	21.76	21.89	22.02	0
			1	13	21.45	21.80	21.76	0
			1	23	22.04	21.93	22.07	0
			12	0	21.78	21.86	21.80	0
			12	7	21.60	21.83	21.75	0
			12	13	21.82	21.84	21.89	0
			25	0	21.75	21.84	21.91	0
		16QAM	1	1	22.00	21.96	22.05	0
		64QAM	1	1	21.69	21.70	21.69	0.5
		256QAM	1	1	19.00	19.07	19.13	2.5
	CP-OFDM	QPSK	1	1	22.00	21.97	21.84	0

10.2.3.4 NR n66 (NSA) (Ant.0)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					349000	
					1 745.0 MHz	
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	14.89	0
			1	80	14.87	0
			1	158	14.92	0
			80	0	15.05	0
			80	40	15.01	0
			80	80	14.94	0
			160	0	15.02	0
		QPSK	1	1	14.92	0
			1	80	14.91	0
			1	158	14.94	0
			80	0	15.06	0
			80	40	14.99	0
			80	80	14.99	0
			160	0	14.92	0
		16QAM	1	1	14.78	0
		64QAM	1	1	15.05	0
		256QAM	1	1	14.54	0
	CP-OFDM	QPSK	1	1	14.92	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					344000	349000	354000	
					1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	14.85	15.00	14.97	0
			1	53	14.90	14.99	14.99	0
			1	104	15.04	14.94	14.85	0
			50	0	14.97	15.04	14.91	0
			50	28	14.77	14.92	14.94	0
			50	56	14.99	14.95	14.83	0
			100	0	14.87	15.02	15.00	0
		QPSK	1	1	14.74	14.98	15.02	0
			1	53	15.07	14.96	15.07	0
			1	104	15.02	14.98	14.88	0
			50	0	14.92	14.94	14.84	0
			50	28	14.93	15.02	14.86	0
			50	56	14.97	14.92	14.75	0
			100	0	14.93	15.01	14.93	0
		16QAM	1	1	15.06	14.96	15.05	0
		64QAM	1	1	15.03	15.22	15.32	0
		256QAM	1	1	14.21	14.38	14.34	0
	CP-OFDM	QPSK	1	1	15.12	15.11	14.97	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343500	349000	354500	
					1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	15.02	14.99	14.90	0
			1	40	14.95	14.88	14.81	0
			1	77	15.01	15.02	14.93	0
			36	0	15.11	15.05	15.08	0
			36	22	14.93	15.03	15.05	0
			36	43	14.92	14.96	14.92	0
			75	0	15.00	14.99	15.05	0
		QPSK	1	1	14.80	15.01	14.92	0
			1	40	14.98	15.03	14.95	0
			1	77	15.07	14.98	14.95	0
			36	0	15.05	14.98	14.71	0
			36	22	15.02	15.03	14.98	0
			36	43	15.05	15.00	14.86	0
			75	0	14.83	14.94	14.87	0
		16QAM	1	1	15.04	15.01	15.09	0
		64QAM	1	1	15.16	15.22	15.19	0
		256QAM	1	1	14.37	14.48	14.30	0
	CP-OFDM	QPSK	1	1	14.94	15.06	14.98	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343000	349000	355000	
					1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	15.25	15.29	15.35	0
			1	26	15.22	15.23	15.22	0
			1	50	15.20	15.26	15.15	0
			25	0	15.40	15.36	15.30	0
			25	14	15.14	15.29	15.17	0
			25	27	15.20	15.27	15.25	0
			50	0	15.33	15.32	15.27	0
		QPSK	1	1	15.11	15.22	15.20	0
			1	26	15.22	15.15	15.13	0
			1	50	15.21	15.15	15.18	0
			25	0	15.22	15.32	15.04	0
			25	14	15.41	15.36	15.22	0
			25	27	15.31	15.25	15.13	0
			50	0	15.30	15.30	15.33	0
		16QAM	1	1	15.22	15.23	15.35	0
		64QAM	1	1	15.24	15.34	15.29	0
		256QAM	1	1	14.49	14.69	14.68	0
	CP-OFDM	QPSK	1	1	15.29	15.39	15.35	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					342500	349000	355500	
					1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	14.77	14.80	14.81	0
			1	13	14.94	14.92	15.02	0
			1	23	14.91	14.87	14.79	0
			12	0	14.67	14.73	14.59	0
			12	7	14.76	14.77	14.63	0
			12	13	14.96	14.87	14.89	0
			25	0	14.89	14.92	14.93	0
		QPSK	1	1	14.69	14.79	14.79	0
			1	13	14.84	14.80	14.75	0
			1	23	14.97	14.92	14.90	0
			12	0	14.91	14.83	14.67	0
			12	7	14.69	14.74	14.71	0
			12	13	15.00	14.86	14.84	0
			25	0	14.90	14.86	14.75	0
		16QAM	1	1	14.84	14.78	14.91	0
		64QAM	1	1	14.74	14.96	14.87	0
		256QAM	1	1	14.04	14.25	14.23	0
	CP-OFDM	QPSK	1	1	14.85	14.93	14.77	0

10.2.3.5 NR n66 (NSA) (Ant.2)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					349000	
					1 745.0 MHz	
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	15.03	0
			1	80	14.93	0
			1	158	14.96	0
			80	0	15.04	0
			80	40	14.91	0
			80	80	14.97	0
			160	0	15.01	0
		QPSK	1	1	14.98	0
			1	80	15.04	0
			1	158	15.01	0
			80	0	15.06	0
			80	40	15.00	0
			80	80	14.92	0
			160	0	15.03	0
		16QAM	1	1	14.95	0
		64QAM	1	1	15.06	0
		256QAM	1	1	14.60	0
	CP-OFDM	QPSK	1	1	15.03	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					344000	349000	354000	
					1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	15.24	15.24	15.02	0
			1	53	15.19	15.27	15.07	0
			1	104	15.33	15.29	15.18	0
			50	0	15.32	15.31	15.20	0
			50	28	15.45	15.33	15.38	0
			50	56	15.27	15.26	15.17	0
			100	0	15.29	15.30	15.36	0
		QPSK	1	1	15.30	15.25	15.34	0
			1	53	15.16	15.29	15.04	0
			1	104	15.11	15.20	15.10	0
			50	0	15.13	15.29	15.24	0
			50	28	15.22	15.27	15.03	0
			50	56	15.24	15.21	15.27	0
			100	0	15.30	15.28	15.21	0
		16QAM	1	1	15.16	15.25	15.13	0
		64QAM	1	1	15.45	15.45	15.40	0
		256QAM	1	1	14.72	14.85	15.01	0
	CP-OFDM	QPSK	1	1	15.10	15.20	14.88	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343500	349000	354500	
					1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	15.27	15.21	15.00	0
			1	40	15.25	15.17	14.98	0
			1	77	15.08	15.18	15.01	0
			36	0	15.24	15.28	15.18	0
			36	22	15.26	15.25	15.21	0
			36	43	15.29	15.26	15.23	0
			75	0	15.24	15.25	15.33	0
		QPSK	1	1	15.05	15.19	15.20	0
			1	40	15.00	15.16	14.91	0
			1	77	15.15	15.24	15.12	0
			36	0	15.27	15.26	15.19	0
			36	22	15.31	15.23	15.07	0
			36	43	15.23	15.18	15.15	0
			75	0	15.32	15.32	15.31	0
		16QAM	1	1	15.12	15.20	15.05	0
		64QAM	1	1	15.51	15.48	15.52	0
		256QAM	1	1	14.67	14.76	14.79	0
	CP-OFDM	QPSK	1	1	15.25	15.33	15.14	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					343000	349000	355000	
					1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	14.78	14.75	14.50	0
			1	26	14.82	14.82	14.71	0
			1	50	14.67	14.78	14.62	0
			25	0	14.93	14.89	14.79	0
			25	14	14.94	14.84	14.89	0
			25	27	14.97	14.90	14.99	0
			50	0	14.84	14.90	14.92	0
		QPSK	1	1	14.88	14.88	14.99	0
			1	26	14.73	14.79	14.54	0
			1	50	14.74	14.79	14.78	0
			25	0	14.76	14.81	14.68	0
			25	14	14.81	14.90	14.84	0
			25	27	14.90	14.90	14.91	0
			50	0	14.85	14.86	14.66	0
		16QAM	1	1	14.70	14.82	14.70	0
		64QAM	1	1	14.88	15.02	15.05	0
		256QAM	1	1	14.39	14.43	14.51	0
	CP-OFDM	QPSK	1	1	14.59	14.79	14.51	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					342500	349000	355500	
					1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	14.89	14.85	14.75	0
			1	13	14.77	14.77	14.58	0
			1	23	14.76	14.77	14.56	0
			12	0	14.89	14.87	14.87	0
			12	7	14.84	14.85	14.92	0
			12	13	15.00	14.87	14.90	0
			25	0	14.91	14.89	14.83	0
		QPSK	1	1	14.81	14.77	14.86	0
			1	13	14.69	14.77	14.63	0
			1	23	14.71	14.76	14.66	0
			12	0	14.75	14.86	14.74	0
			12	7	14.72	14.82	14.58	0
			12	13	14.91	14.88	14.95	0
			25	0	14.85	14.83	14.82	0
		16QAM	1	1	14.77	14.86	14.67	0
		64QAM	1	1	14.90	15.03	14.96	0
		256QAM	1	1	14.30	14.35	14.37	0
	CP-OFDM	QPSK	1	1	14.59	14.81	14.64	0

10.1.2.6 NR n77 DoD(NSA)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					633334	
					3500.01 MHz	
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.23	0
			1	137	11.19	0
			1	271	11.34	0
			135	0	11.28	0
			135	69	11.25	0
			135	138	11.20	0
			270	0	11.19	0
		QPSK	1	1	11.26	0
			1	137	11.24	0
			1	271	11.35	0
			135	0	11.29	0
			135	69	11.24	0
			135	138	11.19	0
			270	0	11.20	0
		16QAM	1	1	11.51	0
		64QAM	1	1	11.42	0
		256QAM	1	1	11.26	0
	CP-OFDM	QPSK	1	1	11.16	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					633334	
					3500.01 MHz	
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.23	0
			1	109	11.19	0
			1	215	11.20	0
			108	0	11.21	0
			108	55	11.26	0
			108	109	11.29	0
			216	0	11.19	0
		QPSK	1	1	11.25	0
			1	109	11.15	0
			1	215	11.22	0
			108	0	11.23	0
			108	55	11.23	0
			108	109	11.31	0
			216	0	11.19	0
		16QAM	1	1	11.46	0
		64QAM	1	1	11.42	0
		256QAM	1	1	11.25	0
	CP-OFDM	QPSK	1	1	11.12	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power	MPR
					633334	
					3500.01 MHz	
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	11.23	0
			1	81	11.26	0
			1	160	11.29	0
			81	0	11.35	0
			81	41	11.28	0
			81	81	11.32	0
			162	0	11.29	0
		QPSK	1	1	11.35	0
			1	81	11.28	0
			1	160	11.30	0
			81	0	11.36	0
			81	41	11.31	0
			81	81	11.33	0
			162	0	11.33	0
		16QAM	1	1	11.63	0
		64QAM	1	1	11.51	0
		256QAM	1	1	11.36	0
	CP-OFDM	QPSK	1	1	11.23	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power		MPR
					631334	635332	
					3470.01 MHz	3529.98 MHz	
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.46	11.42	0
			1	53	11.34	11.32	0
			1	104	11.48	11.45	0
			50	0	11.42	11.43	0
			50	28	11.29	11.37	0
			50	56	11.38	11.35	0
			100	0	11.41	11.38	0
		QPSK	1	1	11.44	11.44	0
			1	53	11.38	11.36	0
			1	104	11.43	11.51	0
			50	0	11.42	11.43	0
			50	28	11.28	11.33	0
			50	56	11.33	11.34	0
			100	0	11.39	11.38	0
		16QAM	1	1	11.65	11.66	0
		64QAM	1	1	11.55	11.65	0
		256QAM	1	1	11.49	11.50	0
	CP-OFDM	QPSK	1	1	11.31	11.42	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					631000	633334	635666	
					3465.00 MHz	3500.01 MHz	3534.99 MHz	
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.43	11.49	11.45	0
			1	39	11.31	11.34	11.41	0
			1	76	11.36	11.43	11.38	0
			36	0	11.46	11.37	11.30	0
			36	21	11.28	11.39	11.32	0
			36	42	11.37	11.39	11.33	0
			75	0	11.41	11.38	11.29	0
		QPSK	1	1	11.39	11.47	11.42	0
			1	39	11.33	11.38	11.40	0
			1	76	11.32	11.48	11.38	0
			36	0	11.50	11.38	11.40	0
			36	21	11.29	11.41	11.32	0
			36	42	11.36	11.44	11.36	0
			75	0	11.44	11.38	11.40	0
		16QAM	1	1	11.61	11.65	11.69	0
		64QAM	1	1	11.62	11.67	11.67	0
		256QAM	1	1	11.48	11.43	11.51	0
	CP-OFDM	QPSK	1	1	11.44	11.41	11.43	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					630668	633334	636000	
					3460.02 MHz	3500.01 MHz	3540.00 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.50	11.39	11.42	0
			1	26	11.44	11.34	11.47	0
			1	49	11.47	11.29	11.31	0
			25	0	11.36	11.24	11.24	0
			25	13	11.14	11.43	11.28	0
			25	26	11.42	11.35	11.42	0
			50	0	11.38	11.36	11.31	0
		QPSK	1	1	11.35	10.75	11.27	0
			1	26	11.34	11.36	11.40	0
			1	49	11.44	11.39	11.30	0
			25	0	11.59	11.31	11.36	0
			25	13	11.30	11.37	11.38	0
			25	26	11.45	11.42	11.31	0
			50	0	11.46	11.30	11.38	0
		16QAM	1	1	11.64	11.59	11.64	0
		64QAM	1	1	11.47	11.44	11.50	0
		256QAM	1	1	11.50	11.33	11.53	0
	CP-OFDM	QPSK	1	1	11.29	11.23	11.21	0

10.2.3.7 NR n77 (NSA)

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power		MPR
					650000	662000	
					3750.00 MHz	3930.00 MHz	
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	10.93	10.98	0
			1	137	11.05	11.14	0
			1	271	10.95	11.17	0
			135	0	10.89	11.06	0
			135	69	10.93	11.11	0
			135	138	10.90	11.06	0
			270	0	10.94	11.04	0
		QPSK	1	1	10.89	10.99	0
			1	137	10.98	11.15	0
			1	271	10.92	11.13	0
			135	0	10.94	11.04	0
			135	69	10.97	11.10	0
			135	138	10.87	11.07	0
			270	0	10.93	11.05	0
		16QAM	1	1	11.11	11.30	0
		64QAM	1	1	11.00	11.22	0
		256QAM	1	1	10.90	11.00	0
	CP-OFDM	QPSK	1	1	10.85	10.97	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power			MPR
					649334	656000	662666	
					3740.01 MHz	3840.00 MHz	3939.99 MHz	
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	10.92	10.98	10.98	0
			1	109	10.87	10.87	10.97	0
			1	215	10.82	10.92	10.90	0
			108	0	10.80	10.82	10.94	0
			108	55	10.84	10.81	11.00	0
			108	109	10.91	10.96	10.95	0
			216	0	10.82	10.85	10.96	0
		QPSK	1	1	10.96	10.91	11.00	0
			1	109	10.92	11.01	11.09	0
			1	215	10.80	10.81	10.94	0
			108	0	10.87	10.87	11.16	0
			108	55	10.95	10.91	11.18	0
			108	109	10.90	10.86	11.02	0
			216	0	10.83	11.13	11.04	0
		16QAM	1	1	11.10	11.13	11.10	0
		64QAM	1	1	11.06	11.20	11.18	0
		256QAM	1	1	10.93	11.04	10.91	0
	CP-OFDM	QPSK	1	1	10.87	10.89	10.93	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power				MPR
					648668	653556	658444	663332	
					3730.02 MHz	3803.34 MHz	3876.66 MHz	3949.98 MHz	
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.08	11.11	10.98	11.09	0
			1	81	11.04	11.12	11.06	11.11	0
			1	160	11.12	11.19	11.16	11.13	0
			81	0	11.03	10.98	10.97	10.99	0
			81	41	11.08	11.10	11.12	11.17	0
			81	81	11.03	11.07	11.09	11.26	0
			162	0	11.05	11.13	11.11	11.02	0
		QPSK	1	1	11.01	11.05	11.07	11.04	0
			1	81	11.08	11.17	11.35	11.36	0
			1	160	11.14	11.21	11.15	11.19	0
			81	0	11.05	11.08	11.07	11.05	0
			81	41	11.07	11.18	11.02	11.01	0
			81	81	11.00	11.07	10.99	11.06	0
			162	0	11.13	11.18	11.21	11.11	0
		16QAM	1	1	11.24	11.14	10.95	11.11	0
		64QAM	1	1	11.13	11.17	11.11	11.05	0
		256QAM	1	1	11.08	11.09	11.04	10.90	0
	CP-OFDM	QPSK	1	1	11.03	11.13	11.00	11.00	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power (dBm)						MPR
					648000	651200	654400	657600	660800	664000	
					3720.00 MHz	3768.00 MHz	3816.00 MHz	3864.00 MHz	3912.00 MHz	3960.00 MHz	
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.12	11.26	11.23	11.17	11.22	11.14	0
			1	53	11.21	11.14	11.15	11.34	11.42	11.27	0
			1	104	11.15	11.15	11.17	11.20	11.14	11.18	0
			50	0	11.20	11.38	11.32	11.27	11.33	11.27	0
			50	28	11.10	11.14	11.10	11.08	11.19	11.14	0
			50	56	11.17	11.27	11.23	11.28	11.22	11.20	0
			100	0	11.16	11.26	11.25	11.14	11.22	11.15	0
		QPSK	1	1	11.08	11.26	11.10	11.16	11.22	11.17	0
			1	53	11.14	11.16	10.99	11.24	11.29	11.24	0
			1	104	11.11	11.05	11.16	11.14	11.13	11.14	0
			50	0	11.04	11.24	11.27	11.13	11.15	11.14	0
			50	28	11.08	11.19	11.13	11.23	11.20	11.18	0
			50	56	11.12	11.23	11.15	11.16	11.13	11.26	0
			100	0	11.16	11.27	11.28	11.19	11.10	11.33	0
		16QAM	1	1	11.34	11.40	11.34	11.29	11.41	11.38	0
		64QAM	1	1	11.26	11.35	11.44	11.27	11.26	11.23	0
		256QAM	1	1	11.22	11.36	11.23	11.21	11.21	11.29	0
	CP-OFDM	QPSK	1	1	11.16	11.30	11.23	11.22	11.21	11.12	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power (dBm)						MPR
					647668	651000	654334	657666	661000	664332	
					3715.02 MHz	3765.00 MHz	3815.01 MHz	3864.99 MHz	3915.00 MHz	3964.98 MHz	
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.25	11.20	11.34	11.23	11.30	11.31	0
			1	39	11.17	11.19	11.31	11.28	11.26	11.17	0
			1	76	11.20	11.31	11.25	11.27	11.29	11.33	0
			36	0	11.22	11.27	11.23	11.23	11.36	11.17	0
			36	21	11.18	11.19	11.18	11.25	11.23	11.21	0
			36	42	11.14	11.25	11.15	11.23	11.21	11.21	0
			75	0	11.25	11.27	11.27	11.25	11.28	11.20	0
		QPSK	1	1	11.24	11.36	11.31	11.30	11.38	11.36	0
			1	39	11.21	11.23	11.30	11.25	11.12	11.28	0
			1	76	11.18	11.14	11.09	11.15	11.12	11.08	0
			36	0	11.26	11.35	11.33	11.32	11.25	11.22	0
			36	21	11.20	11.21	11.27	11.29	11.20	11.28	0
			36	42	11.18	11.21	11.24	11.17	11.26	11.23	0
			75	0	11.23	11.29	11.29	11.20	11.23	11.27	0
		16QAM	1	1	11.39	11.46	11.45	11.29	11.39	11.45	0
		64QAM	1	1	11.34	11.45	11.49	11.39	11.45	11.49	0
		256QAM	1	1	11.28	11.43	11.46	11.28	11.38	11.43	0
	CP-OFDM	QPSK	1	1	11.23	11.23	11.26	11.23	11.31	11.26	0

Band width	Modulation	Mode	RB Size	RB offset	Maximum Average Power (dBm)						MPR
					647334	650800	654266	657734	661200	664666	
					3710.01 MHz	3762.00 MHz	3813.99 MHz	3866.01 MHz	3918.00 MHz	3969.99 MHz	
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	11.26	11.33	11.32	11.26	11.32	11.29	0
			1	26	11.18	11.26	11.25	11.29	11.26	11.36	0
			1	49	11.19	11.19	11.21	11.19	11.21	11.23	0
			25	0	11.13	11.27	11.18	11.25	11.17	11.19	0
			25	13	11.17	11.25	11.24	11.27	11.17	11.30	0
			25	26	11.21	11.25	11.33	11.20	11.31	11.38	0
			50	0	11.26	11.32	11.24	11.28	11.30	11.34	0
		QPSK	1	1	11.25	11.31	11.39	11.39	11.38	11.34	0
			1	26	11.20	11.26	11.31	11.31	11.21	11.31	0
			1	49	11.21	11.32	11.33	11.20	11.32	11.40	0
			25	0	11.16	11.27	11.24	11.21	11.10	11.19	0
			25	13	11.21	11.19	11.14	11.19	11.18	11.24	0
			25	26	11.27	11.26	11.38	11.37	11.37	11.43	0
			50	0	11.20	11.19	11.24	11.28	11.29	11.40	0
		16QAM	1	1	11.37	11.33	11.36	11.41	11.44	11.38	0
		64QAM	1	1	11.36	11.47	11.45	11.43	11.50	11.50	0
		256QAM	1	1	11.21	11.30	11.26	11.16	11.19	11.13	0
	CP-OFDM	QPSK	1	1	11.19	11.29	11.14	11.21	11.13	11.23	0

10.3 Average Conducted Output Power (Tablet Mode)

10.3.1 WCDMA Average Conducted Output Power

Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		9 262	9 400	9 538	
		1 852.4 MHz	1 880.0 MHz	1 907.6 MHz	
WCDMA II	RMC	13.84	13.88	13.83	-
	HSDPA-Subtest 1	12.78	12.77	12.66	0
	HSDPA-Subtest 2	12.11	12.27	12.11	0
	HSDPA-Subtest 3	11.41	11.35	11.30	0.0
	HSDPA-Subtest 4	11.37	11.36	11.21	0.0
	HSUPA-Subtest 1	12.80	12.80	12.65	0
	HSUPA-Subtest 2	11.04	11.10	11.03	0
	HSUPA-Subtest 3	11.80	11.85	11.76	0
	HSUPA-Subtest 4	11.01	11.03	11.01	0
	HSUPA-Subtest 5	12.84	12.87	12.71	0
	DC-HSDPA-Subtest 1	12.82	12.84	12.77	0
	DC-HSDPA-Subtest 2	12.82	12.87	12.76	0
	DC-HSDPA-Subtest 3	12.29	12.29	12.23	0.0
	DC-HSDPA-Subtest 4	12.33	12.29	12.23	0.0

Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		1 312	1 412	1 513	
		1 712.4 MHz	1 732.4 MHz	1 752.6 MHz	
WCDMA IV	RMC	13.80	13.89	13.88	-
	HSDPA-Subtest 1	12.66	12.77	12.77	0
	HSDPA-Subtest 2	11.95	12.08	12.06	0
	HSDPA-Subtest 3	11.31	11.12	11.34	0.0
	HSDPA-Subtest 4	11.06	11.24	11.23	0.0
	HSUPA-Subtest 1	12.77	12.82	12.83	0
	HSUPA-Subtest 2	11.05	11.06	11.03	0
	HSUPA-Subtest 3	11.73	11.81	11.85	0
	HSUPA-Subtest 4	11.06	11.18	11.02	0
	HSUPA-Subtest 5	12.80	12.88	12.87	0
	DC-HSDPA-Subtest 1	12.74	12.83	12.85	0
	DC-HSDPA-Subtest 2	12.75	12.80	12.80	0
	DC-HSDPA-Subtest 3	12.28	12.34	12.32	0.0
	DC-HSDPA-Subtest 4	12.26	12.29	12.29	0.0

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Band	Mode	Average Conducted Power (dBm)			MPR [dB]
		Channel			
		4 132	4 183	4 233	
		826.4 MHz	836.6 MHz	846.6 MHz	
WCDMA V	RMC	20.12	20.11	20.13	-
	HSDPA-Subtest 1	19.08	19.12	19.08	0
	HSDPA-Subtest 2	18.43	18.37	18.43	0
	HSDPA-Subtest 3	17.79	17.78	17.75	0.0
	HSDPA-Subtest 4	17.77	17.67	17.70	0.0
	HSUPA-Subtest 1	19.19	19.13	19.12	0
	HSUPA-Subtest 2	17.17	17.20	17.11	0
	HSUPA-Subtest 3	18.12	18.22	18.14	0
	HSUPA-Subtest 4	17.15	17.20	17.15	0
	HSUPA-Subtest 5	19.16	19.29	19.14	0
	DC-HSDPA-Subtest 1	19.15	19.23	19.16	0
	DC-HSDPA-Subtest 2	19.16	19.20	19.13	0
	DC-HSDPA-Subtest 3	18.64	18.73	18.63	0.0
	DC-HSDPA-Subtest 4	18.65	18.71	18.66	0.0

10.3.2 LTE Average Conducted Output Power

10.3.2.1 LTE Band 2 (Ant.0)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 700	18 900	19 100	
				1 860.0 MHz	1 880.0 MHz	1 900.0 MHz	
20 MHz	QPSK	1	0	13.67	13.60	13.67	0
		1	49	13.75	13.69	13.73	0
		1	99	13.64	13.66	13.61	0
		50	0	13.68	13.67	13.67	0
		50	24	13.76	13.72	13.70	0
		50	50	13.75	13.71	13.69	0
		100	0	13.72	13.65	13.62	0
	16QAM	1	0	13.99	13.74	13.76	0
		1	49	13.95	13.86	13.81	0
		1	99	13.74	13.63	13.75	0
		50	0	13.63	13.66	13.67	0
		50	24	13.70	13.64	13.63	0
		50	50	13.71	13.65	13.66	0
		100	0	13.71	13.63	13.63	0
	64QAM	1	0	13.90	13.98	14.00	0
		1	49	13.81	13.89	13.99	0
		1	99	13.77	13.89	13.88	0
		50	0	13.76	13.73	13.66	0
		50	24	13.85	13.69	13.67	0
		50	50	13.70	13.85	13.75	0
		100	0	13.91	13.75	13.65	0
	256QAM	1	0	13.72	13.89	13.74	0
		1	49	13.91	13.98	13.66	0
		1	99	13.77	13.95	13.84	0
		50	0	13.76	13.77	13.71	0
		50	24	13.75	13.74	13.75	0
		50	50	13.88	13.80	13.73	0
		100	0	13.77	13.77	13.62	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 675	18 900	19 125	
				1 857.5 MHz	1 880.0 MHz	1 902.5 MHz	
15 MHz	QPSK	1	0	13.67	13.67	13.63	0
		1	36	13.71	13.63	13.64	0
		1	74	13.70	13.66	13.57	0
		36	0	13.67	13.62	13.65	0
		36	18	13.72	13.60	13.58	0
		36	37	13.74	13.68	13.66	0
		75	0	13.74	13.62	13.58	0
	16QAM	1	0	13.84	13.64	13.82	0
		1	36	13.86	13.64	13.86	0
		1	74	13.75	13.85	13.64	0
		36	0	13.62	13.61	13.64	0
		36	18	13.69	13.65	13.57	0
		36	37	13.66	13.71	13.66	0
		75	0	13.69	13.61	13.56	0
	64QAM	1	0	13.87	13.96	13.87	0
		1	36	13.86	14.00	13.86	0
		1	74	13.86	13.68	13.71	0
		36	0	13.69	13.66	13.73	0
		36	18	13.81	13.71	13.71	0
		36	37	13.76	13.69	13.75	0
		75	0	13.82	13.67	13.73	0
	256QAM	1	0	13.93	13.76	13.76	0
		1	36	13.88	13.92	13.85	0
		1	74	13.63	13.92	13.93	0
		36	0	13.73	13.80	13.65	0
		36	18	13.74	13.65	13.70	0
		36	37	13.82	13.77	13.78	0
		75	0	13.79	13.71	13.72	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 650	18 900	19 150	
				1 855.0 MHz	1 880.0 MHz	1 905.0 MHz	
10 MHz	QPSK	1	0	13.75	13.75	13.74	0
		1	25	13.83	13.84	13.74	0
		1	49	13.71	13.70	13.66	0
		25	0	13.78	13.74	13.69	0
		25	12	13.82	13.76	13.68	0
		25	25	13.83	13.79	13.68	0
		50	0	13.82	13.70	13.64	0
	16QAM	1	0	13.95	13.91	13.80	0
		1	25	13.87	13.95	13.85	0
		1	49	13.79	13.89	13.64	0
		25	0	13.81	13.72	13.68	0
		25	12	13.85	13.75	13.68	0
		25	25	13.84	13.81	13.72	0
		50	0	13.84	13.67	13.68	0
	64QAM	1	0	13.97	14.10	13.95	0
		1	25	13.98	14.16	13.99	0
		1	49	14.06	13.97	13.83	0
		25	0	13.86	13.89	13.86	0
		25	12	13.89	13.90	13.85	0
		25	25	13.86	13.92	13.78	0
		50	0	13.92	13.82	13.82	0
	256QAM	1	0	13.77	13.87	13.83	0
		1	25	14.06	13.99	14.12	0
		1	49	14.05	13.86	13.86	0
		25	0	13.85	13.85	13.87	0
		25	12	13.93	13.87	13.89	0
		25	25	13.82	13.90	13.76	0
		50	0	13.85	13.84	13.78	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 625	18 900	19 175	
				1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	QPSK	1	0	13.79	13.69	13.68	0
		1	12	13.82	13.81	13.81	0
		1	24	13.73	13.67	13.63	0
		12	0	13.85	13.75	13.78	0
		12	7	13.86	13.79	13.75	0
		12	13	13.74	13.72	13.63	0
		25	0	13.84	13.69	13.73	0
	16QAM	1	0	13.81	13.75	14.05	0
		1	12	13.98	14.05	14.02	0
		1	24	13.91	13.79	13.78	0
		12	0	13.88	13.76	13.81	0
		12	7	13.86	13.82	13.82	0
		12	13	13.75	13.72	13.66	0
		25	0	13.83	13.66	13.75	0
	64QAM	1	0	14.05	13.93	13.83	0
		1	12	14.10	13.95	13.87	0
		1	24	13.80	13.96	13.92	0
		12	0	13.97	13.81	13.78	0
		12	7	13.92	13.93	13.80	0
		12	13	13.87	13.83	13.73	0
		25	0	13.83	13.82	13.76	0
	256QAM	1	0	13.76	14.03	13.83	0
		1	12	14.05	14.13	13.89	0
		1	24	13.83	13.84	13.70	0
		12	0	13.99	13.86	13.80	0
		12	7	13.94	13.88	13.79	0
		12	13	13.85	13.83	13.70	0
		25	0	13.93	13.87	13.74	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 615	18 900	19 185	
				1 851.5 MHz	1 880.0 MHz	1 908.5 MHz	
3 MHz	QPSK	1	0	13.76	13.74	13.76	0
		1	8	13.76	13.77	13.77	0
		1	14	13.64	13.65	13.58	0
		8	0	13.81	13.75	13.71	0
		8	4	13.84	13.74	13.78	0
		8	7	13.79	13.70	13.66	0
		15	0	13.80	13.67	13.63	0
	16QAM	1	0	13.92	14.02	13.88	0
		1	8	14.00	13.89	13.99	0
		1	14	13.79	13.69	13.66	0
		8	0	13.85	13.67	13.72	0
		8	4	13.88	13.75	13.79	0
		8	7	13.76	13.68	13.71	0
		15	0	13.80	13.72	13.66	0
	64QAM	1	0	13.99	14.07	14.00	0
		1	8	14.04	14.02	14.02	0
		1	14	14.04	14.00	13.74	0
		8	0	13.94	13.82	13.84	0
		8	4	13.94	13.91	13.79	0
		8	7	13.93	13.87	13.72	0
		15	0	13.85	13.81	13.81	0
	256QAM	1	0	13.74	13.89	14.03	0
		1	8	13.98	13.96	13.81	0
		1	14	13.81	13.76	13.85	0
		8	0	13.98	13.84	13.89	0
		8	4	13.87	13.90	13.76	0
		8	7	13.92	13.77	13.81	0
		15	0	13.87	13.81	13.83	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 607	18 900	19 193	
				1 850.7 MHz	1 880.0 MHz	1 909.3 MHz	
1.4 MHz	QPSK	1	0	13.78	13.77	13.73	0
		1	3	13.69	13.73	13.65	0
		1	5	13.67	13.64	13.64	0
		3	0	13.79	13.80	13.65	0
		3	1	13.79	13.69	13.67	0
		3	3	13.72	13.73	13.64	0
		6	0	13.73	13.72	13.63	0
	16QAM	1	0	13.74	13.82	13.76	0
		1	3	13.89	13.91	13.82	0
		1	5	13.87	13.87	13.78	0
		3	0	13.86	13.83	13.75	0
		3	1	13.82	13.65	13.77	0
		3	3	13.84	13.75	13.66	0
		6	0	13.73	13.89	13.67	0
	64QAM	1	0	14.17	14.11	13.80	0
		1	3	13.88	13.84	13.98	0
		1	5	13.91	13.91	13.81	0
		3	0	13.87	13.99	13.79	0
		3	1	14.15	13.97	13.85	0
		3	3	13.97	13.98	13.78	0
		6	0	13.81	13.93	13.80	0
	256QAM	1	0	14.03	13.94	13.99	0
		1	3	13.89	13.82	13.82	0
		1	5	13.79	13.78	13.77	0
		3	0	13.91	13.88	13.80	0
		3	1	13.93	13.89	13.85	0
		3	3	13.93	13.81	13.71	0
		6	0	13.82	13.83	13.70	0

10.3.2.2 LTE Band 2 (Ant.2)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 700	18 900	19 100	
				1 860.0 MHz	1 880.0 MHz	1 900.0 MHz	
20 MHz	QPSK	1	0	13.82	14.13	13.81	0
		1	49	13.88	13.84	13.96	0
		1	99	13.82	14.10	13.80	0
		50	0	13.95	14.11	13.79	0
		50	24	13.96	13.94	13.80	0
		50	50	13.82	14.06	13.63	0
		100	0	13.86	14.05	13.79	0
	16QAM	1	0	14.05	14.22	14.01	0
		1	49	14.09	14.14	13.98	0
		1	99	14.11	14.22	13.87	0
		50	0	13.97	14.29	13.81	0
		50	24	14.00	14.10	13.81	0
		50	50	13.71	14.26	13.62	0
		100	0	13.97	14.10	13.77	0
	64QAM	1	0	13.82	14.03	13.93	0
		1	49	13.74	13.83	13.84	0
		1	99	13.92	14.03	13.95	0
		50	0	13.79	13.76	13.81	0
		50	24	13.76	13.80	13.77	0
		50	50	13.86	13.78	13.65	0
		100	0	13.81	13.86	13.73	0
	256QAM	1	0	13.95	13.79	13.86	0
		1	49	13.75	13.86	13.82	0
		1	99	13.64	13.79	13.71	0
		50	0	13.71	13.88	13.72	0
		50	24	13.86	13.68	13.83	0
		50	50	13.76	13.81	13.78	0
		100	0	13.83	13.87	13.83	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 675	18 900	19 125	
				1 857.5 MHz	1 880.0 MHz	1 902.5 MHz	
15 MHz	QPSK	1	0	13.85	13.89	13.83	0
		1	36	13.69	13.84	13.75	0
		1	74	14.07	13.98	14.03	0
		36	0	13.93	13.91	13.63	0
		36	18	14.18	13.82	14.12	0
		36	37	13.82	13.90	13.87	0
		75	0	13.71	13.82	13.82	0
	16QAM	1	0	14.09	13.93	14.11	0
		1	36	14.03	14.02	14.03	0
		1	74	14.13	14.30	13.92	0
		36	0	13.80	13.88	13.84	0
		36	18	13.85	13.82	13.99	0
		36	37	13.75	13.91	13.66	0
		75	0	13.79	13.78	13.64	0
	64QAM	1	0	14.01	14.20	14.01	0
		1	36	14.17	14.06	14.45	0
		1	74	14.03	13.96	13.93	0
		36	0	14.16	13.95	14.10	0
		36	18	14.06	13.92	14.06	0
		36	37	13.88	13.78	13.82	0
		75	0	14.21	13.89	14.03	0
	256QAM	1	0	13.71	13.73	13.59	0
		1	36	13.75	13.91	13.66	0
		1	74	13.63	13.65	13.71	0
		36	0	14.02	13.84	13.57	0
		36	18	13.90	13.77	13.74	0
		36	37	13.82	13.66	13.72	0
		75	0	13.61	13.62	13.82	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 650	18 900	19 150	
				1 855.0 MHz	1 880.0 MHz	1 905.0 MHz	
10 MHz	QPSK	1	0	14.00	14.08	14.13	0
		1	25	13.97	14.00	13.76	0
		1	49	13.94	13.95	13.89	0
		25	0	14.06	14.13	13.90	0
		25	12	14.13	13.99	14.15	0
		25	25	14.01	14.02	14.03	0
		50	0	13.92	14.07	13.85	0
	16QAM	1	0	14.20	14.37	14.33	0
		1	25	14.14	14.08	14.19	0
		1	49	14.16	14.30	14.05	0
		25	0	14.04	14.15	14.02	0
		25	12	14.11	14.00	14.19	0
		25	25	13.84	14.04	13.91	0
		50	0	14.12	14.13	14.03	0
	64QAM	1	0	13.85	14.12	13.89	0
		1	25	14.37	14.18	14.27	0
		1	49	14.17	14.17	14.04	0
		25	0	14.43	14.18	14.25	0
		25	12	14.24	14.13	14.00	0
		25	25	14.33	14.12	14.25	0
		50	0	14.21	14.08	14.03	0
	256QAM	1	0	13.97	13.87	13.83	0
		1	25	13.68	13.89	13.67	0
		1	49	13.80	13.86	13.97	0
		25	0	13.98	13.81	13.62	0
		25	12	14.00	13.94	13.70	0
		25	25	13.94	13.83	13.90	0
		50	0	14.08	13.94	13.92	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 625	18 900	19 175	
				1 852.5 MHz	1 880.0 MHz	1 907.5 MHz	
5 MHz	QPSK	1	0	14.12	14.03	13.73	0
		1	12	13.99	13.96	13.85	0
		1	24	14.00	14.04	14.04	0
		12	0	14.09	14.04	14.06	0
		12	7	14.39	14.01	14.27	0
		12	13	13.63	13.86	13.61	0
		25	0	13.97	13.94	13.75	0
	16QAM	1	0	14.36	14.13	14.16	0
		1	12	14.36	14.37	14.47	0
		1	24	14.01	14.27	14.33	0
		12	0	13.96	14.00	14.06	0
		12	7	14.21	14.04	14.38	0
		12	13	13.75	13.98	13.77	0
		25	0	13.73	13.97	13.83	0
	64QAM	1	0	13.76	13.96	13.86	0
		1	12	14.16	14.02	14.17	0
		1	24	14.18	14.09	14.08	0
		12	0	14.19	13.95	14.13	0
		12	7	13.99	13.92	14.01	0
		12	13	14.14	13.91	14.12	0
		25	0	14.16	13.89	13.96	0
	256QAM	1	0	14.30	14.08	14.02	0
		1	12	13.61	13.86	13.51	0
		1	24	13.75	13.69	13.63	0
		12	0	14.05	13.90	13.75	0
		12	7	13.88	13.85	13.73	0
		12	13	13.92	13.74	13.73	0
		25	0	14.00	13.91	14.00	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 615	18 900	19 185	
				1 851.5 MHz	1 880.0 MHz	1 908.5 MHz	
3 MHz	QPSK	1	0	13.99	13.92	13.94	0
		1	8	13.70	13.85	13.81	0
		1	14	13.74	13.69	13.74	0
		8	0	13.86	13.94	13.76	0
		8	4	14.18	13.92	14.26	0
		8	7	13.86	13.91	13.73	0
		15	0	13.77	13.88	13.77	0
	16QAM	1	0	14.14	13.97	14.22	0
		1	8	13.91	14.05	14.06	0
		1	14	13.73	13.98	13.92	0
		8	0	13.92	13.99	13.98	0
		8	4	14.25	13.95	14.16	0
		8	7	13.82	14.09	14.00	0
		15	0	13.85	13.93	13.68	0
	64QAM	1	0	13.84	14.12	13.95	0
		1	8	14.33	13.93	14.11	0
		1	14	14.01	13.99	14.03	0
		8	0	14.25	13.92	14.05	0
		8	4	13.91	13.95	13.85	0
		8	7	14.24	14.04	14.10	0
		15	0	14.05	13.92	13.77	0
	256QAM	1	0	14.05	14.09	14.01	0
		1	8	13.39	13.76	13.47	0
		1	14	13.92	13.91	13.97	0
		8	0	14.11	14.07	14.03	0
		8	4	13.97	13.97	13.80	0
		8	7	13.89	13.84	13.78	0
		15	0	14.14	14.00	14.18	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				18 607	18 900	19 193	
				1 850.7 MHz	1 880.0 MHz	1 909.3 MHz	
1.4 MHz	QPSK	1	0	13.75	13.82	13.82	0
		1	3	14.00	13.97	13.79	0
		1	5	13.72	13.78	13.93	0
		3	0	14.02	13.98	13.86	0
		3	1	13.99	13.95	14.09	0
		3	3	13.80	13.96	13.83	0
		6	0	13.77	13.92	13.76	0
	16QAM	1	0	14.04	14.02	14.12	0
		1	3	14.31	14.04	14.22	0
		1	5	13.95	14.01	14.04	0
		3	0	14.02	13.98	13.95	0
		3	1	14.17	13.99	14.19	0
		3	3	13.81	14.00	13.72	0
		6	0	13.58	13.83	13.56	0
	64QAM	1	0	13.80	13.93	13.92	0
		1	3	14.42	14.08	14.30	0
		1	5	14.01	14.02	13.86	0
		3	0	14.20	14.06	14.17	0
		3	1	14.12	14.10	14.03	0
		3	3	14.25	14.05	13.98	0
		6	0	14.10	13.97	13.84	0
	256QAM	1	0	14.21	14.02	13.95	0
		1	3	13.83	13.94	13.69	0
		1	5	13.54	13.48	13.30	0
		3	0	14.01	13.88	13.58	0
		3	1	14.19	14.08	13.87	0
		3	3	14.06	13.85	13.86	0
		6	0	13.65	13.71	13.85	0

10.3.2.3 LTE Band 5

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				20 525	
				836.5 MHz	
10 MHz	QPSK	1	0	19.97	0
		1	25	20.00	0
		1	49	19.86	0
		25	0	19.82	0
		25	12	19.86	0
		25	25	19.96	0
		50	0	19.93	0
	16QAM	1	0	19.93	0
		1	25	20.05	0
		1	49	20.04	0
		25	0	19.86	0
		25	12	19.90	0
		25	25	19.99	0
		50	0	19.89	0
	64QAM	1	0	19.91	0
		1	25	20.06	0
		1	49	20.02	0
		25	0	19.92	0
		25	12	19.89	0
		25	25	20.08	0
		50	0	19.87	0
	256QAM	1	0	18.82	1
		1	25	18.84	1
		1	49	18.99	1
		25	0	18.81	1
		25	12	18.84	1
		25	25	18.96	1
		50	0	18.84	1

10 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 425	20 525	20 625	
				826.5 MHz	836.5 MHz	846.5 MHz	
5 MHz	QPSK	1	0	19.94	19.82	19.74	0
		1	12	19.91	19.85	19.80	0
		1	24	19.89	19.97	19.76	0
		12	0	19.86	19.81	19.82	0
		12	7	19.93	19.92	19.71	0
		12	13	19.84	19.87	19.81	0
		25	0	19.96	19.87	19.76	0
	16QAM	1	0	20.07	19.91	20.04	0
		1	12	20.10	19.98	20.08	0
		1	24	19.89	20.01	19.85	0
		12	0	19.88	19.77	19.75	0
		12	7	19.94	19.96	19.74	0
		12	13	19.89	19.92	19.77	0
		25	0	19.89	19.83	19.74	0
	64QAM	1	0	20.16	20.12	19.93	0
		1	12	20.26	20.21	19.90	0
		1	24	20.18	20.23	19.83	0
		12	0	20.02	19.81	19.91	0
		12	7	19.99	20.01	19.84	0
		12	13	19.98	20.05	19.80	0
		25	0	19.95	19.91	19.86	0
	256QAM	1	0	18.93	18.84	18.79	1
		1	12	18.93	18.94	18.94	1
		1	24	18.75	18.97	18.99	1
		12	0	18.87	18.76	18.77	1
		12	7	18.97	18.91	18.75	1
		12	13	18.82	18.90	18.77	1
		25	0	18.92	18.80	18.68	1

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 415	20 525	20 635	
				825.5 MHz	836.5 MHz	847.5 MHz	
3 MHz	QPSK	1	0	19.87	19.78	19.77	0
		1	8	19.93	19.93	19.81	0
		1	14	19.80	19.83	19.71	0
		8	0	19.89	19.80	19.68	0
		8	4	19.89	19.90	19.78	0
		8	7	19.88	19.95	19.73	0
		15	0	19.89	19.79	19.79	0
	16QAM	1	0	20.03	20.03	19.87	0
		1	8	20.17	19.97	19.88	0
		1	14	20.09	19.97	19.59	0
		8	0	19.96	19.73	19.71	0
		8	4	19.90	19.86	19.85	0
		8	7	19.86	19.92	19.83	0
		15	0	19.90	19.75	19.78	0
	64QAM	1	0	20.14	20.10	20.00	0
		1	8	20.19	20.18	20.02	0
		1	14	19.84	20.12	20.20	0
		8	0	20.03	19.88	19.82	0
		8	4	20.03	20.05	19.85	0
		8	7	19.91	19.92	19.89	0
		15	0	20.01	19.88	19.85	0
	256QAM	1	0	18.93	18.72	18.83	1
		1	8	18.84	18.89	18.87	1
		1	14	18.94	19.00	18.67	1
		8	0	18.97	18.67	18.64	1
		8	4	18.95	18.89	18.69	1
		8	7	18.86	18.96	18.71	1
		15	0	18.85	18.81	18.77	1

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				20 407	20 525	20 643	
				824.7 MHz	836.5 MHz	848.3 MHz	
1.4 MHz	QPSK	1	0	19.84	19.79	19.71	0
		1	3	19.83	19.84	19.80	0
		1	5	19.78	19.87	19.76	0
		3	0	19.83	19.80	19.74	0
		3	1	19.83	19.84	19.73	0
		3	3	19.75	19.87	19.73	0
		6	0	19.85	19.77	19.74	0
	16QAM	1	0	19.78	19.93	19.69	0
		1	3	19.91	20.11	19.90	0
		1	5	19.73	20.00	19.93	0
		3	0	19.88	19.79	19.80	0
		3	1	19.81	19.90	19.79	0
		3	3	19.85	19.89	19.67	0
		6	0	19.80	19.79	19.72	0
	64QAM	1	0	20.18	19.88	19.83	0
		1	3	20.12	20.02	19.84	0
		1	5	20.04	19.98	19.96	0
		3	0	20.22	19.96	19.87	0
		3	1	20.09	19.96	19.96	0
		3	3	20.01	19.94	19.84	0
		6	0	20.01	19.91	19.85	0
	256QAM	1	0	18.94	18.71	18.75	1
		1	3	18.93	18.77	18.73	1
		1	5	18.88	18.95	18.82	1
		3	0	18.84	18.82	18.68	1
		3	1	18.91	18.72	18.74	1
		3	3	18.87	18.86	18.69	1
		6	0	18.92	18.80	18.68	1

10.3.2.4 LTE Band 12

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 095	
				707.5 MHz	
10 MHz	QPSK	1	0	14.98	0
		1	25	14.95	0
		1	49	14.96	0
		25	0	14.86	0
		25	12	14.83	0
		25	25	14.92	0
		50	0	14.90	0
	16QAM	1	0	15.19	0
		1	25	15.02	0
		1	49	14.85	0
		25	0	14.80	0
		25	12	14.83	0
		25	25	14.83	0
		50	0	14.73	0
	64QAM	1	0	15.00	0
		1	25	15.05	0
		1	49	15.02	0
		25	0	14.85	0
		25	12	14.80	0
		25	25	14.88	0
		50	0	14.76	0
	256QAM	1	0	15.00	0
		1	25	15.04	0
		1	49	14.94	0
		25	0	14.85	0
		25	12	14.90	0
		25	25	14.89	0
		50	0	14.87	0

10 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 035	23 095	23 155	
				701.5 MHz	707.5 MHz	713.5 MHz	
5 MHz	QPSK	1	0	14.86	14.81	14.84	0
		1	12	14.92	14.83	14.94	0
		1	24	14.81	14.83	14.84	0
		12	0	14.79	14.79	14.84	0
		12	7	14.92	14.86	14.91	0
		12	13	14.82	14.83	14.87	0
		25	0	14.89	14.80	14.87	0
	16QAM	1	0	15.00	14.86	15.04	0
		1	12	14.95	15.03	14.94	0
		1	24	14.87	15.04	14.81	0
		12	0	14.81	14.80	14.73	0
		12	7	14.89	14.86	14.78	0
		12	13	14.85	14.81	14.71	0
		25	0	14.83	14.73	14.84	0
	64QAM	1	0	15.07	14.77	15.02	0
		1	12	15.00	15.07	15.06	0
		1	24	14.91	15.04	15.08	0
		12	0	14.87	14.84	14.95	0
		12	7	14.98	14.91	15.00	0
		12	13	14.80	14.88	14.90	0
		25	0	14.95	14.84	14.89	0
	256QAM	1	0	15.00	14.86	14.79	0
		1	12	15.16	15.04	15.11	0
		1	24	14.83	14.84	14.94	0
		12	0	14.85	14.96	14.88	0
		12	7	14.92	14.96	14.95	0
		12	13	14.88	14.89	14.84	0
		25	0	14.89	14.85	14.87	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 025	23 095	23 655	
				700.5 MHz	707.5 MHz	714.5 MHz	
3 MHz	QPSK	1	0	14.74	14.85	14.84	0
		1	8	14.87	14.90	14.89	0
		1	14	14.74	14.77	14.78	0
		8	0	14.89	14.81	14.83	0
		8	4	14.91	14.89	14.92	0
		8	7	14.82	14.88	14.85	0
		15	0	14.86	14.83	14.81	0
	16QAM	1	0	14.97	15.03	14.96	0
		1	8	14.86	14.91	15.09	0
		1	14	14.78	15.01	14.87	0
		8	0	14.85	14.86	14.78	0
		8	4	14.87	14.87	14.86	0
		8	7	14.80	14.76	14.85	0
		15	0	14.83	14.80	14.75	0
	64QAM	1	0	14.88	14.95	14.93	0
		1	8	14.94	15.04	14.97	0
		1	14	14.94	14.86	14.82	0
		8	0	14.92	14.87	14.81	0
		8	4	14.91	14.97	14.92	0
		8	7	14.94	14.88	14.83	0
		15	0	14.95	14.80	14.80	0
	256QAM	1	0	14.95	14.81	14.77	0
		1	8	14.97	15.00	15.02	0
		1	14	14.78	14.97	14.92	0
		8	0	14.93	14.95	14.79	0
		8	4	14.92	14.98	14.96	0
		8	7	14.86	14.87	14.83	0
		15	0	14.91	14.74	14.85	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				23 017	23 095	23 173	
				699.7 MHz	707.5 MHz	715.3 MHz	
1.4 MHz	QPSK	1	0	14.82	14.85	14.85	0
		1	3	14.88	14.85	14.84	0
		1	5	14.76	14.82	14.79	0
		3	0	14.85	14.78	14.89	0
		3	1	14.85	14.83	14.86	0
		3	3	14.79	14.82	14.83	0
		6	0	14.87	14.82	14.84	0
	16QAM	1	0	14.96	14.94	15.00	0
		1	3	14.87	14.92	14.84	0
		1	5	14.78	15.03	14.92	0
		3	0	14.91	14.87	14.94	0
		3	1	14.91	14.85	14.83	0
		3	3	14.82	14.84	14.90	0
		6	0	14.88	14.60	14.85	0
	64QAM	1	0	15.08	14.91	15.01	0
		1	3	15.19	14.98	15.05	0
		1	5	14.88	15.05	14.86	0
		3	0	14.97	14.94	14.89	0
		3	1	14.93	14.94	14.93	0
		3	3	15.03	14.93	14.87	0
		6	0	14.91	14.83	14.87	0
	256QAM	1	0	15.00	14.93	15.07	0
		1	3	14.94	14.91	14.95	0
		1	5	15.04	14.93	14.89	0
		3	0	15.02	14.94	14.97	0
		3	1	14.93	14.87	14.96	0
		3	3	14.89	14.85	14.84	0
		6	0	14.97	14.91	14.86	0

10.3.2.5 LTE Band 14

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 330	
				793.0 MHz	
10 MHz	QPSK	1	0	19.23	0
		1	25	19.22	0
		1	49	19.04	0
		25	0	19.17	0
		25	12	19.20	0
		25	25	19.04	0
		50	0	19.18	0
	16QAM	1	0	19.38	0
		1	25	19.46	0
		1	49	19.29	0
		25	0	19.17	0
		25	12	19.14	0
		25	25	19.00	0
		50	0	19.11	0
	64QAM	1	0	19.17	0
		1	25	19.32	0
		1	49	19.13	0
		25	0	19.20	0
		25	12	19.01	0
		25	25	19.10	0
		50	0	19.15	0
	256QAM	1	0	19.00	0
		1	25	19.19	0
		1	49	18.91	0
		25	0	19.05	0
		25	12	19.02	0
		25	25	18.99	0
		50	0	19.07	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power	MPR
				23 330	
				793.0 MHz	
5 MHz	QPSK	1	0	19.15	0
		1	12	19.13	0
		1	24	18.98	0
		12	0	19.18	0
		12	7	19.22	0
		12	13	19.06	0
		25	0	19.17	0
	16QAM	1	0	19.37	0
		1	12	19.31	0
		1	24	19.30	0
		12	0	19.08	0
		12	7	19.20	0
		12	13	19.05	0
		25	0	19.16	0
	64QAM	1	0	19.38	0
		1	12	19.26	0
		1	24	19.12	0
		12	0	19.14	0
		12	7	19.20	0
		12	13	19.02	0
		25	0	19.13	0
	256QAM	1	0	19.14	0
		1	12	19.25	0
		1	24	19.10	0
		12	0	19.05	0
		12	7	19.15	0
		12	13	18.96	0
		25	0	19.06	0

5 MHz Bandwidths does not support at least three non-overlapping channels in certain channel bandwidths. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing per KDB 941225 D05 SAR for LTE Devices.

10.3.2.6 LTE Band 66 (Ant.0)

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 072	132 322	132 572	
				1 720.0 MHz	1 745.0 MHz	1 770.0 MHz	
20 MHz	QPSK	1	0	13.75	13.77	13.78	0
		1	49	13.72	13.76	13.73	0
		1	99	13.66	13.65	13.68	0
		50	0	13.66	13.71	13.75	0
		50	24	13.71	13.72	13.73	0
		50	50	13.75	13.76	13.77	0
		100	0	13.70	13.72	13.73	0
	16QAM	1	0	13.74	13.84	13.81	0
		1	49	13.84	13.89	13.84	0
		1	99	13.77	13.56	13.85	0
		50	0	13.51	13.62	13.61	0
		50	24	13.64	13.65	13.61	0
		50	50	13.57	13.63	13.67	0
		100	0	13.61	13.57	13.65	0
	64QAM	1	0	13.69	13.81	14.02	0
		1	49	13.97	14.03	14.12	0
		1	99	13.82	14.07	13.91	0
		50	0	13.56	13.63	13.72	0
		50	24	13.68	13.59	13.74	0
		50	50	13.72	13.81	13.74	0
		100	0	13.69	13.61	13.76	0
	256QAM	1	0	13.67	13.95	13.79	0
		1	49	13.73	14.23	13.81	0
		1	99	13.90	13.88	13.81	0
		50	0	13.60	13.61	13.67	0
		50	24	13.73	13.61	13.62	0
		50	50	13.66	13.75	13.81	0
		100	0	13.71	13.60	13.66	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 047	132 322	132 597	
				1 717.5 MHz	1 745.0 MHz	1 772.5 MHz	
15 MHz	QPSK	1	0	13.64	13.75	13.78	0
		1	36	13.70	13.76	13.76	0
		1	74	13.64	13.73	13.73	0
		36	0	13.70	13.73	13.75	0
		36	18	13.73	13.69	13.73	0
		36	37	13.71	13.76	13.76	0
		75	0	13.72	13.69	13.72	0
	16QAM	1	0	13.55	13.80	13.94	0
		1	36	13.74	14.01	13.87	0
		1	74	13.74	13.91	13.78	0
		36	0	13.54	13.62	13.65	0
		36	18	13.68	13.58	13.63	0
		36	37	13.65	13.67	13.70	0
		75	0	13.65	13.58	13.65	0
	64QAM	1	0	13.76	14.00	13.88	0
		1	36	13.80	14.02	13.94	0
		1	74	13.70	13.91	13.92	0
		36	0	13.53	13.62	13.72	0
		36	18	13.69	13.72	13.79	0
		36	37	13.65	13.70	13.77	0
		75	0	13.69	13.66	13.68	0
	256QAM	1	0	13.55	13.53	13.80	0
		1	36	13.69	13.72	14.04	0
		1	74	13.72	13.98	13.74	0
		36	0	13.56	13.60	13.66	0
		36	18	13.67	13.67	13.60	0
		36	37	13.56	13.72	13.73	0
		75	0	13.69	13.62	13.67	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				132 022	132 322	132 622	
				1 715.0 MHz	1 745.0 MHz	1 775.0 MHz	
10 MHz	QPSK	1	0	13.68	13.85	13.82	0
		1	25	13.77	13.90	13.90	0
		1	49	13.65	13.81	13.78	0
		25	0	13.73	13.76	13.89	0
		25	12	13.82	13.80	13.84	0
		25	25	13.80	13.83	13.90	0
		50	0	13.77	13.80	13.81	0
	16QAM	1	0	13.92	13.97	13.74	0
		1	25	13.91	13.80	13.89	0
		1	49	13.78	13.95	13.82	0
		25	0	13.63	13.73	13.76	0
		25	12	13.71	13.71	13.79	0
		25	25	13.65	13.74	13.80	0
		50	0	13.71	13.69	13.73	0
	64QAM	1	0	13.80	13.80	14.09	0
		1	25	13.97	13.85	14.08	0
		1	49	13.79	13.99	14.14	0
		25	0	13.74	13.81	13.80	0
		25	12	13.81	13.84	13.83	0
		25	25	13.82	13.91	13.93	0
		50	0	13.78	13.71	13.94	0
	256QAM	1	0	13.73	13.77	13.88	0
		1	25	13.93	13.94	13.95	0
		1	49	13.86	13.87	14.03	0
		25	0	13.69	13.70	13.78	0
		25	12	13.89	13.72	13.85	0
		25	25	13.76	13.85	14.00	0
		50	0	13.81	13.78	13.90	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 997	132 322	132 647	
				1 712.5 MHz	1 745.0 MHz	1 777.5 MHz	
5 MHz	QPSK	1	0	13.78	13.82	13.92	0
		1	12	13.80	13.87	13.92	0
		1	24	13.70	13.83	13.84	0
		12	0	13.75	13.76	13.84	0
		12	7	13.81	13.79	13.84	0
		12	13	13.79	13.83	13.85	0
		25	0	13.79	13.78	13.87	0
	16QAM	1	0	13.60	13.89	13.99	0
		1	12	13.89	13.98	14.21	0
		1	24	13.85	13.86	13.99	0
		12	0	13.83	13.69	13.77	0
		12	7	13.86	13.73	13.77	0
		12	13	13.78	13.74	13.74	0
		25	0	13.68	13.74	13.77	0
	64QAM	1	0	13.93	14.01	13.90	0
		1	12	13.82	14.12	13.96	0
		1	24	14.12	13.91	13.91	0
		12	0	13.78	13.71	13.84	0
		12	7	13.82	13.89	13.94	0
		12	13	13.75	13.83	13.88	0
		25	0	13.80	13.74	13.89	0
	256QAM	1	0	13.67	13.75	13.92	0
		1	12	13.87	13.95	14.05	0
		1	24	13.68	14.04	13.91	0
		12	0	13.86	13.70	13.86	0
		12	7	13.84	13.88	13.96	0
		12	13	13.76	13.80	13.93	0
		25	0	13.83	13.79	13.91	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 987	132 322	132 657	
				1 711.5 MHz	1 745.0 MHz	1 778.5 MHz	
3 MHz	QPSK	1	0	13.68	13.76	13.76	0
		1	8	13.66	13.86	13.93	0
		1	14	13.68	13.77	13.76	0
		8	0	13.74	13.78	13.85	0
		8	4	13.75	13.90	13.88	0
		8	7	13.72	13.83	13.88	0
		15	0	13.77	13.77	13.76	0
	16QAM	1	0	13.79	13.76	13.88	0
		1	8	13.86	13.97	13.91	0
		1	14	13.65	13.81	13.89	0
		8	0	13.71	13.68	13.70	0
		8	4	13.79	13.86	13.87	0
		8	7	13.77	13.79	13.81	0
		15	0	13.72	13.74	13.70	0
	64QAM	1	0	13.64	13.83	13.85	0
		1	8	13.91	13.97	14.00	0
		1	14	13.81	13.67	13.87	0
		8	0	13.77	13.67	13.86	0
		8	4	13.80	13.86	13.84	0
		8	7	13.83	13.73	13.85	0
		15	0	13.84	13.75	13.85	0
	256QAM	1	0	13.59	13.68	13.97	0
		1	8	13.97	13.88	14.04	0
		1	14	13.67	13.90	13.95	0
		8	0	13.75	13.75	13.83	0
		8	4	13.81	13.81	13.80	0
		8	7	13.78	13.94	13.90	0
		15	0	13.74	13.71	13.76	0

Band width	Modulation	RB Size	RB offset	Maximum Average Power			MPR
				131 979	132 322	132 665	
				1 710.7 MHz	1 745.0 MHz	1 779.3 MHz	
1.4 MHz	QPSK	1	0	13.63	13.83	13.85	0
		1	3	13.58	13.78	13.90	0
		1	5	13.62	13.78	13.86	0
		3	0	13.60	13.80	13.81	0
		3	1	13.63	13.79	13.84	0
		3	3	13.63	13.73	13.83	0
		6	0	13.59	13.78	13.83	0
	16QAM	1	0	13.53	13.76	13.83	0
		1	3	13.60	13.79	13.88	0
		1	5	13.72	13.89	13.83	0
		3	0	13.58	13.81	13.71	0
		3	1	13.74	13.82	13.85	0
		3	3	13.65	13.82	13.82	0
		6	0	13.54	13.81	13.72	0
	64QAM	1	0	13.77	14.02	14.06	0
		1	3	13.79	14.04	14.09	0
		1	5	13.91	13.88	13.87	0
		3	0	13.79	13.85	13.92	0
		3	1	13.80	13.90	13.98	0
		3	3	13.87	13.77	13.92	0
		6	0	13.79	13.81	13.83	0
	256QAM	1	0	13.76	13.88	13.89	0
		1	3	13.82	13.80	14.00	0
		1	5	13.80	13.69	13.87	0
		3	0	13.71	13.87	13.85	0
		3	1	13.88	13.76	13.89	0
		3	3	13.77	13.68	13.88	0
		6	0	13.70	13.82	13.85	0