

SAR TEST REPORT



The following samples were submitted and identified on behalf of the client as:

Equipment Under Test	Rugged Tablet
Marketing Name	PA501
Brand Name	RuggON
Model No.	PA501B
Series Model No.	PA501BXXXXXXXXXX
Model difference	Marketing difference.
Company Name	RuggON Corporation
Company Address	4F, No. 298, Yangguang St., Neihu District Taipei City, 11491, Taiwan
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013, KDB616217D04v01r02, KDB865664D01v01r04, KDB865664D02v01r02, KDB941225D01v03r01, KDB941225D05v02r05, KDB941225D05Av01r02, KDB447498D01v06, KDB248227D01v02r02
FCC ID	2ABTU-PA501B
Date of Receipt	Dec. 06, 2019
Date of Test(s)	Dec. 31, 2019 ~ Mar. 12, 2020
Date of Issue	Mar. 18, 2020

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, 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.

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Signed on behalf of SGS

Clerk / Annie Chang	Engineer / Bond Tsai	Asst. Manager / John Yeh
Annie Chang	Bond Tsai	John Yeh

Date: Mar. 18, 2020

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Revision History

Report Number	Revision	Description	Issue Date
EN/2019/C0011	Rev.00	Initial creation of document	Mar. 18, 2020

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Contents

1. General Information	5
1.1 Testing Laboratory	5
1.2 Details of Applicant	5
1.3 Description of EUT	6
1.4 Test Environment	177
1.5 Operation Description	177
1.6 Proximity sensor operation description	184
1.7 The SAR Measurement System	196
1.8 System Components	198
1.9 SAR System Verification	200
1.10 Tissue Simulant Fluid for the Frequency Band	202
1.11 Evaluation Procedures	205
1.12 Probe Calibration Procedures	206
1.13 Test Standards and Limits	209
2. Summary of Results	211
2.1 Decision rules	211
2.2 Summary of Results	211
2.3 Reporting statements of conformity	221
3. Simultaneous Transmission Analysis	222
3.1 Estimated SAR calculation	223
3.2 SPLSR evaluation and analysis	223
4. Instruments List	235
5. Measurements	237
6.SAR System Performance Verification	268
7. Uncertainty Budget	280
Appendixes	282
EN2019C0011 SAR_Appendix A Photographs	282
EN2019C0011 SAR_Appendix B DAE & Probe Cal. Certificate	282
EN2019C0011 SAR_Appendix C Phantom Description & Dipole Cal. Certificate	282

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1. General Information

1.1 Testing Laboratory

SGS Taiwan Ltd. Electronics & Communication Laboratory	
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Tel	+886-2-2299-3279
Fax	+886-2-2298-0488
Internet	http://www.tw.sgs.com/

1.2 Details of Applicant

Company Name	RuggON Corporation
Company Address	4F, No. 298, Yangguang St., Neihu District Taipei City, 11491, Taiwan

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1.3 Description of EUT

Equipment Under Test	Rugged Tablet		
Marketing Name	PA501		
Brand Name	RuggON		
Model No.	PA501B		
Series Model No.	PA501BXXXXXXXXXX		
Model difference	Marketing difference.		
FCC ID	2ABTU-PA501B		
Mode of Operation	<input checked="" type="checkbox"/> WCDMA <input checked="" type="checkbox"/> HSDPA <input checked="" type="checkbox"/> HSUPA <input checked="" type="checkbox"/> LTE FDD <input checked="" type="checkbox"/> LTE FDD <input checked="" type="checkbox"/> LTE TDD <input checked="" type="checkbox"/> WLAN802.11 a/b/g/n(20M/40M)/ac(20M/40M/80M) <input checked="" type="checkbox"/> Bluetooth		
Duty Cycle	WCDMA	1	
	LTE FDD	1	
	LTE TDD	0.633	
	WLAN802.11 a/b/g/n(20M/40M)/ac(20M/40M/80M)	1	
	Bluetooth	1	
TX Frequency Range (MHz)	WCDMA Band II	1850	— 1910
	WCDMA Band IV	1710	— 1755
	WCDMA Band V	824	— 849
	LTE FDD Band 2	1850	— 1910
	LTE FDD Band 4	1710	— 1755
	LTE FDD Band 5	824	— 849
	LTE FDD Band 7	2500	— 2570

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TX Frequency Range (MHz)	LTE FDD Band 12	699	—	716
	LTE FDD Band 13	777	—	787
	LTE FDD Band 14	788	—	798
	LTE FDD Band 26	814	—	849
	LTE TDD Band 41	2496	—	2690
	LTE TDD Band 48	3550	—	3700
	LTE FDD Band 66	1710	—	1780
	WLAN802.11 b/g/n(20M)	2412	—	2462
	WLAN802.11 n(40M)	2422	—	2452
	WLAN802.11 a/n(20M)/ac(20M) 5.2G	5180	—	5240
	WLAN802.11 n(40M)/ac(40M) 5.2G	5190	—	5230
	WLAN802.11 ac(80M) 5.2G	5210		
	WLAN802.11 a/n(20M)/ac(20M) 5.3G	5260	—	5320
	WLAN802.11 n(40M)/ac(40M) 5.3G	5270	—	5310
	WLAN802.11 ac(80M) 5.3G	5290		
	WLAN802.11 a/n/ac(20M) 5.6G	5500	—	5720
	WLAN802.11 n/ac(40M) 5.6G	5510	—	5710
	WLAN802.11 ac(80M) 5.6G	5530	—	5690
	WLAN802.11 a/n(20M)/ac(20M) 5.8G	5745	—	5825
	WLAN802.11 n(40M)/ac(40M) 5.8G	5710	—	5795
	WLAN802.11 ac(80M) 5.8G	5775		
	Bluetooth	2402	—	2480
Channel Number (ARFCN)	WCDMA Band II	9262	—	9538
	WCDMA Band IV	1312	—	1513
	WCDMA Band V	4132	—	4233
	LTE FDD Band 2	18607	—	19193

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Channel Number (ARFCN)	LTE FDD Band 4	19957	—	20393
	LTE FDD Band 5	20407	—	20643
	LTE FDD Band 7	20775	—	21425
	LTE FDD Band 12	23017	—	23173
	LTE FDD Band 13	23205	—	23255
	LTE FDD Band 14	23305	—	23355
	LTE FDD Band 26	26697	—	27033
	LTE TDD Band 41	39675	—	41565
	LTE TDD Band 48	55265	—	56715
	LTE FDD Band 66	131979	—	132665
	WLAN802.11 b/g/n(20M)	1	—	11
	WLAN802.11 n(40M)	3	—	9
	WLAN802.11 a/n(20M)/ac(20M) 5.2G	36	—	48
	WLAN802.11 n(40M)/ac(40M) 5.2G	38	—	46
	WLAN802.11 ac(80M) 5.2G	42		
	WLAN802.11 a/n(20M)/ac(20M) 5.3G	52	—	64
	WLAN802.11 n(40M)/ac(40M) 5.3G	54	—	62
	WLAN802.11 ac(80M) 5.3G	58		
	WLAN802.11 a/n/ac(20M) 5.6G	100	—	144
	WLAN802.11 n/ac(40M) 5.6G	102	—	142
	WLAN802.11 ac(80M) 5.6G	106	—	138
	WLAN802.11 a/n(20M)/ac(20M) 5.8G	149	—	165
	WLAN802.11 n(40M)/ac(40M) 5.8G	151	—	159
	WLAN802.11 ac(80M) 5.8G	155		
	Bluetooth	0	—	78

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Antenna information:

WWAN

Vendor	Taiwan Anjie Electronics co., Ltd					
Antenna	Main(PIFA)					
Part Number	AJLQ1J-B0025					
Frequency(MHz)	699~789	814~849	1710~1780	1850~1910	2496~2690	3600~3800
Gain (dBi)	0.12	0.81	3.29	3.85	3.85	2.19

WLAN

Vendor	Taiwan Anjie Electronics co., Ltd				
Antenna	Main (PIFA)				
Part Number	AJDQ1J-B0024				
Frequency(MHz)	2400	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	2.94	3.58	3.58	2.85	3.34
Antenna	Aux (PIFA)				
Part Number	AJQQ1J-W0001				
Frequency(MHz)	2400	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	3.31	2.89	2.49	1.93	1.77

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Max. SAR (1 g) (Unit: W/Kg)				
Band	Measured	Reported	Channel	Position
WCDMA Band II	0.81	0.83	9538	Top side
WCDMA Band IV	0.74	0.79	1312	Top side
WCDMA Band V	0.71	0.72	4183	Top side
LTE FDD Band 2	0.83	0.93	19100	Top side
LTE FDD Band 4	0.80	0.87	20050	Top side
LTE FDD Band 5	0.67	0.71	20525	Top side
LTE FDD Band 7	0.94	1.00	21100	Top side
LTE FDD Band 12	0.46	0.46	23060	Top side
LTE FDD Band 13	0.49	0.49	23230	Top side
LTE FDD Band 14	0.46	0.49	23330	Top side
LTE FDD Band 26	0.66	0.74	26965	Top side
LTE TDD Band 41	0.49	0.49	40620	Top side
LTE TDD Band 48	0.65	0.68	55340	Top side
LTE FDD Band 66	0.80	0.87	132322	Top side

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Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Main	WLAN 802.11b	0.29	0.29	6	Bottom side
	Bluetooth(GFSK)	0.02	0.02	39	Bottom side
	WLAN 802.11 ac(80M) 5.2G	0.90	1.13	42	Bottom side
	WLAN 802.11 ac(80M) 5.3G	0.76	0.87	58	Bottom side
	WLAN 802.11 ac(80M) 5.6G	0.77	0.97	58	Bottom side
	WLAN 802.11 ac(80M) 5.8G	0.33	0.42	155	Bottom side
Aux	WLAN 802.11b	0.30	0.30	6	Top side
	WLAN 802.11 ac(80M) 5.2G	0.37	0.42	42	Back side
	WLAN 802.11 ac(80M) 5.3G	0.36	0.41	58	Back side
	WLAN 802.11 ac(80M) 5.6G	0.35	0.40	106	Back side
	WLAN 802.11 ac(80M) 5.8G	0.24	0.24	155	Back side

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WCDMA Band II / Band IV / Band V - HSDPA / HSUPA conducted power table (Full power):

Unit: dBm

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.00		
3GPP Rel 99	RMC 12.2Kbps	23.53	23.55	23.56
3GPP Rel 5	HSDPA Subtest-1	22.50	22.54	22.50
	HSDPA Subtest-2	21.95	22.07	22.09
	HSDPA Subtest-3	21.94	22.07	22.12
	HSDPA Subtest-4	21.92	21.99	22.05
3GPP Rel 6	HSUPA Subtest-1	22.45	22.49	22.56
	HSUPA Subtest-2	20.37	20.47	20.58
	HSUPA Subtest-3	21.39	21.49	21.56
	HSUPA Subtest-4	20.38	20.58	20.56
	HSUPA Subtest-5	22.23	22.45	22.42

Band		WCDMA IV		
TX Channel		1312	1412	1513
Frequency (MHz)		1712.4	1732.4	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.00		
3GPP Rel 99	RMC 12.2Kbps	23.94	23.99	23.97
3GPP Rel 5	HSDPA Subtest-1	22.88	23.11	23.03
	HSDPA Subtest-2	22.38	22.44	22.52
	HSDPA Subtest-3	22.44	22.45	22.49
	HSDPA Subtest-4	22.33	22.50	22.49
3GPP Rel 6	HSUPA Subtest-1	22.82	23.02	22.96
	HSUPA Subtest-2	20.83	21.00	20.90
	HSUPA Subtest-3	21.78	22.02	21.94
	HSUPA Subtest-4	20.87	21.11	21.03
	HSUPA Subtest-5	22.82	22.80	22.93

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Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.00		
3GPP Rel 99	RMC 12.2Kbps	23.83	23.99	23.90
3GPP Rel 5	HSDPA Subtest-1	22.96	22.99	22.85
	HSDPA Subtest-2	22.43	22.56	22.35
	HSDPA Subtest-3	22.41	22.50	22.30
	HSDPA Subtest-4	22.42	22.47	22.35
3GPP Rel 6	HSUPA Subtest-1	22.85	22.82	22.84
	HSUPA Subtest-2	20.81	20.94	20.90
	HSUPA Subtest-3	21.75	21.91	21.78
	HSUPA Subtest-4	20.89	20.98	20.88
	HSUPA Subtest-5	22.63	22.81	22.74

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WCDMA Band II / Band IV / Band V - HSDPA / HSUPA

conducted power table(Reduced power):

Unit: dBm

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		22.00		
3GPP Rel 99	RMC 12.2Kbps	21.78	21.67	21.89
3GPP Rel 5	HSDPA Subtest-1	21.22	21.27	21.22
	HSDPA Subtest-2	20.59	20.72	20.81
	HSDPA Subtest-3	20.54	20.74	20.79
	HSDPA Subtest-4	20.60	20.73	20.70
3GPP Rel 6	HSUPA Subtest-1	21.03	21.14	21.14
	HSUPA Subtest-2	19.07	19.19	19.20
	HSUPA Subtest-3	20.09	20.18	20.09
	HSUPA Subtest-4	19.04	19.22	19.17
	HSUPA Subtest-5	20.91	21.10	21.13

Band		WCDMA IV		
TX Channel		1312	1412	1513
Frequency (MHz)		1712.4	1732.4	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		19.50		
3GPP Rel 99	RMC 12.2Kbps	19.44	19.43	19.48
3GPP Rel 5	HSDPA Subtest-1	18.66	18.75	18.75
	HSDPA Subtest-2	18.68	18.73	18.79
	HSDPA Subtest-3	18.19	18.25	18.31
	HSDPA Subtest-4	18.15	18.23	18.30
3GPP Rel 6	HSUPA Subtest-1	18.69	18.64	18.77
	HSUPA Subtest-2	18.15	18.21	18.27
	HSUPA Subtest-3	18.65	18.73	18.78
	HSUPA Subtest-4	18.66	18.71	18.74
	HSUPA Subtest-5	18.64	18.66	18.77

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Sub-Test for HSDPA

SUB-TEST	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15	15/15	64	12/15	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Sub-Test for HSUPA

SUB-TEST	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{ec}	β_{ed} (Note 5) (Note 6)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 6)	E-TFCI
1	11/15	15/15	64	11/15	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1} : 47/15 β_{ed2} : 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	15/15	64	15/15	30/15	24/15	134/15	4	1	1.0	0.0	21	81

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 17 / Band 25 / Band 26 / Band 66 power table :

FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	1860	18700	23.56	24	0
				1880	18900	23.46	24	0
				1900	19100	23.35	24	0
			50	1860	18700	23.33	24	0
				1880	18900	23.38	24	0
				1900	19100	23.12	24	0
			99	1860	18700	23.18	24	0
				1880	18900	23.19	24	0
				1900	19100	23.04	24	0
		50 RB	0	1860	18700	22.57	23	0-1
				1880	18900	22.44	23	0-1
				1900	19100	22.19	23	0-1
			25	1860	18700	22.45	23	0-1
				1880	18900	22.22	23	0-1
				1900	19100	22.15	23	0-1
			50	1860	18700	22.42	23	0-1
				1880	18900	22.11	23	0-1
				1900	19100	22.26	23	0-1
		100RB		1860	18700	22.46	23	0-1
				1880	18900	22.30	23	0-1
				1900	19100	22.25	23	0-1
	16-QAM	1 RB	0	1860	18700	22.92	23	0-1
				1880	18900	22.35	23	0-1
				1900	19100	22.23	23	0-1
			50	1860	18700	22.89	23	0-1
				1880	18900	22.71	23	0-1
				1900	19100	22.09	23	0-1
			99	1860	18700	22.29	23	0-1
				1880	18900	21.98	23	0-1
				1900	19100	22.44	23	0-1
		50 RB	0	1860	18700	21.57	22	0-2
				1880	18900	21.41	22	0-2
				1900	19100	21.25	22	0-2
			25	1860	18700	21.51	22	0-2
				1880	18900	21.27	22	0-2
				1900	19100	21.14	22	0-2
			50	1860	18700	21.40	22	0-2
				1880	18900	21.14	22	0-2
				1900	19100	21.21	22	0-2
		100RB		1860	18700	21.48	22	0-2
				1880	18900	21.30	22	0-2
				1900	19100	21.25	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	1860	18700	22.79	23	0-1
				1880	18900	22.34	23	0-1
				1900	19100	22.15	23	0-1
			50	1860	18700	22.70	23	0-1
				1880	18900	22.52	23	0-1
				1900	19100	22.07	23	0-1
			99	1860	18700	22.18	23	0-1
				1880	18900	21.84	23	0-1
				1900	19100	22.27	23	0-1
		50 RB	0	1860	18700	21.38	22	0-2
				1880	18900	21.26	22	0-2
				1900	19100	21.08	22	0-2
			25	1860	18700	21.42	22	0-2
				1880	18900	21.25	22	0-2
				1900	19100	21.00	22	0-2
			50	1860	18700	21.28	22	0-2
				1880	18900	21.01	22	0-2
				1900	19100	21.06	22	0-2
		100RB		1860	18700	21.30	22	0-2
				1880	18900	21.23	22	0-2
				1900	19100	21.09	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	1855	18650	23.33	24	0
				1880	18900	23.55	24	0
				1905	19150	23.02	24	0
			25	1855	18650	23.47	24	0
				1880	18900	23.19	24	0
				1905	19150	23.10	24	0
			49	1855	18650	23.54	24	0
				1880	18900	23.14	24	0
				1905	19150	23.11	24	0
		25 RB	0	1855	18650	22.46	23	0-1
				1880	18900	22.32	23	0-1
				1905	19150	22.17	23	0-1
			12	1855	18650	22.49	23	0-1
				1880	18900	22.27	23	0-1
				1905	19150	22.18	23	0-1
			25	1855	18650	22.38	23	0-1
				1880	18900	22.19	23	0-1
				1905	19150	22.25	23	0-1
		50RB		1855	18650	22.44	23	0-1
				1880	18900	22.23	23	0-1
				1905	19150	22.27	23	0-1
	16-QAM	1 RB	0	1855	18650	22.18	23	0-1
				1880	18900	22.34	23	0-1
				1905	19150	22.35	23	0-1
			25	1855	18650	22.54	23	0-1
				1880	18900	21.96	23	0-1
				1905	19150	22.30	23	0-1
			49	1855	18650	22.71	23	0-1
				1880	18900	22.07	23	0-1
				1905	19150	22.58	23	0-1
		25 RB	0	1855	18650	21.55	22	0-2
				1880	18900	21.31	22	0-2
				1905	19150	21.24	22	0-2
			12	1855	18650	21.59	22	0-2
				1880	18900	21.40	22	0-2
				1905	19150	21.31	22	0-2
			25	1855	18650	21.47	22	0-2
				1880	18900	21.22	22	0-2
				1905	19150	21.28	22	0-2
		50RB		1855	18650	21.55	22	0-2
				1880	18900	21.14	22	0-2
				1905	19150	21.24	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	1855	18650	22.73	23	0-1
				1880	18900	22.17	23	0-1
				1905	19150	22.21	23	0-1
			25	1855	18650	22.84	23	0-1
				1880	18900	22.64	23	0-1
				1905	19150	22.09	23	0-1
			49	1855	18650	22.12	23	0-1
				1880	18900	21.88	23	0-1
				1905	19150	22.40	23	0-1
		25 RB	0	1855	18650	21.50	22	0-2
				1880	18900	21.22	22	0-2
				1905	19150	21.17	22	0-2
			12	1855	18650	21.50	22	0-2
				1880	18900	21.11	22	0-2
				1905	19150	21.03	22	0-2
			25	1855	18650	21.31	22	0-2
				1880	18900	21.04	22	0-2
				1905	19150	21.18	22	0-2
		50RB		1855	18650	21.29	22	0-2
				1880	18900	21.13	22	0-2
				1905	19150	21.11	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	1852.5	18625	23.29	24	0
				1880	18900	23.37	24	0
				1907.5	19175	23.33	24	0
			12	1852.5	18625	23.33	24	0
				1880	18900	23.26	24	0
				1907.5	19175	23.06	24	0
			24	1852.5	18625	23.34	24	0
				1880	18900	23.15	24	0
				1907.5	19175	22.86	24	0
		12 RB	0	1852.5	18625	22.43	23	0-1
				1880	18900	22.36	23	0-1
				1907.5	19175	22.33	23	0-1
			6	1852.5	18625	22.57	23	0-1
				1880	18900	22.37	23	0-1
				1907.5	19175	22.28	23	0-1
			13	1852.5	18625	22.49	23	0-1
				1880	18900	22.29	23	0-1
				1907.5	19175	22.25	23	0-1
		25RB		1852.5	18625	22.44	23	0-1
				1880	18900	22.32	23	0-1
				1907.5	19175	22.35	23	0-1
	16-QAM	1 RB	0	1852.5	18625	22.43	23	0-1
				1880	18900	22.36	23	0-1
				1907.5	19175	22.47	23	0-1
			12	1852.5	18625	22.54	23	0-1
				1880	18900	22.22	23	0-1
				1907.5	19175	22.54	23	0-1
			24	1852.5	18625	22.85	23	0-1
				1880	18900	22.11	23	0-1
				1907.5	19175	22.22	23	0-1
		12 RB	0	1852.5	18625	21.56	22	0-2
				1880	18900	21.45	22	0-2
				1907.5	19175	21.29	22	0-2
			6	1852.5	18625	21.53	22	0-2
				1880	18900	21.32	22	0-2
				1907.5	19175	21.29	22	0-2
			13	1852.5	18625	21.50	22	0-2
				1880	18900	21.28	22	0-2
				1907.5	19175	21.25	22	0-2
		25RB		1852.5	18625	21.57	22	0-2
				1880	18900	21.29	22	0-2
				1907.5	19175	21.28	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	1852.5	18625	22.87	23	0-1
				1880	18900	22.23	23	0-1
				1907.5	19175	22.23	23	0-1
			12	1852.5	18625	22.82	23	0-1
				1880	18900	22.52	23	0-1
				1907.5	19175	21.91	23	0-1
			24	1852.5	18625	22.20	23	0-1
				1880	18900	21.82	23	0-1
				1907.5	19175	22.32	23	0-1
		12 RB	0	1852.5	18625	21.48	22	0-2
				1880	18900	21.32	22	0-2
				1907.5	19175	21.19	22	0-2
			6	1852.5	18625	21.34	22	0-2
				1880	18900	21.11	22	0-2
				1907.5	19175	20.95	22	0-2
			13	1852.5	18625	21.36	22	0-2
				1880	18900	21.09	22	0-2
				1907.5	19175	21.05	22	0-2
		25RB		1852.5	18625	21.31	22	0-2
				1880	18900	21.10	22	0-2
				1907.5	19175	21.14	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	1851.5	18615	23.20	24	0
				1880	18900	23.35	24	0
				1908.5	19185	22.99	24	0
			7	1851.5	18615	23.22	24	0
				1880	18900	23.20	24	0
				1908.5	19185	23.04	24	0
			14	1851.5	18615	23.32	24	0
				1880	18900	23.11	24	0
				1908.5	19185	22.90	24	0
		8 RB	0	1851.5	18615	22.34	23	0-1
				1880	18900	22.25	23	0-1
				1908.5	19185	22.11	23	0-1
			4	1851.5	18615	22.29	23	0-1
				1880	18900	22.18	23	0-1
				1908.5	19185	22.17	23	0-1
			7	1851.5	18615	22.42	23	0-1
				1880	18900	22.22	23	0-1
				1908.5	19185	22.10	23	0-1
		15RB		1851.5	18615	22.36	23	0-1
				1880	18900	22.20	23	0-1
				1908.5	19185	22.13	23	0-1
	16-QAM	1 RB	0	1851.5	18615	22.75	23	0-1
				1880	18900	22.59	23	0-1
				1908.5	19185	22.01	23	0-1
			7	1851.5	18615	22.35	23	0-1
				1880	18900	22.58	23	0-1
				1908.5	19185	22.71	23	0-1
			14	1851.5	18615	21.97	23	0-1
				1880	18900	22.02	23	0-1
				1908.5	19185	22.16	23	0-1
		8 RB	0	1851.5	18615	21.31	22	0-2
				1880	18900	21.23	22	0-2
				1908.5	19185	21.08	22	0-2
			4	1851.5	18615	21.27	22	0-2
				1880	18900	21.21	22	0-2
				1908.5	19185	21.10	22	0-2
			7	1851.5	18615	21.41	22	0-2
				1880	18900	21.18	22	0-2
				1908.5	19185	21.10	22	0-2
		15RB		1851.5	18615	21.26	22	0-2
				1880	18900	21.24	22	0-2
				1908.5	19185	21.08	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	1851.5	18615	21.23	23	0-1
				1880	18900	21.16	23	0-1
				1908.5	19185	21.16	23	0-1
			7	1851.5	18615	21.07	23	0-1
				1880	18900	21.21	23	0-1
				1908.5	19185	21.31	23	0-1
			14	1851.5	18615	21.23	23	0-1
				1880	18900	21.38	23	0-1
				1908.5	19185	21.22	23	0-1
		8 RB	0	1851.5	18615	20.11	22	0-2
				1880	18900	20.06	22	0-2
				1908.5	19185	20.13	22	0-2
			4	1851.5	18615	20.04	22	0-2
				1880	18900	20.03	22	0-2
				1908.5	19185	20.17	22	0-2
			7	1851.5	18615	20.01	22	0-2
				1880	18900	20.10	22	0-2
				1908.5	19185	20.30	22	0-2
		15RB		1851.5	18615	20.09	22	0-2
				1880	18900	20.03	22	0-2
				1908.5	19185	20.14	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	1850.7	18607	23.31	24	0
				1880	18900	23.33	24	0
				1909.3	19193	23.22	24	0
			2	1850.7	18607	23.32	24	0
				1880	18900	23.25	24	0
				1909.3	19193	23.03	24	0
			5	1850.7	18607	23.30	24	0
				1880	18900	23.21	24	0
				1909.3	19193	22.91	24	0
		3 RB	0	1850.7	18607	22.93	23	0-1
				1880	18900	22.97	23	0-1
				1909.3	19193	22.99	23	0-1
			2	1850.7	18607	22.99	23	0-1
				1880	18900	22.91	23	0-1
				1909.3	19193	23.00	23	0-1
			3	1850.7	18607	22.95	23	0-1
				1880	18900	22.95	23	0-1
				1909.3	19193	22.93	23	0-1
		6RB		1850.7	18607	22.33	23	0-1
				1880	18900	22.20	23	0-1
				1909.3	19193	22.09	23	0-1
	16-QAM	1 RB	0	1850.7	18607	22.34	23	0-1
				1880	18900	22.22	23	0-1
				1909.3	19193	22.27	23	0-1
			2	1850.7	18607	22.66	23	0-1
				1880	18900	22.27	23	0-1
				1909.3	19193	22.04	23	0-1
			5	1850.7	18607	22.11	23	0-1
				1880	18900	22.41	23	0-1
				1909.3	19193	22.36	23	0-1
		3 RB	0	1850.7	18607	21.98	22	0-2
				1880	18900	21.99	22	0-2
				1909.3	19193	22.00	22	0-2
			2	1850.7	18607	21.95	22	0-2
				1880	18900	21.98	22	0-2
				1909.3	19193	21.91	22	0-2
			3	1850.7	18607	21.97	22	0-2
				1880	18900	21.95	22	0-2
				1909.3	19193	21.78	22	0-2
		6RB		1850.7	18607	21.44	22	0-2
				1880	18900	21.22	22	0-2
				1909.3	19193	21.00	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	1850.7	18607	22.88	23	0-1
				1880	18900	22.15	23	0-1
				1909.3	19193	22.17	23	0-1
			2	1850.7	18607	22.82	23	0-1
				1880	18900	22.57	23	0-1
				1909.3	19193	21.99	23	0-1
			5	1850.7	18607	22.28	23	0-1
				1880	18900	21.96	23	0-1
				1909.3	19193	22.42	23	0-1
		3 RB	0	1850.7	18607	21.46	22	0-2
				1880	18900	21.40	22	0-2
				1909.3	19193	21.16	22	0-2
			2	1850.7	18607	21.31	22	0-2
				1880	18900	21.14	22	0-2
				1909.3	19193	21.13	22	0-2
			3	1850.7	18607	21.30	22	0-2
				1880	18900	21.07	22	0-2
				1909.3	19193	21.09	22	0-2
		6RB		1850.7	18607	21.45	22	0-2
				1880	18900	21.29	22	0-2
				1909.3	19193	21.17	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	1850.7	18607	23.31	24	0
				1880	18900	23.33	24	0
				1909.3	19193	23.22	24	0
			2	1850.7	18607	23.32	24	0
				1880	18900	23.25	24	0
				1909.3	19193	23.03	24	0
			5	1850.7	18607	23.30	24	0
				1880	18900	23.21	24	0
				1909.3	19193	22.91	24	0
		3 RB	0	1850.7	18607	22.93	23	0-1
				1880	18900	22.97	23	0-1
				1909.3	19193	22.99	23	0-1
			2	1850.7	18607	22.99	23	0-1
				1880	18900	22.91	23	0-1
				1909.3	19193	23.00	23	0-1
			3	1850.7	18607	22.95	23	0-1
				1880	18900	22.95	23	0-1
				1909.3	19193	22.93	23	0-1
		6RB		1850.7	18607	22.33	23	0-1
				1880	18900	22.20	23	0-1
				1909.3	19193	22.09	23	0-1
	16-QAM	1 RB	0	1850.7	18607	22.34	23	0-1
				1880	18900	22.22	23	0-1
				1909.3	19193	22.27	23	0-1
			2	1850.7	18607	22.66	23	0-1
				1880	18900	22.27	23	0-1
				1909.3	19193	22.04	23	0-1
			5	1850.7	18607	22.11	23	0-1
				1880	18900	22.41	23	0-1
				1909.3	19193	22.36	23	0-1
		3 RB	0	1850.7	18607	21.98	22	0-2
				1880	18900	21.99	22	0-2
				1909.3	19193	22.00	22	0-2
			2	1850.7	18607	21.95	22	0-2
				1880	18900	21.98	22	0-2
				1909.3	19193	21.91	22	0-2
			3	1850.7	18607	21.97	22	0-2
				1880	18900	21.95	22	0-2
				1909.3	19193	21.78	22	0-2
		6RB		1850.7	18607	21.44	22	0-2
				1880	18900	21.22	22	0-2
				1909.3	19193	21.00	22	0-2

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FDD Band 2 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	1850.7	18607	22.88	23	0-1
				1880	18900	22.15	23	0-1
				1909.3	19193	22.17	23	0-1
			2	1850.7	18607	22.82	23	0-1
				1880	18900	22.57	23	0-1
				1909.3	19193	21.99	23	0-1
			5	1850.7	18607	22.28	23	0-1
				1880	18900	21.96	23	0-1
				1909.3	19193	22.42	23	0-1
		3 RB	0	1850.7	18607	21.46	22	0-2
				1880	18900	21.40	22	0-2
				1909.3	19193	21.16	22	0-2
			2	1850.7	18607	21.31	22	0-2
				1880	18900	21.14	22	0-2
				1909.3	19193	21.13	22	0-2
			3	1850.7	18607	21.30	22	0-2
				1880	18900	21.07	22	0-2
				1909.3	19193	21.09	22	0-2
		6RB		1850.7	18607	21.45	22	0-2
				1880	18900	21.29	22	0-2
				1909.3	19193	21.17	22	0-2

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	1860	18700	22.51	23	0
				1880	18900	22.48	23	0
				1900	19100	22.49	23	0
			50	1860	18700	22.21	23	0
				1880	18900	22.23	23	0
				1900	19100	22.36	23	0
			99	1860	18700	21.87	23	0
				1880	18900	22.02	23	0
				1900	19100	22.32	23	0
		50 RB	0	1860	18700	22.18	23	0
				1880	18900	22.13	23	0
				1900	19100	22.44	23	0
			25	1860	18700	22.22	23	0
				1880	18900	22.15	23	0
				1900	19100	22.43	23	0
			50	1860	18700	22.13	23	0
				1880	18900	22.18	23	0
				1900	19100	22.42	23	0
		100RB		1860	18700	22.11	23	0
				1880	18900	22.28	23	0
				1900	19100	22.42	23	0
	16-QAM	1 RB	0	1860	18700	22.16	23	0
				1880	18900	22.29	23	0
				1900	19100	22.13	23	0
			50	1860	18700	22.19	23	0
				1880	18900	22.02	23	0
				1900	19100	22.29	23	0
			99	1860	18700	22.13	23	0
				1880	18900	22.17	23	0
				1900	19100	22.21	23	0
		50 RB	0	1860	18700	22.25	23	0
				1880	18900	22.23	23	0
				1900	19100	22.15	23	0
			25	1860	18700	22.16	23	0
				1880	18900	22.24	23	0
				1900	19100	22.08	23	0
			50	1860	18700	22.00	23	0
				1880	18900	22.01	23	0
				1900	19100	22.02	23	0
		100RB		1860	18700	22.13	23	0
				1880	18900	22.18	23	0
				1900	19100	22.16	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	1860	18700	22.31	23	0
				1880	18900	22.27	23	0
				1900	19100	22.39	23	0
			50	1860	18700	22.36	23	0
				1880	18900	22.28	23	0
				1900	19100	22.35	23	0
			99	1860	18700	22.16	23	0
				1880	18900	22.29	23	0
				1900	19100	22.16	23	0
		50 RB	0	1860	18700	22.47	23	0
				1880	18900	22.43	23	0
				1900	19100	22.30	23	0
			25	1860	18700	22.37	23	0
				1880	18900	22.45	23	0
				1900	19100	22.45	23	0
			50	1860	18700	22.35	23	0
				1880	18900	22.14	23	0
				1900	19100	22.17	23	0
		100RB		1860	18700	22.44	23	0
				1880	18900	22.18	23	0
				1900	19100	22.49	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	1857.5	18675	22.20	23	0
				1880	18900	22.15	23	0
				1902.5	19125	22.42	23	0
			36	1857.5	18675	22.10	23	0
				1880	18900	22.02	23	0
				1902.5	19125	22.26	23	0
			74	1857.5	18675	21.97	23	0
				1880	18900	22.07	23	0
				1902.5	19125	22.28	23	0
		36 RB	0	1857.5	18675	22.07	23	0
				1880	18900	22.23	23	0
				1902.5	19125	22.39	23	0
			18	1857.5	18675	22.11	23	0
				1880	18900	22.23	23	0
				1902.5	19125	22.32	23	0
			37	1857.5	18675	22.17	23	0
				1880	18900	22.17	23	0
				1902.5	19125	22.31	23	0
			75RB	1857.5	18675	22.21	23	0
				1880	18900	22.07	23	0
				1902.5	19125	22.31	23	0
	16-QAM	1 RB	0	1857.5	18675	22.12	23	0
				1880	18900	22.15	23	0
				1902.5	19125	22.16	23	0
			36	1857.5	18675	22.13	23	0
				1880	18900	22.27	23	0
				1902.5	19125	22.13	23	0
			74	1857.5	18675	22.01	23	0
				1880	18900	22.14	23	0
				1902.5	19125	22.09	23	0
		36 RB	0	1857.5	18675	22.26	23	0
				1880	18900	22.16	23	0
				1902.5	19125	22.04	23	0
			18	1857.5	18675	22.12	23	0
				1880	18900	22.22	23	0
				1902.5	19125	22.16	23	0
			37	1857.5	18675	22.18	23	0
				1880	18900	22.13	23	0
				1902.5	19125	22.04	23	0
			75RB	1857.5	18675	22.07	23	0
				1880	18900	22.07	23	0
				1902.5	19125	22.03	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	1857.5	18675	22.10	23	0
				1880	18900	22.30	23	0
				1902.5	19125	22.40	23	0
			36	1857.5	18675	22.34	23	0
				1880	18900	22.49	23	0
				1902.5	19125	22.18	23	0
			74	1857.5	18675	22.19	23	0
				1880	18900	22.10	23	0
				1902.5	19125	22.17	23	0
		36 RB	0	1857.5	18675	22.12	23	0
				1880	18900	22.38	23	0
				1902.5	19125	22.26	23	0
			18	1857.5	18675	22.27	23	0
				1880	18900	22.18	23	0
				1902.5	19125	22.22	23	0
			37	1857.5	18675	22.15	23	0
				1880	18900	22.09	23	0
				1902.5	19125	22.40	23	0
		75RB		1857.5	18675	22.18	23	0
				1880	18900	22.33	23	0
				1902.5	19125	22.12	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	1855	18650	21.93	23	0
				1880	18900	22.12	23	0
				1905	19150	22.19	23	0
			25	1855	18650	22.11	23	0
				1880	18900	22.16	23	0
				1905	19150	22.19	23	0
			49	1855	18650	21.95	23	0
				1880	18900	21.98	23	0
				1905	19150	22.20	23	0
		25 RB	0	1855	18650	22.03	23	0
				1880	18900	22.15	23	0
				1905	19150	22.21	23	0
			12	1855	18650	22.08	23	0
				1880	18900	22.15	23	0
				1905	19150	22.28	23	0
			25	1855	18650	22.05	23	0
				1880	18900	22.10	23	0
				1905	19150	22.30	23	0
		50RB		1855	18650	22.09	23	0
				1880	18900	22.12	23	0
				1905	19150	22.25	23	0
	16-QAM	1 RB	0	1855	18650	22.01	23	0
				1880	18900	22.13	23	0
				1905	19150	22.09	23	0
			25	1855	18650	22.01	23	0
				1880	18900	22.23	23	0
				1905	19150	22.17	23	0
			49	1855	18650	22.07	23	0
				1880	18900	22.18	23	0
				1905	19150	22.03	23	0
		25 RB	0	1855	18650	22.11	23	0
				1880	18900	22.13	23	0
				1905	19150	22.19	23	0
			12	1855	18650	22.18	23	0
				1880	18900	22.26	23	0
				1905	19150	22.20	23	0
			25	1855	18650	22.05	23	0
				1880	18900	22.17	23	0
				1905	19150	22.29	23	0
		50RB		1855	18650	22.07	23	0
				1880	18900	22.18	23	0
				1905	19150	22.12	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	1855	18650	22.44	23	0
				1880	18900	22.21	23	0
				1905	19150	22.46	23	0
			25	1855	18650	22.10	23	0
				1880	18900	22.33	23	0
				1905	19150	22.39	23	0
			49	1855	18650	22.26	23	0
				1880	18900	22.38	23	0
				1905	19150	22.38	23	0
		25 RB	0	1855	18650	22.32	23	0
				1880	18900	22.42	23	0
				1905	19150	22.22	23	0
			12	1855	18650	22.40	23	0
				1880	18900	22.36	23	0
				1905	19150	22.38	23	0
			25	1855	18650	22.38	23	0
				1880	18900	22.46	23	0
				1905	19150	22.20	23	0
		50RB		1855	18650	22.19	23	0
				1880	18900	22.40	23	0
				1905	19150	22.19	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	1852.5	18625	22.10	23	0
				1880	18900	22.04	23	0
				1907.5	19175	22.17	23	0
			12	1852.5	18625	21.94	23	0
				1880	18900	22.08	23	0
				1907.5	19175	22.21	23	0
			24	1852.5	18625	22.14	23	0
				1880	18900	22.04	23	0
				1907.5	19175	22.10	23	0
		12 RB	0	1852.5	18625	22.05	23	0
				1880	18900	22.14	23	0
				1907.5	19175	22.23	23	0
			6	1852.5	18625	22.04	23	0
				1880	18900	22.10	23	0
				1907.5	19175	22.25	23	0
			13	1852.5	18625	22.07	23	0
				1880	18900	22.07	23	0
				1907.5	19175	22.24	23	0
		25RB		1852.5	18625	22.06	23	0
				1880	18900	22.03	23	0
				1907.5	19175	22.28	23	0
	16-QAM	1 RB	0	1852.5	18625	22.15	23	0
				1880	18900	22.18	23	0
				1907.5	19175	22.11	23	0
			12	1852.5	18625	22.15	23	0
				1880	18900	22.03	23	0
				1907.5	19175	22.13	23	0
			24	1852.5	18625	22.08	23	0
				1880	18900	22.07	23	0
				1907.5	19175	22.11	23	0
		12 RB	0	1852.5	18625	22.15	23	0
				1880	18900	22.18	23	0
				1907.5	19175	22.03	23	0
			6	1852.5	18625	22.17	23	0
				1880	18900	22.27	23	0
				1907.5	19175	22.29	23	0
			13	1852.5	18625	22.06	23	0
				1880	18900	22.14	23	0
				1907.5	19175	22.24	23	0
		25RB		1852.5	18625	22.12	23	0
				1880	18900	22.10	23	0
				1907.5	19175	22.14	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	1852.5	18625	22.28	23	0
				1880	18900	22.24	23	0
				1907.5	19175	22.25	23	0
			12	1852.5	18625	22.14	23	0
				1880	18900	22.39	23	0
				1907.5	19175	22.19	23	0
			24	1852.5	18625	22.28	23	0
				1880	18900	22.20	23	0
				1907.5	19175	22.15	23	0
		12 RB	0	1852.5	18625	22.35	23	0
				1880	18900	22.25	23	0
				1907.5	19175	22.37	23	0
			6	1852.5	18625	22.43	23	0
				1880	18900	22.32	23	0
				1907.5	19175	22.31	23	0
			13	1852.5	18625	22.16	23	0
				1880	18900	22.11	23	0
				1907.5	19175	22.15	23	0
		25RB		1852.5	18625	22.11	23	0
				1880	18900	22.11	23	0
				1907.5	19175	22.12	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	1851.5	18615	22.12	23	0
				1880	18900	22.06	23	0
				1908.5	19185	22.13	23	0
			7	1851.5	18615	22.10	23	0
				1880	18900	22.26	23	0
				1908.5	19185	22.25	23	0
			14	1851.5	18615	22.04	23	0
				1880	18900	22.20	23	0
				1908.5	19185	22.12	23	0
		8 RB	0	1851.5	18615	22.24	23	0
				1880	18900	22.24	23	0
				1908.5	19185	22.27	23	0
			4	1851.5	18615	22.13	23	0
				1880	18900	22.16	23	0
				1908.5	19185	22.25	23	0
			7	1851.5	18615	22.14	23	0
				1880	18900	22.21	23	0
				1908.5	19185	22.27	23	0
		15RB		1851.5	18615	22.15	23	0
				1880	18900	22.19	23	0
				1908.5	19185	22.30	23	0
	16-QAM	1 RB	0	1851.5	18615	22.33	23	0
				1880	18900	22.01	23	0
				1908.5	19185	22.07	23	0
			7	1851.5	18615	22.23	23	0
				1880	18900	22.17	23	0
				1908.5	19185	22.15	23	0
			14	1851.5	18615	22.18	23	0
				1880	18900	22.23	23	0
				1908.5	19185	22.16	23	0
		8 RB	0	1851.5	18615	22.14	23	0
				1880	18900	22.09	23	0
				1908.5	19185	22.14	23	0
			4	1851.5	18615	22.26	23	0
				1880	18900	22.17	23	0
				1908.5	19185	22.13	23	0
			7	1851.5	18615	22.16	23	0
				1880	18900	22.29	23	0
				1908.5	19185	22.12	23	0
		15RB		1851.5	18615	22.16	23	0
				1880	18900	22.21	23	0
				1908.5	19185	22.28	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	1851.5	18615	22.26	23	0
				1880	18900	22.39	23	0
				1908.5	19185	22.39	23	0
			7	1851.5	18615	22.48	23	0
				1880	18900	22.30	23	0
				1908.5	19185	22.41	23	0
			14	1851.5	18615	22.34	23	0
				1880	18900	22.44	23	0
				1908.5	19185	22.42	23	0
		8 RB	0	1851.5	18615	22.43	23	0
				1880	18900	22.17	23	0
				1908.5	19185	22.44	23	0
			4	1851.5	18615	22.47	23	0
				1880	18900	22.10	23	0
				1908.5	19185	22.45	23	0
			7	1851.5	18615	22.11	23	0
				1880	18900	22.23	23	0
				1908.5	19185	22.16	23	0
		15RB		1851.5	18615	22.37	23	0
				1880	18900	22.29	23	0
				1908.5	19185	22.30	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	1850.7	18607	22.08	23	0
				1880	18900	22.04	23	0
				1909.3	19193	22.14	23	0
			2	1850.7	18607	22.18	23	0
				1880	18900	22.06	23	0
				1909.3	19193	22.20	23	0
			5	1850.7	18607	21.93	23	0
				1880	18900	21.98	23	0
				1909.3	19193	22.07	23	0
		3 RB	0	1850.7	18607	22.13	23	0
				1880	18900	22.10	23	0
				1909.3	19193	22.23	23	0
			2	1850.7	18607	22.12	23	0
				1880	18900	22.17	23	0
				1909.3	19193	22.30	23	0
			3	1850.7	18607	22.06	23	0
				1880	18900	22.13	23	0
				1909.3	19193	22.13	23	0
		6RB		1850.7	18607	22.02	23	0
				1880	18900	22.08	23	0
				1909.3	19193	22.17	23	0
	16-QAM	1 RB	0	1850.7	18607	22.03	23	0
				1880	18900	22.14	23	0
				1909.3	19193	22.21	23	0
			2	1850.7	18607	22.19	23	0
				1880	18900	22.05	23	0
				1909.3	19193	22.29	23	0
			5	1850.7	18607	22.12	23	0
				1880	18900	21.94	23	0
				1909.3	19193	22.04	23	0
		3 RB	0	1850.7	18607	22.11	23	0
				1880	18900	22.25	23	0
				1909.3	19193	22.04	23	0
			2	1850.7	18607	22.17	23	0
				1880	18900	22.19	23	0
				1909.3	19193	22.23	23.0	0
			3	1850.7	18607	22.13	23	0
				1880	18900	22.06	23	0
				1909.3	19193	22.25	23	0
		6RB		1850.7	18607	22.23	23	0
				1880	18900	22.21	23	0
				1909.3	19193	22.16	23	0

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FDD Band 2 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	1850.7	18607	22.26	23	0
				1880	18900	22.30	23	0
				1909.3	19193	22.23	23	0
			2	1850.7	18607	22.27	23	0
				1880	18900	22.49	23	0
				1909.3	19193	22.33	23	0
			5	1850.7	18607	22.44	23	0
				1880	18900	22.28	23	0
				1909.3	19193	22.29	23	0
		3 RB	0	1850.7	18607	22.26	23	0
				1880	18900	22.40	23	0
				1909.3	19193	22.22	23	0
			2	1850.7	18607	22.41	23	0
				1880	18900	22.29	23	0
				1909.3	19193	22.43	23	0
			3	1850.7	18607	22.48	23	0
				1880	18900	22.14	23	0
				1909.3	19193	22.41	23	0
		6RB		1850.7	18607	22.46	23	0
				1880	18900	22.16	23	0
				1909.3	19193	22.30	23	0

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	1720	20050	23.28	24	0
				1732.5	20175	23.23	24	0
				1745	20300	23.23	24	0
			50	1720	20050	23.50	24	0
				1732.5	20175	23.25	24	0
				1745	20300	23.32	24	0
			99	1720	20050	23.18	24	0
				1732.5	20175	23.37	24	0
				1745	20300	23.16	24	0
		50 RB	0	1720	20050	22.18	23	0-1
				1732.5	20175	22.25	23	0-1
				1745	20300	22.20	23	0-1
			25	1720	20050	22.17	23	0-1
				1732.5	20175	22.06	23	0-1
				1745	20300	22.15	23	0-1
			50	1720	20050	22.20	23	0-1
				1732.5	20175	22.07	23	0-1
				1745	20300	22.09	23	0-1
		100RB		1720	20050	22.21	23	0-1
				1732.5	20175	22.10	23	0-1
				1745	20300	22.18	23	0-1
	16-QAM	1 RB	0	1720	20050	22.91	23	0-1
				1732.5	20175	22.79	23	0-1
				1745	20300	22.87	23	0-1
			50	1720	20050	22.74	23	0-1
				1732.5	20175	22.30	23	0-1
				1745	20300	22.50	23	0-1
			99	1720	20050	22.84	23	0-1
				1732.5	20175	22.32	23	0-1
				1745	20300	22.43	23	0-1
		50 RB	0	1720	20050	21.27	22	0-2
				1732.5	20175	21.28	22	0-2
				1745	20300	21.27	22	0-2
			25	1720	20050	21.21	22	0-2
				1732.5	20175	21.22	22	0-2
				1745	20300	21.25	22	0-2
			50	1720	20050	21.21	22	0-2
				1732.5	20175	21.18	22	0-2
				1745	20300	21.06	22	0-2
		100RB		1720	20050	21.31	22	0-2
				1732.5	20175	21.20	22	0-2
				1745	20300	21.23	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	1720	20050	22.75	23	0-1
				1732.5	20175	22.77	23	0-1
				1745	20300	22.75	23	0-1
			50	1720	20050	22.63	23	0-1
				1732.5	20175	22.18	23	0-1
				1745	20300	22.32	23	0-1
			99	1720	20050	22.72	23	0-1
				1732.5	20175	22.20	23	0-1
				1745	20300	22.32	23	0-1
		50 RB	0	1720	20050	21.23	22	0-2
				1732.5	20175	21.25	22	0-2
				1745	20300	21.27	22	0-2
			25	1720	20050	21.15	22	0-2
				1732.5	20175	21.16	22	0-2
				1745	20300	21.21	22	0-2
			50	1720	20050	21.14	22	0-2
				1732.5	20175	21.10	22	0-2
				1745	20300	20.96	22	0-2
		100RB		1720	20050	21.24	22	0-2
				1732.5	20175	21.04	22	0-2
				1745	20300	21.18	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	1717.5	20025	23.34	24	0
				1732.5	20175	23.19	24	0
				1747.5	20325	23.19	24	0
			36	1717.5	20025	23.38	24	0
				1732.5	20175	23.16	24	0
				1747.5	20325	23.22	24	0
			74	1717.5	20025	23.15	24	0
				1732.5	20175	23.07	24	0
				1747.5	20325	23.20	24	0
		36 RB	0	1717.5	20025	22.15	23	0-1
				1732.5	20175	22.18	23	0-1
				1747.5	20325	22.17	23	0-1
			18	1717.5	20025	22.17	23	0-1
				1732.5	20175	22.12	23	0-1
				1747.5	20325	22.12	23	0-1
			37	1717.5	20025	22.18	23	0-1
				1732.5	20175	22.10	23	0-1
				1747.5	20325	22.05	23	0-1
		75RB		1717.5	20025	22.12	23	0-1
				1732.5	20175	22.18	23	0-1
				1747.5	20325	22.13	23	0-1
	16-QAM	1 RB	0	1717.5	20025	22.80	23	0-1
				1732.5	20175	22.85	23	0-1
				1747.5	20325	22.17	23	0-1
			36	1717.5	20025	22.92	23	0-1
				1732.5	20175	22.42	23	0-1
				1747.5	20325	22.45	23	0-1
			74	1717.5	20025	22.31	23	0-1
				1732.5	20175	22.76	23	0-1
				1747.5	20325	22.42	23	0-1
		36 RB	0	1717.5	20025	21.22	22	0-2
				1732.5	20175	21.20	22	0-2
				1747.5	20325	21.20	22	0-2
			18	1717.5	20025	21.24	22	0-2
				1732.5	20175	21.15	22	0-2
				1747.5	20325	21.23	22	0-2
			37	1717.5	20025	21.19	22	0-2
				1732.5	20175	21.11	22	0-2
				1747.5	20325	21.22	22	0-2
		75RB		1717.5	20025	21.30	22	0-2
				1732.5	20175	21.19	22	0-2
				1747.5	20325	21.20	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	1717.5	20025	22.90	23	0-1
				1732.5	20175	22.70	23	0-1
				1747.5	20325	22.72	23	0-1
			36	1717.5	20025	22.67	23	0-1
				1732.5	20175	22.16	23	0-1
				1747.5	20325	22.50	23	0-1
			74	1717.5	20025	22.76	23	0-1
				1732.5	20175	22.26	23	0-1
				1747.5	20325	22.38	23	0-1
		36 RB	0	1717.5	20025	21.18	22	0-2
				1732.5	20175	21.12	22	0-2
				1747.5	20325	21.14	22	0-2
			18	1717.5	20025	21.13	22	0-2
				1732.5	20175	21.12	22	0-2
				1747.5	20325	21.05	22	0-2
			37	1717.5	20025	21.02	22	0-2
				1732.5	20175	21.11	22	0-2
				1747.5	20325	20.99	22	0-2
		75RB		1717.5	20025	21.26	22	0-2
				1732.5	20175	21.10	22	0-2
				1747.5	20325	21.04	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	1715	20000	23.33	24	0
				1732.5	20175	23.34	24	0
				1750	20350	23.26	24	0
			25	1715	20000	23.08	24	0
				1732.5	20175	23.00	24	0
				1750	20350	23.23	24	0
			49	1715	20000	23.21	24	0
				1732.5	20175	23.10	24	0
				1750	20350	23.42	24	0
		25 RB	0	1715	20000	22.08	23	0-1
				1732.5	20175	22.11	23	0-1
				1750	20350	22.17	23	0-1
			12	1715	20000	22.17	23	0-1
				1732.5	20175	22.09	23	0-1
				1750	20350	22.10	23	0-1
			25	1715	20000	22.17	23	0-1
				1732.5	20175	22.14	23	0-1
				1750	20350	22.09	23	0-1
		50RB		1715	20000	22.20	23	0-1
				1732.5	20175	22.09	23	0-1
				1750	20350	22.09	23	0-1
	16-QAM	1 RB	0	1715	20000	22.37	23	0-1
				1732.5	20175	22.30	23	0-1
				1750	20350	22.44	23	0-1
			25	1715	20000	22.90	23	0-1
				1732.5	20175	22.47	23	0-1
				1750	20350	22.35	23	0-1
			49	1715	20000	22.80	23	0-1
				1732.5	20175	22.55	23	0-1
				1750	20350	22.21	23	0-1
		25 RB	0	1715	20000	21.13	22	0-2
				1732.5	20175	21.15	22	0-2
				1750	20350	21.23	22	0-2
			12	1715	20000	21.29	22	0-2
				1732.5	20175	21.15	22	0-2
				1750	20350	21.19	22	0-2
			25	1715	20000	21.32	22	0-2
				1732.5	20175	21.24	22	0-2
				1750	20350	21.16	22	0-2
		50RB		1715	20000	21.22	22	0-2
				1732.5	20175	21.09	22	0-2
				1750	20350	21.16	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	1715	20000	22.72	23	0-1
				1732.5	20175	22.68	23	0-1
				1750	20350	22.84	23	0-1
			25	1715	20000	22.61	23	0-1
				1732.5	20175	22.17	23	0-1
				1750	20350	22.31	23	0-1
			49	1715	20000	22.81	23	0-1
				1732.5	20175	22.19	23	0-1
				1750	20350	22.43	23	0-1
		25 RB	0	1715	20000	21.19	22	0-2
				1732.5	20175	21.24	22	0-2
				1750	20350	21.24	22	0-2
			12	1715	20000	21.14	22	0-2
				1732.5	20175	21.04	22	0-2
				1750	20350	21.15	22	0-2
			25	1715	20000	21.13	22	0-2
				1732.5	20175	21.13	22	0-2
				1750	20350	21.04	22	0-2
		50RB		1715	20000	21.22	22	0-2
				1732.5	20175	21.20	22	0-2
				1750	20350	21.07	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	1712.5	19975	23.06	24	0
				1732.5	20175	23.01	24	0
				1752.5	20375	23.12	24	0
			12	1712.5	19975	23.13	24	0
				1732.5	20175	23.10	24	0
				1752.5	20375	22.98	24	0
			24	1712.5	19975	23.27	24	0
				1732.5	20175	23.13	24	0
				1752.5	20375	23.05	24	0
		12 RB	0	1712.5	19975	22.28	23	0-1
				1732.5	20175	22.24	23	0-1
				1752.5	20375	22.19	23	0-1
			6	1712.5	19975	22.16	23	0-1
				1732.5	20175	22.18	23	0-1
				1752.5	20375	22.19	23	0-1
			13	1712.5	19975	22.16	23	0-1
				1732.5	20175	22.19	23	0-1
				1752.5	20375	22.18	23	0-1
		25RB		1712.5	19975	22.16	23	0-1
				1732.5	20175	22.17	23	0-1
				1752.5	20375	22.13	23	0-1
	16-QAM	1 RB	0	1712.5	19975	22.66	23	0-1
				1732.5	20175	22.40	23	0-1
				1752.5	20375	22.41	23	0-1
			12	1712.5	19975	22.38	23	0-1
				1732.5	20175	22.09	23	0-1
				1752.5	20375	22.06	23	0-1
			24	1712.5	19975	22.62	23	0-1
				1732.5	20175	22.20	23	0-1
				1752.5	20375	22.50	23	0-1
		12 RB	0	1712.5	19975	21.26	22	0-2
				1732.5	20175	21.37	22	0-2
				1752.5	20375	21.34	22	0-2
			6	1712.5	19975	21.30	22	0-2
				1732.5	20175	21.46	22	0-2
				1752.5	20375	21.41	22	0-2
			13	1712.5	19975	21.34	22	0-2
				1732.5	20175	21.31	22	0-2
				1752.5	20375	21.33	22	0-2
		25RB		1712.5	19975	21.14	22	0-2
				1732.5	20175	21.27	22	0-2
				1752.5	20375	21.29	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	1712.5	19975	22.86	23	0-1
				1732.5	20175	22.65	23	0-1
				1752.5	20375	22.69	23	0-1
			12	1712.5	19975	22.59	23	0-1
				1732.5	20175	22.15	23	0-1
				1752.5	20375	22.49	23	0-1
			24	1712.5	19975	22.76	23	0-1
				1732.5	20175	22.22	23	0-1
				1752.5	20375	22.26	23	0-1
		12 RB	0	1712.5	19975	21.23	22	0-2
				1732.5	20175	21.21	22	0-2
				1752.5	20375	21.18	22	0-2
			6	1712.5	19975	21.19	22	0-2
				1732.5	20175	21.05	22	0-2
				1752.5	20375	21.08	22	0-2
			13	1712.5	19975	21.09	22	0-2
				1732.5	20175	21.07	22	0-2
				1752.5	20375	21.04	22	0-2
		25RB		1712.5	19975	21.27	22	0-2
				1732.5	20175	21.01	22	0-2
				1752.5	20375	21.19	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	1711.5	19965	23.06	24	0
				1732.5	20175	23.06	24	0
				1753.5	20385	23.10	24	0
			7	1711.5	19965	23.14	24	0
				1732.5	20175	23.08	24	0
				1753.5	20385	23.04	24	0
			14	1711.5	19965	22.89	24	0
				1732.5	20175	23.03	24	0
				1753.5	20385	23.07	24	0
		8 RB	0	1711.5	19965	22.11	23	0-1
				1732.5	20175	22.09	23	0-1
				1753.5	20385	22.10	23	0-1
			4	1711.5	19965	22.13	23	0-1
				1732.5	20175	22.13	23	0-1
				1753.5	20385	22.06	23	0-1
			7	1711.5	19965	22.06	23	0-1
				1732.5	20175	22.17	23	0-1
				1753.5	20385	22.08	23	0-1
		15RB		1711.5	19965	22.09	23	0-1
				1732.5	20175	22.13	23	0-1
				1753.5	20385	22.07	23	0-1
	16-QAM	1 RB	0	1711.5	19965	22.83	23	0-1
				1732.5	20175	21.93	23	0-1
				1753.5	20385	22.76	23	0-1
			7	1711.5	19965	22.46	23	0-1
				1732.5	20175	22.10	23	0-1
				1753.5	20385	22.62	23	0-1
			14	1711.5	19965	22.16	23	0-1
				1732.5	20175	22.41	23	0-1
				1753.5	20385	22.39	23	0-1
		8 RB	0	1711.5	19965	21.33	22	0-2
				1732.5	20175	21.18	22	0-2
				1753.5	20385	21.14	22	0-2
			4	1711.5	19965	21.15	22	0-2
				1732.5	20175	21.17	22	0-2
				1753.5	20385	21.14	22	0-2
			7	1711.5	19965	21.23	22	0-2
				1732.5	20175	21.19	22	0-2
				1753.5	20385	21.24	22	0-2
		15RB		1711.5	19965	21.12	22	0-2
				1732.5	20175	21.12	22	0-2
				1753.5	20385	21.01	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	1711.5	19965	22.77	23	0-1
				1732.5	20175	22.66	23	0-1
				1753.5	20385	22.71	23	0-1
			7	1711.5	19965	22.64	23	0-1
				1732.5	20175	22.28	23	0-1
				1753.5	20385	22.37	23	0-1
			14	1711.5	19965	22.80	23	0-1
				1732.5	20175	22.19	23	0-1
				1753.5	20385	22.27	23	0-1
		8 RB	0	1711.5	19965	21.25	22	0-2
				1732.5	20175	21.28	22	0-2
				1753.5	20385	21.09	22	0-2
			4	1711.5	19965	21.02	22	0-2
				1732.5	20175	21.21	22	0-2
				1753.5	20385	21.22	22	0-2
			7	1711.5	19965	21.17	22	0-2
				1732.5	20175	21.07	22	0-2
				1753.5	20385	21.01	22	0-2
		15RB		1711.5	19965	21.12	22	0-2
				1732.5	20175	21.03	22	0-2
				1753.5	20385	21.19	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	1710.7	19957	23.01	24	0
				1732.5	20175	23.12	24	0
				1754.3	20393	23.15	24	0
			2	1710.7	19957	23.04	24	0
				1732.5	20175	23.19	24	0
				1754.3	20393	22.99	24	0
			5	1710.7	19957	23.12	24	0
				1732.5	20175	23.13	24	0
				1754.3	20393	23.02	24	0
		3 RB	0	1710.7	19957	22.96	23	0-1
				1732.5	20175	22.93	23	0-1
				1754.3	20393	22.97	23	0-1
			2	1710.7	19957	22.91	23	0-1
				1732.5	20175	22.93	23	0-1
				1754.3	20393	22.90	23	0-1
			3	1710.7	19957	22.95	23	0-1
				1732.5	20175	22.99	23	0-1
				1754.3	20393	22.99	23	0-1
		6RB		1710.7	19957	22.14	23	0-1
				1732.5	20175	22.16	23	0-1
				1754.3	20393	22.08	23	0-1
	16-QAM	1 RB	0	1710.7	19957	22.19	23	0-1
				1732.5	20175	22.32	23	0-1
				1754.3	20393	22.52	23	0-1
			2	1710.7	19957	22.56	23	0-1
				1732.5	20175	22.34	23	0-1
				1754.3	20393	22.23	23	0-1
			5	1710.7	19957	22.32	23	0-1
				1732.5	20175	22.24	23	0-1
				1754.3	20393	22.68	23	0-1
		3 RB	0	1710.7	19957	21.98	22	0-2
				1732.5	20175	21.97	22	0-2
				1754.3	20393	21.93	22	0-2
			2	1710.7	19957	21.96	22	0-2
				1732.5	20175	21.92	22	0-2
				1754.3	20393	21.90	22	0-2
			3	1710.7	19957	21.92	22	0-2
				1732.5	20175	21.99	22	0-2
				1754.3	20393	21.99	22	0-2
		6RB		1710.7	19957	21.22	22	0-2
				1732.5	20175	21.29	22	0-2
				1754.3	20393	21.21	22	0-2

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FDD Band 4 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	1710.7	19957	22.79	23	0-1
				1732.5	20175	22.76	23	0-1
				1754.3	20393	22.81	23	0-1
			2	1710.7	19957	22.61	23	0-1
				1732.5	20175	22.28	23	0-1
				1754.3	20393	22.35	23	0-1
			5	1710.7	19957	22.77	23	0-1
				1732.5	20175	22.16	23	0-1
				1754.3	20393	22.31	23	0-1
		3 RB	0	1710.7	19957	21.21	22	0-2
				1732.5	20175	21.23	22	0-2
				1754.3	20393	21.10	22	0-2
			2	1710.7	19957	21.03	22	0-2
				1732.5	20175	21.15	22	0-2
				1754.3	20393	21.11	22	0-2
			3	1710.7	19957	21.04	22	0-2
				1732.5	20175	21.13	22	0-2
				1754.3	20393	21.04	22	0-2
		6RB		1710.7	19957	21.17	22	0-2
				1732.5	20175	21.04	22	0-2
				1754.3	20393	21.14	22	0-2

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	1720	20050	20.45	21	0
				1732.5	20175	20.37	21	0
				1745	20300	20.27	21	0
			50	1720	20050	20.63	21	0
				1732.5	20175	20.43	21	0
				1745	20300	20.50	21	0
			99	1720	20050	20.33	21	0
				1732.5	20175	20.53	21	0
				1745	20300	20.46	21	0
		50 RB	0	1720	20050	20.45	21	0
				1732.5	20175	20.49	21	0
				1745	20300	20.52	21	0
			25	1720	20050	20.41	21	0
				1732.5	20175	20.59	21	0
				1745	20300	20.49	21	0
			50	1720	20050	20.40	21	0
				1732.5	20175	20.54	21	0
				1745	20300	20.44	21	0
		100RB		1720	20050	20.52	21	0
				1732.5	20175	20.58	21	0
				1745	20300	20.56	21	0
	16-QAM	1 RB	0	1720	20050	20.25	21	0
				1732.5	20175	20.29	21	0
				1745	20300	20.27	21	0
			50	1720	20050	20.11	21	0
				1732.5	20175	20.13	21	0
				1745	20300	20.07	21	0
			99	1720	20050	20.13	21	0
				1732.5	20175	20.33	21	0
				1745	20300	20.15	21	0
		50 RB	0	1720	20050	20.19	21	0
				1732.5	20175	20.12	21	0
				1745	20300	20.23	21	0
			25	1720	20050	20.27	21	0
				1732.5	20175	20.15	21	0
				1745	20300	20.05	21	0
			50	1720	20050	20.20	21	0
				1732.5	20175	20.22	21	0
				1745	20300	20.11	21	0
		100RB		1720	20050	20.26	21	0
				1732.5	20175	20.24	21	0
				1745	20300	20.15	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	1720	20050	20.42	21	0
				1732.5	20175	20.59	21	0
				1745	20300	20.47	21	0
			50	1720	20050	20.50	21	0
				1732.5	20175	20.50	21	0
				1745	20300	20.23	21	0
			99	1720	20050	20.15	21	0
				1732.5	20175	20.42	21	0
				1745	20300	20.58	21	0
		50 RB	0	1720	20050	20.25	21	0
				1732.5	20175	20.55	21	0
				1745	20300	20.14	21	0
			25	1720	20050	20.33	21	0
				1732.5	20175	20.34	21	0
				1745	20300	20.13	21	0
			50	1720	20050	20.41	21	0
				1732.5	20175	20.09	21	0
				1745	20300	20.55	21	0
		100RB		1720	20050	20.48	21	0
				1732.5	20175	20.14	21	0
				1745	20300	20.38	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	1717.5	20025	20.29	21	0
				1732.5	20175	20.54	21	0
				1747.5	20325	20.59	21	0
			36	1717.5	20025	20.18	21	0
				1732.5	20175	20.37	21	0
				1747.5	20325	20.35	21	0
			74	1717.5	20025	20.23	21	0
				1732.5	20175	20.50	21	0
				1747.5	20325	20.48	21	0
		36 RB	0	1717.5	20025	20.28	21	0
				1732.5	20175	20.52	21	0
				1747.5	20325	20.62	21	0
			18	1717.5	20025	20.29	21	0
				1732.5	20175	20.55	21	0
				1747.5	20325	20.43	21	0
			37	1717.5	20025	20.25	21	0
				1732.5	20175	20.47	21	0
				1747.5	20325	20.45	21	0
		75RB		1717.5	20025	20.27	21	0
				1732.5	20175	20.53	21	0
				1747.5	20325	20.49	21	0
	16-QAM	1 RB	0	1717.5	20025	20.25	21	0
				1732.5	20175	20.15	21	0
				1747.5	20325	20.17	21	0
			36	1717.5	20025	20.18	21	0
				1732.5	20175	20.16	21	0
				1747.5	20325	20.23	21	0
			74	1717.5	20025	20.25	21	0
				1732.5	20175	20.09	21	0
				1747.5	20325	20.13	21	0
		36 RB	0	1717.5	20025	20.03	21	0
				1732.5	20175	20.25	21	0
				1747.5	20325	20.12	21	0
			18	1717.5	20025	20.23	21	0
				1732.5	20175	20.24	21	0
				1747.5	20325	20.15	21	0
			37	1717.5	20025	20.18	21	0
				1732.5	20175	20.05	21	0
				1747.5	20325	20.14	21	0
		75RB		1717.5	20025	20.35	21	0
				1732.5	20175	20.02	21	0
				1747.5	20325	20.11	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	1717.5	20025	20.14	21	0
				1732.5	20175	20.28	21	0
				1747.5	20325	20.21	21	0
			36	1717.5	20025	20.35	21	0
				1732.5	20175	20.44	21	0
				1747.5	20325	20.49	21	0
			74	1717.5	20025	20.55	21	0
				1732.5	20175	20.19	21	0
				1747.5	20325	20.47	21	0
		36 RB	0	1717.5	20025	20.36	21	0
				1732.5	20175	20.55	21	0
				1747.5	20325	20.45	21	0
			18	1717.5	20025	20.35	21	0
				1732.5	20175	20.38	21	0
				1747.5	20325	20.43	21	0
			37	1717.5	20025	20.39	21	0
				1732.5	20175	20.39	21	0
				1747.5	20325	20.20	21	0
		75RB		1717.5	20025	20.43	21	0
				1732.5	20175	20.30	21	0
				1747.5	20325	20.14	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	1715	20000	20.26	21	0
				1732.5	20175	20.41	21	0
				1750	20350	20.53	21	0
			25	1715	20000	20.27	21	0
				1732.5	20175	20.57	21	0
				1750	20350	20.42	21	0
			49	1715	20000	20.22	21	0
				1732.5	20175	20.47	21	0
				1750	20350	20.32	21	0
		25 RB	0	1715	20000	20.40	21	0
				1732.5	20175	20.61	21	0
				1750	20350	20.50	21	0
			12	1715	20000	20.27	21	0
				1732.5	20175	20.54	21	0
				1750	20350	20.47	21	0
			25	1715	20000	20.29	21	0
				1732.5	20175	20.47	21	0
				1750	20350	20.44	21	0
		50RB		1715	20000	20.27	21	0
				1732.5	20175	20.55	21	0
				1750	20350	20.44	21	0
	16-QAM	1 RB	0	1715	20000	20.21	21	0
				1732.5	20175	20.10	21	0
				1750	20350	20.23	21	0
			25	1715	20000	20.16	21	0
				1732.5	20175	20.26	21	0
				1750	20350	20.15	21	0
			49	1715	20000	20.08	21	0
				1732.5	20175	20.07	21	0
				1750	20350	20.09	21	0
		25 RB	0	1715	20000	20.14	21	0
				1732.5	20175	20.07	21	0
				1750	20350	20.18	21	0
			12	1715	20000	20.26	21	0
				1732.5	20175	20.01	21	0
				1750	20350	20.26	21	0
			25	1715	20000	20.35	21	0
				1732.5	20175	20.05	21	0
				1750	20350	20.34	21	0
		50RB		1715	20000	20.35	21	0
				1732.5	20175	20.05	21	0
				1750	20350	20.16	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	1715	20000	20.10	21	0
				1732.5	20175	20.46	21	0
				1750	20350	20.17	21	0
			25	1715	20000	20.21	21	0
				1732.5	20175	20.22	21	0
				1750	20350	20.44	21	0
			49	1715	20000	20.51	21	0
				1732.5	20175	20.41	21	0
				1750	20350	20.58	21	0
		25 RB	0	1715	20000	20.09	21	0
				1732.5	20175	20.21	21	0
				1750	20350	20.11	21	0
			12	1715	20000	20.43	21	0
				1732.5	20175	20.38	21	0
				1750	20350	20.39	21	0
			25	1715	20000	20.57	21	0
				1732.5	20175	20.21	21	0
				1750	20350	20.50	21	0
		50RB		1715	20000	20.32	21	0
				1732.5	20175	20.09	21	0
				1750	20350	20.51	21	0

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	1712.5	19975	20.33	21	0
				1732.5	20175	20.55	21	0
				1752.5	20375	20.30	21	0
			12	1712.5	19975	20.21	21	0
				1732.5	20175	20.52	21	0
				1752.5	20375	20.32	21	0
			24	1712.5	19975	20.24	21	0
				1732.5	20175	20.38	21	0
				1752.5	20375	20.39	21	0
		12 RB	0	1712.5	19975	20.37	21	0
				1732.5	20175	20.49	21	0
				1752.5	20375	20.39	21	0
			6	1712.5	19975	20.39	21	0
				1732.5	20175	20.54	21	0
				1752.5	20375	20.42	21	0
			13	1712.5	19975	20.28	21	0
				1732.5	20175	20.41	21	0
				1752.5	20375	20.34	21	0
		25RB	1712.5	19975	20.32	21	0	
			1732.5	20175	20.55	21	0	
			1752.5	20375	20.43	21	0	
	16-QAM	1 RB	0	1712.5	19975	20.05	21	0
				1732.5	20175	20.14	21	0
				1752.5	20375	20.15	21	0
			12	1712.5	19975	20.28	21	0
				1732.5	20175	20.09	21	0
				1752.5	20375	20.14	21	0
			24	1712.5	19975	20.17	21	0
				1732.5	20175	20.30	21	0
				1752.5	20375	20.23	21	0
		12 RB	0	1712.5	19975	20.04	21	0
				1732.5	20175	20.15	21	0
				1752.5	20375	20.16	21	0
			6	1712.5	19975	20.27	21	0
				1732.5	20175	20.05	21	0
				1752.5	20375	20.18	21	0
			13	1712.5	19975	20.30	21	0
				1732.5	20175	20.06	21	0
				1752.5	20375	20.14	21	0
		25RB	1712.5	19975	20.21	21	0	
			1732.5	20175	20.23	21	0	
			1752.5	20375	20.25	21	0	

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	1712.5	19975	20.44	21	0
				1732.5	20175	20.31	21	0
				1752.5	20375	20.12	21	0
			12	1712.5	19975	20.27	21	0
				1732.5	20175	20.17	21	0
				1752.5	20375	20.22	21	0
			24	1712.5	19975	20.52	21	0
				1732.5	20175	20.29	21	0
				1752.5	20375	20.43	21	0
		12 RB	0	1712.5	19975	20.33	21	0
				1732.5	20175	20.15	21	0
				1752.5	20375	20.13	21	0
			6	1712.5	19975	20.53	21	0
				1732.5	20175	20.58	21	0
				1752.5	20375	20.27	21	0
			13	1712.5	19975	20.52	21	0
				1732.5	20175	20.21	21	0
				1752.5	20375	20.39	21	0
		25RB		1712.5	19975	20.47	21	0
				1732.5	20175	20.50	21	0
				1752.5	20375	20.12	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	1711.5	19965	20.22	21	0
				1732.5	20175	20.48	21	0
				1753.5	20385	20.36	21	0
			7	1711.5	19965	20.34	21	0
				1732.5	20175	20.49	21	0
				1753.5	20385	20.53	21	0
			14	1711.5	19965	20.07	21	0
				1732.5	20175	20.48	21	0
				1753.5	20385	20.26	21	0
		8 RB	0	1711.5	19965	20.16	21	0
				1732.5	20175	20.44	21	0
				1753.5	20385	20.35	21	0
			4	1711.5	19965	20.28	21	0
				1732.5	20175	20.53	21	0
				1753.5	20385	20.45	21	0
			7	1711.5	19965	20.18	21	0
				1732.5	20175	20.51	21	0
				1753.5	20385	20.36	21	0
		15RB		1711.5	19965	20.23	21	0
				1732.5	20175	20.43	21	0
				1753.5	20385	20.40	21	0
	16-QAM	1 RB	0	1711.5	19965	20.18	21	0
				1732.5	20175	20.06	21	0
				1753.5	20385	20.14	21	0
			7	1711.5	19965	20.12	21	0
				1732.5	20175	20.16	21	0
				1753.5	20385	20.17	21	0
			14	1711.5	19965	20.28	21	0
				1732.5	20175	20.16	21	0
				1753.5	20385	20.25	21	0
		8 RB	0	1711.5	19965	20.30	21	0
				1732.5	20175	20.22	21	0
				1753.5	20385	20.09	21	0
			4	1711.5	19965	20.31	21	0
				1732.5	20175	20.11	21	0
				1753.5	20385	20.07	21	0
			7	1711.5	19965	20.26	21	0
				1732.5	20175	20.31	21	0
				1753.5	20385	20.08	21	0
		15RB		1711.5	19965	20.19	21	0
				1732.5	20175	20.35	21	0
				1753.5	20385	20.38	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	1711.5	19965	20.15	21	0
				1732.5	20175	20.44	21	0
				1753.5	20385	20.16	21	0
			7	1711.5	19965	20.51	21	0
				1732.5	20175	20.49	21	0
				1753.5	20385	20.22	21	0
			14	1711.5	19965	20.50	21	0
				1732.5	20175	20.55	21	0
				1753.5	20385	20.34	21	0
		8 RB	0	1711.5	19965	20.31	21	0
				1732.5	20175	20.26	21	0
				1753.5	20385	20.22	21	0
			4	1711.5	19965	20.29	21	0
				1732.5	20175	20.35	21	0
				1753.5	20385	20.18	21	0
			7	1711.5	19965	20.33	21	0
				1732.5	20175	20.47	21	0
				1753.5	20385	20.13	21	0
		15RB		1711.5	19965	20.54	21	0
				1732.5	20175	20.14	21	0
				1753.5	20385	20.28	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	1710.7	19957	20.07	21	0
				1732.5	20175	20.39	21	0
				1754.3	20393	20.20	21	0
			2	1710.7	19957	20.16	21	0
				1732.5	20175	20.47	21	0
				1754.3	20393	20.37	21	0
			5	1710.7	19957	20.18	21	0
				1732.5	20175	20.34	21	0
				1754.3	20393	20.33	21	0
		3 RB	0	1710.7	19957	20.17	21	0
				1732.5	20175	20.43	21	0
				1754.3	20393	20.32	21	0
			2	1710.7	19957	20.24	21	0
				1732.5	20175	20.58	21	0
				1754.3	20393	20.34	21	0
			3	1710.7	19957	20.10	21	0
				1732.5	20175	20.37	21	0
				1754.3	20393	20.27	21	0
		6RB		1710.7	19957	20.17	21	0
				1732.5	20175	20.38	21	0
				1754.3	20393	20.33	21	0
	16-QAM	1 RB	0	1710.7	19957	20.06	21	0
				1732.5	20175	20.07	21	0
				1754.3	20393	20.13	21	0
			2	1710.7	19957	20.05	21	0
				1732.5	20175	20.33	21	0
				1754.3	20393	20.18	21	0
			5	1710.7	19957	20.15	21	0
				1732.5	20175	20.17	21	0
				1754.3	20393	20.22	21	0
		3 RB	0	1710.7	19957	20.07	21	0
				1732.5	20175	20.25	21	0
				1754.3	20393	20.37	21	0
			2	1710.7	19957	20.27	21	0
				1732.5	20175	20.23	21	0
				1754.3	20393	20.29	21	0
			3	1710.7	19957	20.13	21	0
				1732.5	20175	20.24	21	0
				1754.3	20393	20.25	21	0
		6RB		1710.7	19957	20.25	21	0
				1732.5	20175	20.17	21	0
				1754.3	20393	20.05	21	0

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FDD Band 4 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	1710.7	19957	20.29	21	0
				1732.5	20175	20.40	21	0
				1754.3	20393	20.31	21	0
			2	1710.7	19957	20.09	21	0
				1732.5	20175	20.54	21	0
				1754.3	20393	20.32	21	0
			5	1710.7	19957	20.49	21	0
				1732.5	20175	20.36	21	0
				1754.3	20393	20.39	21	0
		3 RB	0	1710.7	19957	20.26	21	0
				1732.5	20175	20.30	21	0
				1754.3	20393	20.24	21	0
			2	1710.7	19957	20.44	21	0
				1732.5	20175	20.30	21	0
				1754.3	20393	20.33	21	0
			3	1710.7	19957	20.40	21	0
				1732.5	20175	20.50	21	0
				1754.3	20393	20.54	21	0
		6RB		1710.7	19957	20.20	21	0
				1732.5	20175	20.17	21	0
				1754.3	20393	20.37	21	0

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	829	20450	23.42	24	0
				836.5	20525	23.54	24	0
				844	20600	23.47	24	0
			25	829	20450	23.46	24	0
				836.5	20525	23.71	24	0
				844	20600	23.28	24	0
			49	829	20450	23.44	24	0
				836.5	20525	23.20	24	0
				844	20600	23.35	24	0
		25 RB	0	829	20450	22.31	23	0-1
				836.5	20525	22.33	23	0-1
				844	20600	22.92	23	0-1
			12	829	20450	22.74	23	0-1
				836.5	20525	22.56	23	0-1
				844	20600	22.91	23	0-1
			25	829	20450	22.37	23	0-1
				836.5	20525	22.89	23	0-1
				844	20600	22.90	23	0-1
		50RB		829	20450	22.10	23	0-1
				836.5	20525	23.00	23	0-1
				844	20600	22.86	23	0-1
	16-QAM	1 RB	0	829	20450	22.35	23	0-1
				836.5	20525	22.43	23	0-1
				844	20600	22.21	23	0-1
			25	829	20450	22.91	23	0-1
				836.5	20525	22.40	23	0-1
				844	20600	22.32	23	0-1
			49	829	20450	22.73	23	0-1
				836.5	20525	22.80	23	0-1
				844	20600	22.26	23	0-1
		25 RB	0	829	20450	21.96	22	0-2
				836.5	20525	21.77	22	0-2
				844	20600	21.98	22	0-2
			12	829	20450	21.56	22	0-2
				836.5	20525	21.41	22	0-2
				844	20600	21.95	22	0-2
			25	829	20450	21.65	22	0-2
				836.5	20525	21.80	22	0-2
				844	20600	21.97	22	0-2
		50RB		829	20450	21.12	22	0-2
				836.5	20525	21.32	22	0-2
				844	20600	21.86	22	0-2

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	829	20450	22.33	23	0-1
				836.5	20525	22.61	23	0-1
				844	20600	22.56	23	0-1
			25	829	20450	22.09	23	0-1
				836.5	20525	22.05	23	0-1
				844	20600	22.62	23	0-1
			49	829	20450	22.30	23	0-1
				836.5	20525	22.39	23	0-1
				844	20600	22.20	23	0-1
		25 RB	0	829	20450	21.07	22	0-2
				836.5	20525	21.09	22	0-2
				844	20600	21.15	22	0-2
			12	829	20450	21.04	22	0-2
				836.5	20525	21.17	22	0-2
				844	20600	21.21	22	0-2
			25	829	20450	21.17	22	0-2
				836.5	20525	21.14	22	0-2
				844	20600	21.30	22	0-2
		50RB		829	20450	21.06	22	0-2
				836.5	20525	21.07	22	0-2
				844	20600	21.23	22	0-2

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	826.5	20425	23.53	24	0
				836.5	20525	23.65	24	0
				846.5	20625	23.34	24	0
			12	826.5	20425	23.44	24	0
				836.5	20525	23.57	24	0
				846.5	20625	23.28	24	0
			24	826.5	20425	23.59	24	0
				836.5	20525	23.40	24	0
				846.5	20625	23.12	24	0
		12 RB	0	826.5	20425	22.99	23	0-1
				836.5	20525	22.21	23	0-1
				846.5	20625	22.13	23	0-1
			6	826.5	20425	22.46	23	0-1
				836.5	20525	22.23	23	0-1
				846.5	20625	22.66	23	0-1
			13	826.5	20425	22.73	23	0-1
				836.5	20525	22.21	23	0-1
				846.5	20625	22.68	23	0-1
			25RB	826.5	20425	22.98	23	0-1
				836.5	20525	22.12	23	0-1
				846.5	20625	22.66	23	0-1
	16-QAM	1 RB	0	826.5	20425	22.28	23	0-1
				836.5	20525	22.45	23	0-1
				846.5	20625	22.27	23	0-1
			12	826.5	20425	22.16	23	0-1
				836.5	20525	22.10	23	0-1
				846.5	20625	22.49	23	0-1
			24	826.5	20425	22.43	23	0-1
				836.5	20525	22.55	23	0-1
				846.5	20625	22.13	23	0-1
		12 RB	0	826.5	20425	21.10	22	0-2
				836.5	20525	21.07	22	0-2
				846.5	20625	21.45	22	0-2
			6	826.5	20425	21.32	22	0-2
				836.5	20525	21.56	22	0-2
				846.5	20625	21.14	22	0-2
			13	826.5	20425	22.00	22	0-2
				836.5	20525	21.79	22	0-2
				846.5	20625	21.78	22	0-2
		25RB		826.5	20425	21.52	22	0-2
				836.5	20525	21.68	22	0-2
				846.5	20625	21.55	22	0-2

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	826.5	20425	22.42	23	0-1
				836.5	20525	22.60	23	0-1
				846.5	20625	22.45	23	0-1
			12	826.5	20425	22.04	23	0-1
				836.5	20525	22.09	23	0-1
				846.5	20625	22.68	23	0-1
			24	826.5	20425	22.33	23	0-1
				836.5	20525	22.46	23	0-1
				846.5	20625	22.29	23	0-1
		12 RB	0	826.5	20425	21.03	22	0-2
				836.5	20525	21.00	22	0-2
				846.5	20625	21.33	22	0-2
			6	826.5	20425	21.05	22	0-2
				836.5	20525	21.10	22	0-2
				846.5	20625	21.08	22	0-2
			13	826.5	20425	21.16	22	0-2
				836.5	20525	21.14	22	0-2
				846.5	20625	21.28	22	0-2
		25RB		826.5	20425	21.03	22	0-2
				836.5	20525	21.09	22	0-2
				846.5	20625	21.12	22	0-2

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	825.5	20415	23.42	24	0
				836.5	20525	23.43	24	0
				847.5	20635	23.51	24	0
			7	825.5	20415	23.37	24	0
				836.5	20525	23.43	24	0
				847.5	20635	23.51	24	0
			14	825.5	20415	23.24	24	0
				836.5	20525	23.34	24	0
				847.5	20635	23.56	24	0
		8 RB	0	825.5	20415	22.85	23	0-1
				836.5	20525	22.74	23	0-1
				847.5	20635	22.82	23	0-1
			4	825.5	20415	22.83	23	0-1
				836.5	20525	22.46	23	0-1
				847.5	20635	22.99	23	0-1
			7	825.5	20415	22.83	23	0-1
				836.5	20525	22.91	23	0-1
				847.5	20635	22.92	23	0-1
		15RB		825.5	20415	22.84	23	0-1
				836.5	20525	22.91	23	0-1
				847.5	20635	22.95	23	0-1
	16-QAM	1 RB	0	825.5	20415	22.91	23	0-1
				836.5	20525	22.45	23	0-1
				847.5	20635	22.36	23	0-1
			7	825.5	20415	22.78	23	0-1
				836.5	20525	22.57	23	0-1
				847.5	20635	22.27	23	0-1
			14	825.5	20415	22.89	23	0-1
				836.5	20525	22.99	23	0-1
				847.5	20635	22.10	23	0-1
		8 RB	0	825.5	20415	21.86	22	0-2
				836.5	20525	21.80	22	0-2
				847.5	20635	21.96	22	0-2
			4	825.5	20415	21.78	22	0-2
				836.5	20525	21.79	22	0-2
				847.5	20635	21.67	22	0-2
			7	825.5	20415	21.90	22	0-2
				836.5	20525	21.48	22	0-2
				847.5	20635	21.05	22	0-2
		15RB		825.5	20415	21.85	22	0-2
				836.5	20525	21.45	22	0-2
				847.5	20635	21.75	22	0-2

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	825.5	20415	22.43	23	0-1
				836.5	20525	22.62	23	0-1
				847.5	20635	22.48	23	0-1
			7	825.5	20415	22.20	23	0-1
				836.5	20525	22.07	23	0-1
				847.5	20635	22.69	23	0-1
			14	825.5	20415	22.34	23	0-1
				836.5	20525	22.39	23	0-1
				847.5	20635	22.33	23	0-1
		8 RB	0	825.5	20415	21.06	22	0-2
				836.5	20525	21.08	22	0-2
				847.5	20635	21.26	22	0-2
			4	825.5	20415	21.08	22	0-2
				836.5	20525	21.10	22	0-2
				847.5	20635	21.19	22	0-2
			7	825.5	20415	21.15	22	0-2
				836.5	20525	21.14	22	0-2
				847.5	20635	21.15	22	0-2
		15RB		825.5	20415	21.03	22	0-2
				836.5	20525	21.13	22	0-2
				847.5	20635	21.16	22	0-2

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	824.7	20407	23.36	24	0
				836.5	20525	23.42	24	0
				848.3	20643	23.38	24	0
			2	824.7	20407	23.36	24	0
				836.5	20525	23.42	24	0
				848.3	20643	23.31	24	0
			5	824.7	20407	23.29	24	0
				836.5	20525	23.48	24	0
				848.3	20643	23.29	24	0
		3 RB	0	824.7	20407	22.32	23	0-1
				836.5	20525	22.56	23	0-1
				848.3	20643	22.33	23	0-1
			2	824.7	20407	22.43	23	0-1
				836.5	20525	22.48	23	0-1
				848.3	20643	22.39	23	0-1
			3	824.7	20407	22.46	23	0-1
				836.5	20525	22.47	23	0-1
				848.3	20643	22.56	23	0-1
		6RB		824.7	20407	22.84	23	0-1
				836.5	20525	22.62	23	0-1
				848.3	20643	22.87	23	0-1
	16-QAM	1 RB	0	824.7	20407	22.70	23	0-1
				836.5	20525	22.65	23	0-1
				848.3	20643	22.66	23	0-1
			2	824.7	20407	22.21	23	0-1
				836.5	20525	22.23	23	0-1
				848.3	20643	22.65	23	0-1
			5	824.7	20407	22.88	23	0-1
				836.5	20525	22.46	23	0-1
				848.3	20643	22.94	23	0-1
		3 RB	0	824.7	20407	21.41	22	0-2
				836.5	20525	21.98	22	0-2
				848.3	20643	21.95	22	0-2
			2	824.7	20407	21.72	22	0-2
				836.5	20525	21.40	22	0-2
				848.3	20643	21.94	22	0-2
			3	824.7	20407	21.76	22	0-2
				836.5	20525	21.97	22	0-2
				848.3	20643	21.91	22	0-2
		6RB		824.7	20407	21.89	22	0-2
				836.5	20525	21.97	22	0-2
				848.3	20643	21.67	22	0-2

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FDD Band 5 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	824.7	20407	22.51	23	0-1
				836.5	20525	22.63	23	0-1
				848.3	20643	22.50	23	0-1
			2	824.7	20407	22.19	23	0-1
				836.5	20525	22.14	23	0-1
				848.3	20643	22.69	23	0-1
			5	824.7	20407	22.37	23	0-1
				836.5	20525	22.44	23	0-1
				848.3	20643	22.32	23	0-1
		3 RB	0	824.7	20407	21.08	22	0-2
				836.5	20525	21.05	22	0-2
				848.3	20643	21.18	22	0-2
			2	824.7	20407	21.09	22	0-2
				836.5	20525	21.19	22	0-2
				848.3	20643	21.11	22	0-2
			3	824.7	20407	21.14	22	0-2
				836.5	20525	21.24	22	0-2
				848.3	20643	21.14	22	0-2
		6RB		824.7	20407	21.02	22	0-2
				836.5	20525	21.15	22	0-2
				848.3	20643	21.06	22	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	2510	20850	22.82	23	0
				2535	21100	22.98	23	0
				2560	21350	22.90	23	0
			50	2510	20850	22.77	23	0
				2535	21100	22.85	23	0
				2560	21350	22.84	23	0
			99	2510	20850	22.70	23	0
				2535	21100	22.91	23	0
				2560	21350	22.92	23	0
		50 RB	0	2510	20850	21.88	22	0-1
				2535	21100	21.94	22	0-1
				2560	21350	21.90	22	0-1
			25	2510	20850	21.53	22	0-1
				2535	21100	21.91	22	0-1
				2560	21350	21.95	22	0-1
			50	2510	20850	21.79	22	0-1
				2535	21100	21.94	22	0-1
				2560	21350	21.73	22	0-1
		100RB		2510	20850	21.88	22	0-1
				2535	21100	21.76	22	0-1
				2560	21350	21.56	22	0-1
	16-QAM	1 RB	0	2510	20850	21.35	22	0-1
				2535	21100	21.80	22	0-1
				2560	21350	21.98	22	0-1
			50	2510	20850	21.91	22	0-1
				2535	21100	21.44	22	0-1
				2560	21350	21.22	22	0-1
			99	2510	20850	21.51	22	0-1
				2535	21100	21.71	22	0-1
				2560	21350	21.68	22	0-1
		50 RB	0	2510	20850	20.75	21	0-2
				2535	21100	20.90	21	0-2
				2560	21350	20.94	21	0-2
			25	2510	20850	20.97	21	0-2
				2535	21100	20.86	21	0-2
				2560	21350	20.92	21	0-2
			50	2510	20850	20.71	21	0-2
				2535	21100	20.87	21	0-2
				2560	21350	20.77	21	0-2
		100RB		2510	20850	20.66	21	0-2
				2535	21100	20.92	21	0-2
				2560	21350	20.90	21	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	2510	20850	21.40	22	0-1
				2535	21100	21.26	22	0-1
				2560	21350	21.34	22	0-1
			50	2510	20850	21.23	22	0-1
				2535	21100	21.20	22	0-1
				2560	21350	21.36	22	0-1
			99	2510	20850	21.33	22	0-1
				2535	21100	21.34	22	0-1
				2560	21350	21.35	22	0-1
		50 RB	0	2510	20850	20.36	21	0-2
				2535	21100	20.29	21	0-2
				2560	21350	20.20	21	0-2
			25	2510	20850	20.30	21	0-2
				2535	21100	20.49	21	0-2
				2560	21350	20.65	21	0-2
			50	2510	20850	20.53	21	0-2
				2535	21100	20.77	21	0-2
				2560	21350	20.42	21	0-2
		100RB		2510	20850	20.46	21	0-2
				2535	21100	20.38	21	0-2
				2560	21350	20.42	21	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	2507.5	20825	22.79	23	0
				2535	21100	22.94	23	0
				2562.5	21375	22.86	23	0
			36	2507.5	20825	22.85	23	0
				2535	21100	22.84	23	0
				2562.5	21375	22.77	23	0
			74	2507.5	20825	22.95	23	0
				2535	21100	22.94	23	0
				2562.5	21375	22.82	23	0
		36 RB	0	2507.5	20825	21.80	22	0-1
				2535	21100	21.91	22	0-1
				2562.5	21375	21.87	22	0-1
			18	2507.5	20825	21.92	22	0-1
				2535	21100	21.98	22	0-1
				2562.5	21375	21.92	22	0-1
			37	2507.5	20825	21.76	22	0-1
				2535	21100	21.90	22	0-1
				2562.5	21375	21.86	22	0-1
			75RB	2507.5	20825	21.96	22	0-1
				2535	21100	21.94	22	0-1
				2562.5	21375	21.85	22	0-1
	16-QAM	1 RB	0	2507.5	20825	21.44	22	0-1
				2535	21100	21.96	22	0-1
				2562.5	21375	21.45	22	0-1
			36	2507.5	20825	21.25	22	0-1
				2535	21100	21.74	22	0-1
				2562.5	21375	21.26	22	0-1
			74	2507.5	20825	21.90	22	0-1
				2535	21100	21.84	22	0-1
				2562.5	21375	21.59	22	0-1
		36 RB	0	2507.5	20825	20.84	21	0-2
				2535	21100	20.87	21	0-2
				2562.5	21375	20.88	21	0-2
			18	2507.5	20825	20.90	21	0-2
				2535	21100	20.98	21	0-2
				2562.5	21375	20.94	21	0-2
			37	2507.5	20825	20.70	21	0-2
				2535	21100	20.78	21	0-2
				2562.5	21375	20.54	21	0-2
			75RB	2507.5	20825	20.95	21	0-2
				2535	21100	20.97	21	0-2
				2562.5	21375	20.88	21	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	2507.5	20825	21.16	22	0-1
				2535	21100	21.01	22	0-1
				2562.5	21375	21.07	22	0-1
			36	2507.5	20825	20.68	22	0-1
				2535	21100	21.08	22	0-1
				2562.5	21375	21.25	22	0-1
			74	2507.5	20825	21.20	22	0-1
				2535	21100	21.28	22	0-1
				2562.5	21375	21.15	22	0-1
		36 RB	0	2507.5	20825	20.05	21	0-2
				2535	21100	20.01	21	0-2
				2562.5	21375	20.05	21	0-2
			18	2507.5	20825	19.88	21	0-2
				2535	21100	19.95	21	0-2
				2562.5	21375	20.14	21	0-2
			37	2507.5	20825	19.91	21	0-2
				2535	21100	19.90	21	0-2
				2562.5	21375	20.13	21	0-2
		75RB		2507.5	20825	20.01	21	0-2
				2535	21100	19.92	21	0-2
				2562.5	21375	20.06	21	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	2505	20800	22.85	23	0
				2535	21100	22.82	23	0
				2565	21400	22.94	23	0
			25	2505	20800	22.73	23	0
				2535	21100	22.77	23	0
				2565	21400	22.86	23	0
			49	2505	20800	22.89	23	0
				2535	21100	22.97	23	0
				2565	21400	22.85	23	0
		25 RB	0	2505	20800	21.90	22	0-1
				2535	21100	21.80	22	0-1
				2565	21400	21.88	22	0-1
			12	2505	20800	21.91	22	0-1
				2535	21100	21.83	22	0-1
				2565	21400	21.90	22	0-1
			25	2505	20800	21.91	22	0-1
				2535	21100	21.89	22	0-1
				2565	21400	21.88	22	0-1
		50RB		2505	20800	21.87	22	0-1
				2535	21100	21.95	22	0-1
				2565	21400	21.85	22	0-1
	16-QAM	1 RB	0	2505	20800	21.95	22	0-1
				2535	21100	21.73	22	0-1
				2565	21400	21.75	22	0-1
			25	2505	20800	21.90	22	0-1
				2535	21100	21.31	22	0-1
				2565	21400	21.73	22	0-1
			49	2505	20800	21.31	22	0-1
				2535	21100	21.27	22	0-1
				2565	21400	21.77	22	0-1
		25 RB	0	2505	20800	20.92	21	0-2
				2535	21100	20.96	21	0-2
				2565	21400	20.84	21	0-2
			12	2505	20800	20.96	21	0-2
				2535	21100	20.93	21	0-2
				2565	21400	20.77	21	0-2
			25	2505	20800	20.95	21	0-2
				2535	21100	20.91	21	0-2
				2565	21400	20.90	21	0-2
		50RB		2505	20800	20.88	21	0-2
				2535	21100	20.91	21	0-2
				2565	21400	20.67	21	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	2505	20800	21.09	22	0-1
				2535	21100	21.00	22	0-1
				2565	21400	21.06	22	0-1
			25	2505	20800	20.58	22	0-1
				2535	21100	21.16	22	0-1
				2565	21400	21.24	22	0-1
			49	2505	20800	21.18	22	0-1
				2535	21100	21.21	22	0-1
				2565	21400	21.06	22	0-1
		25 RB	0	2505	20800	20.06	21	0-2
				2535	21100	19.88	21	0-2
				2565	21400	20.02	21	0-2
			12	2505	20800	19.99	21	0-2
				2535	21100	19.96	21	0-2
				2565	21400	20.02	21	0-2
			25	2505	20800	19.83	21	0-2
				2535	21100	19.91	21	0-2
				2565	21400	20.21	21	0-2
		50RB		2505	20800	20.04	21	0-2
				2535	21100	19.83	21	0-2
				2565	21400	20.02	21	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	2502.5	20775	22.78	23	0
				2535	21100	22.88	23	0
				2567.5	21425	22.74	23	0
			12	2502.5	20775	22.74	23	0
				2535	21100	22.81	23	0
				2567.5	21425	22.89	23	0
			24	2502.5	20775	22.70	23	0
				2535	21100	22.79	23	0
				2567.5	21425	22.76	23	0
		12 RB	0	2502.5	20775	21.89	22	0-1
				2535	21100	21.85	22	0-1
				2567.5	21425	21.92	22	0-1
			6	2502.5	20775	21.74	22	0-1
				2535	21100	21.89	22	0-1
				2567.5	21425	21.90	22	0-1
			13	2502.5	20775	21.87	22	0-1
				2535	21100	21.82	22	0-1
				2567.5	21425	21.81	22	0-1
			25RB	2502.5	20775	21.87	22	0-1
				2535	21100	21.78	22	0-1
				2567.5	21425	21.65	22	0-1
	16-QAM	1 RB	0	2502.5	20775	21.43	22	0-1
				2535	21100	21.22	22	0-1
				2567.5	21425	21.69	22	0-1
			12	2502.5	20775	21.46	22	0-1
				2535	21100	21.18	22	0-1
				2567.5	21425	21.93	22	0-1
			24	2502.5	20775	21.96	22	0-1
				2535	21100	21.93	22	0-1
				2567.5	21425	21.34	22	0-1
		12 RB	0	2502.5	20775	20.86	21	0-2
				2535	21100	20.93	21	0-2
				2567.5	21425	20.79	21	0-2
			6	2502.5	20775	20.87	21	0-2
				2535	21100	20.99	21	0-2
				2567.5	21425	20.88	21	0-2
			13	2502.5	20775	20.90	21	0-2
				2535	21100	20.81	21	0-2
				2567.5	21425	20.78	21	0-2
			25RB	2502.5	20775	20.89	21	0-2
				2535	21100	20.75	21	0-2
				2567.5	21425	20.86	21	0-2

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FDD Band 7 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	2502.5	20775	21.03	22	0-1
				2535	21100	20.99	22	0-1
				2567.5	21425	21.12	22	0-1
			12	2502.5	20775	20.60	22	0-1
				2535	21100	21.12	22	0-1
				2567.5	21425	21.12	22	0-1
			24	2502.5	20775	21.03	22	0-1
				2535	21100	21.28	22	0-1
				2567.5	21425	21.04	22	0-1
		12 RB	0	2502.5	20775	19.96	21	0-2
				2535	21100	19.95	21	0-2
				2567.5	21425	19.95	21	0-2
			6	2502.5	20775	19.85	21	0-2
				2535	21100	20.01	21	0-2
				2567.5	21425	20.03	21	0-2
			13	2502.5	20775	19.97	21	0-2
				2535	21100	19.90	21	0-2
				2567.5	21425	20.12	21	0-2
		25RB		2502.5	20775	20.03	21	0-2
				2535	21100	19.93	21	0-2
				2567.5	21425	20.07	21	0-2

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	2510	20850	21.71	22	0
				2535	21100	21.74	22	0
				2560	21350	21.62	22	0
			50	2510	20850	21.60	22	0
				2535	21100	21.54	22	0
				2560	21350	21.59	22	0
			99	2510	20850	21.70	22	0
				2535	21100	21.54	22	0
				2560	21350	21.65	22	0
		50 RB	0	2510	20850	21.59	22	0
				2535	21100	21.55	22	0
				2560	21350	21.58	22	0
			25	2510	20850	21.68	22	0
				2535	21100	21.63	22	0
				2560	21350	21.59	22	0
			50	2510	20850	21.60	22	0
				2535	21100	21.64	22	0
				2560	21350	21.61	22	0
		100RB		2510	20850	21.56	22	0
				2535	21100	21.60	22	0
				2560	21350	21.58	22	0
	16-QAM	1 RB	0	2510	20850	21.04	22	0
				2535	21100	21.53	22	0
				2560	21350	21.22	22	0
			50	2510	20850	21.09	22	0
				2535	21100	21.12	22	0
				2560	21350	21.08	22	0
			99	2510	20850	21.26	22	0
				2535	21100	21.12	22	0
				2560	21350	21.26	22	0
		50 RB	0	2510	20850	21.09	22	0
				2535	21100	21.18	22	0
				2560	21350	21.09	22	0
			25	2510	20850	21.19	22	0
				2535	21100	21.18	22	0
				2560	21350	21.09	22	0
			50	2510	20850	21.12	22	0
				2535	21100	21.17	22	0
				2560	21350	21.08	22	0
		100RB		2510	20850	21.21	22	0
				2535	21100	21.09	22	0
				2560	21350	21.11	22	0

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	2510	20850	21.23	22	0
				2535	21100	21.42	22	0
				2560	21350	21.27	22	0
			50	2510	20850	21.32	22	0
				2535	21100	21.6	22	0
				2560	21350	21.23	22	0
			99	2510	20850	21.71	22	0
				2535	21100	21.44	22	0
				2560	21350	21.7	22	0
		50 RB	0	2510	20850	21.58	22	0
				2535	21100	21.38	22	0
				2560	21350	21.67	22	0
			25	2510	20850	21.5	22	0
				2535	21100	21.63	22	0
				2560	21350	21.68	22	0
			50	2510	20850	21.69	22	0
				2535	21100	21.7	22	0
				2560	21350	21.5	22	0
		100RB		2510	20850	21.33	22	0
				2535	21100	21.49	22	0
				2560	21350	21.5	22	0

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	2507.5	20825	21.48	22	0
				2535	21100	21.65	22	0
				2562.5	21375	21.54	22	0
			36	2507.5	20825	21.55	22	0
				2535	21100	21.51	22	0
				2562.5	21375	21.52	22	0
			74	2507.5	20825	21.71	22	0
				2535	21100	21.71	22	0
				2562.5	21375	21.54	22	0
		36 RB	0	2507.5	20825	21.64	22	0
				2535	21100	21.60	22	0
				2562.5	21375	21.56	22	0
			18	2507.5	20825	21.63	22	0
				2535	21100	21.60	22	0
				2562.5	21375	21.57	22	0
			37	2507.5	20825	21.72	22	0
				2535	21100	21.64	22	0
				2562.5	21375	21.54	22	0
		75RB	2507.5	20825	21.59	22	0	
			2535	21100	21.58	22	0	
			2562.5	21375	21.59	22	0	
	16-QAM	1 RB	0	2507.5	20825	21.31	22	0
				2535	21100	21.58	22	0
				2562.5	21375	21.22	22	0
			36	2507.5	20825	21.38	22	0
				2535	21100	21.30	22	0
				2562.5	21375	21.26	22	0
			74	2507.5	20825	21.09	22	0
				2535	21100	21.08	22	0
				2562.5	21375	21.12	22	0
		36 RB	0	2507.5	20825	21.02	22	0
				2535	21100	21.18	22	0
				2562.5	21375	21.04	22	0
			18	2507.5	20825	21.15	22	0
				2535	21100	21.08	22	0
				2562.5	21375	21.07	22	0
			37	2507.5	20825	21.24	22	0
				2535	21100	21.10	22	0
				2562.5	21375	21.05	22	0
		75RB	2507.5	20825	21.12	22	0	
			2535	21100	21.05	22	0	
			2562.5	21375	21.14	22	0	

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	2507.5	20825	21.59	22	0
				2535	21100	21.38	22	0
				2562.5	21375	21.32	22	0
			36	2507.5	20825	21.59	22	0
				2535	21100	21.51	22	0
				2562.5	21375	21.69	22	0
			74	2507.5	20825	21.26	22	0
				2535	21100	21.15	22	0
				2562.5	21375	21.23	22	0
		36 RB	0	2507.5	20825	21.23	22	0
				2535	21100	21.58	22	0
				2562.5	21375	21.30	22	0
			18	2507.5	20825	21.42	22	0
				2535	21100	21.53	22	0
				2562.5	21375	21.17	22	0
			37	2507.5	20825	21.16	22	0
				2535	21100	21.37	22	0
				2562.5	21375	21.50	22	0
		75RB		2507.5	20825	21.54	22	0
				2535	21100	21.42	22	0
				2562.5	21375	21.43	22	0

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	2505	20800	21.48	22	0
				2535	21100	21.52	22	0
				2565	21400	21.56	22	0
			25	2505	20800	21.56	22	0
				2535	21100	21.67	22	0
				2565	21400	21.49	22	0
			49	2505	20800	21.67	22	0
				2535	21100	21.47	22	0
				2565	21400	21.58	22	0
		25 RB	0	2505	20800	21.55	22	0
				2535	21100	21.58	22	0
				2565	21400	21.50	22	0
			12	2505	20800	21.56	22	0
				2535	21100	21.63	22	0
				2565	21400	21.59	22	0
			25	2505	20800	21.52	22	0
				2535	21100	21.57	22	0
				2565	21400	21.58	22	0
		50RB		2505	20800	21.56	22	0
				2535	21100	21.58	22	0
				2565	21400	21.53	22	0
	16-QAM	1 RB	0	2505	20800	21.29	22	0
				2535	21100	21.26	22	0
				2565	21400	21.50	22	0
			25	2505	20800	21.38	22	0
				2535	21100	21.45	22	0
				2565	21400	21.37	22	0
			49	2505	20800	21.21	22	0
				2535	21100	21.33	22	0
				2565	21400	21.23	22	0
		25 RB	0	2505	20800	21.14	22	0
				2535	21100	21.09	22	0
				2565	21400	21.11	22	0
			12	2505	20800	21.13	22	0
				2535	21100	21.13	22	0
				2565	21400	21.06	22	0
			25	2505	20800	21.03	22	0
				2535	21100	21.02	22	0
				2565	21400	20.95	22	0
		50RB		2505	20800	21.05	22	0
				2535	21100	21.07	22	0
				2565	21400	21.07	22	0

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	2505	20800	21.39	22	0
				2535	21100	21.60	22	0
				2565	21400	21.30	22	0
			25	2505	20800	21.36	22	0
				2535	21100	21.40	22	0
				2565	21400	21.61	22	0
			49	2505	20800	21.69	22	0
				2535	21100	21.22	22	0
				2565	21400	21.33	22	0
		25 RB	0	2505	20800	21.40	22	0
				2535	21100	21.13	22	0
				2565	21400	21.42	22	0
			12	2505	20800	21.14	22	0
				2535	21100	21.67	22	0
				2565	21400	21.16	22	0
			25	2505	20800	21.21	22	0
				2535	21100	21.42	22	0
				2565	21400	21.21	22	0
		50RB		2505	20800	21.41	22	0
				2535	21100	21.69	22	0
				2565	21400	21.63	22	0

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	2502.5	20775	21.55	22	0
				2535	21100	21.53	22	0
				2567.5	21425	21.40	22	0
			12	2502.5	20775	21.50	22	0
				2535	21100	21.42	22	0
				2567.5	21425	21.53	22	0
			24	2502.5	20775	21.51	22	0
				2535	21100	21.48	22	0
				2567.5	21425	21.41	22	0
		12 RB	0	2502.5	20775	21.48	22	0
				2535	21100	21.55	22	0
				2567.5	21425	21.49	22	0
			6	2502.5	20775	21.62	22	0
				2535	21100	21.59	22	0
				2567.5	21425	21.53	22	0
			13	2502.5	20775	21.56	22	0
				2535	21100	21.53	22	0
				2567.5	21425	21.50	22	0
			25RB	2502.5	20775	21.57	22	0
				2535	21100	21.54	22	0
				2567.5	21425	21.61	22	0
	16-QAM	1 RB	0	2502.5	20775	21.24	22	0
				2535	21100	21.23	22	0
				2567.5	21425	21.29	22	0
			12	2502.5	20775	21.37	22	0
				2535	21100	21.32	22	0
				2567.5	21425	21.04	22	0
			24	2502.5	20775	21.35	22	0
				2535	21100	21.40	22	0
				2567.5	21425	21.32	22	0
		12 RB	0	2502.5	20775	21.09	22	0
				2535	21100	21.02	22	0
				2567.5	21425	21.12	22	0
			6	2502.5	20775	21.12	22	0
				2535	21100	21.19	22	0
				2567.5	21425	21.12	22	0
			13	2502.5	20775	21.11	22	0
				2535	21100	21.23	22	0
				2567.5	21425	21.05	22	0
			25RB	2502.5	20775	21.15	22	0
				2535	21100	21.10	22	0
				2567.5	21425	21.01	22	0

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FDD Band 7 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	2502.5	20775	21.71	22	0
				2535	21100	21.72	22	0
				2567.5	21425	21.54	22	0
			12	2502.5	20775	21.6	22	0
				2535	21100	21.69	22	0
				2567.5	21425	21.63	22	0
			24	2502.5	20775	21.5	22	0
				2535	21100	21.59	22	0
				2567.5	21425	21.29	22	0
		12 RB	0	2502.5	20775	21.28	22	0
				2535	21100	21.53	22	0
				2567.5	21425	21.27	22	0
			6	2502.5	20775	21.72	22	0
				2535	21100	21.15	22	0
				2567.5	21425	21.29	22	0
			13	2502.5	20775	21.7	22	0
				2535	21100	21.39	22	0
				2567.5	21425	21.16	22	0
		25RB		2502.5	20775	21.61	22	0
				2535	21100	21.28	22	0
				2567.5	21425	21.54	22	0

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	704	23060	23.86	24	0
				707.5	23095	23.75	24	0
				711	23130	23.81	24	0
			25	704	23060	23.67	24	0
				707.5	23095	23.34	24	0
				711	23130	23.80	24	0
			49	704	23060	23.99	24	0
				707.5	23095	23.87	24	0
				711	23130	23.81	24	0
		25 RB	0	704	23060	22.93	23	0-1
				707.5	23095	22.87	23	0-1
				711	23130	22.97	23	0-1
			12	704	23060	22.80	23	0-1
				707.5	23095	22.88	23	0-1
				711	23130	22.73	23	0-1
			25	704	23060	22.91	23	0-1
				707.5	23095	22.95	23	0-1
				711	23130	22.86	23	0-1
		50RB		704	23060	22.90	23	0-1
				707.5	23095	22.87	23	0-1
				711	23130	22.64	23	0-1
	16-QAM	1 RB	0	704	23060	22.66	23	0-1
				707.5	23095	22.70	23	0-1
				711	23130	22.84	23	0-1
			25	704	23060	22.71	23	0-1
				707.5	23095	22.47	23	0-1
				711	23130	22.58	23	0-1
			49	704	23060	22.42	23	0-1
				707.5	23095	22.30	23	0-1
				711	23130	22.68	23	0-1
		25 RB	0	704	23060	21.95	22	0-2
				707.5	23095	21.83	22	0-2
				711	23130	22.00	22	0-2
			12	704	23060	21.67	22	0-2
				707.5	23095	21.91	22	0-2
				711	23130	21.76	22	0-2
			25	704	23060	21.82	22	0-2
				707.5	23095	22.00	22	0-2
				711	23130	21.95	22	0-2
		50RB		704	23060	21.97	22	0-2
				707.5	23095	21.90	22	0-2
				711	23130	21.93	22	0-2

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	704	23060	22.12	23	0-1
				707.5	23095	22.41	23	0-1
				711	23130	22.65	23	0-1
			25	704	23060	22.44	23	0-1
				707.5	23095	22.20	23	0-1
				711	23130	22.21	23	0-1
			49	704	23060	22.33	23	0-1
				707.5	23095	22.38	23	0-1
				711	23130	22.79	23	0-1
		25 RB	0	704	23060	21.00	22	0-2
				707.5	23095	21.14	22	0-2
				711	23130	21.07	22	0-2
			12	704	23060	21.03	22	0-2
				707.5	23095	21.08	22	0-2
				711	23130	21.14	22	0-2
			25	704	23060	21.09	22	0-2
				707.5	23095	21.30	22	0-2
				711	23130	21.30	22	0-2
		50RB		704	23060	20.97	22	0-2
				707.5	23095	21.04	22	0-2
				711	23130	21.15	22	0-2

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	701.5	23035	23.39	24	0
				707.5	23095	23.77	24	0
				713.5	23155	23.63	24	0
			12	701.5	23035	23.91	24	0
				707.5	23095	23.92	24	0
				713.5	23155	23.89	24	0
			24	701.5	23035	23.73	24	0
				707.5	23095	23.79	24	0
				713.5	23155	23.79	24	0
		12 RB	0	701.5	23035	22.43	23	0-1
				707.5	23095	22.87	23	0-1
				713.5	23155	22.94	23	0-1
			6	701.5	23035	22.72	23	0-1
				707.5	23095	23.00	23	0-1
				713.5	23155	22.93	23	0-1
			13	701.5	23035	22.87	23	0-1
				707.5	23095	22.74	23	0-1
				713.5	23155	22.95	23	0-1
			25RB	701.5	23035	22.95	23	0-1
				707.5	23095	22.67	23	0-1
				713.5	23155	22.81	23	0-1
	16-QAM	1 RB	0	701.5	23035	22.92	23	0-1
				707.5	23095	23.00	23	0-1
				713.5	23155	22.77	23	0-1
			12	701.5	23035	22.83	23	0-1
				707.5	23095	22.98	23	0-1
				713.5	23155	22.80	23	0-1
			24	701.5	23035	22.62	23	0-1
				707.5	23095	22.71	23	0-1
				713.5	23155	22.82	23	0-1
		12 RB	0	701.5	23035	21.72	22	0-2
				707.5	23095	21.88	22	0-2
				713.5	23155	22.00	22	0-2
			6	701.5	23035	21.99	22	0-2
				707.5	23095	21.53	22	0-2
				713.5	23155	21.89	22	0-2
			13	701.5	23035	21.94	22	0-2
				707.5	23095	21.91	22	0-2
				713.5	23155	21.80	22	0-2
			25RB	701.5	23035	21.74	22	0-2
				707.5	23095	21.87	22	0-2
				713.5	23155	22.00	22	0-2

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	701.5	23035	22.05	23	0-1
				707.5	23095	22.42	23	0-1
				713.5	23155	22.51	23	0-1
			12	701.5	23035	22.57	23	0-1
				707.5	23095	22.32	23	0-1
				713.5	23155	22.36	23	0-1
			24	701.5	23035	22.33	23	0-1
				707.5	23095	22.51	23	0-1
				713.5	23155	22.74	23	0-1
		12 RB	0	701.5	23035	21.04	22	0-2
				707.5	23095	21.12	22	0-2
				713.5	23155	21.06	22	0-2
			6	701.5	23035	20.97	22	0-2
				707.5	23095	21.01	22	0-2
				713.5	23155	21.24	22	0-2
			13	701.5	23035	21.13	22	0-2
				707.5	23095	21.30	22	0-2
				713.5	23155	21.44	22	0-2
		25RB		701.5	23035	21.03	22	0-2
				707.5	23095	20.95	22	0-2
				713.5	23155	21.19	22	0-2

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	700.5	23025	23.64	24	0
				707.5	23095	23.63	24	0
				714.5	23165	23.48	24	0
			7	700.5	23025	23.56	24	0
				707.5	23095	23.78	24	0
				714.5	23165	23.77	24	0
			14	700.5	23025	23.89	24	0
				707.5	23095	23.86	24	0
				714.5	23165	23.60	24	0
		8 RB	0	700.5	23025	22.97	23	0-1
				707.5	23095	22.96	23	0-1
				714.5	23165	22.84	23	0-1
			4	700.5	23025	22.89	23	0-1
				707.5	23095	22.99	23	0-1
				714.5	23165	22.89	23	0-1
			7	700.5	23025	22.87	23	0-1
				707.5	23095	22.95	23	0-1
				714.5	23165	22.94	23	0-1
		15RB		700.5	23025	22.42	23	0-1
				707.5	23095	22.99	23	0-1
				714.5	23165	22.96	23	0-1
	16-QAM	1 RB	0	700.5	23025	22.80	23	0-1
				707.5	23095	22.72	23	0-1
				714.5	23165	22.31	23	0-1
			7	700.5	23025	22.88	23	0-1
				707.5	23095	22.72	23	0-1
				714.5	23165	22.89	23	0-1
			14	700.5	23025	22.84	23	0-1
				707.5	23095	22.77	23	0-1
				714.5	23165	22.84	23	0-1
		8 RB	0	700.5	23025	21.67	22	0-2
				707.5	23095	21.82	22	0-2
				714.5	23165	21.86	22	0-2
			4	700.5	23025	21.90	22	0-2
				707.5	23095	21.99	22	0-2
				714.5	23165	21.99	22	0-2
			7	700.5	23025	21.87	22	0-2
				707.5	23095	21.89	22	0-2
				714.5	23165	21.96	22	0-2
		15RB		700.5	23025	21.77	22	0-2
				707.5	23095	21.98	22	0-2
				714.5	23165	21.95	22	0-2

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	700.5	23025	22.04	23	0-1
				707.5	23095	22.44	23	0-1
				714.5	23165	22.66	23	0-1
			7	700.5	23025	22.60	23	0-1
				707.5	23095	22.35	23	0-1
				714.5	23165	22.34	23	0-1
			14	700.5	23025	22.39	23	0-1
				707.5	23095	22.53	23	0-1
				714.5	23165	22.84	23	0-1
		8 RB	0	700.5	23025	21.03	22	0-2
				707.5	23095	21.05	22	0-2
				714.5	23165	21.22	22	0-2
			4	700.5	23025	21.13	22	0-2
				707.5	23095	21.04	22	0-2
				714.5	23165	21.10	22	0-2
			7	700.5	23025	21.17	22	0-2
				707.5	23095	21.32	22	0-2
				714.5	23165	21.42	22	0-2
		15RB		700.5	23025	21.02	22	0-2
				707.5	23095	20.97	22	0-2
				714.5	23165	21.14	22	0-2

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	699.7	23017	23.73	24	0
				707.5	23095	23.94	24	0
				715.3	23173	23.60	24	0
			2	699.7	23017	23.85	24	0
				707.5	23095	23.89	24	0
				715.3	23173	23.69	24	0
			5	699.7	23017	23.61	24	0
				707.5	23095	23.74	24	0
				715.3	23173	23.57	24	0
		3 RB	0	699.7	23017	22.75	23	0-1
				707.5	23095	22.92	23	0-1
				715.3	23173	22.63	23	0-1
			2	699.7	23017	22.82	23	0-1
				707.5	23095	22.91	23	0-1
				715.3	23173	22.83	23	0-1
			3	699.7	23017	22.77	23	0-1
				707.5	23095	22.79	23	0-1
				715.3	23173	22.82	23	0-1
		6RB		699.7	23017	22.74	23	0-1
				707.5	23095	22.82	23	0-1
				715.3	23173	22.79	23	0-1
	16-QAM	1 RB	0	699.7	23017	22.75	23	0-1
				707.5	23095	22.86	23	0-1
				715.3	23173	22.70	23	0-1
			2	699.7	23017	22.64	23	0-1
				707.5	23095	22.81	23	0-1
				715.3	23173	22.20	23	0-1
			5	699.7	23017	22.88	23	0-1
				707.5	23095	22.60	23	0-1
				715.3	23173	22.95	23	0-1
		3 RB	0	699.7	23017	21.96	22	0-2
				707.5	23095	21.84	22	0-2
				715.3	23173	21.78	22	0-2
			2	699.7	23017	21.75	22	0-2
				707.5	23095	21.59	22	0-2
				715.3	23173	21.70	22	0-2
			3	699.7	23017	21.78	22	0-2
				707.5	23095	21.63	22	0-2
				715.3	23173	21.75	22	0-2
		6RB		699.7	23017	21.85	22	0-2
				707.5	23095	21.95	22	0-2
				715.3	23173	21.87	22	0-2

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FDD Band 12 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	699.7	23017	22.04	23	0-1
				707.5	23095	22.41	23	0-1
				715.3	23173	22.58	23	0-1
			2	699.7	23017	22.46	23	0-1
				707.5	23095	22.36	23	0-1
				715.3	23173	22.31	23	0-1
			5	699.7	23017	22.46	23	0-1
				707.5	23095	22.37	23	0-1
				715.3	23173	22.89	23	0-1
		3 RB	0	699.7	23017	21.01	22	0-2
				707.5	23095	21.13	22	0-2
				715.3	23173	21.19	22	0-2
			2	699.7	23017	21.06	22	0-2
				707.5	23095	20.96	22	0-2
				715.3	23173	21.18	22	0-2
			3	699.7	23017	21.14	22	0-2
				707.5	23095	21.24	22	0-2
				715.3	23173	21.37	22	0-2
		6RB		699.7	23017	21.04	22	0-2
				707.5	23095	21.00	22	0-2
				715.3	23173	21.13	22	0-2

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FDD Band 13 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	782	23230	23.99	24	0
			25	782	23230	23.36	24	0
			49	782	23230	23.96	24	0
		25 RB	0	782	23230	22.92	23	0-1
			12	782	23230	22.91	23	0-1
			25	782	23230	22.82	23	0-1
		50RB		782	23230	22.84	23	0-1
	16-QAM	1 RB	0	782	23230	22.77	23	0-1
			25	782	23230	22.89	23	0-1
			49	782	23230	22.98	23	0-1
		25 RB	0	782	23230	21.96	22	0-2
			12	782	23230	21.95	22	0-2
			25	782	23230	21.88	22	0-2
		50RB		782	23230	21.97	22	0-2
	64-QAM	1 RB	0	782	23230	22.44	23	0-1
			25	782	23230	22.56	23	0-1
			49	782	23230	22.33	23	0-1
		25 RB	0	782	23230	21.51	22	0-2
			12	782	23230	21.48	22	0-2
			25	782	23230	21.55	22	0-2
		50RB		782	23230	21.37	22	0-2

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FDD Band 13 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	779.5	23205	23.80	24	0
				782	23230	23.84	24	0
				784.5	23255	23.91	24	0
			12	779.5	23205	23.95	24	0
				782	23230	23.82	24	0
				784.5	23255	23.97	24	0
			24	779.5	23205	23.88	24	0
				782	23230	23.70	24	0
				784.5	23255	23.94	24	0
		12 RB	0	779.5	23205	22.91	23	0-1
				782	23230	22.89	23	0-1
				784.5	23255	22.84	23	0-1
			6	779.5	23205	22.88	23	0-1
				782	23230	22.86	23	0-1
				784.5	23255	22.75	23	0-1
			13	779.5	23205	22.94	23	0-1
				782	23230	22.98	23	0-1
				784.5	23255	22.78	23	0-1
			25RB	779.5	23205	22.90	23	0-1
				782	23230	22.93	23	0-1
				784.5	23255	22.91	23	0-1
	16-QAM	1 RB	0	779.5	23205	22.99	23	0-1
				782	23230	22.88	23	0-1
				784.5	23255	22.87	23	0-1
			12	779.5	23205	22.71	23	0-1
				782	23230	22.93	23	0-1
				784.5	23255	22.43	23	0-1
			24	779.5	23205	22.77	23	0-1
				782	23230	22.89	23	0-1
				784.5	23255	22.77	23	0-1
		12 RB	0	779.5	23205	21.98	22	0-2
				782	23230	21.97	22	0-2
				784.5	23255	21.95	22	0-2
			6	779.5	23205	22.00	22	0-2
				782	23230	21.93	22	0-2
				784.5	23255	21.79	22	0-2
			13	779.5	23205	21.92	22	0-2
				782	23230	21.85	22	0-2
				784.5	23255	21.84	22	0-2
			25RB	779.5	23205	21.90	22	0-2
				782	23230	21.99	22	0-2
				784.5	23255	22.00	22	0-2

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FDD Band 13 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	779.5	23205	22.12	23	0-1
				782	23230	22.32	23	0-1
				784.5	23255	22.73	23	0-1
			12	779.5	23205	22.30	23	0-1
				782	23230	22.09	23	0-1
				784.5	23255	22.47	23	0-1
			24	779.5	23205	22.05	23	0-1
				782	23230	22.43	23	0-1
				784.5	23255	22.30	23	0-1
		12 RB	0	779.5	23205	21.15	22	0-2
				782	23230	21.26	22	0-2
				784.5	23255	21.31	22	0-2
			6	779.5	23205	21.23	22	0-2
				782	23230	21.18	22	0-2
				784.5	23255	21.17	22	0-2
			13	779.5	23205	21.14	22	0-2
				782	23230	21.04	22	0-2
				784.5	23255	21.17	22	0-2
		25RB		779.5	23205	21.00	22	0-2
				782	23230	21.15	22	0-2
				784.5	23255	21.14	22	0-2

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FDD Band 14 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	793	23330	23.76	24	0
			25	793	23330	23.44	24	0
			49	793	23330	23.39	24	0
		25 RB	0	793	23330	22.95	23	0-1
			12	793	23330	22.95	23	0-1
			25	793	23330	22.96	23	0-1
		50RB		793	23330	22.94	23	0-1
	16-QAM	1 RB	0	793	23330	22.96	23	0-1
			25	793	23330	23.12	23	0-1
			49	793	23330	23.04	23	0-1
		25 RB	0	793	23330	21.82	22	0-2
			12	793	23330	21.99	22	0-2
			25	793	23330	21.94	22	0-2
		50RB		793	23330	21.95	22	0-2
	64-QAM	1 RB	0	793	23330	22.63	23	0-1
			25	793	23330	22.26	23	0-1
			49	793	23330	22.11	23	0-1
		25 RB	0	793	23330	21.59	22	0-2
			12	793	23330	21.49	22	0-2
			25	793	23330	21.40	22	0-2
		50RB		793	23330	21.41	22	0-2

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FDD Band 14 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	790.5	23305	23.48	24	0
				793	23330	23.55	24	0
				795.5	23355	23.45	24	0
			12	790.5	23305	23.44	24	0
				793	23330	23.50	24	0
				795.5	23355	23.54	24	0
			24	790.5	23305	23.48	24	0
				793	23330	23.45	24	0
				795.5	23355	23.33	24	0
		12 RB	0	790.5	23305	22.88	23	0-1
				793	23330	23.05	23	0-1
				795.5	23355	22.97	23	0-1
			6	790.5	23305	22.91	23	0-1
				793	23330	23.01	23	0-1
				795.5	23355	22.98	23	0-1
			13	790.5	23305	22.99	23	0-1
				793	23330	22.88	23	0-1
				795.5	23355	22.97	23	0-1
		25RB		790.5	23305	22.93	23	0-1
				793	23330	22.99	23	0-1
				795.5	23355	23.01	23	0-1
	16-QAM	1 RB	0	790.5	23305	23.00	23	0-1
				793	23330	22.76	23	0-1
				795.5	23355	23.18	23	0-1
			12	790.5	23305	23.09	23	0-1
				793	23330	22.93	23	0-1
				795.5	23355	22.80	23	0-1
			24	790.5	23305	22.96	23	0-1
				793	23330	23.13	23	0-1
				795.5	23355	23.23	23	0-1
		12 RB	0	790.5	23305	21.91	22	0-2
				793	23330	21.99	22	0-2
				795.5	23355	21.99	22	0-2
			6	790.5	23305	21.97	22	0-2
				793	23330	22.04	22	0-2
				795.5	23355	21.96	22	0-2
			13	790.5	23305	21.94	22	0-2
				793	23330	21.94	22	0-2
				795.5	23355	21.83	22	0-2
		25RB		790.5	23305	21.84	22	0-2
				793	23330	21.96	22	0-2
				795.5	23355	21.85	22	0-2

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FDD Band 14 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	790.5	23305	22.82	23	0-1
				793	23330	22.63	23	0-1
				795.5	23355	22.47	23	0-1
			12	790.5	23305	22.30	23	0-1
				793	23330	22.61	23	0-1
				795.5	23355	22.28	23	0-1
			24	790.5	23305	22.56	23	0-1
				793	23330	21.88	23	0-1
				795.5	23355	22.40	23	0-1
		12 RB	0	790.5	23305	21.52	22	0-2
				793	23330	21.17	22	0-2
				795.5	23355	21.09	22	0-2
			6	790.5	23305	21.08	22	0-2
				793	23330	21.39	22	0-2
				795.5	23355	21.21	22	0-2
			13	790.5	23305	21.16	22	0-2
				793	23330	21.07	22	0-2
				795.5	23355	21.07	22	0-2
		25RB		790.5	23305	21.23	22	0-2
				793	23330	21.20	22	0-2
				795.5	23355	21.04	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	821.5	26765	23.41	24	0
				831.5	26865	23.35	24	0
				841.5	26965	23.56	24	0
			36	821.5	26765	23.52	24	0
				831.5	26865	23.51	24	0
				841.5	26965	23.40	24	0
			74	821.5	26765	23.33	24	0
				831.5	26865	23.46	24	0
				841.5	26965	23.46	24	0
		36 RB	0	821.5	26765	22.96	23	0-1
				831.5	26865	22.71	23	0-1
				841.5	26965	22.77	23	0-1
			18	821.5	26765	22.98	23	0-1
				831.5	26865	22.68	23	0-1
				841.5	26965	22.81	23	0-1
			37	821.5	26765	22.89	23	0-1
				831.5	26865	22.69	23	0-1
				841.5	26965	22.72	23	0-1
		75RB		821.5	26765	22.73	23	0-1
				831.5	26865	23.00	23	0-1
				841.5	26965	22.68	23	0-1
	16-QAM	1 RB	0	821.5	26765	22.77	23	0-1
				831.5	26865	22.67	23	0-1
				841.5	26965	22.68	23	0-1
			36	821.5	26765	22.79	23	0-1
				831.5	26865	22.52	23	0-1
				841.5	26965	22.97	23	0-1
			74	821.5	26765	22.96	23	0-1
				831.5	26865	22.70	23	0-1
				841.5	26965	22.76	23	0-1
		36 RB	0	821.5	26765	21.84	22	0-2
				831.5	26865	22.00	22	0-2
				841.5	26965	21.88	22	0-2
			18	821.5	26765	21.76	22	0-2
				831.5	26865	21.88	22	0-2
				841.5	26965	21.76	22	0-2
			37	821.5	26765	21.89	22	0-2
				831.5	26865	21.69	22	0-2
				841.5	26965	21.96	22	0-2
		75RB		821.5	26765	21.88	22	0-2
				831.5	26865	21.98	22	0-2
				841.5	26965	21.88	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	821.5	26765	22.22	23	0-1
				831.5	26865	22.40	23	0-1
				841.5	26965	22.34	23	0-1
			36	821.5	26765	22.29	23	0-1
				831.5	26865	22.37	23	0-1
				841.5	26965	22.01	23	0-1
			74	821.5	26765	22.54	23	0-1
				831.5	26865	22.16	23	0-1
				841.5	26965	22.78	23	0-1
		36 RB	0	821.5	26765	21.09	22	0-2
				831.5	26865	21.04	22	0-2
				841.5	26965	21.14	22	0-2
			18	821.5	26765	21.00	22	0-2
				831.5	26865	21.07	22	0-2
				841.5	26965	21.25	22	0-2
			37	821.5	26765	21.07	22	0-2
				831.5	26865	21.17	22	0-2
				841.5	26965	21.06	22	0-2
		75RB		821.5	26765	21.03	22	0-2
				831.5	26865	21.17	22	0-2
				841.5	26965	21.37	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	819	26740	23.20	24	0
				831.5	26865	23.43	24	0
				844	26990	23.52	24	0
			25	819	26740	23.17	24	0
				831.5	26865	23.39	24	0
				844	26990	23.24	24	0
			49	819	26740	23.19	24	0
				831.5	26865	23.47	24	0
				844	26990	23.35	24	0
		25 RB	0	819	26740	22.85	23	0-1
				831.5	26865	22.86	23	0-1
				844	26990	22.56	23	0-1
			12	819	26740	22.86	23	0-1
				831.5	26865	22.97	23	0-1
				844	26990	22.98	23	0-1
			25	819	26740	22.80	23	0-1
				831.5	26865	22.99	23	0-1
				844	26990	22.92	23	0-1
		50RB		819	26740	22.75	23	0-1
				831.5	26865	22.95	23	0-1
				844	26990	22.76	23	0-1
	16-QAM	1 RB	0	819	26740	22.42	23	0-1
				831.5	26865	22.74	23	0-1
				844	26990	22.70	23	0-1
			25	819	26740	22.31	23	0-1
				831.5	26865	22.76	23	0-1
				844	26990	22.49	23	0-1
			49	819	26740	22.36	23	0-1
				831.5	26865	22.66	23	0-1
				844	26990	22.63	23	0-1
		25 RB	0	819	26740	21.89	22	0-2
				831.5	26865	21.78	22	0-2
				844	26990	21.97	22	0-2
			12	819	26740	21.88	22	0-2
				831.5	26865	22.00	22	0-2
				844	26990	22.00	22	0-2
			25	819	26740	21.83	22	0-2
				831.5	26865	21.97	22	0-2
				844	26990	21.96	22	0-2
		50RB		819	26740	21.80	22	0-2
				831.5	26865	21.92	22	0-2
				844	26990	21.88	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	819	26740	22.30	23	0-1
				831.5	26865	22.39	23	0-1
				844	26990	22.31	23	0-1
			25	819	26740	22.20	23	0-1
				831.5	26865	22.41	23	0-1
				844	26990	22.04	23	0-1
			49	819	26740	22.54	23	0-1
				831.5	26865	22.18	23	0-1
				844	26990	22.70	23	0-1
		25 RB	0	819	26740	21.03	22	0-2
				831.5	26865	21.08	22	0-2
				844	26990	21.07	22	0-2
			12	819	26740	21.09	22	0-2
				831.5	26865	21.01	22	0-2
				844	26990	21.22	22	0-2
			25	819	26740	21.09	22	0-2
				831.5	26865	21.22	22	0-2
				844	26990	21.08	22	0-2
		50RB		819	26740	21.10	22	0-2
				831.5	26865	21.09	22	0-2
				844	26990	21.32	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	816.5	26715	23.50	24	0
				831.5	26865	23.26	24	0
				846.5	27015	23.31	24	0
			12	816.5	26715	23.27	24	0
				831.5	26865	23.52	24	0
				846.5	27015	23.50	24	0
			24	816.5	26715	23.26	24	0
				831.5	26865	23.26	24	0
				846.5	27015	23.40	24	0
		12 RB	0	816.5	26715	22.98	23	0-1
				831.5	26865	23.00	23	0-1
				846.5	27015	23.00	23	0-1
			6	816.5	26715	22.54	23	0-1
				831.5	26865	22.74	23	0-1
				846.5	27015	22.95	23	0-1
			13	816.5	26715	22.92	23	0-1
				831.5	26865	22.85	23	0-1
				846.5	27015	22.74	23	0-1
		25RB		816.5	26715	22.99	23	0-1
				831.5	26865	22.95	23	0-1
				846.5	27015	22.96	23	0-1
	16-QAM	1 RB	0	815.5	26705	22.31	23	0-1
				831.5	26865	22.73	23	0-1
				847.5	27025	22.43	23	0-1
			7	815.5	26705	22.85	23	0-1
				831.5	26865	22.75	23	0-1
				847.5	27025	22.68	23	0-1
			14	815.5	26705	22.65	23	0-1
				831.5	26865	22.88	23	0-1
				847.5	27025	22.94	23	0-1
		8 RB	0	815.5	26705	21.88	22	0-2
				831.5	26865	21.95	22	0-2
				847.5	27025	21.76	22	0-2
			4	815.5	26705	21.72	22	0-2
				831.5	26865	21.64	22	0-2
				847.5	27025	21.91	22	0-2
			7	815.5	26705	21.97	22	0-2
				831.5	26865	21.88	22	0-2
				847.5	27025	21.79	22	0-2
		15RB		815.5	26705	21.64	22	0-2
				831.5	26865	21.81	22	0-2
				847.5	27025	21.82	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	815.5	26705	22.17	23	0-1
				831.5	26865	22.44	23	0-1
				847.5	27025	22.28	23	0-1
			7	815.5	26705	22.24	23	0-1
				831.5	26865	22.31	23	0-1
				847.5	27025	22.04	23	0-1
			14	815.5	26705	22.50	23	0-1
				831.5	26865	22.16	23	0-1
				847.5	27025	22.88	23	0-1
		8 RB	0	815.5	26705	21.05	22	0-2
				831.5	26865	21.06	22	0-2
				847.5	27025	21.15	22	0-2
			4	815.5	26705	21.05	22	0-2
				831.5	26865	21.06	22	0-2
				847.5	27025	21.28	22	0-2
			7	815.5	26705	21.07	22	0-2
				831.5	26865	21.10	22	0-2
				847.5	27025	21.11	22	0-2
		15RB		815.5	26705	21.01	22	0-2
				831.5	26865	21.16	22	0-2
				847.5	27025	21.32	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	815.5	26705	23.37	24	0
				831.5	26865	23.35	24	0
				847.5	27025	23.26	24	0
			7	815.5	26705	23.55	24	0
				831.5	26865	23.49	24	0
				847.5	27025	23.37	24	0
			14	815.5	26705	23.33	24	0
				831.5	26865	23.39	24	0
				847.5	27025	23.31	24	0
		8 RB	0	815.5	26705	22.99	23	0-1
				831.5	26865	21.73	23	0-1
				847.5	27025	22.78	23	0-1
			4	815.5	26705	22.84	23	0-1
				831.5	26865	22.92	23	0-1
				847.5	27025	22.95	23	0-1
			7	815.5	26705	22.89	23	0-1
				831.5	26865	23.00	23	0-1
				847.5	27025	22.89	23	0-1
		15RB		815.5	26705	22.98	23	0-1
				831.5	26865	23.00	23	0-1
				847.5	27025	22.94	23	0-1
	16-QAM	1 RB	0	815.5	26705	22.65	23	0-1
				831.5	26865	22.75	23	0-1
				847.5	27025	22.76	23	0-1
			7	815.5	26705	22.56	23	0-1
				831.5	26865	22.67	23	0-1
				847.5	27025	22.88	23	0-1
			14	815.5	26705	22.56	23	0-1
				831.5	26865	22.76	23	0-1
				847.5	27025	22.83	23	0-1
		8 RB	0	815.5	26705	21.97	22	0-2
				831.5	26865	21.95	22	0-2
				847.5	27025	21.86	22	0-2
			4	815.5	26705	22.00	22	0-2
				831.5	26865	21.54	22	0-2
				847.5	27025	21.89	22	0-2
			7	815.5	26705	21.72	22	0-2
				831.5	26865	21.85	22	0-2
				847.5	27025	21.86	22	0-2
		15RB		815.5	26705	21.87	22	0-2
				831.5	26865	22.00	22	0-2
				847.5	27025	21.93	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	815.5	26705	22.27	23	0-1
				831.5	26865	22.39	23	0-1
				847.5	27025	22.33	23	0-1
			7	815.5	26705	22.21	23	0-1
				831.5	26865	22.35	23	0-1
				847.5	27025	22.06	23	0-1
			14	815.5	26705	22.65	23	0-1
				831.5	26865	22.13	23	0-1
				847.5	27025	22.73	23	0-1
		8 RB	0	815.5	26705	21.09	22	0-2
				831.5	26865	21.06	22	0-2
				847.5	27025	21.24	22	0-2
			4	815.5	26705	21.05	22	0-2
				831.5	26865	21.08	22	0-2
				847.5	27025	21.21	22	0-2
			7	815.5	26705	21.03	22	0-2
				831.5	26865	21.22	22	0-2
				847.5	27025	21.09	22	0-2
		15RB		815.5	26705	21.13	22	0-2
				831.5	26865	21.01	22	0-2
				847.5	27025	21.26	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	814.7	26697	23.28	24	0
				831.5	26865	23.34	24	0
				848.3	27033	23.34	24	0
			2	814.7	26697	23.33	24	0
				831.5	26865	23.43	24	0
				848.3	27033	23.25	24	0
			5	814.7	26697	23.20	24	0
				831.5	26865	23.37	24	0
				848.3	27033	23.15	24	0
		3 RB	0	814.7	26697	22.76	23	0-1
				831.5	26865	22.43	23	0-1
				848.3	27033	22.41	23	0-1
			2	814.7	26697	22.34	23	0-1
				831.5	26865	22.70	23	0-1
				848.3	27033	22.64	23	0-1
			3	814.7	26697	22.43	23	0-1
				831.5	26865	22.53	23	0-1
				848.3	27033	22.38	23	0-1
		6RB		814.7	26697	22.83	23	0-1
				831.5	26865	22.83	23	0-1
				848.3	27033	22.85	23	0-1
	16-QAM	1 RB	0	814.7	26697	22.74	23	0-1
				831.5	26865	23.00	23	0-1
				848.3	27033	22.93	23	0-1
			2	814.7	26697	22.93	23	0-1
				831.5	26865	22.89	23	0-1
				848.3	27033	22.95	23	0-1
			5	814.7	26697	22.71	23	0-1
				831.5	26865	22.86	23	0-1
				848.3	27033	22.97	23	0-1
		3 RB	0	814.7	26697	21.85	22	0-2
				831.5	26865	21.84	22	0-2
				848.3	27033	21.82	22	0-2
			2	814.7	26697	21.75	22	0-2
				831.5	26865	21.95	22	0-2
				848.3	27033	21.81	22	0-2
			3	814.7	26697	21.86	22	0-2
				831.5	26865	21.95	22	0-2
				848.3	27033	21.65	22	0-2
		6RB		814.7	26697	21.82	22	0-2
				831.5	26865	21.87	22	0-2
				848.3	27033	21.77	22	0-2

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FDD Band 26 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	814.7	26697	22.17	23	0-1
				831.5	26865	22.41	23	0-1
				848.3	27033	22.44	23	0-1
			2	814.7	26697	22.32	23	0-1
				831.5	26865	22.41	23	0-1
				848.3	27033	22.05	23	0-1
			5	814.7	26697	22.55	23	0-1
				831.5	26865	22.19	23	0-1
				848.3	27033	22.73	23	0-1
		3 RB	0	814.7	26697	21.01	22	0-2
				831.5	26865	21.06	22	0-2
				848.3	27033	21.07	22	0-2
			2	814.7	26697	21.06	22	0-2
				831.5	26865	21.12	22	0-2
				848.3	27033	21.25	22	0-2
			3	814.7	26697	21.11	22	0-2
				831.5	26865	21.05	22	0-2
				848.3	27033	21.05	22	0-2
		6RB		814.7	26697	21.12	22	0-2
				831.5	26865	21.02	22	0-2
				848.3	27033	21.32	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	1720	132072	23.20	24	0
				1745	132322	23.52	24	0
				1770	132572	23.37	24	0
			50	1720	132072	22.95	24	0
				1745	132322	23.15	24	0
				1770	132572	23.24	24	0
			99	1720	132072	23.20	24	0
				1745	132322	23.26	24	0
				1770	132572	23.11	24	0
		50 RB	0	1720	132072	22.14	23	0-1
				1745	132322	22.37	23	0-1
				1770	132572	22.36	23	0-1
			25	1720	132072	22.11	23	0-1
				1745	132322	22.32	23	0-1
				1770	132572	22.28	23	0-1
			50	1720	132072	22.14	23	0-1
				1745	132322	22.30	23	0-1
				1770	132572	22.21	23	0-1
		100RB		1720	132072	22.08	23	0-1
				1745	132322	22.35	23	0-1
				1770	132572	22.29	23	0-1
	16-QAM	1 RB	0	1720	132072	22.12	23	0-1
				1745	132322	22.63	23	0-1
				1770	132572	22.87	23	0-1
			50	1720	132072	22.43	23	0-1
				1745	132322	22.51	23	0-1
				1770	132572	22.10	23	0-1
			99	1720	132072	22.30	23	0-1
				1745	132322	22.38	23	0-1
				1770	132572	22.55	23	0-1
		50 RB	0	1720	132072	21.12	22	0-2
				1745	132322	21.44	22	0-2
				1770	132572	21.34	22	0-2
			25	1720	132072	21.09	22	0-2
				1745	132322	21.34	22	0-2
				1770	132572	21.27	22	0-2
			50	1720	132072	21.18	22	0-2
				1745	132322	21.26	22	0-2
				1770	132572	21.29	22	0-2
		100RB		1720	132072	21.04	22	0-2
				1745	132322	21.34	22	0-2
				1770	132572	21.33	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	1720	132072	22.53	23	0-1
				1745	132322	22.31	23	0-1
				1770	132572	22.24	23	0-1
			50	1720	132072	22.54	23	0-1
				1745	132322	22.28	23	0-1
				1770	132572	21.82	23	0-1
			99	1720	132072	22.06	23	0-1
				1745	132322	22.27	23	0-1
				1770	132572	22.07	23	0-1
		50 RB	0	1720	132072	20.93	22	0-2
				1745	132322	20.96	22	0-2
				1770	132572	21.07	22	0-2
			25	1720	132072	20.89	22	0-2
				1745	132322	21.01	22	0-2
				1770	132572	20.86	22	0-2
			50	1720	132072	20.84	22	0-2
				1745	132322	20.83	22	0-2
				1770	132572	20.84	22	0-2
		100RB		1720	132072	20.99	22	0-2
				1745	132322	20.98	22	0-2
				1770	132572	21.14	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	1717.5	132047	23.23	24	0
				1745	132322	23.39	24	0
				1772.5	132597	23.31	24	0
			36	1717.5	132047	23.05	24	0
				1745	132322	23.29	24	0
				1772.5	132597	23.17	24	0
			74	1717.5	132047	23.12	24	0
				1745	132322	23.24	24	0
				1772.5	132597	23.17	24	0
		36 RB	0	1717.5	132047	22.14	23	0-1
				1745	132322	22.37	23	0-1
				1772.5	132597	22.25	23	0-1
			18	1717.5	132047	22.03	23	0-1
				1745	132322	22.28	23	0-1
				1772.5	132597	22.26	23	0-1
			37	1717.5	132047	22.15	23	0-1
				1745	132322	22.30	23	0-1
				1772.5	132597	22.20	23	0-1
			75RB	1717.5	132047	22.12	23	0-1
				1745	132322	22.35	23	0-1
				1772.5	132597	22.21	23	0-1
	16-QAM	1 RB	0	1717.5	132047	22.48	23	0-1
				1745	132322	22.96	23	0-1
				1772.5	132597	22.50	23	0-1
			36	1717.5	132047	22.12	23	0-1
				1745	132322	22.17	23	0-1
				1772.5	132597	22.06	23	0-1
			74	1717.5	132047	22.29	23	0-1
				1745	132322	22.64	23	0-1
				1772.5	132597	22.25	23	0-1
		36 RB	0	1717.5	132047	21.19	22	0-2
				1745	132322	21.33	22	0-2
				1772.5	132597	21.21	22	0-2
			18	1717.5	132047	21.10	22	0-2
				1745	132322	21.33	22	0-2
				1772.5	132597	21.23	22	0-2
			37	1717.5	132047	21.15	22	0-2
				1745	132322	21.33	22	0-2
				1772.5	132597	21.23	22	0-2
			75RB	1717.5	132047	21.08	22	0-2
				1745	132322	21.33	22	0-2
				1772.5	132597	21.21	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	1717.5	132047	22.55	23	0-1
				1745	132322	22.40	23	0-1
				1772.5	132597	22.11	23	0-1
			36	1717.5	132047	22.61	23	0-1
				1745	132322	22.31	23	0-1
				1772.5	132597	21.87	23	0-1
			74	1717.5	132047	21.89	23	0-1
				1745	132322	22.25	23	0-1
				1772.5	132597	22.02	23	0-1
		36 RB	0	1717.5	132047	21.06	22	0-2
				1745	132322	21.06	22	0-2
				1772.5	132597	20.97	22	0-2
			18	1717.5	132047	20.93	22	0-2
				1745	132322	20.88	22	0-2
				1772.5	132597	20.92	22	0-2
			37	1717.5	132047	21.00	22	0-2
				1745	132322	20.88	22	0-2
				1772.5	132597	20.86	22	0-2
		75RB		1717.5	132047	20.95	22	0-2
				1745	132322	20.97	22	0-2
				1772.5	132597	21.04	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	1715	132022	23.04	24	0
				1745	132322	23.40	24	0
				1775	132622	23.22	24	0
			25	1715	132022	22.98	24	0
				1745	132322	23.31	24	0
				1775	132622	23.08	24	0
			49	1715	132022	22.94	24	0
				1745	132322	23.22	24	0
				1775	132622	23.09	24	0
		25 RB	0	1715	132022	22.07	23	0-1
				1745	132322	22.28	23	0-1
				1775	132622	22.23	23	0-1
			12	1715	132022	22.05	23	0-1
				1745	132322	22.27	23	0-1
				1775	132622	22.16	23	0-1
			25	1715	132022	22.11	23	0-1
				1745	132322	22.25	23	0-1
				1775	132622	22.19	23	0-1
		50RB		1715	132022	22.09	23	0-1
				1745	132322	22.32	23	0-1
				1775	132622	22.21	23	0-1
	16-QAM	1 RB	0	1715	132022	22.23	23	0-1
				1745	132322	22.84	23	0-1
				1775	132622	22.35	23	0-1
			25	1715	132022	22.51	23	0-1
				1745	132322	22.64	23	0-1
				1775	132622	22.27	23	0-1
			49	1715	132022	22.60	23	0-1
				1745	132322	22.44	23	0-1
				1775	132622	22.27	23	0-1
		25 RB	0	1715	132022	21.17	22	0-2
				1745	132322	21.20	22	0-2
				1775	132622	21.16	22	0-2
			12	1715	132022	21.02	22	0-2
				1745	132322	21.30	22	0-2
				1775	132622	21.18	22	0-2
			25	1715	132022	21.01	22	0-2
				1745	132322	21.24	22	0-2
				1775	132622	21.27	22	0-2
		50RB		1715	132022	21.02	22	0-2
				1745	132322	21.27	22	0-2
				1775	132622	21.27	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	1715	132022	22.44	23	0-1
				1745	132322	22.49	23	0-1
				1775	132622	22.25	23	0-1
			25	1715	132022	22.68	23	0-1
				1745	132322	22.32	23	0-1
				1775	132622	21.67	23	0-1
			49	1715	132022	21.97	23	0-1
				1745	132322	22.37	23	0-1
				1775	132622	22.03	23	0-1
		25 RB	0	1715	132022	20.92	22	0-2
				1745	132322	21.06	22	0-2
				1775	132622	21.01	22	0-2
			12	1715	132022	20.93	22	0-2
				1745	132322	20.94	22	0-2
				1775	132622	21.02	22	0-2
			25	1715	132022	20.87	22	0-2
				1745	132322	20.77	22	0-2
				1775	132622	20.90	22	0-2
		50RB		1715	132022	20.94	22	0-2
				1745	132322	20.92	22	0-2
				1775	132622	21.04	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	1712.5	131997	22.99	24	0
				1745	132322	23.23	24	0
				1777.5	132647	23.08	24	0
			12	1712.5	131997	23.08	24	0
				1745	132322	23.15	24	0
				1777.5	132647	23.05	24	0
			24	1712.5	131997	23.03	24	0
				1745	132322	23.20	24	0
				1777.5	132647	22.96	24	0
		12 RB	0	1712.5	131997	22.05	23	0-1
				1745	132322	22.33	23	0-1
				1777.5	132647	22.07	23	0-1
			6	1712.5	131997	22.08	23	0-1
				1745	132322	22.26	23	0-1
				1777.5	132647	22.07	23	0-1
			13	1712.5	131997	22.05	23	0-1
				1745	132322	22.24	23	0-1
				1777.5	132647	22.06	23	0-1
		25RB		1712.5	131997	22.00	23	0-1
				1745	132322	22.28	23	0-1
				1777.5	132647	22.08	23	0-1
	16-QAM	1 RB	0	1712.5	131997	22.56	23	0-1
				1745	132322	22.51	23	0-1
				1777.5	132647	22.45	23	0-1
			12	1712.5	131997	22.20	23	0-1
				1745	132322	22.36	23	0-1
				1777.5	132647	22.22	23	0-1
			24	1712.5	131997	21.89	23	0-1
				1745	132322	22.73	23	0-1
				1777.5	132647	22.05	23	0-1
		12 RB	0	1712.5	131997	21.06	22	0-2
				1745	132322	21.26	22	0-2
				1777.5	132647	21.14	22	0-2
			6	1712.5	131997	21.19	22	0-2
				1745	132322	21.35	22	0-2
				1777.5	132647	20.98	22	0-2
			13	1712.5	131997	21.01	22	0-2
				1745	132322	21.32	22	0-2
				1777.5	132647	21.03	22	0-2
		25RB		1712.5	131997	21.11	22	0-2
				1745	132322	21.21	22	0-2
				1777.5	132647	20.95	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	1712.5	131997	22.61	23	0-1
				1745	132322	22.42	23	0-1
				1777.5	132647	22.23	23	0-1
			12	1712.5	131997	22.67	23	0-1
				1745	132322	22.38	23	0-1
				1777.5	132647	21.72	23	0-1
			24	1712.5	131997	22.01	23	0-1
				1745	132322	22.35	23	0-1
				1777.5	132647	21.92	23	0-1
		12 RB	0	1712.5	131997	20.97	22	0-2
				1745	132322	21.09	22	0-2
				1777.5	132647	21.06	22	0-2
			6	1712.5	131997	21.05	22	0-2
				1745	132322	20.91	22	0-2
				1777.5	132647	20.92	22	0-2
			13	1712.5	131997	20.93	22	0-2
				1745	132322	20.93	22	0-2
				1777.5	132647	20.84	22	0-2
		25RB		1712.5	131997	20.99	22	0-2
				1745	132322	21.05	22	0-2
				1777.5	132647	21.01	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	1711.5	131987	22.94	24	0
				1745	132322	23.12	24	0
				1778.5	132657	22.99	24	0
			7	1711.5	131987	23.13	24	0
				1745	132322	23.33	24	0
				1778.5	132657	23.08	24	0
			14	1711.5	131987	22.94	24	0
				1745	132322	23.23	24	0
				1778.5	132657	22.97	24	0
		8 RB	0	1711.5	131987	21.96	23	0-1
				1745	132322	22.30	23	0-1
				1778.5	132657	22.05	23	0-1
			4	1711.5	131987	22.08	23	0-1
				1745	132322	22.24	23	0-1
				1778.5	132657	22.01	23	0-1
			7	1711.5	131987	21.99	23	0-1
				1745	132322	22.20	23	0-1
				1778.5	132657	22.02	23	0-1
		15RB		1711.5	131987	22.02	23	0-1
				1745	132322	22.18	23	0-1
				1778.5	132657	21.96	23	0-1
	16-QAM	1 RB	0	1711.5	131987	22.08	23	0-1
				1745	132322	22.39	23	0-1
				1778.5	132657	22.42	23	0-1
			7	1711.5	131987	22.30	23	0-1
				1745	132322	22.60	23	0-1
				1778.5	132657	22.12	23	0-1
			14	1711.5	131987	22.15	23	0-1
				1745	132322	22.78	23	0-1
				1778.5	132657	22.09	23	0-1
		8 RB	0	1711.5	131987	21.09	22	0-2
				1745	132322	21.29	22	0-2
				1778.5	132657	21.09	22	0-2
			4	1711.5	131987	21.08	22	0-2
				1745	132322	21.29	22	0-2
				1778.5	132657	21.03	22	0-2
			7	1711.5	131987	21.01	22	0-2
				1745	132322	21.28	22	0-2
				1778.5	132657	21.10	22	0-2
		15RB		1711.5	131987	20.98	22	0-2
				1745	132322	21.30	22	0-2
				1778.5	132657	21.04	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	1711.5	131987	22.54	23	0-1
				1745	132322	22.44	23	0-1
				1778.5	132657	22.18	23	0-1
			7	1711.5	131987	22.68	23	0-1
				1745	132322	22.33	23	0-1
				1778.5	132657	21.71	23	0-1
			14	1711.5	131987	22.07	23	0-1
				1745	132322	22.29	23	0-1
				1778.5	132657	22.00	23	0-1
		8 RB	0	1711.5	131987	21.03	22	0-2
				1745	132322	20.98	22	0-2
				1778.5	132657	21.08	22	0-2
			4	1711.5	131987	20.93	22	0-2
				1745	132322	20.95	22	0-2
				1778.5	132657	20.84	22	0-2
			7	1711.5	131987	20.94	22	0-2
				1745	132322	20.89	22	0-2
				1778.5	132657	20.91	22	0-2
		15RB		1711.5	131987	21.10	22	0-2
				1745	132322	21.06	22	0-2
				1778.5	132657	21.08	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	1710.7	131979	22.80	24	0
				1745	132322	23.07	24	0
				1779.3	132665	22.83	24	0
			2	1710.7	131979	22.88	24	0
				1745	132322	23.10	24	0
				1779.3	132665	22.99	24	0
			5	1710.7	131979	22.85	24	0
				1745	132322	23.04	24	0
				1779.3	132665	22.90	24	0
		3 RB	0	1710.7	131979	22.88	23	0-1
				1745	132322	22.73	23	0-1
				1779.3	132665	22.91	23	0-1
			2	1710.7	131979	22.84	23	0-1
				1745	132322	22.90	23	0-1
				1779.3	132665	22.96	23	0-1
			3	1710.7	131979	22.88	23	0-1
				1745	132322	22.98	23	0-1
				1779.3	132665	22.82	23	0-1
		6RB		1710.7	131979	22.84	23	0-1
				1745	132322	22.89	23	0-1
				1779.3	132665	22.73	23	0-1
	16-QAM	1 RB	0	1710.7	131979	22.88	23	0-1
				1745	132322	22.86	23	0-1
				1779.3	132665	22.98	23	0-1
			2	1710.7	131979	22.89	23	0-1
				1745	132322	22.78	23	0-1
				1779.3	132665	22.82	23	0-1
			5	1710.7	131979	22.91	23	0-1
				1745	132322	22.85	23	0-1
				1779.3	132665	22.93	23	0-1
		3 RB	0	1710.7	131979	21.82	22	0-2
				1745	132322	21.94	22	0-2
				1779.3	132665	21.76	22	0-2
			2	1710.7	131979	21.76	22	0-2
				1745	132322	21.79	22	0-2
				1779.3	132665	21.98	22	0-2
			3	1710.7	131979	21.85	22	0-2
				1745	132322	21.96	22	0-2
				1779.3	132665	21.84	22	0-2
		6RB		1710.7	131979	20.99	22	0-2
				1745	132322	21.17	22	0-2
				1779.3	132665	20.98	22	0-2

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FDD Band 66 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	1710.7	131979	22.45	23	0-1
				1745	132322	22.33	23	0-1
				1779.3	132665	22.23	23	0-1
			2	1710.7	131979	22.65	23	0-1
				1745	132322	22.34	23	0-1
				1779.3	132665	21.79	23	0-1
			5	1710.7	131979	22.06	23	0-1
				1745	132322	22.31	23	0-1
				1779.3	132665	21.90	23	0-1
		3 RB	0	1710.7	131979	20.89	22	0-2
				1745	132322	21.11	22	0-2
				1779.3	132665	21.05	22	0-2
			2	1710.7	131979	20.94	22	0-2
				1745	132322	20.87	22	0-2
				1779.3	132665	21.03	22	0-2
			3	1710.7	131979	20.89	22	0-2
				1745	132322	20.80	22	0-2
				1779.3	132665	20.78	22	0-2
		6RB		1710.7	131979	20.91	22	0-2
				1745	132322	21.09	22	0-2
				1779.3	132665	21.03	22	0-2

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FDD Band 66 (Reduced Power)									
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
20	QPSK	1 RB	0	1720	132072	20.36	21	0	
				1745	132322	20.55	21	0	
				1770	132572	20.48	21	0	
			50	1720	132072	20.14	21	0	
				1745	132322	20.24	21	0	
				1770	132572	20.31	21	0	
			99	1720	132072	20.24	21	0	
				1745	132322	20.28	21	0	
				1770	132572	20.26	21	0	
		50 RB	0	1720	132072	20.25	21	0	
				1745	132322	20.51	21	0	
				1770	132572	20.45	21	0	
			25	1720	132072	20.31	21	0	
				1745	132322	20.50	21	0	
				1770	132572	20.46	21	0	
			50	1720	132072	20.33	21	0	
				1745	132322	20.41	21	0	
				1770	132572	20.39	21	0	
		100RB			1720	132072	20.29	21	0
					1745	132322	20.46	21	0
					1770	132572	20.41	21	0
	16-QAM	1 RB	0	1720	132072	20.39	21	0	
				1745	132322	20.22	21	0	
				1770	132572	20.12	21	0	
			50	1720	132072	20.07	21	0	
				1745	132322	20.17	21	0	
				1770	132572	20.23	21	0	
			99	1720	132072	20.12	21	0	
				1745	132322	20.16	21	0	
				1770	132572	20.11	21	0	
		50 RB	0	1720	132072	20.38	21	0	
				1745	132322	20.50	21	0	
				1770	132572	20.27	21	0	
			25	1720	132072	20.24	21	0	
				1745	132322	20.28	21	0	
				1770	132572	20.15	21	0	
			50	1720	132072	20.39	21	0	
				1745	132322	20.06	21	0	
				1770	132572	20.24	21	0	
		100RB			1720	132072	20.28	21	0
					1745	132322	20.25	21	0
					1770	132572	20.16	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	1720	132072	20.51	21	0
				1745	132322	20.50	21	0
				1770	132572	20.54	21	0
			50	1720	132072	20.49	21	0
				1745	132322	20.52	21	0
				1770	132572	20.49	21	0
			99	1720	132072	20.51	21	0
				1745	132322	20.51	21	0
				1770	132572	20.54	21	0
		50 RB	0	1720	132072	20.49	21	0
				1745	132322	20.52	21	0
				1770	132572	20.50	21	0
			25	1720	132072	20.50	21	0
				1745	132322	20.53	21	0
				1770	132572	20.51	21	0
			50	1720	132072	20.51	21	0
				1745	132322	20.53	21	0
				1770	132572	20.50	21	0
		100RB		1720	132072	20.53	21	0
				1745	132322	20.49	21	0
				1770	132572	20.49	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	1717.5	132047	20.35	21	0
				1745	132322	20.54	21	0
				1772.5	132597	20.51	21	0
			36	1717.5	132047	20.19	21	0
				1745	132322	20.42	21	0
				1772.5	132597	20.37	21	0
			74	1717.5	132047	20.21	21	0
				1745	132322	20.46	21	0
				1772.5	132597	20.25	21	0
		36 RB	0	1717.5	132047	20.34	21	0
				1745	132322	20.46	21	0
				1772.5	132597	20.42	21	0
			18	1717.5	132047	20.29	21	0
				1745	132322	20.46	21	0
				1772.5	132597	20.43	21	0
			37	1717.5	132047	20.34	21	0
				1745	132322	20.47	21	0
				1772.5	132597	20.30	21	0
			75RB	1717.5	132047	20.23	21	0
				1745	132322	20.50	21	0
				1772.5	132597	20.44	21	0
	16-QAM	1 RB	0	1717.5	132047	20.26	21	0
				1745	132322	20.15	21	0
				1772.5	132597	20.15	21	0
			36	1717.5	132047	20.22	21	0
				1745	132322	20.35	21	0
				1772.5	132597	20.38	21	0
			74	1717.5	132047	20.21	21	0
				1745	132322	20.17	21	0
				1772.5	132597	20.21	21	0
		36 RB	0	1717.5	132047	20.31	21	0
				1745	132322	20.03	21	0
				1772.5	132597	20.15	21	0
			18	1717.5	132047	20.29	21	0
				1745	132322	20.16	21	0
				1772.5	132597	20.20	21	0
			37	1717.5	132047	20.39	21	0
				1745	132322	20.19	21	0
				1772.5	132597	20.03	21	0
			75RB	1717.5	132047	20.23	21	0
				1745	132322	20.01	21	0
				1772.5	132597	20.19	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	1717.5	132047	20.51	21	0
				1745	132322	20.51	21	0
				1772.5	132597	20.50	21	0
			36	1717.5	132047	20.49	21	0
				1745	132322	20.52	21	0
				1772.5	132597	20.49	21	0
			74	1717.5	132047	20.49	21	0
				1745	132322	20.54	21	0
				1772.5	132597	20.51	21	0
		36 RB	0	1717.5	132047	20.52	21	0
				1745	132322	20.53	21	0
				1772.5	132597	20.52	21	0
			18	1717.5	132047	20.54	21	0
				1745	132322	20.52	21	0
				1772.5	132597	20.52	21	0
			37	1717.5	132047	20.51	21	0
				1745	132322	20.52	21	0
				1772.5	132597	20.50	21	0
		75RB		1717.5	132047	20.50	21	0
				1745	132322	20.53	21	0
				1772.5	132597	20.53	21	0

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FDD Band 66 (Reduced Pow er)									
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted pow er (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
10	QPSK	1 RB	0	1715	132022	20.25	21	0	
				1745	132322	20.45	21	0	
				1775	132622	20.38	21	0	
			25	1715	132022	20.17	21	0	
				1745	132322	20.48	21	0	
				1775	132622	20.36	21	0	
				49	1715	132022	20.24	21	0
					1745	132322	20.42	21	0
					1775	132622	20.14	21	0
		25 RB	0	1715	132022	20.25	21	0	
				1745	132322	20.47	21	0	
				1775	132622	20.35	21	0	
			12	1715	132022	20.24	21	0	
				1745	132322	20.44	21	0	
				1775	132622	20.39	21	0	
			25	1715	132022	20.14	21	0	
				1745	132322	20.43	21	0	
				1775	132622	20.28	21	0	
		50RB			1715	132022	20.22	21	0
					1745	132322	20.49	21	0
					1775	132622	20.31	21	0
	16-QAM	1 RB	0	1715	132022	20.16	21	0	
				1745	132322	20.11	21	0	
				1775	132622	20.01	21	0	
			25	1715	132022	20.32	21	0	
				1745	132322	20.27	21	0	
				1775	132622	20.14	21	0	
				49	1715	132022	20.25	21	0
					1745	132322	20.22	21	0
					1775	132622	20.06	21	0
			25 RB	0	1715	132022	20.36	21	0
					1745	132322	20.28	21	0
					1775	132622	20.23	21	0
		12		1715	132022	20.28	21	0	
				1745	132322	20.17	21	0	
				1775	132622	20.03	21	0	
		25		1715	132022	20.16	21	0	
				1745	132322	20.30	21	0	
				1775	132622	20.29	21	0	
		50RB			1715	132022	20.35	21	0
					1745	132322	20.06	21	0
					1775	132622	20.11	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	1715	132022	20.50	21	0
				1745	132322	20.50	21	0
				1775	132622	20.52	21	0
			25	1715	132022	20.49	21	0
				1745	132322	20.51	21	0
				1775	132622	20.52	21	0
			49	1715	132022	20.53	21	0
				1745	132322	20.54	21	0
				1775	132622	20.52	21	0
		25 RB	0	1715	132022	20.53	21	0
				1745	132322	20.51	21	0
				1775	132622	20.53	21	0
			12	1715	132022	20.53	21	0
				1745	132322	20.49	21	0
				1775	132622	20.50	21	0
			25	1715	132022	20.49	21	0
				1745	132322	20.53	21	0
				1775	132622	20.50	21	0
		50RB		1715	132022	20.52	21	0
				1745	132322	20.52	21	0
				1775	132622	20.51	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	1712.5	131997	20.26	21	0
				1745	132322	20.46	21	0
				1777.5	132647	20.17	21	0
			12	1712.5	131997	20.20	21	0
				1745	132322	20.32	21	0
				1777.5	132647	20.15	21	0
			24	1712.5	131997	20.16	21	0
				1745	132322	20.38	21	0
				1777.5	132647	20.06	21	0
		12 RB	0	1712.5	131997	20.19	21	0
				1745	132322	20.45	21	0
				1777.5	132647	20.26	21	0
			6	1712.5	131997	20.20	21	0
				1745	132322	20.47	21	0
				1777.5	132647	20.22	21	0
			13	1712.5	131997	20.20	21	0
				1745	132322	20.48	21	0
				1777.5	132647	20.25	21	0
		25RB		1712.5	131997	20.14	21	0
				1745	132322	20.41	21	0
				1777.5	132647	20.29	21	0
	16-QAM	1 RB	0	1712.5	131997	20.17	21	0
				1745	132322	20.26	21	0
				1777.5	132647	20.30	21	0
			12	1712.5	131997	20.11	21	0
				1745	132322	20.09	21	0
				1777.5	132647	20.24	21	0
			24	1712.5	131997	20.18	21	0
				1745	132322	20.22	21	0
				1777.5	132647	20.21	21	0
		12 RB	0	1712.5	131997	20.21	21	0
				1745	132322	20.05	21	0
				1777.5	132647	20.23	21	0
			6	1712.5	131997	20.22	21	0
				1745	132322	20.15	21	0
				1777.5	132647	20.13	21	0
			13	1712.5	131997	20.22	21	0
				1745	132322	20.24	21	0
				1777.5	132647	20.22	21	0
		25RB		1712.5	131997	20.22	21	0
				1745	132322	20.29	21	0
				1777.5	132647	20.31	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	1712.5	131997	20.49	21	0
				1745	132322	20.50	21	0
				1777.5	132647	20.53	21	0
			12	1712.5	131997	20.50	21	0
				1745	132322	20.50	21	0
				1777.5	132647	20.50	21	0
			24	1712.5	131997	20.52	21	0
				1745	132322	20.51	21	0
				1777.5	132647	20.50	21	0
		12 RB	0	1712.5	131997	20.49	21	0
				1745	132322	20.52	21	0
				1777.5	132647	20.52	21	0
			6	1712.5	131997	20.52	21	0
				1745	132322	20.49	21	0
				1777.5	132647	20.50	21	0
			13	1712.5	131997	20.52	21	0
				1745	132322	20.49	21	0
				1777.5	132647	20.53	21	0
		25RB		1712.5	131997	20.49	21	0
				1745	132322	20.52	21	0
				1777.5	132647	20.50	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	QPSK	1 RB	0	1711.5	131987	20.22	21	0
				1745	132322	20.38	21	0
				1778.5	132657	20.26	21	0
			7	1711.5	131987	20.30	21	0
				1745	132322	20.46	21	0
				1778.5	132657	20.26	21	0
			14	1711.5	131987	20.05	21	0
				1745	132322	20.34	21	0
				1778.5	132657	20.25	21	0
		8 RB	0	1711.5	131987	20.12	21	0
				1745	132322	20.36	21	0
				1778.5	132657	20.17	21	0
			4	1711.5	131987	20.25	21	0
				1745	132322	20.44	21	0
				1778.5	132657	20.30	21	0
			7	1711.5	131987	20.17	21	0
				1745	132322	20.38	21	0
				1778.5	132657	20.25	21	0
		15RB		1711.5	131987	20.19	21	0
				1745	132322	20.38	21	0
				1778.5	132657	20.24	21	0
	16-QAM	1 RB	0	1711.5	131987	20.18	21	0
				1745	132322	20.24	21	0
				1778.5	132657	20.24	21	0
			7	1711.5	131987	20.09	21	0
				1745	132322	20.14	21	0
				1778.5	132657	20.27	21	0
			14	1711.5	131987	20.24	21	0
				1745	132322	20.14	21	0
				1778.5	132657	20.39	21	0
		8 RB	0	1711.5	131987	20.27	21	0
				1745	132322	20.24	21	0
				1778.5	132657	20.27	21	0
			4	1711.5	131987	20.32	21	0
				1745	132322	20.16	21	0
				1778.5	132657	20.24	21	0
			7	1711.5	131987	20.19	21	0
				1745	132322	20.19	21	0
				1778.5	132657	20.27	21	0
		15RB		1711.5	131987	20.27	21	0
				1745	132322	20.14	21	0
				1778.5	132657	20.19	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3	64-QAM	1 RB	0	1711.5	131987	20.52	21	0
				1745	132322	20.53	21	0
				1778.5	132657	20.50	21	0
			7	1711.5	131987	20.51	21	0
				1745	132322	20.51	21	0
				1778.5	132657	20.52	21	0
			14	1711.5	131987	20.51	21	0
				1745	132322	20.54	21	0
				1778.5	132657	20.51	21	0
		8 RB	0	1711.5	131987	20.52	21	0
				1745	132322	20.51	21	0
				1778.5	132657	20.54	21	0
			4	1711.5	131987	20.50	21	0
				1745	132322	20.50	21	0
				1778.5	132657	20.52	21	0
			7	1711.5	131987	20.50	21	0
				1745	132322	20.50	21	0
				1778.5	132657	20.52	21	0
		15RB		1711.5	131987	20.51	21	0
				1745	132322	20.51	21	0
				1778.5	132657	20.52	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	QPSK	1 RB	0	1710.7	131979	20.11	21	0
				1745	132322	20.35	21	0
				1779.3	132665	20.17	21	0
			2	1710.7	131979	20.16	21	0
				1745	132322	20.43	21	0
				1779.3	132665	20.22	21	0
			5	1710.7	131979	20.16	21	0
				1745	132322	20.33	21	0
				1779.3	132665	20.10	21	0
		3 RB	0	1710.7	131979	20.12	21	0
				1745	132322	20.32	21	0
				1779.3	132665	20.19	21	0
			2	1710.7	131979	20.22	21	0
				1745	132322	20.41	21	0
				1779.3	132665	20.16	21	0
			3	1710.7	131979	20.14	21	0
				1745	132322	20.34	21	0
				1779.3	132665	20.21	21	0
		6RB		1710.7	131979	20.11	21	0
				1745	132322	20.31	21	0
				1779.3	132665	20.22	21	0
	16-QAM	1 RB	0	1710.7	131979	20.18	21	0
				1745	132322	20.05	21	0
				1779.3	132665	20.27	21	0
			2	1710.7	131979	20.36	21	0
				1745	132322	20.34	21	0
				1779.3	132665	20.17	21	0
			5	1710.7	131979	20.22	21	0
				1745	132322	20.04	21	0
				1779.3	132665	20.23	21	0
		3 RB	0	1710.7	131979	20.03	21	0
				1745	132322	20.38	21	0
				1779.3	132665	20.25	21	0
			2	1710.7	131979	20.28	21	0
				1745	132322	20.09	21	0
				1779.3	132665	20.31	21.0	0
			3	1710.7	131979	20.19	21	0
				1745	132322	20.15	21	0
				1779.3	132665	20.08	21	0
		6RB		1710.7	131979	20.11	21	0
				1745	132322	20.38	21	0
				1779.3	132665	20.34	21	0

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FDD Band 66 (Reduced Power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1.4	64-QAM	1 RB	0	1710.7	131979	20.50	21	0
				1745	132322	20.50	21	0
				1779.3	132665	20.50	21	0
			2	1710.7	131979	20.51	21	0
				1745	132322	20.53	21	0
				1779.3	132665	20.53	21	0
			5	1710.7	131979	20.50	21	0
				1745	132322	20.51	21	0
				1779.3	132665	20.53	21	0
		3 RB	0	1710.7	131979	20.54	21	0
				1745	132322	20.52	21	0
				1779.3	132665	20.52	21	0
			2	1710.7	131979	20.53	21	0
				1745	132322	20.50	21	0
				1779.3	132665	20.53	21.0	0
			3	1710.7	131979	20.52	21	0
				1745	132322	20.50	21	0
				1779.3	132665	20.53	21	0
		6RB		1710.7	131979	20.51	21	0
				1745	132322	20.52	21	0
				1779.3	132665	20.52	21	0

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LTE TDD Band 41 / Band 48 power table:

TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	2506	39750	22.83	23	0
				2549.5	40185	22.91	23	0
				2593	40620	22.75	23	0
				2636.5	41055	22.86	23	0
				2680	41490	22.80	23	0
			50	2506	39750	22.78	23	0
				2549.5	40185	22.75	23	0
				2593	40620	22.64	23	0
				2636.5	41055	22.89	23	0
				2680	41490	22.57	23	0
			99	2506	39750	22.58	23	0
				2549.5	40185	22.75	23	0
				2593	40620	22.99	23	0
				2636.5	41055	22.58	23	0
				2680	41490	22.33	23	0
		50 RB	0	2506	39750	21.86	22	0-1
				2549.5	40185	21.98	22	0-1
				2593	40620	21.89	22	0-1
				2636.5	41055	21.87	22	0-1
				2680	41490	21.74	22	0-1
			25	2506	39750	21.95	22	0-1
				2549.5	40185	21.88	22	0-1
				2593	40620	21.57	22	0-1
				2636.5	41055	21.94	22	0-1
				2680	41490	21.55	22	0-1
			50	2506	39750	21.90	22	0-1
				2549.5	40185	21.82	22	0-1
				2593	40620	21.92	22	0-1
				2636.5	41055	21.87	22	0-1
				2680	41490	21.43	22	0-1
		100RB		2506	39750	21.87	22	0-1
				2549.5	40185	21.93	22	0-1
				2593	40620	21.86	22	0-1
				2636.5	41055	21.96	22	0-1
				2680	41490	21.55	22	0-1

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	16-QAM	1 RB	0	2506	39750	21.87	22	0-1
				2549.5	40185	21.89	22	0-1
				2593	40620	21.78	22	0-1
				2636.5	41055	21.44	22	0-1
				2680	41490	21.95	22	0-1
			50	2506	39750	21.67	22	0-1
				2549.5	40185	21.90	22	0-1
				2593	40620	21.65	22	0-1
				2636.5	41055	22.00	22	0-1
				2680	41490	21.77	22	0-1
			99	2506	39750	21.87	22	0-1
				2549.5	40185	21.68	22	0-1
				2593	40620	21.75	22	0-1
				2636.5	41055	21.97	22	0-1
				2680	41490	21.67	22	0-1
		50 RB	0	2506	39750	20.76	21	0-2
				2549.5	40185	20.96	21	0-2
				2593	40620	20.85	21	0-2
				2636.5	41055	20.89	21	0-2
				2680	41490	20.78	21	0-2
			25	2506	39750	20.76	21	0-2
				2549.5	40185	20.97	21	0-2
				2593	40620	20.75	21	0-2
				2636.5	41055	20.99	21	0-2
				2680	41490	20.57	21	0-2
			50	2506	39750	20.95	21	0-2
				2549.5	40185	20.89	21	0-2
				2593	40620	20.88	21	0-2
				2636.5	41055	20.92	21	0-2
				2680	41490	20.71	21	0-2
		100RB		2506	39750	20.85	21	0-2
				2549.5	40185	20.76	21	0-2
				2593	40620	20.67	21	0-2
				2636.5	41055	21.00	21	0-2
				2680	41490	20.70	21	0-2

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	2506	39750	21.59	22	0-1
				2549.5	40185	21.57	22	0-1
				2593	40620	21.51	22	0-1
				2636.5	41055	21.45	22	0-1
				2680	41490	21.54	22	0-1
			50	2506	39750	21.92	22	0-1
				2549.5	40185	21.96	22	0-1
				2593	40620	21.95	22	0-1
				2636.5	41055	21.77	22	0-1
				2680	41490	21.90	22	0-1
			99	2506	39750	21.93	22	0-1
				2549.5	40185	21.89	22	0-1
				2593	40620	21.76	22	0-1
				2636.5	41055	21.78	22	0-1
				2680	41490	21.96	22	0-1
		50 RB	0	2506	39750	20.78	21	0-2
				2549.5	40185	20.83	21	0-2
				2593	40620	20.94	21	0-2
				2636.5	41055	20.97	21	0-2
				2680	41490	20.86	21	0-2
			25	2506	39750	20.79	21	0-2
				2549.5	40185	20.87	21	0-2
				2593	40620	20.96	21	0-2
				2636.5	41055	20.89	21	0-2
				2680	41490	20.80	21	0-2
			50	2506	39750	20.93	21	0-2
				2549.5	40185	20.84	21	0-2
				2593	40620	20.89	21	0-2
				2636.5	41055	20.84	21	0-2
				2680	41490	20.77	21	0-2
		100RB		2506	39750	20.95	21	0-2
				2549.5	40185	20.98	21	0-2
				2593	40620	20.78	21	0-2
				2636.5	41055	20.91	21	0-2
				2680	41490	20.85	21	0-2

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	2503.5	39725	22.98	23	0
				2548.3	40173	22.75	23	0
				2593	40620	22.81	23	0
				2637.8	41068	22.71	23	0
				2682.5	41515	22.96	23	0
			36	2503.5	39725	22.89	23	0
				2548.3	40173	22.77	23	0
				2593	40620	22.71	23	0
				2637.8	41068	22.97	23	0
				2682.5	41515	22.78	23	0
			74	2503.5	39725	22.77	23	0
				2548.3	40173	22.78	23	0
				2593	40620	22.75	23	0
				2637.8	41068	22.75	23	0
				2682.5	41515	22.74	23	0
		36 RB	0	2503.5	39725	21.90	22	0-1
				2548.3	40173	21.71	22	0-1
				2593	40620	21.95	22	0-1
				2637.8	41068	21.95	22	0-1
				2682.5	41515	21.73	22	0-1
			18	2503.5	39725	21.82	22	0-1
				2548.3	40173	21.90	22	0-1
				2593	40620	21.74	22	0-1
				2637.8	41068	21.89	22	0-1
				2682.5	41515	21.86	22	0-1
			37	2503.5	39725	22.00	22	0-1
				2548.3	40173	21.82	22	0-1
				2593	40620	21.85	22	0-1
				2637.8	41068	21.96	22	0-1
				2682.5	41515	21.73	22	0-1
		75RB		2503.5	39725	21.73	22	0-1
				2548.3	40173	21.84	22	0-1
				2593	40620	21.87	22	0-1
				2637.8	41068	21.81	22	0-1
				2682.5	41515	21.99	22	0-1

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	16-QAM	1 RB	0	2503.5	39725	21.77	22	0-1
				2548.3	40173	21.81	22	0-1
				2593	40620	21.94	22	0-1
				2637.8	41068	21.86	22	0-1
				2682.5	41515	21.81	22	0-1
			36	2503.5	39725	21.81	22	0-1
				2548.3	40173	21.92	22	0-1
				2593	40620	21.75	22	0-1
				2637.8	41068	21.80	22	0-1
				2682.5	41515	21.76	22	0-1
			74	2503.5	39725	21.87	22	0-1
				2548.3	40173	21.99	22	0-1
				2593	40620	21.96	22	0-1
				2637.8	41068	22.00	22	0-1
				2682.5	41515	21.84	22	0-1
		36 RB	0	2503.5	39725	20.84	21	0-2
				2548.3	40173	20.80	21	0-2
				2593	40620	20.90	21	0-2
				2637.8	41068	20.82	21	0-2
				2682.5	41515	20.94	21	0-2
			18	2503.5	39725	20.99	21	0-2
				2548.3	40173	20.90	21	0-2
				2593	40620	20.83	21	0-2
				2637.8	41068	20.93	21	0-2
				2682.5	41515	20.82	21	0-2
			37	2503.5	39725	20.89	21	0-2
				2548.3	40173	20.75	21	0-2
				2593	40620	20.90	21	0-2
				2637.8	41068	20.75	21	0-2
				2682.5	41515	20.77	21	0-2
		75RB		2503.5	39725	20.88	21	0-2
				2548.3	40173	20.89	21	0-2
				2593	40620	20.93	21	0-2
				2637.8	41068	20.81	21	0-2
				2682.5	41515	20.96	21	0-2

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	2503.5	39725	21.74	22	0-1
				2548.3	40173	21.82	22	0-1
				2593	40620	21.97	22	0-1
				2637.8	41068	21.75	22	0-1
				2682.5	41515	21.98	22	0-1
			36	2503.5	39725	21.86	22	0-1
				2548.3	40173	21.79	22	0-1
				2593	40620	21.94	22	0-1
				2637.8	41068	21.91	22	0-1
				2682.5	41515	21.96	22	0-1
			74	2503.5	39725	21.86	22	0-1
				2548.3	40173	21.98	22	0-1
				2593	40620	21.99	22	0-1
				2637.8	41068	21.72	22	0-1
				2682.5	41515	21.73	22	0-1
		36 RB	0	2503.5	39725	20.98	21	0-2
				2548.3	40173	20.99	21	0-2
				2593	40620	20.73	21	0-2
				2637.8	41068	20.85	21	0-2
				2682.5	41515	20.87	21	0-2
			18	2503.5	39725	20.74	21	0-2
				2548.3	40173	20.89	21	0-2
				2593	40620	20.76	21	0-2
				2637.8	41068	20.92	21	0-2
				2682.5	41515	20.84	21	0-2
			37	2503.5	39725	20.96	21	0-2
				2548.3	40173	20.95	21	0-2
				2593	40620	20.95	21	0-2
				2637.8	41068	20.72	21	0-2
				2682.5	41515	20.83	21	0-2
		75RB		2503.5	39725	20.93	21	0-2
				2548.3	40173	20.87	21	0-2
				2593	40620	20.62	21	0-2
				2637.8	41068	20.39	21	0-2
				2682.5	41515	20.35	21	0-2

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	2501	39700	22.96	23	0
				2547	40160	22.70	23	0
				2593	40620	22.86	23	0
				2639	41080	22.96	23	0
				2685	41540	22.98	23	0
			25	2501	39700	22.83	23	0
				2547	40160	22.94	23	0
				2593	40620	22.77	23	0
				2639	41080	22.83	23	0
				2685	41540	22.76	23	0
			49	2501	39700	22.75	23	0
				2547	40160	22.92	23	0
				2593	40620	22.90	23	0
				2639	41080	22.82	23	0
				2685	41540	22.97	23	0
		25 RB	0	2501	39700	21.96	22	0-1
				2547	40160	21.90	22	0-1
				2593	40620	22.00	22	0-1
				2639	41080	21.81	22	0-1
				2685	41540	21.77	22	0-1
			12	2501	39700	21.83	22	0-1
				2547	40160	21.81	22	0-1
				2593	40620	21.93	22	0-1
				2639	41080	21.74	22	0-1
				2685	41540	21.98	22	0-1
			25	2501	39700	21.85	22	0-1
				2547	40160	21.82	22	0-1
				2593	40620	21.92	22	0-1
				2639	41080	21.89	22	0-1
				2685	41540	21.99	22	0-1
		50RB		2501	39700	21.89	22	0-1
				2547	40160	21.92	22	0-1
				2593	40620	21.99	22	0-1
				2639	41080	21.91	22	0-1
				2685	41540	21.82	22	0-1

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	16-QAM	1 RB	0	2501	39700	21.98	22	0-1
				2547	40160	21.94	22	0-1
				2593	40620	21.76	22	0-1
				2639	41080	21.80	22	0-1
				2685	41540	21.90	22	0-1
			25	2501	39700	21.98	22	0-1
				2547	40160	21.86	22	0-1
				2593	40620	21.79	22	0-1
				2639	41080	21.88	22	0-1
				2685	41540	21.90	22	0-1
			49	2501	39700	21.73	22	0-1
				2547	40160	21.91	22	0-1
				2593	40620	21.75	22	0-1
				2639	41080	21.73	22	0-1
				2685	41540	21.94	22	0-1
		25 RB	0	2501	39700	20.83	21	0-2
				2547	40160	20.75	21	0-2
				2593	40620	20.81	21	0-2
				2639	41080	20.72	21	0-2
				2685	41540	20.81	21	0-2
			12	2501	39700	20.96	21	0-2
				2547	40160	20.82	21	0-2
				2593	40620	20.92	21	0-2
				2639	41080	20.97	21	0-2
				2685	41540	20.77	21	0-2
			25	2501	39700	20.87	21	0-2
				2547	40160	20.99	21	0-2
				2593	40620	20.88	21	0-2
				2639	41080	20.85	21	0-2
				2685	41540	20.73	21	0-2
		50RB		2501	39700	20.83	21	0-2
				2547	40160	20.90	21	0-2
				2593	40620	20.99	21	0-2
				2639	41080	20.93	21	0-2
				2685	41540	20.76	21	0-2

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	2501	39700	21.79	22	0-1
				2547	40160	21.80	22	0-1
				2593	40620	21.92	22	0-1
				2639	41080	21.86	22	0-1
				2685	41540	21.85	22	0-1
			25	2501	39700	21.80	22	0-1
				2547	40160	21.75	22	0-1
				2593	40620	21.81	22	0-1
				2639	41080	21.77	22	0-1
				2685	41540	21.72	22	0-1
			49	2501	39700	21.91	22	0-1
				2547	40160	21.94	22	0-1
				2593	40620	21.76	22	0-1
				2639	41080	21.86	22	0-1
				2685	41540	21.90	22	0-1
		25 RB	0	2501	39700	20.89	21	0-2
				2547	40160	20.80	21	0-2
				2593	40620	20.84	21	0-2
				2639	41080	20.98	21	0-2
				2685	41540	20.97	21	0-2
			12	2501	39700	20.86	21	0-2
				2547	40160	20.95	21	0-2
				2593	40620	20.97	21	0-2
				2639	41080	20.70	21	0-2
				2685	41540	20.93	21	0-2
			25	2501	39700	20.80	21	0-2
				2547	40160	20.77	21	0-2
				2593	40620	20.73	21	0-2
				2639	41080	20.82	21	0-2
				2685	41540	20.73	21	0-2
		50RB		2501	39700	20.76	21	0-2
				2547	40160	20.75	21	0-2
				2593	40620	20.61	21	0-2
				2639	41080	20.24	21	0-2
				2685	41540	20.28	21	0-2

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	2498.5	39675	22.92	23	0
				2547.8	40148	22.93	23	0
				2593	40620	22.77	23	0
				2640.3	41093	22.72	23	0
				2687.5	41565	22.94	23	0
			12	2498.5	39675	22.95	23	0
				2547.8	40148	22.71	23	0
				2593	40620	22.86	23	0
				2640.3	41093	22.88	23	0
				2687.5	41565	22.71	23	0
			24	2498.5	39675	22.74	23	0
				2547.8	40148	22.94	23	0
				2593	40620	22.96	23	0
				2640.3	41093	22.72	23	0
				2687.5	41565	22.98	23	0
		12 RB	0	2498.5	39675	21.96	22	0-1
				2547.8	40148	21.88	22	0-1
				2593	40620	21.72	22	0-1
				2640.3	41093	21.93	22	0-1
				2687.5	41565	21.76	22	0-1
			6	2498.5	39675	21.96	22	0-1
				2547.8	40148	21.75	22	0-1
				2593	40620	21.96	22	0-1
				2640.3	41093	21.93	22	0-1
				2687.5	41565	21.73	22	0-1
			13	2498.5	39675	21.90	22	0-1
				2547.8	40148	21.92	22	0-1
				2593	40620	21.87	22	0-1
				2640.3	41093	21.79	22	0-1
				2687.5	41565	21.97	22	0-1
		25RB		2498.5	39675	22.00	22	0-1
				2547.8	40148	21.91	22	0-1
				2593	40620	21.97	22	0-1
				2640.3	41093	21.92	22	0-1
				2687.5	41565	21.73	22	0-1

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	16-QAM	1 RB	0	2498.5	39675	21.82	22	0-1
				2547.8	40148	21.81	22	0-1
				2593	40620	21.85	22	0-1
				2640.3	41093	21.97	22	0-1
				2687.5	41565	21.95	22	0-1
			12	2498.5	39675	21.81	22	0-1
				2547.8	40148	21.80	22	0-1
				2593	40620	21.94	22	0-1
				2640.3	41093	21.84	22	0-1
				2687.5	41565	21.76	22	0-1
			24	2498.5	39675	21.73	22	0-1
				2547.8	40148	21.81	22	0-1
				2593	40620	21.79	22	0-1
				2640.3	41093	21.84	22	0-1
				2687.5	41565	21.80	22	0-1
		12 RB	0	2498.5	39675	20.89	21	0-2
				2547.8	40148	20.80	21	0-2
				2593	40620	20.96	21	0-2
				2640.3	41093	20.87	21	0-2
				2687.5	41565	20.82	21	0-2
			6	2498.5	39675	20.96	21	0-2
				2547.8	40148	20.94	21	0-2
				2593	40620	20.74	21	0-2
				2640.3	41093	20.82	21	0-2
				2687.5	41565	20.82	21	0-2
			13	2498.5	39675	20.86	21	0-2
				2547.8	40148	20.90	21	0-2
				2593	40620	20.81	21	0-2
				2640.3	41093	20.79	21	0-2
				2687.5	41565	20.81	21	0-2
		25RB		2498.5	39675	20.99	21	0-2
				2547.8	40148	20.89	21	0-2
				2593	40620	20.85	21	0-2
				2640.3	41093	20.88	21	0-2
				2687.5	41565	20.98	21	0-2

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TDD Band 41 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	2498.5	39675	21.89	22	0-1
				2547.8	40148	21.92	22	0-1
				2593	40620	22.00	22	0-1
				2640.3	41093	21.90	22	0-1
				2687.5	41565	22.00	22	0-1
			12	2498.5	39675	21.88	22	0-1
				2547.8	40148	21.89	22	0-1
				2593	40620	21.74	22	0-1
				2640.3	41093	21.76	22	0-1
				2687.5	41565	21.88	22	0-1
			24	2498.5	39675	21.77	22	0-1
				2547.8	40148	21.73	22	0-1
				2593	40620	21.72	22	0-1
				2640.3	41093	21.78	22	0-1
				2687.5	41565	21.92	22	0-1
		12 RB	0	2498.5	39675	20.77	21	0-2
				2547.8	40148	20.77	21	0-2
				2593	40620	20.80	21	0-2
				2640.3	41093	20.84	21	0-2
				2687.5	41565	20.92	21	0-2
			6	2498.5	39675	20.90	21	0-2
				2547.8	40148	20.75	21	0-2
				2593	40620	20.84	21	0-2
				2640.3	41093	20.83	21	0-2
				2687.5	41565	20.87	21	0-2
			13	2498.5	39675	20.89	21	0-2
				2547.8	40148	20.79	21	0-2
				2593	40620	20.98	21	0-2
				2640.3	41093	21.00	21	0-2
				2687.5	41565	20.85	21	0-2
		25RB		2498.5	39675	20.99	21	0-2
				2547.8	40148	20.75	21	0-2
				2593	40620	20.57	21	0-2
				2640.3	41093	20.35	21	0-2
				2687.5	41565	20.29	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	QPSK	1 RB	0	3560	55340	22.81	23	0
				3603.3	55773	22.79	23	0
				3646.7	56207	22.75	23	0
				3690	56640	22.71	23	0
			50	3560	55340	22.44	23	0
				3603.3	55773	21.92	23	0
				3646.7	56207	21.99	23	0
				3690	56640	22.42	23	0
			99	3560	55340	22.43	23	0
				3603.3	55773	22.03	23	0
				3646.7	56207	21.83	23	0
				3690	56640	22.59	23	0
		50 RB	0	3560	55340	21.72	22	0-1
				3603.3	55773	21.71	22	0-1
				3646.7	56207	21.65	22	0-1
				3690	56640	21.56	22	0-1
			25	3560	55340	21.53	22	0-1
				3603.3	55773	21.45	22	0-1
				3646.7	56207	21.51	22	0-1
				3690	56640	21.50	22	0-1
			50	3560	55340	21.51	22	0-1
				3603.3	55773	21.47	22	0-1
				3646.7	56207	21.46	22	0-1
				3690	56640	21.54	22	0-1
		100RB		3560	55340	21.52	22	0-1
				3603.3	55773	21.48	22	0-1
				3646.7	56207	21.41	22	0-1
				3690	56640	21.51	22	0-1

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	16-QAM	1 RB	0	3560	55340	21.85	22	0-1
				3603.3	55773	21.76	22	0-1
				3646.7	56207	21.74	22	0-1
				3690	56640	21.91	22	0-1
			50	3560	55340	21.79	22	0-1
				3603.3	55773	21.82	22	0-1
				3646.7	56207	21.79	22	0-1
				3690	56640	21.92	22	0-1
			99	3560	55340	21.96	22	0-1
				3603.3	55773	21.69	22	0-1
				3646.7	56207	21.74	22	0-1
				3690	56640	21.93	22	0-1
		50 RB	0	3560	55340	20.86	21	0-2
				3603.3	55773	20.83	21	0-2
				3646.7	56207	20.81	21	0-2
				3690	56640	20.94	21	0-2
			25	3560	55340	20.81	21	0-2
				3603.3	55773	20.76	21	0-2
				3646.7	56207	20.74	21	0-2
				3690	56640	20.90	21	0-2
			50	3560	55340	20.91	21	0-2
				3603.3	55773	20.86	21	0-2
				3646.7	56207	20.88	21	0-2
				3690	56640	20.94	21	0-2
		100RB		3560	55340	20.90	21	0-2
				3603.3	55773	20.85	21	0-2
				3646.7	56207	20.79	21	0-2
				3690	56640	20.92	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
20	64-QAM	1 RB	0	3560	55340	21.95	22	0-1
				3603.3	55773	21.92	22	0-1
				3646.7	56207	21.94	22	0-1
				3690	56640	21.83	22	0-1
			50	3560	55340	21.84	22	0-1
				3603.3	55773	21.82	22	0-1
				3646.7	56207	21.78	22	0-1
				3690	56640	21.79	22	0-1
			99	3560	55340	21.90	22	0-1
				3603.3	55773	21.85	22	0-1
				3646.7	56207	21.76	22	0-1
				3690	56640	21.83	22	0-1
		50 RB	0	3560	55340	20.95	21	0-2
				3603.3	55773	20.93	21	0-2
				3646.7	56207	20.82	21	0-2
				3690	56640	20.84	21	0-2
			25	3560	55340	20.95	21	0-2
				3603.3	55773	20.78	21	0-2
				3646.7	56207	20.85	21	0-2
				3690	56640	20.90	21	0-2
			50	3560	55340	20.93	21	0-2
				3603.3	55773	20.83	21	0-2
				3646.7	56207	20.81	21	0-2
				3690	56640	20.82	21	0-2
		100RB		3560	55340	20.93	21	0-2
				3603.3	55773	20.88	21	0-2
				3646.7	56207	20.85	21	0-2
				3690	56640	20.93	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	QPSK	1 RB	0	3557.5	55315	22.76	23	0
				3602.5	55765	22.24	23	0
				3647.5	56215	22.22	23	0
				3692.5	56665	22.50	23	0
			36	3557.5	55315	22.30	23	0
				3602.5	55765	21.79	23	0
				3647.5	56215	21.94	23	0
				3692.5	56665	22.37	23	0
			74	3557.5	55315	22.24	23	0
				3602.5	55765	21.95	23	0
				3647.5	56215	21.64	23	0
				3692.5	56665	22.41	23	0
		36 RB	0	3557.5	55315	21.55	22	0-1
				3602.5	55765	21.54	22	0-1
				3647.5	56215	21.58	22	0-1
				3692.5	56665	21.35	22	0-1
			18	3557.5	55315	21.36	22	0-1
				3602.5	55765	21.40	22	0-1
				3647.5	56215	21.43	22	0-1
				3692.5	56665	21.29	22	0-1
			37	3557.5	55315	21.34	22	0-1
				3602.5	55765	21.30	22	0-1
				3647.5	56215	21.36	22	0-1
				3692.5	56665	21.38	22	0-1
		75RB		3557.5	55315	21.40	22	0-1
				3602.5	55765	21.43	22	0-1
				3647.5	56215	21.38	22	0-1
				3692.5	56665	21.30	22	0-1

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	16-QAM	1 RB	0	3557.5	55315	21.93	22	0-1
				3602.5	55765	21.72	22	0-1
				3647.5	56215	21.71	22	0-1
				3692.5	56665	21.81	22	0-1
			36	3557.5	55315	21.95	22	0-1
				3602.5	55765	21.74	22	0-1
				3647.5	56215	21.67	22	0-1
				3692.5	56665	21.98	22	0-1
			74	3557.5	55315	21.87	22	0-1
				3602.5	55765	21.59	22	0-1
				3647.5	56215	21.69	22	0-1
				3692.5	56665	21.97	22	0-1
		36 RB	0	3557.5	55315	20.91	21	0-2
				3602.5	55765	20.68	21	0-2
				3647.5	56215	20.66	21	0-2
				3692.5	56665	20.91	21	0-2
			18	3557.5	55315	20.87	21	0-2
				3602.5	55765	20.63	21	0-2
				3647.5	56215	20.57	21	0-2
				3692.5	56665	20.85	21	0-2
			37	3557.5	55315	20.98	21	0-2
				3602.5	55765	20.82	21	0-2
				3647.5	56215	20.87	21	0-2
				3692.5	56665	20.84	21	0-2
		75RB		3557.5	55315	20.90	21	0-2
				3602.5	55765	20.76	21	0-2
				3647.5	56215	20.79	21	0-2
				3692.5	56665	20.98	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
15	64-QAM	1 RB	0	3557.5	55315	21.88	22	0-1
				3602.5	55765	21.73	22	0-1
				3647.5	56215	21.78	22	0-1
				3692.5	56665	21.89	22	0-1
			36	3557.5	55315	21.96	22	0-1
				3602.5	55765	21.73	22	0-1
				3647.5	56215	21.69	22	0-1
				3692.5	56665	21.92	22	0-1
			74	3557.5	55315	21.80	22	0-1
				3602.5	55765	21.76	22	0-1
				3647.5	56215	21.67	22	0-1
				3692.5	56665	21.87	22	0-1
		36 RB	0	3557.5	55315	20.88	21	0-2
				3602.5	55765	20.76	21	0-2
				3647.5	56215	20.72	21	0-2
				3692.5	56665	20.84	21	0-2
			18	3557.5	55315	20.83	21	0-2
				3602.5	55765	20.65	21	0-2
				3647.5	56215	20.69	21	0-2
				3692.5	56665	20.85	21	0-2
			37	3557.5	55315	20.84	21	0-2
				3602.5	55765	20.70	21	0-2
				3647.5	56215	20.80	21	0-2
				3692.5	56665	20.89	21	0-2
		75RB		3557.5	55315	20.85	21	0-2
				3602.5	55765	20.83	21	0-2
				3647.5	56215	20.85	21	0-2
				3692.5	56665	20.84	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	QPSK	1 RB	0	3555	55290	22.76	23	0
				3601.7	55757	22.17	23	0
				3648.3	56223	22.07	23	0
				3695	56690	22.59	23	0
			25	3555	55290	22.28	23	0
				3601.7	55757	21.61	23	0
				3648.3	56223	21.87	23	0
				3695	56690	22.24	23	0
			49	3555	55290	22.27	23	0
				3601.7	55757	21.92	23	0
				3648.3	56223	21.50	23	0
				3695	56690	22.38	23	0
		25 RB	0	3555	55290	21.61	22	0-1
				3601.7	55757	21.35	22	0-1
				3648.3	56223	21.44	22	0-1
				3695	56690	21.47	22	0-1
			12	3555	55290	21.32	22	0-1
				3601.7	55757	21.39	22	0-1
				3648.3	56223	21.26	22	0-1
				3695	56690	21.39	22	0-1
			25	3555	55290	21.39	22	0-1
				3601.7	55757	21.17	22	0-1
				3648.3	56223	21.32	22	0-1
				3695	56690	21.36	22	0-1
		50RB		3555	55290	21.38	22	0-1
				3601.7	55757	21.41	22	0-1
				3648.3	56223	21.22	22	0-1
				3695	56690	21.40	22	0-1

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	16-QAM	1 RB	0	3555	55290	21.87	22	0-1
				3601.7	55757	21.61	22	0-1
				3648.3	56223	21.70	22	0-1
				3695	56690	21.85	22	0-1
			25	3555	55290	21.96	22	0-1
				3601.7	55757	21.66	22	0-1
				3648.3	56223	21.55	22	0-1
				3695	56690	21.84	22	0-1
			49	3555	55290	21.98	22	0-1
				3601.7	55757	21.46	22	0-1
				3648.3	56223	21.64	22	0-1
				3695	56690	21.98	22	0-1
		25 RB	0	3555	55290	20.80	21	0-2
				3601.7	55757	20.66	21	0-2
				3648.3	56223	20.59	21	0-2
				3695	56690	20.86	21	0-2
			12	3555	55290	20.79	21	0-2
				3601.7	55757	20.62	21	0-2
				3648.3	56223	20.51	21	0-2
				3695	56690	20.94	21	0-2
			25	3555	55290	20.79	21	0-2
				3601.7	55757	20.76	21	0-2
				3648.3	56223	20.87	21	0-2
				3695	56690	20.91	21	0-2
		50RB		3555	55290	20.83	21	0-2
				3601.7	55757	20.72	21	0-2
				3648.3	56223	20.69	21	0-2
				3695	56690	20.86	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
10	64-QAM	1 RB	0	3555	55290	21.80	22	0-1
				3601.7	55757	21.58	22	0-1
				3648.3	56223	21.68	22	0-1
				3695	56690	21.90	22	0-1
			25	3555	55290	21.87	22	0-1
				3601.7	55757	21.69	22	0-1
				3648.3	56223	21.51	22	0-1
				3695	56690	21.83	22	0-1
			49	3555	55290	21.82	22	0-1
				3601.7	55757	21.66	22	0-1
				3648.3	56223	21.52	22	0-1
				3695	56690	21.98	22	0-1
		25 RB	0	3555	55290	20.85	21	0-2
				3601.7	55757	20.74	21	0-2
				3648.3	56223	20.61	21	0-2
				3695	56690	20.83	21	0-2
			12	3555	55290	20.94	21	0-2
				3601.7	55757	20.53	21	0-2
				3648.3	56223	20.67	21	0-2
				3695	56690	20.80	21	0-2
			25	3555	55290	20.90	21	0-2
				3601.7	55757	20.69	21	0-2
				3648.3	56223	20.63	21	0-2
				3695	56690	20.97	21	0-2
		50RB		3555	55290	20.85	21	0-2
				3601.7	55757	20.68	21	0-2
				3648.3	56223	20.70	21	0-2
				3695	56690	20.85	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	QPSK	1 RB	0	3552.5	55265	22.60	23	0
				3600.8	55748	21.98	23	0
				3649.2	56232	21.97	23	0
				3697.5	56715	22.59	23	0
			12	3552.5	55265	22.30	23	0
				3600.8	55748	21.60	23	0
				3649.2	56232	21.86	23	0
				3697.5	56715	22.28	23	0
			24	3552.5	55265	22.29	23	0
				3600.8	55748	21.76	23	0
				3649.2	56232	21.42	23	0
				3697.5	56715	22.54	23	0
		12 RB	0	3552.5	55265	21.59	22	0-1
				3600.8	55748	21.19	22	0-1
				3649.2	56232	21.34	22	0-1
				3697.5	56715	21.47	22	0-1
			6	3552.5	55265	21.51	22	0-1
				3600.8	55748	21.25	22	0-1
				3649.2	56232	21.10	22	0-1
				3697.5	56715	21.44	22	0-1
			13	3552.5	55265	21.45	22	0-1
				3600.8	55748	21.01	22	0-1
				3649.2	56232	21.19	22	0-1
				3697.5	56715	21.33	22	0-1
		25RB		3552.5	55265	21.35	22	0-1
				3600.8	55748	21.27	22	0-1
				3649.2	56232	21.21	22	0-1
				3697.5	56715	21.35	22	0-1

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	16-QAM	1 RB	0	3552.5	55265	21.82	22	0-1
				3600.8	55748	21.55	22	0-1
				3649.2	56232	21.60	22	0-1
				3697.5	56715	21.79	22	0-1
			12	3552.5	55265	21.92	22	0-1
				3600.8	55748	21.51	22	0-1
				3649.2	56232	21.49	22	0-1
				3697.5	56715	21.85	22	0-1
			24	3552.5	55265	21.86	22	0-1
				3600.8	55748	21.34	22	0-1
				3649.2	56232	21.50	22	0-1
				3697.5	56715	21.97	22	0-1
		12 RB	0	3552.5	55265	20.87	21	0-2
				3600.8	55748	20.47	21	0-2
				3649.2	56232	20.51	21	0-2
				3697.5	56715	20.80	21	0-2
			6	3552.5	55265	20.89	21	0-2
				3600.8	55748	20.58	21	0-2
				3649.2	56232	20.38	21	0-2
				3697.5	56715	20.93	21	0-2
			13	3552.5	55265	20.87	21	0-2
				3600.8	55748	20.66	21	0-2
				3649.2	56232	20.72	21	0-2
				3697.5	56715	20.79	21	0-2
		25RB		3552.5	55265	20.96	21	0-2
				3600.8	55748	20.62	21	0-2
				3649.2	56232	20.65	21	0-2
				3697.5	56715	20.79	21	0-2

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TDD Band 48 (Full power)								
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
5	64-QAM	1 RB	0	3552.5	55265	21.96	22	0-1
				3600.8	55748	21.51	22	0-1
				3649.2	56232	21.59	22	0-1
				3697.5	56715	21.84	22	0-1
			12	3552.5	55265	21.95	22	0-1
				3600.8	55748	21.53	22	0-1
				3649.2	56232	21.49	22	0-1
				3697.5	56715	21.97	22	0-1
			24	3552.5	55265	21.92	22	0-1
				3600.8	55748	21.61	22	0-1
				3649.2	56232	21.34	22	0-1
				3697.5	56715	21.98	22	0-1
		12 RB	0	3552.5	55265	20.97	21	0-2
				3600.8	55748	20.73	21	0-2
				3649.2	56232	20.61	21	0-2
				3697.5	56715	20.96	21	0-2
			6	3552.5	55265	20.85	21	0-2
				3600.8	55748	20.46	21	0-2
				3649.2	56232	20.65	21	0-2
				3697.5	56715	20.82	21	0-2
			13	3552.5	55265	20.90	21	0-2
				3600.8	55748	20.63	21	0-2
				3649.2	56232	20.49	21	0-2
				3697.5	56715	20.89	21	0-2
		25RB		3552.5	55265	20.82	21	0-2
				3600.8	55748	20.53	21	0-2
				3649.2	56232	20.64	21	0-2
				3697.5	56715	20.82	21	0-2

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WLAN802.11 a/b/g/n(20M/40M)/ac(20M/40M/80M) conducted power table:

Antenna Band	SISO		MIMO
	Chain 0	Chain 1	Chain0+1
WLAN802.11b	V	V	-
WLAN802.11g	V	V	-
WLAN802.11n(20M)	V	V	V
WLAN802.11n(40M)	V	V	V
WLAN802.11a	V	V	-
WLAN802.11n(20M) 5G	V	V	V
WLAN802.11n(40M) 5G	V	V	V
WLAN802.11ac(20M) 5G	V	V	V
WLAN802.11ac(40M) 5G	V	V	V
WLAN802.11ac(80M) 5G	V	V	V

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Main (Chain 0)

Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	20.00	19.93
		6	2437		20.00	20.00
		11	2462		20.00	19.96
	802.11g	1	2412	6Mbps	18.00	17.87
		6	2437		18.00	17.88
		11	2462		18.00	17.95
	802.11n20-HT0	1	2412	MCS0	18.00	17.79
		6	2437		18.00	17.90
		11	2462		18.00	17.81
	802.11n40-HT0	3	2422	MCS0	18.00	17.85
		6	2437		18.00	17.83
		9	2452		18.00	17.94

Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	18.50	17.79
		40	5200		19.00	17.79
		44	5220		18.50	17.81
		48	5240		18.50	17.92
	802.11n20-HT0	36	5180	MCS0	18.00	17.88
		40	5200		18.00	17.76
		44	5220		18.00	17.78
		48	5240		18.00	17.92
	802.11ac20-VHT0	36	5180	MCS0	18.00	17.90
		40	5200		18.00	17.80
		44	5220		18.00	17.94
		48	5240		18.00	17.77
	802.11n40-HT0	38	5190	MCS0	18.00	17.89
		46	5230		18.00	17.84
	802.11ac40-VHT0	38	5190	MCS0	18.00	17.79
		46	5230		18.00	17.90
	802.11ac80-VHT0	42	5210	MCS0	19.00	17.99

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	18.50	17.85
		56	5280		18.50	17.83
		60	5300		18.50	17.86
		64	5320		18.50	17.73
	802.11n20-HT0	52	5260	MCS0	18.00	17.84
		56	5280		18.00	17.84
		60	5300		18.00	17.92
		64	5320		18.00	17.84
	802.11ac20-VHT0	52	5260	MCS0	18.00	17.89
		56	5280		18.00	17.73
		60	5300		18.00	17.77
		64	5320		18.00	17.83
	802.11n40-HT0	54	5270	MCS0	18.00	17.80
		62	5310		18.00	17.89
	802.11ac40-VHT0	54	5270	MCS0	18.00	17.90
		62	5310		18.00	17.85
	802.11ac80-VHT0	58	5290	MCS0	18.50	17.94

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	18.50	17.81
		116	5580		18.50	17.80
		120	5600		19.00	17.88
		140	5700		19.00	17.88
	802.11n20-HT0	100	5500	MCS0	18.00	17.80
		116	5580		18.00	17.88
		120	5600		18.00	17.87
		140	5700		18.00	17.78
		144	5720		18.00	17.94
	802.11ac20-VHT0	100	5500	MCS0	18.00	17.85
		116	5580		18.00	17.85
		120	5600		18.00	17.85
		140	5700		18.00	17.78
		144	5720		18.00	17.81
	802.11n40-HT0	102	5510	MCS0	18.00	17.94
		110	5550		18.00	17.89
		118	5590		18.00	17.79
		134	5670		18.00	17.84
	802.11ac40-VHT0	102	5510	MCS0	18.00	17.87
		110	5550		18.00	17.81
		118	5590		18.00	17.95
		134	5670		18.00	17.93
		142	5710		18.00	17.91
	802.11ac80-VHT0	106	5530	MCS0	19.00	18.00
		122	5610		19.00	17.99
		138	5690		19.00	17.96

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Main Antenna						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	19.00	17.84
		157	5785		19.00	17.86
		165	5825		19.00	17.81
	802.11n20-HT0	149	5745	MCS0	18.00	17.93
		157	5785		18.00	17.80
		165	5825		18.00	17.92
	802.11ac20-VHT0	149	5745	MCS0	18.00	17.81
		157	5785		18.00	17.93
		165	5825		18.00	17.88
	802.11n40-HT0	151	5755	MCS0	18.00	17.89
		159	5795		18.00	17.83
	802.11ac40-VHT0	151	5755	MCS0	18.00	17.79
		159	5795		18.00	17.82
	802.11ac80-VHT0	155	5775	MCS0	19.00	17.95

Aux (Chain 1)

Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	20.00	19.96
		6	2437		20.00	20.00
		11	2462		20.00	19.99
	802.11g	1	2412	6Mbps	18.00	17.84
		6	2437		18.00	17.80
		11	2462		18.00	17.79
	802.11n20-HT0	1	2412	MCS0	18.00	17.90
		6	2437		18.00	17.82
		11	2462		18.00	17.87
	802.11n40-HT0	3	2422	MCS0	18.00	17.95
		6	2437		18.00	17.76
		9	2452		18.00	17.82

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	18.50	17.91
		40	5200		18.50	17.76
		44	5220		18.50	17.80
		48	5240		18.50	17.85
	802.11n20-HT0	36	5180	MCS0	18.00	17.81
		40	5200		18.00	17.87
		44	5220		18.00	17.90
		48	5240		18.00	17.86
	802.11ac20-VHT0	36	5180	MCS0	18.00	17.91
		40	5200		18.00	17.89
		44	5220		18.00	17.87
		48	5240		18.00	17.86
	802.11n40-HT0	38	5190	MCS0	18.00	17.85
		46	5230		18.00	17.89
	802.11ac40-VHT0	38	5190	MCS0	18.00	17.91
		46	5230		18.00	17.94
	802.11ac80-VHT0	42	5210	MCS0	18.50	17.97

Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	18.50	17.89
		56	5280		18.50	17.81
		60	5300		18.50	17.81
		64	5320		18.50	17.83
	802.11n20-HT0	52	5260	MCS0	18.00	17.75
		56	5280		18.00	17.87
		60	5300		18.00	17.81
		64	5320		18.00	17.78
	802.11ac20-VHT0	52	5260	MCS0	18.00	17.91
		56	5280		18.00	17.76
		60	5300		18.00	17.79
		64	5320		18.00	17.78
	802.11n40-HT0	54	5270	MCS0	18.00	17.78
		62	5310		18.00	17.84
	802.11ac40-VHT0	54	5270	MCS0	18.00	17.88
		62	5310		18.00	17.73
	802.11ac80-VHT0	58	5290	MCS0	18.50	17.93

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	18.50	17.82
		116	5580		18.50	17.93
		120	5600		18.50	17.76
		140	5700		18.00	17.82
	802.11n20-HT0	100	5500	MCS0	18.00	17.81
		116	5580		18.00	17.89
		120	5600		18.00	17.83
		140	5700		18.00	17.87
		144	5720		18.00	17.87
	802.11ac20-VHT0	100	5500	MCS0	18.00	17.88
		116	5580		18.00	17.87
		120	5600		18.00	17.80
		140	5700		18.00	17.76
		144	5720		18.00	17.79
	802.11n40-HT0	102	5510	MCS0	18.00	17.79
		110	5550		18.00	17.93
		118	5590		18.00	17.87
		134	5670		18.00	17.86
	802.11ac40-VHT0	102	5510	MCS0	18.00	17.86
		110	5550		18.00	17.93
		118	5590		18.00	17.85
		134	5670		18.00	17.94
		142	5710		18.00	17.92
	802.11ac80-VHT0	106	5530	MCS0	18.50	17.96
		122	5610		18.50	17.94
		138	5690		18.50	17.95

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Aux Antenna						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	18.00	17.77
		157	5785		18.00	17.78
		165	5825		18.00	17.81
	802.11n20-HT0	149	5745	MCS0	18.00	17.86
		157	5785		18.00	17.84
		165	5825		18.00	17.79
	802.11ac20-VHT0	149	5745	MCS0	18.00	17.88
		157	5785		18.00	17.81
		165	5825		18.00	17.80
	802.11n40-HT0	151	5755	MCS0	18.00	17.78
		159	5795		18.00	17.93
	802.11ac40-VHT0	151	5755	MCS0	18.00	17.82
		159	5795		18.00	17.83
	802.11ac80-VHT0	155	5775	MCS0	18.00	17.96

Bluetooth conducted power table:

Main	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
Mode			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	12.50	11.88	9.50	9.12	9.50	9.09
	CH 39	2441	12.50	12.27	9.50	8.31	9.50	8.23
	CH 78	2480	12.50	11.55	9.50	7.73	9.50	7.66

Main	Channel	Frequency (MHz)	GFSK	
Mode			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
LE	CH 00	2402	3.5	1.76
	CH 19	2440	2.5	1.69
	CH 39	2480	3.5	3.45

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1.3.1 LTE Downlink CA

LTE Downlink 2CA conducted power table

Full power

Two Component Carrier Maximum Conducted Power															
PCC									SCC				TX Power (dBm)		Configurations
UL						DL		DL				DL CA active	DL CA inactive		
Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Frequency [MHz]	Channel	Frequency [MHz]	Channel	Band	Bandwidth [MHz]	Frequency [MHz]			Channel	
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1959.8	898	23.46	23.56	CA_2C
LTE B2	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1960.2	902	23.32	23.35	CA_2C
LTE B7	15	QPSK	1	74	2507.5	20825	2627.5	2825	LTE B7	5	2636.8	2918	22.83	22.95	CA_7B
LTE B7	20	QPSK	1	99	2560	21350	2680	3350	LTE B7	20	2660.2	3152	22.75	22.92	CA_7C
LTE B7	20	QPSK	1	0	2510	20850	2630	2850	LTE B7	20	2649.8	3048	22.68	22.82	CA_7C
LTE B5	10	QPSK	1	0	844	20600	889	2600	LTE B5	10	879.1	2501	23.44	23.47	CA_5B
LTE B5	10	QPSK	1	25	829	20450	874	2450	LTE B5	10	883.9	2549	23.30	23.46	CA_5B
LTE B41	20	QPSK	1	0	2506	39750	2506	39750	LTE B41	20	2680	41490	22.65	22.83	CA_41C
LTE B41	20	QPSK	1	0	2680	41490	2680	41490	LTE B41	20	2506	39750	22.67	22.80	CA_41C
LTE B5	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B7	20	2655	3100	23.55	23.71	CA_5A-7A
LTE B7	20	QPSK	1	0	2535	21100	2655	3100	LTE B5	10	881.5	2525	22.79	22.98	CA_5A-7A

Reduced power

Two Component Carrier Maximum Conducted Power															
PCC									SCC				TX Power (dBm)		Configurations
UL						DL		DL				DL CA active	DL CA inactive		
Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Frequency [MHz]	Channel	Frequency [MHz]	Channel	Band	Bandwidth [MHz]	Frequency [MHz]			Channel	
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1959.8	898	22.45	22.51	CA_2C
LTE B2	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1960.2	902	22.46	22.49	CA_2C
LTE B7	15	QPSK	36	37	2507.5	20825	2627.5	2825	LTE B7	5	2636.8	2918	21.55	21.72	CA_7B
LTE B7	20	QPSK	1	99	2560	21350	2680	3350	LTE B7	20	2660.2	3152	21.48	21.65	CA_7C
LTE B7	20	QPSK	1	0	2510	20850	2630	2850	LTE B7	20	2649.8	3048	21.66	21.71	CA_7C
LTE B5	10	QPSK	1	0	844	20600	889	2600	LTE B5	10	879.1	2501	23.37	23.47	CA_5B
LTE B5	10	QPSK	1	25	829	20450	874	2450	LTE B5	10	883.9	2549	23.39	23.46	CA_5B
LTE B41	20	QPSK	1	0	2506	39750	2506	39750	LTE B41	20	2680	41490	22.72	22.83	CA_41C
LTE B41	20	QPSK	1	0	2680	41490	2680	41490	LTE B41	20	2506	39750	22.75	22.80	CA_41C
LTE B5	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B7	20	2655	3100	23.60	23.71	CA_5A-7A
LTE B7	20	QPSK	1	0	2535	21100	2655	3100	LTE B5	10	881.5	2525	21.66	21.74	CA_5A-7A

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LTE Downlink 3CA conducted power table

Full power

Three Component Carrier Maximum Conducted Power																					
PCC										SCC 1				SCC 2				TX Power (dBm)		Configurations	
UL										DL				DL				DL CA active	DL CA inactive		
Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Frequency [MHz]	Channel	Frequency [MHz]	Channel	Bandwidth [MHz]	Frequency [MHz]	Channel	Band	Bandwidth [MHz]	Frequency [MHz]	Channel	DL CA active	DL CA inactive				
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1980	1100	LTE B5	10	881.5	2525	23.43	23.56	CA_2A-2A-5A		
LTE B2	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1940	700	LTE B5	10	881.5	2525	23.17	23.35	CA_2A-2A-5A		
LTE B5	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B2	20	1940	700	LTE B2	20	1990	1100	23.66	23.71	CA_2A-2A-5A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1980	1100	LTE B12	10	737.5	5095	23.47	23.56	CA_2A-2A-12A		
LTE B2	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1940	700	LTE B12	10	737.5	5095	23.26	23.35	CA_2A-2A-12A		
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B2	20	1940	700	LTE B2	10	1980	1100	23.87	23.99	CA_2A-2A-12A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1980	1100	LTE B13	10	751	5230	23.46	23.56	CA_2A-2A-13A		
LTE B6	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1940	700	LTE B13	10	751	5230	23.21	23.35	CA_2A-2A-13A		
LTE B13	10	QPSK	1	0	762	23230	751	5230	LTE B2	20	1940	700	LTE B2	10	1980	1100	23.98	23.99	CA_2A-2A-13A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B7	20	2630	2850	LTE B7	20	2680	3350	23.51	23.56	CA_2A-7A-7A		
LTE B7	20	QPSK	1	0	2515	20650	2630	2850	LTE B7	20	2680	2860	LTE B2	20	1980	1100	22.78	22.82	CA_2A-7A-7A		
LTE B7	20	QPSK	1	99	2560	21350	2680	3350	LTE B7	20	2645	3000	LTE B2	20	1980	1100	22.85	22.92	CA_2A-7A-7A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B66	20	2120	66536	LTE B66	20	2170	67036	23.37	23.56	CA_2A-66A-66A		
LTE B66	20	QPSK	1	0	1720	132072	2120	66536	LTE B66	20	2170	67036	LTE B2	20	1990	1100	22.11	22.20	CA_2A-66A-66A		
LTE B66	20	QPSK	1	0	1770	132572	2170	67036	LTE B66	20	2120	66536	LTE B2	20	1980	1100	23.20	23.37	CA_2A-66A-66A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175	LTE B5	10	881.5	2525	23.80	23.86	CA_2A-4A-5A		
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900	LTE B7	20	2655	3100	23.33	23.50	CA_2A-4A-7A		
LTE B7	20	QPSK	1	0	2535	21100	2655	3100	LTE B2	20	1960	900	LTE B4	20	2132.5	2175	22.81	22.98	CA_2A-4A-7A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175	LTE B12	10	737.5	5095	23.39	23.56	CA_2A-4A-12A		
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900	LTE B12	10	737.5	5095	23.35	23.50	CA_2A-4A-12A		
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B2	20	2132.5	2175	LTE B4	20	2132.5	2175	23.52	23.57	CA_2A-4A-12A		
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900	LTE B13	10	751	5230	23.42	23.50	CA_2A-4A-13A		
LTE B13	10	QPSK	1	0	762	23230	751	5230	LTE B2	20	1960	900	LTE B4	20	2132.5	2175	23.51	23.59	CA_2A-4A-13A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B29	10	722.5	8715	LTE B30	10	2355	9820	23.33	23.39	CA_2A-29A-30A		
LTE B29	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B2	20	2105.2	66838	LTE B66	20	2145	66786	23.82	23.99	CA_2A-13A-66A		
LTE B12	10	QPSK	1	0	762	23230	751	5230	LTE B2	20	2105.2	66838	LTE B66	20	2145	66786	23.47	23.56	CA_2A-13A-66A		
LTE B66	20	QPSK	1	0	1745	132322	2145	66786	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B29	10	722.5	8715	LTE B30	10	2355	9820	23.33	23.39	CA_2A-29A-30A		
LTE B29	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B12	10	QPSK	1	0	762	23230	751	5230	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2A-12A-30A		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	2105.2	66838	LTE B30	10	2355	9820	23.33	23.39	CA_2		



Reduced power

Three Component Carrier Maximum Conducted Power																				
PCC					SCC 1					SCC 2					TX Power (dBm)					
UL					DL					DL					DL					
Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Frequency [MHz]	Channel	Frequency [MHz]	Channel	Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Frequency [MHz]	Channel	DL CA active	DL CA inactive	Configurations		
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1980	1100		LTE B5	10	881.5	2525	22.45	22.51	CA_2A2A5A
LTE B2	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1940	700		LTE B5	10	881.5	2525	22.44	22.49	CA_2A2A5A
LTE B5	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B2	20	1940	700		LTE B2	10	1980	1100	23.60	23.61	CA_2A2A5A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1980	1100		LTE B12	10	737.5	5095	22.43	22.51	CA_2A2A12A
LTE B2	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1940	700		LTE B12	10	737.5	5095	22.37	22.49	CA_2A2A12A
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B2	20	1940	700		LTE B2	10	1980	1100	23.92	23.97	CA_2A2A12A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B2	20	1980	1100		LTE B13	10	751	5230	22.41	22.51	CA_2A2A13A
LTE B2	20	QPSK	1	0	1900	19100	1980	1100	LTE B2	20	1940	700		LTE B13	10	751	5230	22.38	22.49	CA_2A2A13A
LTE B13	10	QPSK	1	0	782	23230	751	5230	LTE B2	20	1940	700		LTE B2	10	1980	1100	23.96	23.97	CA_2A2A13A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B7	20	2630	2850		LTE B7	20	2680	3350	22.32	22.51	CA_2A7A7A
LTE B7	20	QPSK	1	0	2510	20850	2630	2850	LTE B7	20	2680	2560		LTE B2	20	1980	1100	21.64	21.71	CA_2A7A7A
LTE B7	20	QPSK	1	99	2560	21350	2680	3350	LTE B7	20	2645	3000		LTE B2	20	1980	1100	21.55	21.65	CA_2A7A7A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B6	20	2120	6638		LTE B6	20	2170	6708	22.40	22.51	CA_2A6A6A
LTE B6	20	QPSK	1	0	1770	132572	2170	67036	LTE B6	20	2120	6638		LTE B6	20	2170	6708	22.38	22.49	CA_2A6A6A
LTE B6	20	QPSK	1	0	1770	132572	2170	67036	LTE B6	20	2120	6638		LTE B2	20	1980	1100	20.31	20.48	CA_2A6A6A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175		LTE B5	10	881.5	2525	22.33	22.51	CA_2A4A5A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900		LTE B5	10	881.5	2525	20.61	20.63	CA_2A4A5A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175		LTE B7	20	2655	3100	22.41	22.51	CA_2A4A7A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900		LTE B7	20	2655	3100	20.45	20.63	CA_2A4A7A
LTE B7	20	QPSK	1	0	2535	21100	2655	3100	LTE B2	20	1960	900		LTE B4	20	2132.5	2175	21.89	21.74	CA_2A4A7A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175		LTE B12	10	737.5	5095	22.53	22.51	CA_2A4A12A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.63	20.63	CA_2A4A12A
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.59	20.63	CA_2A4A12A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.40	20.56	CA_2A4A12A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.40	20.56	CA_2A4A12A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900		LTE B13	10	751	5230	22.48	22.51	CA_2A4A13A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900		LTE B13	10	751	5230	20.56	20.63	CA_2A4A13A
LTE B13	10	QPSK	1	0	782	23230	751	5230	LTE B4	20	2120	2120		LTE B4	20	2300	2145	23.90	23.99	CA_2A4A13A
LTE B4	20	QPSK	1	50	1720	20050	2050	2120	LTE B4	20	2145	2145		LTE B30	10	2355	9820	20.80	20.83	CA_2A4A30A
LTE B4	20	QPSK	100	0	1745	20300	2300	2145	LTE B4	20	2120	2050		LTE B30	10	2355	9820	20.40	20.56	CA_2A4A30A
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B4	20	2120	2050		LTE B4	20	2300	2145	23.50	23.99	CA_2A4A12A
LTE B4	20	QPSK	1	50	1720	20050	2050	2120	LTE B4	20	2145	2300		LTE B4	20	2300	2145	20.56	20.56	CA_2A4A12A
LTE B4	20	QPSK	100	0	1745	20300	2300	2145	LTE B4	20	2120	2120		LTE B13	10	751	5230	20.39	20.56	CA_2A4A13A
LTE B13	10	QPSK	1	0	782	23230	751	5230	LTE B4	20	2120	2120		LTE B4	20	2300	2145	23.90	23.99	CA_2A4A13A
LTE B4	20	QPSK	1	50	1720	20050	2050	2120	LTE B4	20	2145	2145		LTE B30	10	2355	9820	20.80	20.83	CA_2A4A30A
LTE B4	20	QPSK	100	0	1745	20300	2300	2145	LTE B4	20	2120	2120		LTE B30	10	2355	9820	20.40	20.56	CA_2A4A30A
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B7	20	2630	2850		LTE B7	20	2680	3350	22.47	22.51	CA_2A7A7A
LTE B7	20	QPSK	1	0	2510	20850	2630	2850	LTE B7	20	2680	2560		LTE B4	20	2132.5	2175	21.58	21.71	CA_2A7A7A
LTE B7	20	QPSK	1	99	2560	21350	2680	3350	LTE B7	20	2645	3000		LTE B4	20	2132.5	2175	21.59	21.65	CA_2A7A7A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B7	20	2655	3100		LTE B12	10	737.5	5095	20.46	20.63	CA_2A7A12A
LTE B7	20	QPSK	1	0	2535	21100	2655	3100	LTE B4	20	2132.5	2175		LTE B12	10	737.5	5095	21.81	21.74	CA_2A7A12A
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B4	20	2132.5	2175		LTE B12	10	737.5	5095	21.81	21.99	CA_2A7A12A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B5	10	881.5	2525		LTE B30	10	2355	9820	20.58	20.63	CA_2A7A30A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B5	10	881.5	2525		LTE B30	10	2355	9820	20.58	20.63	CA_2A7A30A
LTE B5	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B4	20	2132.5	2175		LTE B30	10	2355	9820	20.59	23.71	CA_4A5A30A
LTE B5	10	QPSK	1	25	836.5	20525	881.5	2525	LTE B4	20	2132.5	2175		LTE B30	10	2355	9820	20.53	20.63	CA_4A5A30A
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B4	20	2132.5	2175		LTE B30	10	2355	9820	20.58	23.99	CA_4A12A30A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B30	10	2355	9820		LTE B30	10	2355	9820	20.53	20.63	CA_4A12
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B6	20	2120	6638		LTE B6	20	2170	6708	22.40	22.51	CA_2A6A6A
LTE B6	20	QPSK	1	0	1770	132572	2170	67036	LTE B6	20	2120	6638		LTE B6	20	2170	6708	22.38	22.49	CA_2A6A6A
LTE B6	20	QPSK	1	0	1770	132572	2170	67036	LTE B6	20	2120	6638		LTE B2	20	1980	1100	20.31	20.48	CA_2A6A6A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175		LTE B5	10	881.5	2525	22.33	22.51	CA_2A4A5A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900		LTE B5	10	881.5	2525	20.61	20.63	CA_2A4A5A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175		LTE B7	20	2655	3100	22.41	22.51	CA_2A4A7A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B2	20	1960	900		LTE B7	20	2655	3100	20.45	20.63	CA_2A4A7A
LTE B7	20	QPSK	1	0	2535	21100	2655	3100	LTE B2	20	1960	900		LTE B4	20	2132.5	2175	21.89	21.74	CA_2A4A7A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2132.5	2175		LTE B12	10	737.5	5095	22.53	22.51	CA_2A4A12A
LTE B4	20	QPSK	1	50	1720	20050	2132.5	2175	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.63	20.63	CA_2A4A12A
LTE B12	10	QPSK	1	49	704	23060	734	5060	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.59	20.63	CA_2A4A12A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.40	20.56	CA_2A4A12A
LTE B2	20	QPSK	1	0	1860	18700	1940	700	LTE B4	20	2145	2300		LTE B12	10	737.5	5095	20.40		

A) LTE downlink CA information

The device supports a maximum of 3 carriers in the downlink. Other Release 10 features or higher features are not supported, including Enhanced SC-FDMA and Uplink MIMO or other antenna diversity configurations etc. All uplink communications are identical to the Release 8 Specifications.

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.521-1 V16.0.0. The conducted power measurement results of downlink LTE CA are provided as above per 3GPP TS 36.521-1 V16.0.0. According to KDB 941225 D05A and RF exposure procedures in TCB workshop April 2018, the downlink LTE CA SAR test is not required.

B) Downlink CA combination table

Index	2CC	Restriction	Completely Covered by Measurement Superset	Index	3CC	Restriction	Completely Covered by Measurement Superset
2CC #1	CA 2A-2A		3CC #1	3CC #1	CA 2A-2A-5A		No
2CC #2	CA 2C		No	3CC #2	CA 2A-2A-12A		No
2CC #3	CA 2A-4A		3CC #8	3CC #3	CA 2A-2A-13A		No
2CC #4	CA 2A-7A		3CC #4	3CC #4	CA 2A-7A-7A		No
2CC #5	CA 2A-12A		3CC #2	3CC #5	CA 2A-66A-66A		No
2CC #6	CA 2A-13A		3CC #3	3CC #6	CA 2A-66B		No
2CC #7	CA 2A-29A	B29 SCC only	3CC #15	3CC #7	CA 2A-66C		No
2CC #8	CA 2A-30A	B30 SCC only	3CC #15	3CC #8	CA 2A-4A-5A		No
2CC #9	CA 2A-66A		3CC #5	3CC #9	CA 2A-4A-7A		No
2CC #10	CA 4A-4A		3CC #16	3CC #10	CA 2A-4A-12A		No
2CC #11	CA 4A-5A		3CC #16	3CC #11	CA 2A-4A-13A		No
2CC #12	CA 4A-7A		3CC #20	3CC #12	CA 2A-4A-29A	B29 SCC only	No
2CC #13	CA 4A-12A		3CC #10	3CC #13	CA 2A-12A-30A	B30 SCC only	No
2CC #14	CA 4A-13A		3CC #11	3CC #14	CA 2A-13A-66A		No
2CC #15	CA 4A-29A	B29 SCC only	3CC #24	3CC #15	CA 2A-29A-30A	B29&B30 SCC only	No
2CC #16	CA 4A-30A	B30 SCC only	3CC #24	3CC #16	CA 4A-4A-5A		No
2CC #17	CA 5A-30A	B30 SCC only	3CC #27	3CC #17	CA 4A-4A-12A		No
2CC #18	CA 5A-66A		3CC #27	3CC #18	CA 4A-4A-13A		No
2CC #19	CA 7B		No	3CC #19	CA 4A-4A-30A	B30 SCC only	No
2CC #20	CA 7C		No	3CC #20	CA 4A-7A-7A		No
2CC #21	CA 7A-12A		3CC #22	3CC #21	CA 4A-5A-30A	B30 SCC only	No
2CC #22	CA 12A-30A	B30 SCC only	3CC #23	3CC #22	CA 4A-7A-12A		No
2CC #23	CA 12A-66A		3CC #28	3CC #23	CA 4A-12A-30A	B30 SCC only	No
2CC #24	CA 13A-66A		3CC #29	3CC #24	CA 4A-29A-30A	B29&B30 SCC only	No
2CC #26	CA 66B		3CC #31	3CC #25	CA 5A-66C		No
2CC #27	CA 66C		3CC #32	3CC #26	CA 5A-66A-66A		No
2CC #28	CA 29A-30A		3CC #33	3CC #27	CA 5A-30A-66A	B30 SCC only	No
2CC #29	CA 29A-66A		3CC #33	3CC #28	CA 12A-30A-66A	B30 SCC only	No
2CC #30	CA 30A-66A		3CC #33	3CC #29	CA 13A-66A-66A		No
2CC #31	CA 5B		No	3CC #30	CA 41D		No
2CC #32	CA 7A-7A		3CC #4	3CC #31	CA 66A-66B		No
2CC #33	CA 41C		No	3CC #32	CA 66A-66C		No
2CC #34	CA 2A-5A		3CC #35	3CC #33	CA 29A-30A-66A	B29&B30 SCC only	No
2CC #35	CA 5A-7A		No	3CC #34	CA 13A-66C		No
				3CC #35	CA 2A-5A-30A	B30 SCC only	No
				3CC #36	CA 2A-5A-66A		No
				3CC #37	CA 2A-7A-12A		No
				3CC #38	CA 5A-66B		No
				3CC #39	CA 13A-66B		No

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Note:

- 1) For the inter-band CA combinations, all the listed bands above can be used as PCC or SCC.
- 2) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.521-1 V16.0.0.
- 3) The reference test frequencies for CA refers to 3GPP TS 36.508 V16.1.0
- 4) Testing is not required in bands or modes not intended/allowed for US operation
- 5) Based on TCB workshop April 2018, only indicate “No” in CA combination table need power measurement

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1.3.2 LTE uplink CA

LTE uplink 2CA conducted power table

Full power

CA 7C													
Combination 100RB + 100RB (20MHz + 20MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	20	QPSK	2529.8	21048	1	99	0	22.78
20	QPSK	2560	21350	1	99	20	QPSK	2540.2	21152	1	0	0	22.89

CA 7C													
Combination 75RB + 100RB (15MHz + 20MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	15	QPSK	2527.1	21021	1	74	0	22.76
20	QPSK	2560	21350	1	99	15	QPSK	2542.9	21179	1	74	0	22.85

CA 7C													
Combination 75RB + 75RB (15MHz + 15MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	15	QPSK	2522.5	20975	1	0	0	22.87
15	QPSK	2562.5	21375	1	0	15	QPSK	2547.5	21225	1	74	0	22.86

CA 7C													
Combination 75RB + 50RB (15MHz + 10MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	10	QPSK	2519.5	20945	1	49	0	22.85

CA 7C													
Combination 50RB + 100RB (10MHz + 20MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	10	QPSK	2524.4	20994	1	49	0	22.77

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CA 41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	20	QPSK	2525.8	39948	1	99	0	22.79	23.00
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	99	0	22.75	23.00

CA 41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	15	QPSK	2523.1	39921	1	74	0	22.75	23.00
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	74	0	22.78	23.00

CA 41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	15	QPSK	2518.5	39875	1	74	0	22.76	23.00
15	QPSK	2682.5	41515	1	0	15	QPSK	2667.5	41365	1	74	0	22.74	23.00

CA 41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	10	QPSK	2520.4	39894	1	49	0	22.74	23.00
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	49	0	22.73	23.00

CA 41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	10	QPSK	2515.5	39845	1	49	0	22.69	23.00
15	QPSK	2682.5	41515	1	0	10	QPSK	2670.5	41395	1	49	0	22.71	23.00

CA 41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	5	QPSK	2517.7	39867	1	24	0	22.72	23.00

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Reduced power

CA 7C													
Combination 100RB + 100RB (20MHz + 20MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	20	QPSK	2529.8	21048	1	99	0	21.56
20	QPSK	2560	21350	1	99	20	QPSK	2540.2	21152	1	0	0	21.30

CA 7C													
Combination 75RB + 100RB (15MHz + 20MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	15	QPSK	2527.1	21021	1	74	0	21.54
20	QPSK	2560	21350	1	99	15	QPSK	2542.9	21179	1	74	0	21.52

CA 7C													
Combination 75RB + 75RB (15MHz + 15MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	15	QPSK	2522.5	20975	1	0	0	21.53
15	QPSK	2562.5	21375	1	0	15	QPSK	2547.5	21225	1	74	0	21.40

CA 7C													
Combination 75RB + 50RB (15MHz + 10MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	10	QPSK	2519.5	20945	1	49	0	21.52

CA 7C													
Combination 50RB + 100RB (10MHz + 20MHz)													
PCC						SCC						UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	10	QPSK	2524.4	20994	1	49	0	21.51

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LTE uplink CA information

The device supports LTE intra-band contiguous 2 UL CA for CA_7C and CA_41C. According to 2017-11 TCB workshop, the maximum output power is measured for each UL CA configuration for the required test channels described in KDB 941225 D05. UL PCC configuration is determined by the required test channel. SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band. SAR for UL CA is required in highest standalone body test position and frequency band combination. Since the maximum output for UL CA is \leq standalone LTE mode (without CA), PCC is configured according to the highest standalone SAR configuration tested, SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC. Since the reported SAR for UL CA configuration, described above, is $< 1.2 \text{ W/Kg}$, UL CA SAR is not required for all required test channels (PCC based). UL CA SAR is also required for standalone SAR configurations $> 1.2 \text{ W/Kg}$ when they are scaled to the UL CA power level.

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1.4 Test Environment

Ambient Temperature: $22 \pm 2^{\circ} \text{C}$
Tissue Simulating Liquid: $22 \pm 2^{\circ} \text{C}$

1.5 Operation Description

For WWAN, the EUT is controlled by using a Radio Communication Tester, and the communication between the EUT and the tester is established by air link.

For WLAN, using chipset specific software to control the EUT, and makes it transmit in maximum power. The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.

For WWAN, the device used the proximity sensor collocated with WWAN Main antenna to reduce maximum output power when it is near the user.

For WLAN, there is no any power reduction exists.

WCDMA B II/IV / LTE B2/4/7/66

Back/top_0mm with reduced power

Back_14mm / top_16mm / edges_0mm with full power

WCDMA B V / LTE B5/12/13/14/26/41/48 / WLAN

Back/edges_0mm with full power

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Note:

1. During the SAR testing, the DASY 5 system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
2. The 3G SAR test reduction procedure is applied to HSDPA with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSDPA) is $\leq \frac{1}{4}$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSDPA).
3. The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA) is $\leq \frac{1}{4}$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA).
4. LTE modes test according to **KDB 941225D05v02r05**.
 - a. Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.
 - Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
 - When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.
 - b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation

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- The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.

c. Per Section 5.2.3, the largest channel bandwidth and measure SAR for QPSK with 100% RB allocation

- For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.

- Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

d. Per Section 5.2.4, Higher order modulations

- For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

e. Per Section 5.3, other channel bandwidth standalone SAR test requirements

- For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 5.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth.

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- TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.

LTE downlink CA (KDB942225 D05A)

5. The device supports a maximum of 2 carriers in the downlink. All uplink communications are identical to the Release 8 specifications. Uplink maximum output power is measured with downlink carrier aggregation active, only for the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
6. The downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements. The nominal channel spacing is determined by $[BW1 + BW2 - 0.1 \cdot |BW1 - BW2|] / 2$ MHz, where BW1 and BW2 are the channel bandwidths of the CC in a 2-CC aggregation configuration.
7. The downlink PCC channel should be paired with the uplink channel according to normal configurations, as if there is no carrier aggregation. The downlink SCC should be adjacent to the PCC and remain within the downlink transmission band for contiguous intra-band CA. For non-contiguous intra-band CA, the SCC should be selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band. For inter-band CA, the SCC should be near the middle of its transmission band.

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8. When downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than $\frac{1}{4}$ dB higher than the maximum output power measured when downlink carrier aggregation inactive, so SAR evaluation is not required for downlink carrier aggregation.
9. According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is ≤ 0.8 W/kg, when the transmission band is ≤ 100 MHz.
10. According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is ≥ 0.8 W/kg, repeated that measurement once. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit)
11. 802.11b DSSS SAR Test Requirements: SAR is measured for 2.4 GHz 802.11b DSSS mode using the highest measured maximum output power channel, when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
12. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.
13. 802.11g/n OFDM SAR Test Exclusion Requirements: SAR is not required for 802.11g/n since the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
14. Initial Test Configuration: An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data

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rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band.

15. SAR is measured using the highest measured maximum output power channel. When the reported SAR of the initial test configuration is $> 0.8 \text{ W/kg}$, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is $\leq 1.2 \text{ W/kg}$ or all required channels are tested.
16. Since the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is $\leq 1.2 \text{ W/kg}$, SAR is not required for subsequent test configuration.
17. BT and WLAN Main use the same antenna path, but they can't transmit at the same time.
18. Based on KDB447498D01v06 4.3.1 c), SAR test exclusion threshold for NFC (13.56MHz) shall be evaluated as below,
 - a) For *test separation distances* $\leq 50 \text{ mm}$, the power threshold determined by the equation in 4.3.1 c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$
 - b) The power threshold at 50mm/100 MHz in 4.3.1 b) is multiplied by $[1 + \log(100/f(\text{MHz}))]$ where f is 13.56MHz
 - c) The power threshold in 4.3.1 b) is $[\text{Power allowed at numeric threshold for } 50 \text{ mm in } 4.3.1 \text{ a)}] + [(f(\text{MHz})/150)] \text{ mW}$, for 100 MHz to 1500 MHz where test separation distance is 50mm, frequency is 100MHz.
 - d) Power allowed at numeric threshold for 50 mm in 4.3.1 a) is $[3/\sqrt{f(\text{GHz})}] \cdot (\text{test separation distance})$

Hence, SAR test exclusion threshold is calculated in reverse sequence:

$$d) : [3/\sqrt{0.1}] \cdot 50 = 474.3416 \text{ mW}$$

$$c) : 474.3416 + (50-50) \cdot (100/150) = 474.3416 \text{ mW}$$

$$b) : 474.3416 \cdot [1 + \log(100/13.56)] = 885.9470 \text{ mW}$$

$$a) : 885.9470 \cdot 0.5 = 442.974 \text{ mW}$$

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So the SAR test exclusion power threshold for NFC(13.56MHz) is 442.974mW (equal to 26.464dBm).

Also, the maximum power of NFC is -50.67dBm (converted from 44.558 dBuV/m at 3m) and it is far below the exclusion threshold (26.464dBm), so SAR test for NFC can be excluded.

19. Based on KDB447498D01v06 4.3.2 b), when an antenna qualifies for the standalone SAR test exclusion of 4.3.1 and also transmits simultaneously with other antennas, the standalone SAR value must be estimated according to the following to determine the simultaneous transmission SAR test exclusion criteria:

1) $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})/x}] \text{ W/kg}$, for test separation distances ≤ 50 mm, where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR.

Using the most conservative test separation distance 5mm, so the estimated 1g-SAR for NFC would be 0.00000003 W/Kg.

$[0.0000085704/5] \cdot [\sqrt{0.01356/7.5}] = 0.00000003 \text{ W/Kg}$

20. The antenna and sensor are collocated and the peak SAR location is overlapping with the sensor/antenna, so section 6.3 requirement is not required based on section 6.3 of 616217 D04.

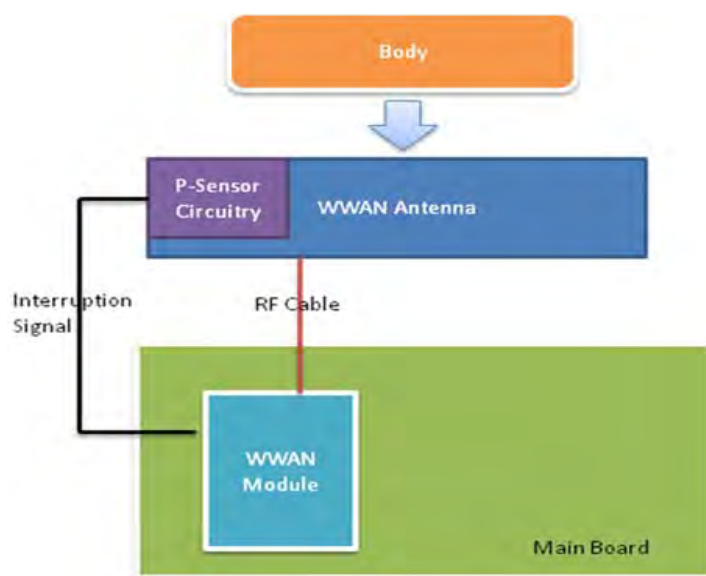
21. WWAN Main, WLAN Aux, WLAN Main/BT: TX/RX. WWAN Aux: RX only.

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1.6 Proximity sensor operation description

The P-sensor being used to reduce output power is capacitive in which when the object such as human body, metal or plastic is being approached, the sensing capacitance would be increased with the antenna pad. Once the capacitance is accumulated, and reached over the threshold as set in MCU of the microchip, the interruption signal is pulled low (High state without trigger) and further inform modem module of the transmitter to make power reduction.

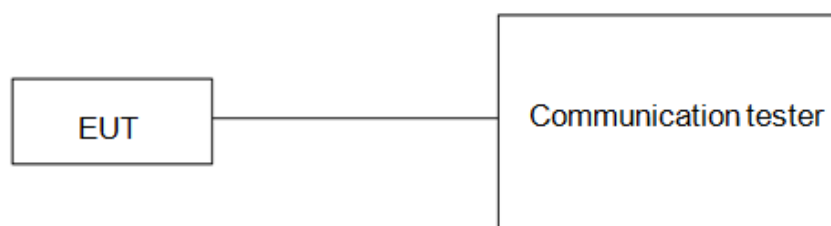


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1.6.1 Proximity sensor measurement procedure

1. The proximity sensor is collocated with WWAN antenna.
2. Output power is measured, and monitored by using the communication tester. A RF cables with sufficient length was being attached from the antenna port of the module, and used for the measurement. The appropriate loss attenuated from cable is compensated in the communication tester.



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1.6.2 Trigger distances for back/top side

Test procedure:

1. The entire back surface or edge of the tablet is positioned below a flat phantom filled with the required tissue equivalent medium and positioned at least 20 mm further than the distance that triggers power reduction.
2. The back surface or edge is moved toward the phantom in 3 mm steps until the sensor triggers.
3. The back surface or edge is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom
4. If the tablet is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.
5. The back surface or edge is then moved back (further away) from the phantom until maximum output power is returned to the normal maximum level.
6. The process is then reversed by moving the tablet away from the phantom to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.
7. The measured output power within ± 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom should be tabulated.

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8. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.
9. For back side, the trigger distance of proximity sensor is 15mm.
10. For top side, the trigger distance of proximity sensor is 18mm, and we perform the 1.6.3 tilt angle testing in next step.

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1.6.3 Tilt angle testing

Test procedure:

1. The influence of table tilt angles to proximity sensor triggering is determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance determined in sections 1.6.2 by rotating the tablet around the edge next to the phantom in ≤ 10 deg increments until the tablet is ± 45 deg or more from the vertical position at 0 deg.
2. If sensor triggering is released and normal maximum output power is restored within the ± 45 deg range, the procedures in step 1) should be repeated by reducing the tablet to phantom separation distance by 1 mm until the proximity sensor no longer releases triggering, and maximum output power remains in the reduced mode.
3. The smallest separation distance determined in steps 1) and 2), minus 1 mm, is the sensor triggering distance for tablet tilt coverage. The smallest separation distance determined in sections 1.6.2, 1.6.3 minus 1 mm should be used in the SAR measurements.
4. The influence of tablet tilt angles to proximity sensor triggering is determined by positioning top and right sides, please refer to table 1.6.5 and 1.6.6.
5. After the tilt angle testing for top side, the sensor is not released during ± 45 deg at 17mm, so $17-1=16$ mm should be used in the SAR measurements.

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1.6.4 Proximity sensor coverage

The following procedures do not apply and are not required for configurations where the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

Test procedure:

1. The back surface or edges of the tablet is positioned at a test separation distance less than or equal to the distance required for back surface or edge triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset.
2. The similar sequence of steps applied to determine sensor triggering distance in section 1.6.2 are used to verify back surface and edge sensor coverage by moving the tablet (sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the back surface or edge and the phantom.
3. After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the tablet movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.
4. The process is then repeated from the other direction, at the opposite end of maximum antenna and sensor offset, by rotating the tablet 180 degrees.

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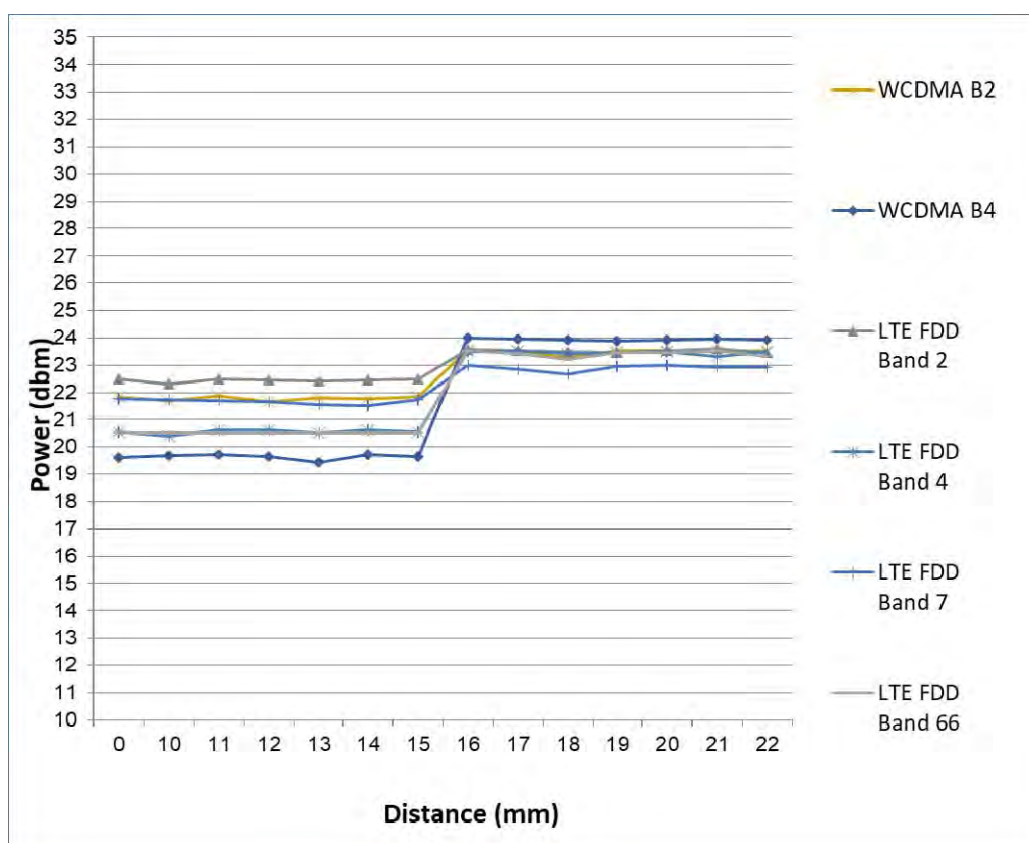
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1.6.5 Results

The measured output power within ± 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom is tabulated in the following.

Back side

Moving device toward the phantom

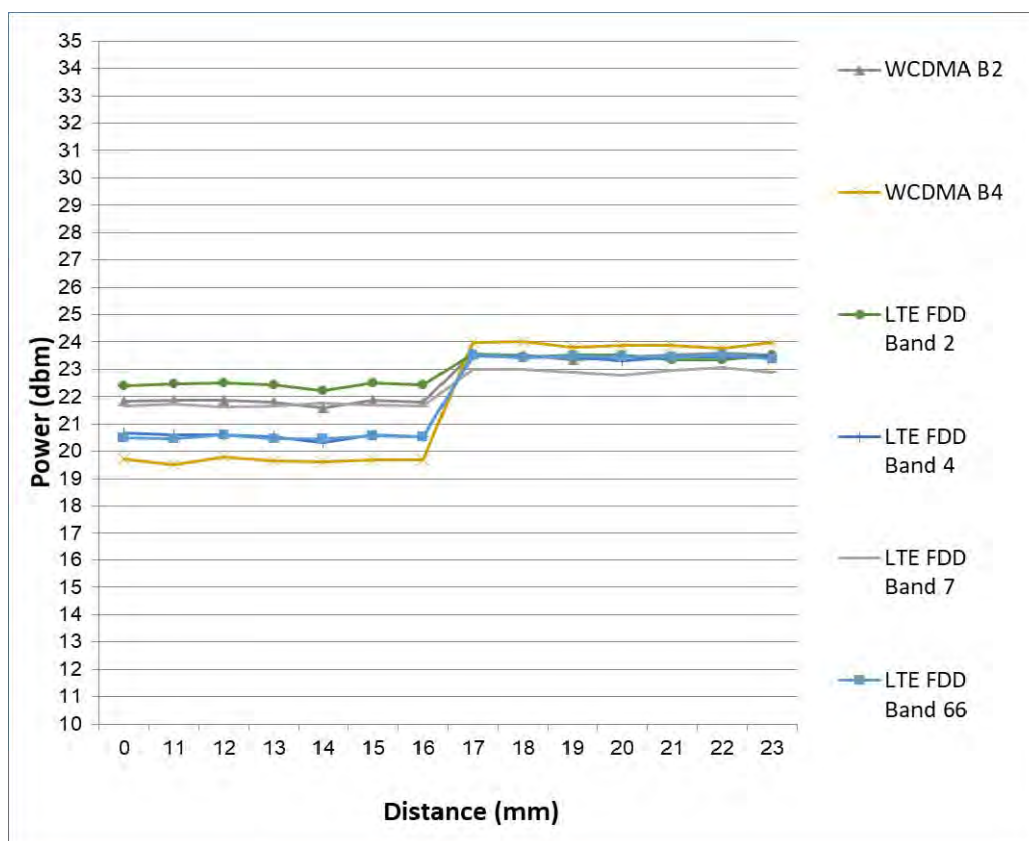


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Moving device away from the phantom



For back side, the worst trigger distance of proximity sensor is 15mm, and we test backside SAR in 14mm with full power and 0mm with reduced power.

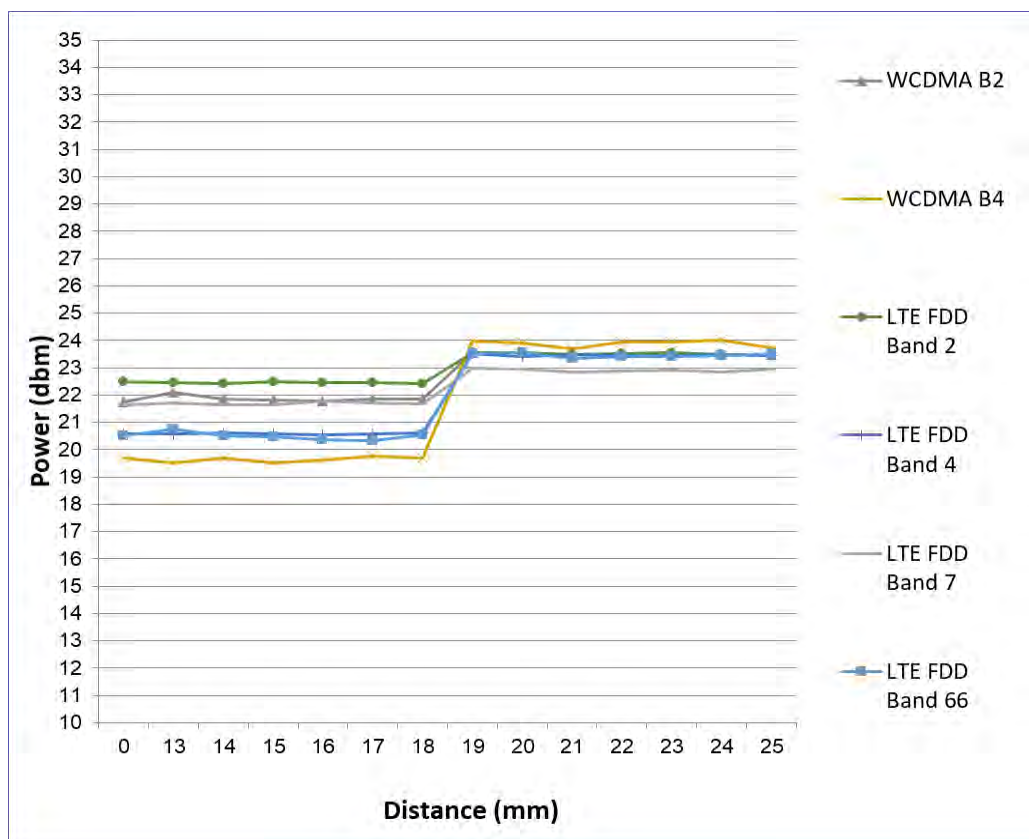
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Top side

Moving device toward the phantom



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Moving device away from the phantom

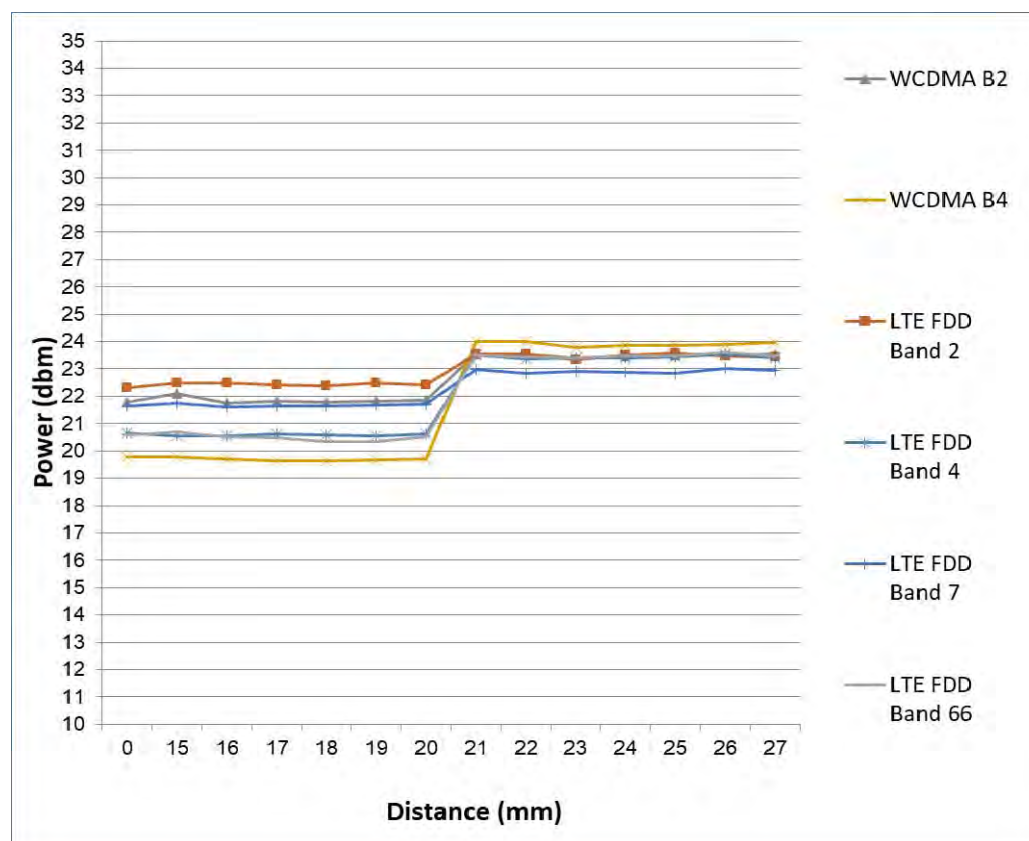


Table 1.6.5 Tilt angle test results for top side

P-sensor ON/OFF	-50 deg	-45 deg	-40 deg	-30 deg	-20 deg	-10 deg	0 deg	10 deg	20 deg	30 deg	40 deg	45 deg	50 deg
17mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
18mm	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON

During the tilt angle testing for top side, the sensor is not released in 17mm, so 17-1=16mm should be used in the SAR measurements for top side.

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Note:

1. The triggering variations and hysteresis effect has been evaluated separately according to the tissue-equivalent medium required for each frequency band, and sensor triggering does not change with different tissue-equivalent media.
2. The default power level for sensor failure and malfunctioning, including all compliance concerns, has been addressed in the client's operation description (1.6.6) for the proximity sensor implementation to be acceptable.
3. Conducted power is monitored qualitatively to identify the general triggering characteristics and recorded quantitatively, versus spacing.

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1.6.6 Operation description for P-sensor

Power Reduction Design Specification (for P-sensor)

The mechanism of power reduction is used only for WWAN, not for Wi-Fi and Bluetooth. The reduced power for each technology/band is defined in Table1-1. With P-sensor mechanism, please refer to WCDMA/LTE reduced power table in section 1.3 to be the WCDMA/LTE default power when P-sensor failure or malfunction.

Table1-1 : The power reduction scenario table

Band	Power Reduction
WCDMA B2/4	YES
LTE B2/4/7/66	YES
WCDMA B5	NO
LTE B5/12/13/14/26/41/48	NO
WLAN	NO
BT	NO

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1.7 The SAR Measurement System

A block diagram of the SAR measurement System is given in Fig. a. This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY 5 professional system). The model EX3DV4 field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E|^2) / \rho$ where σ and ρ are the conductivity and mass density of the tissue-simulant.

The DASY 5 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Staubli RX family) with controller, teach pendant and software. An arm extension is for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

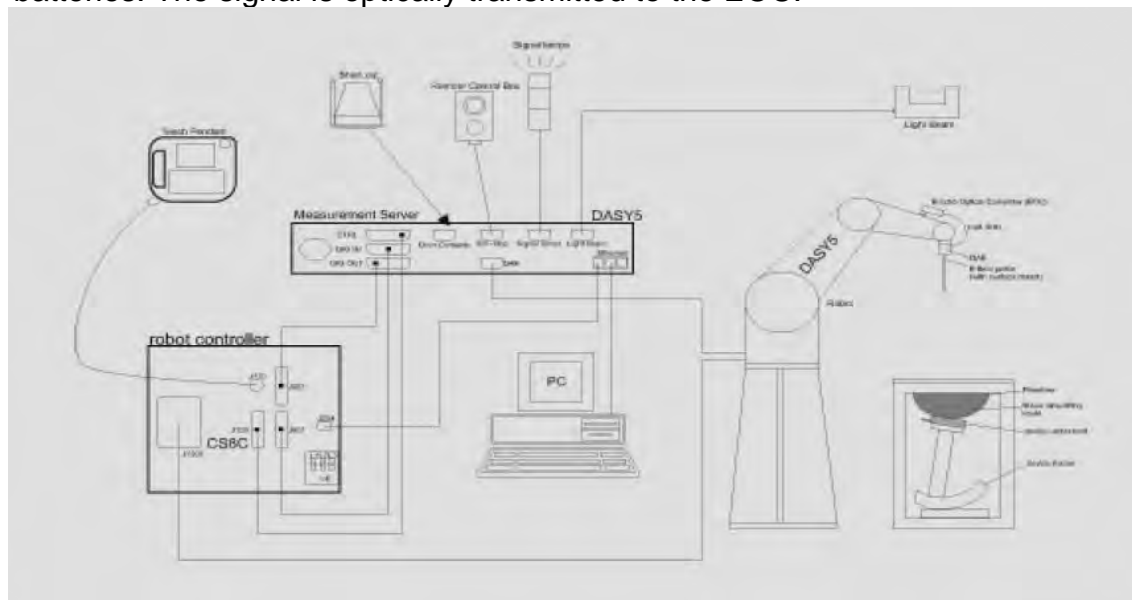


Fig. a The block diagram of SAR system

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4. The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.
5. The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
6. A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
7. A computer operating Windows 7.
8. DASY 5 software.
9. Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
10. The SAM twin phantom enabling testing left-hand and right-hand usage.
11. The device holder for handheld mobile phones.
12. Tissue simulating liquid mixed according to the given recipes.
13. Validation dipole kits allowing to validate the proper functioning of the system.

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1.8 System Components


EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 750/835/1750/1900/2450/2600/3500/3700/ 5200/5300/5600/5800MHz Additional CF for other liquids and frequencies upon request	
Frequency	10 MHz to > 6 GHz	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Tip diameter: 2.5 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	


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PHANTOM

Model	ELI	
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Shell Thickness	2 ± 0.2 mm	
Filling Volume	Approx. 30 liters	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	

DEVICE HOLDER

Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	
		Device Holder

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1.9 SAR System Verification

The microwave circuit arrangement for system verification is sketched in Fig. b. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within $\pm 10\%$ from the target SAR values. These tests were done at 750/835/1750/1900/2450/2600/3500/3700/5200/5300/5600/5800MHz. The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed in the table 1 (SAR values are normalized to 1W forward power delivered to the dipole). During the tests, the liquid depth above the ear reference points was $\geq 15 \text{ cm} \pm 5 \text{ mm}$ (frequency $\leq 3 \text{ GHz}$) or $\geq 10 \text{ cm} \pm 5 \text{ mm}$ (frequency $> 3 \text{ GHz}$) in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.

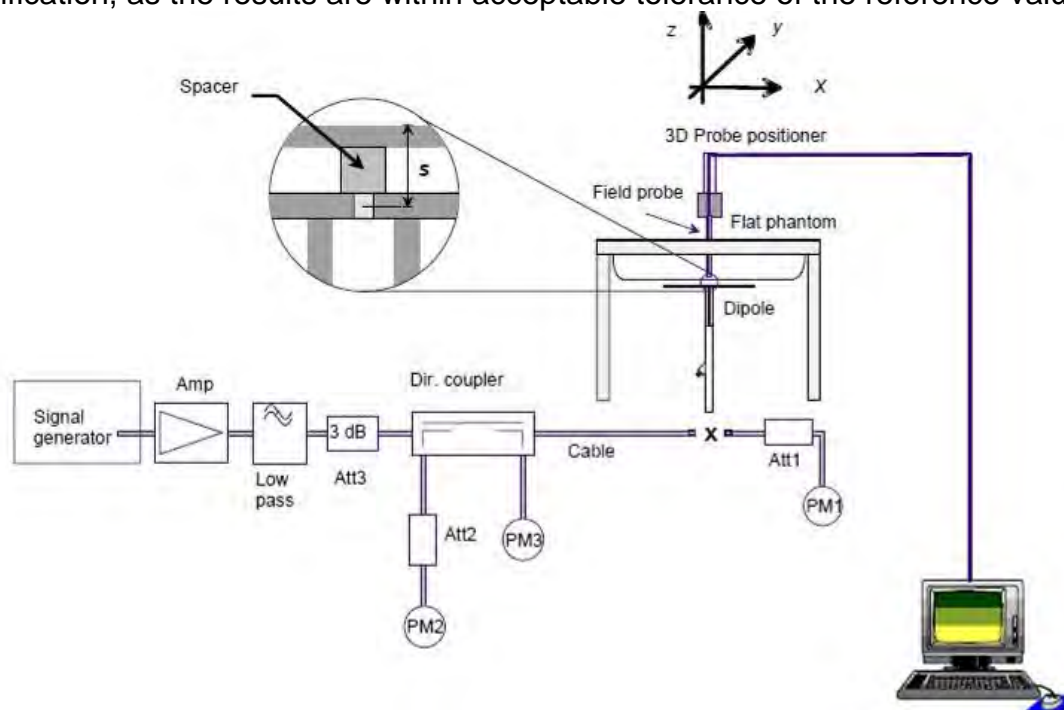


Fig. b The block diagram of system verification

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Validation Kit	S/N	Frequency (MHz)		1W Target SAR-1g (mW/g)	pin=250mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D750V3	1015	750	Head	8.60	2.15	8.60	0.00%	Dec. 27, 2019
D835V2	4d063	835	Head	9.57	2.47	9.88	3.24%	Dec. 28, 2019
D1750V2	1008	1750	Head	36.80	9.16	36.64	-0.43%	Dec. 29, 2019
D1900V2	5d173	1900	Head	40.20	9.99	39.96	-0.60%	Dec. 30, 2019
D2450V2	727	2450	Head	53.00	13.60	54.40	2.64%	Dec. 31, 2019
D2600V2	1005	2600	Head	55.30	14.90	59.60	7.78%	Jan. 01, 2020
Validation Kit	S/N	Frequency (MHz)		1W Target SAR-1g (mW/g)	Pin=100mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D3500V2	1009	3500	Head	66.8	6.43	64.30	-3.74%	Mar, 12, 2020
D3700V2	1057	3700	Head	68.0	6.68	66.80	-1.76%	Mar, 12, 2020
D5GHzV2	1023	5200	Head	79.2	7.89	78.90	-0.38%	Jan. 03, 2020
		5300	Head	82.6	8.26	82.60	0.00%	Jan. 04, 2020
		5600	Head	85.7	8.54	85.40	-0.35%	Jan. 05, 2020
		5800	Head	80.4	8.03	80.30	-0.12%	Jan. 06, 2020

Table 1. Results of system verification

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1.10 Tissue Simulant Fluid for the Frequency Band

The dielectric properties for this Head-simulant fluid were measured by using the Agilent Model 85070E Dielectric Probe (rates frequency band 200 MHz to 20 GHz) in conjunction with Network Analyzer.

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within $\pm 5\%$ of the target values.

Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	% dev ϵ_r	% dev σ
Head	2019/12/27	704	42.181	0.890	43.020	0.885	1.99%	-0.54%
		707.5	42.162	0.890	43.010	0.886	2.01%	-0.46%
		709	42.155	0.890	43.009	0.887	2.03%	-0.36%
		710	42.149	0.890	43.000	0.888	2.02%	-0.25%
		711	42.144	0.890	42.997	0.889	2.02%	-0.15%
		750	41.942	0.893	42.789	0.890	2.02%	-0.38%
		782	41.775	0.896	42.590	0.891	1.95%	-0.54%
		793	41.718	0.897	42.561	0.892	2.02%	-0.56%
	2019/12/28	822.5	41.565	0.899	42.193	0.893	1.51%	-0.67%
		826.4	41.545	0.899	42.189	0.895	1.55%	-0.48%
		829	41.531	0.900	42.146	0.896	1.48%	-0.39%
		831.5	41.518	0.900	42.141	0.898	1.50%	-0.19%
		835	41.500	0.900	42.139	0.899	1.54%	-0.11%
		836.5	41.500	0.902	42.131	0.900	1.52%	-0.18%
		836.6	41.500	0.902	42.123	0.901	1.50%	-0.08%
		841.5	41.500	0.907	42.110	0.902	1.47%	-0.55%
	2019/12/29	844	41.500	0.910	42.106	0.903	1.46%	-0.74%
		846.6	41.500	0.912	42.101	0.904	1.45%	-0.93%
		1712.4	40.138	1.349	41.466	1.327	3.31%	-1.65%
		1720	40.126	1.354	41.204	1.331	2.69%	-1.68%
		1732.4	40.107	1.361	41.192	1.339	2.71%	-1.61%
		1732.5	40.107	1.361	41.189	1.340	2.70%	-1.54%
		1745	40.087	1.368	41.184	1.346	2.74%	-1.62%
		1750	40.079	1.371	41.154	1.350	2.68%	-1.54%
		1752.6	40.075	1.373	41.150	1.351	2.68%	-1.57%
		1770	40.447	1.383	41.137	1.361	1.71%	-1.59%

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Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	% dev ϵ_r	% dev σ
Head	2019/12/30	1852.4	40.000	1.400	41.131	1.370	2.83%	-2.14%
		1860	40.000	1.400	41.121	1.371	2.80%	-2.07%
		1880	40.000	1.400	41.109	1.372	2.77%	-2.00%
		1882.5	40.000	1.400	41.101	1.373	2.75%	-1.93%
		1900	40.000	1.400	41.097	1.375	2.74%	-1.79%
		1905	40.000	1.400	41.089	1.376	2.72%	-1.71%
		1907.6	40.000	1.400	41.085	1.378	2.71%	-1.57%
	2019/12/31	2310	39.449	1.676	40.869	1.638	3.60%	-2.24%
		2402	39.285	1.757	40.701	1.717	3.60%	-2.30%
		2412	39.268	1.766	40.680	1.725	3.60%	-2.33%
		2437	39.223	1.788	40.640	1.747	3.61%	-2.32%
		2441	39.216	1.792	40.619	1.750	3.58%	-2.34%
		2450	39.200	1.800	40.615	1.759	3.61%	-2.28%
		2462	39.185	1.813	40.583	1.772	3.57%	-2.27%
	2020/1/1	2480	39.162	1.827	40.576	1.786	3.61%	-2.23%
		2506	39.129	1.861	40.223	1.807	2.80%	-2.91%
		2510	39.124	1.865	40.207	1.810	2.77%	-2.97%
		2535	39.092	1.893	40.202	1.838	2.84%	-2.89%
		2549.5	39.073	1.909	40.175	1.854	2.82%	-2.86%
		2560	39.060	1.920	40.161	1.864	2.82%	-2.92%
		2580	39.035	1.942	40.134	1.886	2.82%	-2.87%
		2593	39.018	1.956	40.111	1.899	2.80%	-2.91%
		2595	39.015	1.958	40.109	1.901	2.80%	-2.92%
		2600	39.009	1.964	40.107	1.906	2.81%	-2.94%
	2020/3/12	2610	38.996	1.975	40.088	1.918	2.80%	-2.86%
		2636.5	38.963	2.003	40.038	1.946	2.76%	-2.87%
		2680	38.907	2.051	40.001	1.991	2.81%	-2.92%
		3500	37.929	2.913	39.153	2.849	3.23%	-2.18%
		3560	37.860	2.974	39.019	2.917	3.06%	-1.92%
		3603.3	37.811	3.018	38.836	2.968	2.71%	-1.67%
	2020/1/3	3646.7	37.761	3.063	38.752	3.029	2.62%	-1.11%
		3690	37.711	3.107	38.608	3.078	2.38%	-0.94%
		3700	37.700	3.118	38.586	3.090	2.35%	-0.88%
		5200	35.986	4.655	36.364	4.486	1.05%	-3.63%
		5210	35.974	4.665	36.323	4.497	0.97%	-3.61%
		5290	35.883	4.747	36.238	4.578	0.99%	-3.57%
	2020/1/4	5300	35.871	4.758	36.234	4.584	1.01%	-3.65%
		5530	35.609	4.993	35.950	4.813	0.96%	-3.61%
		5600	35.529	5.065	35.898	4.882	1.04%	-3.61%
		5610	35.517	5.075	35.879	4.894	1.02%	-3.57%
	2020/1/5	5690	35.426	5.157	35.769	4.971	0.97%	-3.61%
		5745	35.363	5.214	35.719	5.026	1.01%	-3.60%
		5755	35.351	5.224	35.709	5.036	1.01%	-3.60%
		5775	35.329	5.244	35.684	5.057	1.01%	-3.57%
		5785	35.317	5.255	35.682	5.064	1.03%	-3.63%
		5795	35.306	5.265	35.653	5.076	0.98%	-3.59%
		5800	35.300	5.270	35.645	5.080	0.98%	-3.61%
	2020/1/6	5825	35.271	5.296	35.617	5.105	0.98%	-3.60%

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Table 2. Dielectric Parameters of Tissue Simulant Fluid

The composition of the body tissue simulating liquid:

Frequency (MHz)	Mode	Ingredient						Total amount
		DGMBE	Water	Salt	Preventol D-7	Cellulose	Sugar	
750	Head	—	532.98 g	18.3 g	2.4 g	3.2 g	766 g	1.3L(Kg)
850	Head	—	532.98 g	18.3 g	2.4 g	3.2 g	766 g	1.3L(Kg)
1750	Head	444.52 g	552.42 g	3.06 g	—	—	—	1.0L(Kg)
1900	Head	444.52 g	552.42 g	3.06 g	—	—	—	1.0L(Kg)
2450	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
2600	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
3500	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
3700	Head	550ml	450ml	—	—	—	—	1.0L(Kg)

Simulating Liquids for 5 GHz, Manufactured by SPEAG:

Ingredients	Water	Esters, Emulsifiers, Inhibitors	Sodium and Salt
(% by weight)	60-80	20-40	0-1.5

Table 3. Recipes for Tissue Simulating Liquid

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1.11 Evaluation Procedures

The entire evaluation of the spatial peak values is performed within the Post-processing engine (SEMCAD). The system always gives the maximum values for the 1 g and 10 g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

1. The extraction of the measured data (grid and values) from the Zoom Scan.
2. The calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
3. The generation of a high-resolution mesh within the measured volume
4. The interpolation of all measured values from the measurement grid to the high-resolution grid
5. The extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
6. The calculation of the averaged SAR within masses of 1g and 10g.

The probe is calibrated at the center of the dipole sensors that is located 1 to 2.7mm away from the probe tip. During measurements, the probe stops shortly above the phantom surface, depending on the probe and the surface detecting system. Both distances are included as parameters in the probe configuration file. The software always knows exactly how far away the measured point is from the surface. As the probe cannot directly measure at the surface, the values between the deepest measured point and the surface must be extrapolated. The angle between the probe axis and the surface normal line is less than 30 degree.

In the Area Scan, the gradient of the interpolation function is evaluated to find all the extreme of the SAR distribution. The uncertainty on the locations of the extreme is less than 1/20 of the grid size. Only local maximum within -2 dB of the global maximum are searched and passed for the Cube Scan measurement. In the Cube Scan, the interpolation function is used to extrapolate the Peak SAR from the lowest measurement points to the inner phantom surface (the extrapolation distance). The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5mm.

The maximum search is automatically performed after each area scan measurement. It is based on splines in two or three dimensions. The procedure can find the maximum for most SAR distributions even with relatively large grid spacing. After the area scanning measurement, the probe is automatically moved to a position at the interpolated maximum. The following scan can directly use this position for reference, e.g., for a finer resolution grid or the cube evaluations. The 1g and 10g peak evaluations are only available for the predefined cube 7x7x7 scans. The routines are verified and optimized for the grid dimensions used in

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these cube measurements.

The measured volume of 30x30x30mm contains about 30g of tissue.

The first procedure is an extrapolation (incl. Boundary correction) to get the points between the lowest measured plane and the surface. The next step uses 3D interpolation to get all points within the measured volume. In the last step, a 1g cube is placed numerically into the volume and its averaged SAR is calculated. This cube is moved around until the highest averaged SAR is found. If the highest SAR is found at the edge of the measured volume, the system will issue a warning: higher SAR values might be found outside of the measured volume. In that case the cube measurement can be repeated, using the new interpolated maximum as the center.

1.12 Probe Calibration Procedures

For the calibration of E-field probes in lossy liquids, an electric field with an accurately known field strength must be produced within the measured liquid. For standardization purposes it would be desirable if all measurements which are necessary to assess the correct field strength would be traceable to standardized measurement procedures. In the following two different calibration techniques are summarized:

1.12.1 Transfer Calibration with Temperature Probes

In lossy liquids the specific absorption rate (SAR) is related both to the electric field (E) and the temperature gradient ($\delta T / \delta t$) in the liquid.

$$SAR = \frac{\sigma}{\rho} |E|^2 = c \frac{\delta T}{\delta t}$$

whereby σ is the conductivity, ρ the density and c the heat capacity of the liquid.

Hence, the electric field in lossy liquid can be measured indirectly by measuring the temperature gradient in the liquid. Non-disturbing temperature probes (optical probes or thermistor probes with resistive lines) with high spatial resolution (<1-2 mm) and fast reaction time (<1 s) are available and can be easily calibrated with high precision [1]. The setup and the exciting source have no influence on the calibration; only the relative positioning uncertainties of the standard temperature probe and the E-field probe to be calibrated must be considered. However, several problems limit the available accuracy of probe calibrations with temperature probes:

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1. The temperature gradient is not directly measurable but must be evaluated from temperature measurements at different time steps. Special precaution is necessary to avoid measurement errors caused by temperature gradients due to energy equalizing effects or convection currents in the liquid. Such effects cannot be completely avoided, as the measured field itself destroys the thermal equilibrium in the liquid. With a careful setup these errors can be kept small.
2. The measured volume around the temperature probe is not well defined. It is difficult to calculate the energy transfer from a surrounding gradient temperature field into the probe. These effects must be considered, since temperature probes are calibrated in liquid with homogeneous temperatures. There is no traceable standard for temperature rise measurements.
3. The calibration depends on the assessment of the specific density, the heat capacity and the conductivity of the medium. While the specific density and heat capacity can be measured accurately with standardized procedures ($\sim 2\%$ for c ; much better for ρ), there is no standard for the measurement of the conductivity. Depending on the method and liquid, the error can well exceed $\pm 5\%$.
4. Temperature rise measurements are not very sensitive and therefore are often performed at a higher power level than the E-field measurements. The nonlinearities in the system (e.g., power measurements, different components, etc.) must be considered.

Considering these problems, the possible accuracy of the calibration of E-field probes with temperature gradient measurements in a carefully designed setup is about $\pm 10\%$ (RSS) [2]. Recently, a setup which is a combination of the waveguide techniques and the thermal measurements was presented in [3]. The estimated uncertainty of the setup is $\pm 5\%$ (RSS) when the same liquid is used for the calibration and for actual measurements and $\pm 7-9\%$ (RSS) when not, which is in good agreement with the estimates given in [2].

1.12.2 Calibration with Analytical Fields

In this method a technical setup is used in which the field can be calculated analytically from measurements of other physical magnitudes (e.g., input power). This corresponds to the standard field method for probe calibration in air; however, there is no standard defined for fields in lossy liquids.

When using calculated fields in lossy liquids for probe calibration, several points must be considered in the assessment of the uncertainty:

1. The setup must enable accurate determination of the incident power.

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2. The accuracy of the calculated field strength will depend on the assessment of the dielectric parameters of the liquid.
3. Due to the small wavelength in liquids with high permittivity, even small setups might be above the resonant cutoff frequencies. The field distribution in the setup must be carefully checked for conformity with the theoretical field distribution.

References

1. N. Kuster, Q. Balzano, and J.C. Lin, Eds., *Mobile Communications Safety*, Chapman & Hall, London, 1997.
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3. K. Jokela, P. Hyysalo, and L. Puranen, "Calibration of specific absorption rate (SAR) probes in waveguide at 900 MHz", *IEEE Transactions on Instrumentation and Measurements*, vol. 47, no. 2, pp. 432-438, Apr. 1998.

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1.13 Test Standards and Limits

According to FCC 47CFR §2.1093(d) The limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (“SAR”) in Section 4.2 of “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz,” ANSI/IEEE C95.1, By the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in “Biological Effects and Exposure Criteria for Radio frequency Electromagnetic Fields,” NCRP Report No. 86, Section 17.4.5. Copyright NCRP, 1986, Bethesda, Maryland 20814. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards. The criteria to be used are specified in paragraphs (d)(1) and (d)(2) of this section and shall apply for portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz are to be evaluated in terms of the MPE limits specified in § 1.1310 of this chapter. Measurements and calculations to demonstrate compliance with MPE field strength or power density limits for devices operating above 6 GHz should be made at a minimum distance of 5 cm from the radiating source.

1. Limits for Occupational/Controlled exposure: 0.4 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 8 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 20 W/kg, as averaged over an 10 grams of tissue (defined as a tissue volume in the shape of a cube).
2. Occupational/Controlled limits apply when persons are exposed as a consequence of their employment provided these persons are fully aware of and exercise control over their exposure. Awareness of exposure can be accomplished by use of warning labels or by specific training or education through appropriate means, such as an RF safety program in a work environment.
3. Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape

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of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure. Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section. (Table 4.)

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR (Brain)	1.60 W/Kg	8.00 W/Kg
Spatial Average SAR (Whole Body)	0.08 W/Kg	0.40 W/Kg
Spatial Peak SAR (Hands/Feet/Ankle/Wrist)	4.00 W/Kg	20.00 W/Kg

Table 4. RF exposure limits

Notes:

1. Uncontrolled environments are defined as locations where there is potential exposure of individuals who have no knowledge or control of their potential exposure.
2. Controlled environments are defined as locations where there is potential exposure of individuals who have knowledge of their potential exposure and can exercise control over their exposure.

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2. Summary of Results

2.1 Decision rules

Reported measurement data comply with IEEE 1528-2013:

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.2 Summary of Results

WCDMA Band II (without power reduction)

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
								Measured	Reported	
WCDMA Band II	Back side	14	9538	1907.6	24.00	23.56	110.66%	0.168	0.186	-
	Top side	16	9262	1852.4	24.00	23.53	111.43%	0.343	0.382	-
	Top side	16	9400	1880	24.00	23.55	110.92%	0.356	0.395	-
	Top side	16	9538	1907.6	24.00	23.56	110.66%	0.366	0.405	237
	Bottom side	0	9538	1907.6	24.00	23.56	110.66%	0.016	0.018	-
	Right side	0	9538	1907.6	24.00	23.56	110.66%	0.134	0.148	-
	Left side	0	9538	1907.6	24.00	23.56	110.66%	0.057	0.063	-

WCDMA Band II (with power reduction)

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
								Measured	Reported	
WCDMA Band II	Back side	0	9538	1907.6	22.00	21.89	102.57%	0.385	0.395	-
	Top side	0	9262	1852.4	22.00	21.78	105.20%	0.729	0.767	-
	Top side	0	9400	1880	22.00	21.67	107.89%	0.751	0.810	-
	Top side	0	9538	1907.6	22.00	21.89	102.57%	0.810	0.831	238
	Top side*	0	9538	1907.6	22.00	21.89	102.57%	0.805	0.826	-

* - repeated at the highest SAR measurement according to the KDB 865664 D01.

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WCDMA Band IV (without power reduction)

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
								Measured	Reported	
WCDMA Band IV	Back side	14	1412	1732.4	24.00	23.99	100.23%	0.230	0.231	-
	Top side	16	1312	1712.4	24.00	23.94	101.39%	0.501	0.508	-
	Top side	16	1412	1732.4	24.00	23.99	100.23%	0.509	0.510	239
	Top side	16	1513	1752.6	24.00	23.97	100.69%	0.498	0.501	-
	Bottom side	0	1412	1732.4	24.00	23.99	100.23%	0.008	0.008	-
	Right side	0	1412	1732.4	24.00	23.99	100.23%	0.117	0.117	-
	Left side	0	1412	1732.4	24.00	23.99	100.23%	0.015	0.015	-

WCDMA Band IV (with power reduction)

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
								Measured	Reported	
WCDMA Band IV	Back side	0	1412	1732.4	20.00	19.73	106.41%	0.270	0.287	-
	Top side	0	1312	1712.4	20.00	19.72	106.66%	0.736	0.785	240
	Top side	0	1412	1732.4	20.00	19.73	106.41%	0.721	0.767	-
	Top side	0	1513	1752.6	20.00	19.65	108.39%	0.667	0.723	-

WCDMA Band V (without power reduction)

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
								Measured	Reported	
WCDMA Band V	Back side	0	4183	836.6	24.00	23.99	100.23%	0.704	0.706	-
	Top side	0	4132	826.4	24.00	23.83	103.99%	0.683	0.710	-
	Top side	0	4183	836.6	24.00	23.99	100.23%	0.714	0.716	241
	Top side	0	4233	846.6	24.00	23.90	102.33%	0.689	0.705	-
	Bottom side	0	4183	836.6	24.00	23.99	100.23%	0.005	0.005	-
	Right side	0	4183	836.6	24.00	23.99	100.23%	0.041	0.041	-
	Left side	0	4183	836.6	24.00	23.99	100.23%	0.016	0.016	-

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LTE FDD Band 2 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1 RB	0	Back side	14	18700	1860	24.00	23.56	110.66%	0.166	0.184	-
					Top side	16	18700	1860	24.00	23.56	110.66%	0.322	0.356	242
					Top side	16	18900	1880	24.00	23.46	113.24%	0.304	0.344	-
					Top side	16	19100	1900	24.00	23.35	116.14%	0.301	0.350	-
					Bottom side	0	18700	1860	24.00	23.56	110.66%	0.014	0.015	-
					Right side	0	18700	1860	24.00	23.56	110.66%	0.118	0.131	-
					Left side	0	18700	1860	24.00	23.56	110.66%	0.062	0.069	-
			50 RB	50	Back side	14	18700	1860	23.00	22.57	110.41%	0.144	0.159	-
					Top side	16	18700	1860	23.00	22.57	110.41%	0.273	0.301	-
					Bottom side	0	18700	1860	23.00	22.57	110.41%	0.011	0.012	-
					Right side	0	18700	1860	23.00	22.57	110.41%	0.101	0.112	-
			100 RB		Left side	0	18700	1860	23.00	22.57	110.41%	0.051	0.056	-
					Back side	14	18700	1860	23.00	22.46	113.24%	0.141	0.160	-
					Top side	16	18700	1860	23.00	22.46	113.24%	0.264	0.299	-
					Bottom side	0	18700	1860	23.00	22.46	113.24%	0.010	0.011	-
					Right side	0	18700	1860	23.00	22.46	113.24%	0.098	0.111	-
					Left side	0	18700	1860	23.00	22.46	113.24%	0.049	0.055	-

LTE FDD Band 2 (with power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1 RB	0	Back side	0	18700	1860	23.00	22.51	111.94%	0.436	0.488	-
					Top side	0	18700	1860	23.00	22.51	111.94%	0.778	0.871	-
					Top side	0	18900	1880	23.00	22.48	112.72%	0.739	0.833	-
					Top side	0	19100	1900	23.00	22.49	112.46%	0.829	0.932	243
					Top side*	0	19100	1900	23.00	22.49	112.46%	0.825	0.928	-
			50 RB	0	Back side	0	19100	1900	23.00	22.44	113.76%	0.421	0.479	-
					Top side	0	19100	1900	23.00	22.44	113.76%	0.763	0.868	-
			100 RB		Back side	0	19100	1900	23.00	22.42	114.29%	0.419	0.479	-
					Top side	0	19100	1900	23.00	22.42	114.29%	0.764	0.873	-

* - repeated at the highest SAR measurement according to the KDB 865664 D01.

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LTE FDD Band 4 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 4	20MHz	QPSK	1 RB	50	Back side	14	20050	1720	24.00	23.50	112.20%	0.273	0.306	-
					Top side	16	20050	1720	24.00	23.50	112.20%	0.478	0.536	244
					Top side	16	20300	1745	24.00	22.32	147.23%	0.453	0.667	-
					Bottom side	0	20050	1720	24.00	23.50	112.20%	0.021	0.024	-
					Right side	0	20050	1720	24.00	23.50	112.20%	0.166	0.186	-
					Left side	0	20050	1720	24.00	23.50	112.20%	0.095	0.107	-
			50 RB	0	Top side	16	20175	1732.5	24.00	23.37	115.61%	0.456	0.527	-
					Back side	14	20175	1732.5	23.00	22.25	118.85%	0.233	0.277	-
					Top side	16	20175	1732.5	23.00	22.25	118.85%	0.415	0.493	-
					Bottom side	0	20175	1732.5	23.00	22.25	118.85%	0.018	0.021	-
					Right side	0	20175	1732.5	23.00	22.25	118.85%	0.136	0.162	-
					Left side	0	20175	1732.5	23.00	22.25	118.85%	0.081	0.096	-
			100 RB	0	Back side	14	20050	1720	23.00	22.21	119.95%	0.221	0.265	-
					Top side	16	20050	1720	23.00	22.21	119.95%	0.404	0.485	-
					Bottom side	0	20050	1720	23.00	22.21	119.95%	0.017	0.020	-
					Right side	0	20050	1720	23.00	22.21	119.95%	0.122	0.146	-
					Left side	0	20050	1720	23.00	22.21	119.95%	0.077	0.092	-

LTE FDD Band 4 (with power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 4	20MHz	QPSK	1 RB	50	Back side	0	20050	1720	21.00	20.63	108.89%	0.327	0.356	-
					Top side	0	20050	1720	21.00	20.63	108.89%	0.798	0.869	245
					Top side	0	20300	1745	21.00	20.50	112.20%	0.734	0.824	-
			50 RB	0	Top side	0	20175	1732.5	21.00	20.53	111.43%	0.745	0.830	-
					Back side	0	20175	1732.5	21.00	20.59	109.90%	0.315	0.346	-
					Top side	0	20175	1732.5	21.00	20.59	109.90%	0.731	0.803	-
			100 RB	0	Back side	0	20175	1732.5	21.00	20.58	110.15%	0.311	0.343	-
					Top side	0	20175	1732.5	21.00	20.58	110.15%	0.726	0.800	-

LTE FDD Band 5 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 5	10MHz	QPSK	1 RB	25	Top side	0	20600	844	24.00	23.47	112.98%	0.621	0.702	-
					Back side	0	20525	836.5	24.00	23.71	106.91%	0.646	0.691	-
					Top side	0	20450	829	24.00	23.46	113.24%	0.622	0.704	-
					Top side	0	20525	836.5	24.00	23.71	106.91%	0.665	0.711	246
					Bottom side	0	20525	836.5	24.00	23.71	106.91%	0.008	0.008	-
					Right side	0	20525	836.5	24.00	23.71	106.91%	0.063	0.068	-
					Left side	0	20525	836.5	24.00	23.71	106.91%	0.035	0.037	-
					Back side	0	20600	844	23.00	22.92	101.86%	0.533	0.543	-
					Top side	0	20600	844	23.00	22.92	101.86%	0.551	0.561	-
			25 RB	12	Bottom side	0	20600	844	23.00	22.92	101.86%	0.007	0.008	-
					Right side	0	20600	844	23.00	22.92	101.86%	0.053	0.054	-
					Left side	0	20600	844	23.00	22.92	101.86%	0.029	0.030	-
					Back side	0	20525	836.5	23.00	23.00	100.00%	0.526	0.526	-
			50 RB	0	Top side	0	20525	836.5	23.00	23.00	100.00%	0.545	0.545	-
					Bottom side	0	20525	836.5	23.00	23.00	100.00%	0.007	0.007	-
					Right side	0	20525	836.5	23.00	23.00	100.00%	0.052	0.052	-
					Left side	0	20525	836.5	23.00	23.00	100.00%	0.027	0.027	-

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LTE FDD Band 7 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 7	20MHz	QPSK	1 RB	0	Back side	14	21100	2535	23.00	22.98	100.46%	0.119	0.120	-
					Top side	16	20850	2510	23.00	22.82	104.23%	0.303	0.316	-
					Top side	16	21100	2535	23.00	22.98	100.46%	0.321	0.322	247
					Bottom side	0	21100	2535	23.00	22.98	100.46%	0.004	0.004	-
					Right side	0	21100	2535	23.00	22.98	100.46%	0.034	0.034	-
					Left side	0	21100	2535	23.00	22.98	100.46%	0.040	0.040	-
			50 RB	25	Top side	16	21350	2560	23.00	22.92	101.86%	0.309	0.315	-
					Back side	14	21350	2560	22.00	21.95	101.16%	0.095	0.096	-
					Top side	16	21350	2560	22.00	21.95	101.16%	0.244	0.247	-
					Bottom side	0	21350	2560	22.00	21.95	101.16%	0.003	0.003	-
					Right side	0	21350	2560	22.00	21.95	101.16%	0.026	0.026	-
					Left side	0	21350	2560	22.00	21.95	101.16%	0.031	0.031	-
			100 RB		Back side	14	20850	2510	22.00	21.88	102.80%	0.093	0.096	-
					Top side	16	20850	2510	22.00	21.88	102.80%	0.232	0.238	-
					Bottom side	0	20850	2510	22.00	21.88	102.80%	0.003	0.003	-
					Right side	0	20850	2510	22.00	21.88	102.80%	0.024	0.025	-
					Left side	0	20850	2510	22.00	21.88	102.80%	0.031	0.032	-
ULCA _7C	20MHz	QPSK	1 RB	99	Top side	16	21350	2560	23.00	22.89	102.57%	0.306	0.314	-

LTE FDD Band 7 (with power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 7	20MHz	QPSK	1 RB	0	Back side	0	21100	2535	22.00	21.74	106.17%	0.329	0.349	-
					Top side	0	20850	2510	22.00	21.71	106.91%	0.863	0.923	-
					Top side	0	21100	2535	22.00	21.74	106.17%	0.941	0.999	248
					Top side*	0	21100	2535	22.00	21.74	106.17%	0.920	0.977	-
			99		Top side	0	21350	2560	22.00	21.65	108.39%	0.843	0.914	-
					Back side	0	21100	2535	22.00	21.68	107.65%	0.311	0.335	-
			50 RB	25	Top side	0	20850	2510	22.00	21.68	107.65%	0.839	0.903	-
					Back side	0	20850	2510	22.00	21.60	109.65%	0.305	0.334	-
			100 RB		Top side	0	21350	2560	22.00	21.60	109.65%	0.825	0.905	-
					Back side	0	21350	2560	22.00	21.60	109.65%	0.825	0.905	-
ULCA _7C	20MHz	QPSK	1 RB	0	Top side	0	20850	2510	22.00	21.56	110.66%	0.814	0.901	-

* - repeated at the highest SAR measurement according to the KDB 865664 D01.

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LTE FDD Band 12 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 12	10MHz	QPSK	1 RB	0	Top side	0	23130	711	24.00	23.81	104.47%	0.432	0.451	-
					Back side	0	23060	704	24.00	23.99	100.23%	0.408	0.409	-
					Top side	0	23060	704	24.00	23.99	100.23%	0.458	0.459	249
				49	Top side	0	23095	707.5	24.00	23.87	103.04%	0.440	0.453	-
					Top side	0	23130	711	24.00	23.81	104.47%	0.441	0.461	-
					Bottom side	0	23060	704	24.00	23.99	100.23%	0.006	0.006	-
					Right side	0	23060	704	24.00	23.99	100.23%	0.044	0.044	-
					Left side	0	23060	704	24.00	23.99	100.23%	0.024	0.024	-
					Back side	0	23130	711	23.00	22.97	100.69%	0.315	0.317	-
			25 RB	0	Top side	0	23130	711	23.00	22.97	100.69%	0.354	0.356	-
					Bottom side	0	23130	711	23.00	22.97	100.69%	0.005	0.005	-
					Right side	0	23130	711	23.00	22.97	100.69%	0.034	0.034	-
					Left side	0	23130	711	23.00	22.97	100.69%	0.018	0.018	-
				50 RB	Back side	0	23060	704	23.00	22.90	102.33%	0.303	0.310	-
					Top side	0	23060	704	23.00	22.90	102.33%	0.349	0.357	-
					Bottom side	0	23060	704	23.00	22.90	102.33%	0.005	0.005	-
					Right side	0	23060	704	23.00	22.90	102.33%	0.031	0.032	-
					Left side	0	23060	704	23.00	22.90	102.33%	0.017	0.017	-

LTE FDD Band 13 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 13	10MHz	QPSK	1 RB	0	Back side	0	23230	782	24.00	23.99	100.23%	0.461	0.462	-
					Top side	0	23230	782	24.00	23.99	100.23%	0.488	0.489	250
					Bottom side	0	23230	782	24.00	23.99	100.23%	0.007	0.007	-
				25	Right side	0	23230	782	24.00	23.99	100.23%	0.046	0.046	-
					Left side	0	23230	782	24.00	23.99	100.23%	0.026	0.026	-
					Top side	0	23230	782	24.00	23.36	115.88%	0.411	0.476	-
				49	Top side	0	23230	782	24.00	23.96	100.93%	0.472	0.476	-
					Back side	0	23230	782	23.00	22.92	101.86%	0.357	0.364	-
					Top side	0	23230	782	23.00	22.92	101.86%	0.377	0.384	-
			25 RB	0	Bottom side	0	23230	782	23.00	22.92	101.86%	0.006	0.006	-
					Right side	0	23230	782	23.00	22.92	101.86%	0.036	0.037	-
					Left side	0	23230	782	23.00	22.92	101.86%	0.021	0.021	-
					Back side	0	23230	782	23.00	22.84	103.75%	0.343	0.356	-
					Top side	0	23230	782	23.00	22.84	103.75%	0.362	0.376	-
					Bottom side	0	23230	782	23.00	22.84	103.75%	0.006	0.006	-
			50 RB	0	Right side	0	23230	782	23.00	22.84	103.75%	0.033	0.034	-
					Left side	0	23230	782	23.00	22.84	103.75%	0.019	0.020	-

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LTE FDD Band 14 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 14	10MHz	QPSK	1 RB	0	Back side	0	23330	793	24.00	23.76	105.68%	0.431	0.455	-
					Top side	0	23330	793	24.00	23.76	105.68%	0.464	0.490	251
					Bottom side	0	23330	793	24.00	23.76	105.68%	0.009	0.009	-
					Right side	0	23330	793	24.00	23.76	105.68%	0.044	0.046	-
					Left side	0	23330	793	24.00	23.76	105.68%	0.042	0.044	-
			25 RB	25	Back side	0	23330	793	23.00	22.96	100.93%	0.362	0.365	-
					Top side	0	23330	793	23.00	22.96	100.93%	0.388	0.392	-
					Bottom side	0	23330	793	23.00	22.96	100.93%	0.007	0.007	-
					Right side	0	23330	793	23.00	22.96	100.93%	0.036	0.036	-
					Left side	0	23330	793	23.00	22.96	100.93%	0.035	0.035	-
			50 RB		Back side	0	23330	793	23.00	22.94	101.39%	0.354	0.359	-
					Top side	0	23330	793	23.00	22.94	101.39%	0.381	0.386	-
					Bottom side	0	23330	793	23.00	22.94	101.39%	0.007	0.007	-
					Right side	0	23330	793	23.00	22.94	101.39%	0.035	0.035	-
					Left side	0	23330	793	23.00	22.94	101.39%	0.032	0.032	-

LTE FDD Band 26 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 26	15MHz	QPSK	1 RB	0	Back side	0	26965	841.5	24.00	23.56	110.66%	0.655	0.725	-
					Top side	0	26965	841.5	24.00	23.56	110.66%	0.664	0.735	252
					Bottom side	0	26965	841.5	24.00	23.56	110.66%	0.008	0.009	-
					Right side	0	26965	841.5	24.00	23.56	110.66%	0.063	0.070	-
					Left side	0	26965	841.5	24.00	23.56	110.66%	0.035	0.039	-
			36	36	Top side	0	26825	822.5	24.00	23.52	111.69%	0.651	0.727	-
					Top side	0	26865	821.5	24.00	23.51	111.94%	0.649	0.727	-
					Back side	0	26825	822.5	23.00	22.98	100.46%	0.539	0.541	-
					Top side	0	26825	822.5	23.00	22.98	100.46%	0.546	0.549	-
					Bottom side	0	26825	822.5	23.00	22.98	100.46%	0.008	0.008	-
			36 RB	37	Right side	0	26825	822.5	23.00	22.98	100.46%	0.052	0.052	-
					Left side	0	26825	822.5	23.00	22.98	100.46%	0.029	0.029	-
					Back side	0	26765	821.5	23.00	23.00	100.00%	0.514	0.514	-
					Top side	0	26765	821.5	23.00	23.00	100.00%	0.520	0.520	-
					Bottom side	0	26765	821.5	23.00	23.00	100.00%	0.007	0.007	-
					Right side	0	26765	821.5	23.00	23.00	100.00%	0.050	0.050	-
					Left side	0	26765	821.5	23.00	23.00	100.00%	0.028	0.028	-

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LTE TDD Band 41 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page	
												Measured	Reported		
LTE Band 41	20MHz	QPSK	1 RB	0	Top side	0	39750	2506	23.00	22.83	103.99%	0.471	0.490	-	
					Top side	0	40185	2549.5	23.00	22.91	102.09%	0.463	0.473	-	
					Top side	0	41490	2680	23.00	22.80	104.71%	0.455	0.476	-	
				99	Top side	0	41055	2636.5	23.00	22.89	102.57%	0.469	0.481	-	
					Back side	0	40620	2593	23.00	22.99	100.23%	0.133	0.133	-	
					Top side	0	40620	2593	23.00	22.99	100.23%	0.490	0.491	253	
					Bottom side	0	40620	2593	23.00	22.99	100.23%	0.005	0.005	-	
					Right side	0	40620	2593	23.00	22.99	100.23%	0.018	0.018	-	
					Left side	0	40620	2593	23.00	22.99	100.23%	0.001	0.001	-	
			50 RB	0	Back side	0	40185	2549.5	22.00	21.98	100.46%	0.127	0.128	-	
					Top side	0	40185	2549.5	22.00	21.98	100.46%	0.467	0.469	-	
					Bottom side	0	40185	2549.5	22.00	21.98	100.46%	0.004	0.004	-	
				100 RB	0	Right side	0	40185	2549.5	22.00	21.98	100.46%	0.017	0.017	-
						Left side	0	40185	2549.5	22.00	21.98	100.46%	0.001	0.001	-
						Back side	0	41055	2636.5	22.00	21.96	100.93%	0.126	0.127	-
			0		Top side	0	41055	2636.5	22.00	21.96	100.93%	0.463	0.467	-	
					Bottom side	0	41055	2636.5	22.00	21.96	100.93%	0.004	0.004	-	
					Right side	0	41055	2636.5	22.00	21.96	100.93%	0.016	0.016	-	
			0	Left side	0	41055	2636.5	22.00	21.96	100.93%	0.001	0.001	-		
ULCA _41C	20MHz	QPSK		1 RB	0	Top side	0	39750	2506	23.00	22.79	104.95%	0.447	0.469	-

LTE TDD Band 48 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 48	20MHz	QPSK	1 RB	0	Back side	0	55340	3560	23.00	22.81	104.47%	0.308	0.322	-
					Top side	0	55340	3560	23.00	22.81	104.47%	0.653	0.682	254
					Top side	0	55773	3603.3	23.00	22.79	104.95%	0.637	0.669	-
					Top side	0	56207	3646.7	23.00	22.75	105.93%	0.617	0.654	-
					Top side	0	56640	3690	23.00	22.71	106.91%	0.621	0.664	-
					Bottom side	0	55340	3560	23.00	22.81	104.47%	0.021	0.022	-
			50 RB	0	Right side	0	55340	3560	23.00	22.81	104.47%	0.050	0.052	-
					Left side	0	55340	3560	23.00	22.81	104.47%	0.006	0.007	-
					Back side	0	55340	3560	22.00	21.72	106.66%	0.261	0.278	-
					Top side	0	55340	3560	22.00	21.72	106.66%	0.549	0.586	-
					Bottom side	0	55340	3560	22.00	21.72	106.66%	0.017	0.018	-
					Right side	0	55340	3560	22.00	21.72	106.66%	0.042	0.045	-
			100 RB		Left side	0	55340	3560	22.00	21.72	106.66%	0.005	0.005	-
					Back side	0	55340	3560	22.00	21.52	111.69%	0.256	0.286	-
					Top side	0	55340	3560	22.00	21.52	111.69%	0.543	0.606	-
					Bottom side	0	55340	3560	22.00	21.52	111.69%	0.018	0.020	-
					Right side	0	55340	3560	22.00	21.52	111.69%	0.043	0.048	-
					Left side	0	55340	3560	22.00	21.52	111.69%	0.005	0.006	-

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LTE FDD Band 66 (without power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 66	20MHz	QPSK	1 RB	0	Back side	0	132322	1745	24.00	23.52	111.69%	0.311	0.347	-
					Top side	0	132072	1720	24.00	23.20	120.23%	0.482	0.579	-
					Top side	0	132322	1745	24.00	23.52	111.69%	0.532	0.594	255
					Top side	0	132572	1770	24.00	23.37	115.61%	0.499	0.577	-
					Bottom side	0	132322	1745	24.00	23.52	111.69%	0.022	0.025	-
					Right side	0	132322	1745	24.00	23.52	111.69%	0.185	0.207	-
			50 RB	0	Left side	0	132322	1745	24.00	23.52	111.69%	0.105	0.117	-
					Back side	0	132322	1745	23.00	22.37	115.61%	0.284	0.328	-
					Top side	0	132322	1745	23.00	22.37	115.61%	0.453	0.524	-
					Bottom side	0	132322	1745	23.00	22.37	115.61%	0.018	0.021	-
					Right side	0	132322	1745	23.00	22.37	115.61%	0.166	0.192	-
					Left side	0	132322	1745	23.00	22.37	115.61%	0.095	0.110	-
			100 RB	0	Back side	0	132322	1745	23.00	22.35	116.14%	0.266	0.309	-
					Top side	0	132322	1745	23.00	22.35	116.14%	0.445	0.517	-
					Bottom side	0	132322	1745	23.00	22.35	116.14%	0.016	0.019	-
					Right side	0	132322	1745	23.00	22.35	116.14%	0.153	0.178	-
					Left side	0	132322	1745	23.00	22.35	116.14%	0.092	0.107	-

LTE FDD Band 66 (with power reduction)

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 66	20MHz	QPSK	1 RB	0	Back side	0	132322	1745	21.00	20.55	110.92%	0.312	0.346	-
					Top side	0	132072	1720	21.00	20.36	115.88%	0.796	0.922	-
					Top side	0	132322	1745	21.00	20.55	110.92%	0.799	0.886	256
					Top side	0	132572	1770	21.00	20.48	112.72%	0.712	0.803	-
			50 RB	0	Back side	0	132322	1745	21.00	20.51	111.94%	0.303	0.339	-
					Top side	0	132322	1745	21.00	20.51	111.94%	0.709	0.794	-
			100 RB	0	Back side	0	132322	1745	21.00	20.46	113.24%	0.303	0.343	-
					Top side	0	132322	1745	21.00	20.46	113.24%	0.702	0.795	-

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Main Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
									Measured	Reported	
Main	WLAN802.11 b	Back side	0	6	2437	20.00	20.00	100.00%	0.100	0.100	-
		Top side	0	6	2437	20.00	20.00	100.00%	0.020	0.020	-
		Bottom side	0	6	2437	20.00	20.00	100.00%	0.292	0.292	257
		Right side	0	6	2437	20.00	20.00	100.00%	0.024	0.024	-
		Left side	0	6	2437	20.00	20.00	100.00%	0.058	0.058	-
	Bluetooth (GFSK)	Back side	0	39	2441	12.50	12.27	105.44%	0.006	0.006	-
		Top side	0	39	2441	12.50	12.27	105.44%	0.001	0.001	-
		Bottom side	0	39	2441	12.50	12.27	105.44%	0.017	0.018	258
		Right side	0	39	2441	12.50	12.27	105.44%	0.001	0.001	-
		Left side	0	39	2441	12.50	12.27	105.44%	0.003	0.003	-
	WLAN802.11 ac(80M) 5.2G	Back side	0	42	5210	19.00	17.99	126.18%	0.154	0.194	-
		Top side	0	42	5210	19.00	17.99	126.18%	0.009	0.011	-
		Bottom side	0	42	5210	19.00	17.99	126.18%	0.897	1.132	259
		Bottom side*	0	42	5210	19.00	17.99	126.18%	0.891	1.124	-
		Right side	0	42	5210	19.00	17.99	126.18%	0.041	0.052	-
	WLAN802.11 ac(80M) 5.3G	Left side	0	42	5210	19.00	17.99	126.18%	0.237	0.299	-
		Back side	0	58	5290	18.50	17.94	113.76%	0.131	0.149	-
		Top side	0	58	5290	18.50	17.94	113.76%	0.007	0.008	-
		Bottom side	0	58	5290	18.50	17.94	113.76%	0.763	0.868	260
		Right side	0	58	5290	18.50	17.94	113.76%	0.035	0.040	-
	WLAN802.11 ac(80M) 5.6G	Left side	0	58	5290	18.50	17.94	113.76%	0.203	0.231	-
		Back side	0	106	5530	19.00	18.00	125.89%	0.133	0.167	-
		Top side	0	106	5530	19.00	18.00	125.89%	0.008	0.009	-
		Bottom side	0	106	5530	19.00	18.00	125.89%	0.774	0.974	261
		Right side	0	106	5530	19.00	18.00	125.89%	0.035	0.044	-
	WLAN802.11 ac(80M) 5.8G	Left side	0	106	5530	19.00	18.00	125.89%	0.205	0.258	-
		Back side	0	155	5775	19.00	17.95	127.35%	0.056	0.071	-
		Top side	0	155	5775	19.00	17.95	127.35%	0.003	0.004	-
		Bottom side	0	155	5775	19.00	17.95	127.35%	0.326	0.415	262
		Right side	0	155	5775	19.00	17.95	127.35%	0.015	0.019	-
	WLAN802.11 ac(80M) 5.8G	Left side	0	155	5775	19.00	17.95	127.35%	0.086	0.110	-

* - repeated at the highest SAR measurement according to the KDB 865664 D01.

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Aux Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
									Measured	Reported	
Aux	WLAN802.11 b	Back side	0	6	2437	20.00	20.00	100.00%	0.216	0.216	-
		Top side	0	6	2437	20.00	20.00	100.00%	0.300	0.300	263
		Bottom side	0	6	2437	20.00	20.00	100.00%	0.001	0.001	-
		Right side	0	6	2437	20.00	20.00	100.00%	0.014	0.014	-
		Left side	0	6	2437	20.00	20.00	100.00%	0.083	0.083	-
	WLAN802.11 ac(80M) 5.2G	Back side	0	42	5210	18.50	17.97	112.98%	0.373	0.421	264
		Top side	0	42	5210	18.50	17.97	112.98%	0.274	0.310	-
		Bottom side*	0	42	5210	18.50	17.97	112.98%	0.010	0.011	-
		Right side	0	42	5210	18.50	17.97	112.98%	0.043	0.049	-
		Left side	0	42	5210	18.50	17.97	112.98%	0.128	0.145	-
	WLAN802.11 ac(80M) 5.3G	Back side	0	58	5290	18.50	17.93	114.02%	0.361	0.412	265
		Top side	0	58	5290	18.50	17.93	114.02%	0.264	0.301	-
		Bottom side	0	58	5290	18.50	17.93	114.02%	0.010	0.011	-
		Right side	0	58	5290	18.50	17.93	114.02%	0.042	0.048	-
		Left side	0	58	5290	18.50	17.93	114.02%	0.123	0.140	-
	WLAN802.11 ac(80M) 5.6G	Back side	0	106	5530	18.50	17.96	113.16%	0.354	0.401	266
		Top side	0	106	5530	18.50	17.96	113.16%	0.260	0.294	-
		Bottom side	0	106	5530	18.50	17.96	113.16%	0.009	0.011	-
		Right side	0	106	5530	18.50	17.96	113.16%	0.041	0.046	-
		Left side	0	106	5530	18.50	17.96	113.16%	0.121	0.137	-
	WLAN802.11 ac(80M) 5.8G	Back side	0	155	5775	18.00	17.96	100.93%	0.239	0.241	267
		Top side	0	155	5775	18.00	17.96	100.93%	0.177	0.179	-
		Bottom side	0	155	5775	18.00	17.96	100.93%	0.006	0.006	-
		Right side	0	155	5775	18.00	17.96	100.93%	0.028	0.028	-
		Left side	0	155	5775	18.00	17.96	100.93%	0.082	0.083	-

2.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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3. Simultaneous Transmission Analysis

Simultaneous Transmission Scenarios:

NO.	Simultaneous Transmit Configurations	Body
1	UMTS + 2.4GHz WLAN Main / 2.4GHz WLAN Aux / 2.4GHz MIMO + NFC	YES
2	UMTS + 5GHz WLAN Main / 5GHz WLAN Aux / 5GHz MIMO + NFC	YES
3	UMTS + BT + NFC	YES
4	UMTS + 2.4/5GHz WLAN Aux + BT + NFC	YES
5	LTE + 2.4GHz WLAN Main / 2.4GHz WLAN Aux / 2.4GHz MIMO + NFC	YES
6	LTE + 5GHz WLAN Main / 5GHz WLAN Aux / 5GHz MIMO + NFC	YES
7	LTE + BT + NFC	YES
8	LTE + 2.4/5GHz WLAN Aux + BT + NFC	YES

Note :

- 1) WWAN and WLAN may transmit simultaneously.
- 2) Bluetooth and WLAN Main share the same antenna path.
- 3) Bluetooth can transmit with WLAN Aux simultaneously.

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3.1 Estimated SAR calculation

According to KDB447498 D01v06 – When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$$\text{Estimated SAR} = \frac{\text{Max. tune up power (mW)}}{\text{Min. test separation distance (mm)}} \times \frac{\sqrt{f(\text{GHz})}}{7.5}$$

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

3.2 SPLSR evaluation and analysis

Per KDB447498D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR sum to peak location separation ratio(SPLSR).

The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion.

The ratio is determined by $(\text{SAR1} + \text{SAR2})^{1.5}/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and R_i is the separation distance between the peak SAR locations for the antenna pair in mm.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

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Back side WWAN + 2.4G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
1	Back side	WCDMA Band II	0	0.395	0.100	0.216	0.000	0.711	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.287	0.100	0.216	0.000	0.603	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.706	0.100	0.216	0.000	1.022	Σ SAR<1.6, Not required
		LTE Band 2	0	0.488	0.100	0.216	0.000	0.804	Σ SAR<1.6, Not required
		LTE Band 4	0	0.356	0.100	0.216	0.000	0.672	Σ SAR<1.6, Not required
		LTE Band 5	0	0.691	0.100	0.216	0.000	1.007	Σ SAR<1.6, Not required
		LTE Band 7	0	0.349	0.100	0.216	0.000	0.665	Σ SAR<1.6, Not required
		LTE Band 12	0	0.409	0.100	0.216	0.000	0.725	Σ SAR<1.6, Not required
		LTE Band 13	0	0.367	0.100	0.216	0.000	0.683	Σ SAR<1.6, Not required
		LTE Band 14	0	0.455	0.100	0.216	0.000	0.771	Σ SAR<1.6, Not required
		LTE Band 26	0	0.725	0.100	0.216	0.000	1.041	Σ SAR<1.6, Not required
		LTE Band 41	0	0.133	0.100	0.216	0.000	0.449	Σ SAR<1.6, Not required
		LTE Band 48	0	0.322	0.100	0.216	0.000	0.638	Σ SAR<1.6, Not required
		LTE Band 66	0	0.346	0.100	0.216	0.000	0.662	Σ SAR<1.6, Not required

Back side WWAN + 5G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
2	Back side	WCDMA Band II	0	0.395	0.154	0.421	0.000	0.970	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.287	0.154	0.421	0.000	0.862	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.706	0.154	0.421	0.000	1.281	Σ SAR<1.6, Not required
		LTE Band 2	0	0.488	0.154	0.421	0.000	1.063	Σ SAR<1.6, Not required
		LTE Band 4	0	0.356	0.154	0.421	0.000	0.931	Σ SAR<1.6, Not required
		LTE Band 5	0	0.691	0.154	0.421	0.000	1.266	Σ SAR<1.6, Not required
		LTE Band 7	0	0.349	0.154	0.421	0.000	0.924	Σ SAR<1.6, Not required
		LTE Band 12	0	0.409	0.154	0.421	0.000	0.984	Σ SAR<1.6, Not required
		LTE Band 13	0	0.367	0.154	0.421	0.000	0.942	Σ SAR<1.6, Not required
		LTE Band 14	0	0.455	0.154	0.421	0.000	1.030	Σ SAR<1.6, Not required
		LTE Band 26	0	0.725	0.154	0.421	0.000	1.300	Σ SAR<1.6, Not required
		LTE Band 41	0	0.133	0.154	0.421	0.000	0.708	Σ SAR<1.6, Not required
		LTE Band 48	0	0.322	0.154	0.421	0.000	0.897	Σ SAR<1.6, Not required
		LTE Band 66	0	0.346	0.154	0.421	0.000	0.921	Σ SAR<1.6, Not required

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Back side WWAN + 2.4G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
3	Back side	WCDMA Band II	0	0.395	0.006	0.216	0.000	0.617	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.287	0.006	0.216	0.000	0.509	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.706	0.006	0.216	0.000	0.928	Σ SAR<1.6, Not required
		LTE Band 2	0	0.488	0.006	0.216	0.000	0.710	Σ SAR<1.6, Not required
		LTE Band 4	0	0.356	0.006	0.216	0.000	0.578	Σ SAR<1.6, Not required
		LTE Band 5	0	0.691	0.006	0.216	0.000	0.913	Σ SAR<1.6, Not required
		LTE Band 7	0	0.349	0.006	0.216	0.000	0.571	Σ SAR<1.6, Not required
		LTE Band 12	0	0.409	0.006	0.216	0.000	0.631	Σ SAR<1.6, Not required
		LTE Band 13	0	0.367	0.006	0.216	0.000	0.589	Σ SAR<1.6, Not required
		LTE Band 14	0	0.455	0.006	0.216	0.000	0.677	Σ SAR<1.6, Not required
		LTE Band 26	0	0.725	0.006	0.216	0.000	0.947	Σ SAR<1.6, Not required
		LTE Band 41	0	0.133	0.006	0.216	0.000	0.355	Σ SAR<1.6, Not required
		LTE Band 48	0	0.322	0.006	0.216	0.000	0.544	Σ SAR<1.6, Not required
		LTE Band 66	0	0.346	0.006	0.216	0.000	0.568	Σ SAR<1.6, Not required

Back side WWAN + 5G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
4	Back side	WCDMA Band II	0	0.395	0.006	0.421	0.000	0.822	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.287	0.006	0.421	0.000	0.714	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.706	0.006	0.421	0.000	1.133	Σ SAR<1.6, Not required
		LTE Band 2	0	0.488	0.006	0.421	0.000	0.915	Σ SAR<1.6, Not required
		LTE Band 4	0	0.356	0.006	0.421	0.000	0.783	Σ SAR<1.6, Not required
		LTE Band 5	0	0.691	0.006	0.421	0.000	1.118	Σ SAR<1.6, Not required
		LTE Band 7	0	0.349	0.006	0.421	0.000	0.776	Σ SAR<1.6, Not required
		LTE Band 12	0	0.409	0.006	0.421	0.000	0.836	Σ SAR<1.6, Not required
		LTE Band 13	0	0.367	0.006	0.421	0.000	0.794	Σ SAR<1.6, Not required
		LTE Band 14	0	0.455	0.006	0.421	0.000	0.882	Σ SAR<1.6, Not required
		LTE Band 26	0	0.725	0.006	0.421	0.000	1.152	Σ SAR<1.6, Not required
		LTE Band 41	0	0.133	0.006	0.421	0.000	0.560	Σ SAR<1.6, Not required
		LTE Band 48	0	0.322	0.006	0.421	0.000	0.749	Σ SAR<1.6, Not required
		LTE Band 66	0	0.346	0.006	0.421	0.000	0.773	Σ SAR<1.6, Not required

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Top side WWAN + 2.4G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
5	Top side	WCDMA Band II	0	0.826	0.002	0.300	0.000	1.128	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.785	0.002	0.300	0.000	1.087	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.716	0.002	0.300	0.000	1.018	ΣSAR<1.6, Not required
		LTE Band 2	0	0.932	0.002	0.300	0.000	1.234	ΣSAR<1.6, Not required
		LTE Band 4	0	0.869	0.002	0.300	0.000	1.171	ΣSAR<1.6, Not required
		LTE Band 5	0	0.711	0.002	0.300	0.000	1.013	ΣSAR<1.6, Not required
		LTE Band 7	0	0.999	0.002	0.300	0.000	1.301	ΣSAR<1.6, Not required
		LTE Band 12	0	0.461	0.002	0.300	0.000	0.763	ΣSAR<1.6, Not required
		LTE Band 13	0	0.476	0.002	0.300	0.000	0.778	ΣSAR<1.6, Not required
		LTE Band 14	0	0.490	0.002	0.300	0.000	0.792	ΣSAR<1.6, Not required
		LTE Band 26	0	0.735	0.002	0.300	0.000	1.037	ΣSAR<1.6, Not required
		LTE Band 41	0	0.491	0.002	0.300	0.000	0.793	ΣSAR<1.6, Not required
		LTE Band 48	0	0.682	0.002	0.300	0.000	0.984	ΣSAR<1.6, Not required
		LTE Band 66	0	0.922	0.002	0.300	0.000	1.224	ΣSAR<1.6, Not required

Top side WWAN + 5G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
6	Top side	WCDMA Band II	0	0.826	0.011	0.310	0.000	1.147	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.785	0.011	0.310	0.000	1.106	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.716	0.011	0.310	0.000	1.037	ΣSAR<1.6, Not required
		LTE Band 2	0	0.932	0.011	0.310	0.000	1.253	ΣSAR<1.6, Not required
		LTE Band 4	0	0.869	0.011	0.310	0.000	1.190	ΣSAR<1.6, Not required
		LTE Band 5	0	0.711	0.011	0.310	0.000	1.032	ΣSAR<1.6, Not required
		LTE Band 7	0	0.999	0.011	0.310	0.000	1.320	ΣSAR<1.6, Not required
		LTE Band 12	0	0.461	0.011	0.310	0.000	0.782	ΣSAR<1.6, Not required
		LTE Band 13	0	0.476	0.011	0.310	0.000	0.797	ΣSAR<1.6, Not required
		LTE Band 14	0	0.490	0.011	0.310	0.000	0.811	ΣSAR<1.6, Not required
		LTE Band 26	0	0.735	0.011	0.310	0.000	1.056	ΣSAR<1.6, Not required
		LTE Band 41	0	0.491	0.011	0.310	0.000	0.812	ΣSAR<1.6, Not required
		LTE Band 48	0	0.682	0.011	0.310	0.000	1.003	ΣSAR<1.6, Not required
		LTE Band 66	0	0.922	0.011	0.310	0.000	1.243	ΣSAR<1.6, Not required

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Top side WWAN + 2.4G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
7	Top side	WCDMA Band II	0	0.826	0.001	0.300	0.000	1.127	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.785	0.001	0.300	0.000	1.086	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.716	0.001	0.300	0.000	1.017	ΣSAR<1.6, Not required
		LTE Band 2	0	0.932	0.001	0.300	0.000	1.233	ΣSAR<1.6, Not required
		LTE Band 4	0	0.869	0.001	0.300	0.000	1.170	ΣSAR<1.6, Not required
		LTE Band 5	0	0.711	0.001	0.300	0.000	1.012	ΣSAR<1.6, Not required
		LTE Band 7	0	0.999	0.001	0.300	0.000	1.300	ΣSAR<1.6, Not required
		LTE Band 12	0	0.461	0.001	0.300	0.000	0.762	ΣSAR<1.6, Not required
		LTE Band 13	0	0.476	0.001	0.300	0.000	0.777	ΣSAR<1.6, Not required
		LTE Band 14	0	0.490	0.001	0.300	0.000	0.791	ΣSAR<1.6, Not required
		LTE Band 26	0	0.735	0.001	0.300	0.000	1.036	ΣSAR<1.6, Not required
		LTE Band 41	0	0.491	0.001	0.300	0.000	0.792	ΣSAR<1.6, Not required
		LTE Band 48	0	0.682	0.001	0.300	0.000	0.983	ΣSAR<1.6, Not required
		LTE Band 66	0	0.922	0.001	0.300	0.000	1.223	ΣSAR<1.6, Not required

Top side WWAN + 5G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
8	Top side	WCDMA Band II	0	0.826	0.001	0.310	0.000	1.137	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.785	0.001	0.310	0.000	1.096	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.716	0.001	0.310	0.000	1.027	ΣSAR<1.6, Not required
		LTE Band 2	0	0.932	0.001	0.310	0.000	1.243	ΣSAR<1.6, Not required
		LTE Band 4	0	0.869	0.001	0.310	0.000	1.180	ΣSAR<1.6, Not required
		LTE Band 5	0	0.711	0.001	0.310	0.000	1.022	ΣSAR<1.6, Not required
		LTE Band 7	0	0.999	0.001	0.310	0.000	1.310	ΣSAR<1.6, Not required
		LTE Band 12	0	0.461	0.001	0.310	0.000	0.772	ΣSAR<1.6, Not required
		LTE Band 13	0	0.476	0.001	0.310	0.000	0.787	ΣSAR<1.6, Not required
		LTE Band 14	0	0.490	0.001	0.310	0.000	0.801	ΣSAR<1.6, Not required
		LTE Band 26	0	0.735	0.001	0.310	0.000	1.046	ΣSAR<1.6, Not required
		LTE Band 41	0	0.491	0.001	0.310	0.000	0.802	ΣSAR<1.6, Not required
		LTE Band 48	0	0.682	0.001	0.310	0.000	0.993	ΣSAR<1.6, Not required
		LTE Band 66	0	0.922	0.001	0.310	0.000	1.233	ΣSAR<1.6, Not required

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Bottom side WWAN + 2.4G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
9	Bottom side	WCDMA Band II	0	0.018	0.292	0.001	0.000	0.311	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.008	0.292	0.001	0.000	0.301	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.005	0.292	0.001	0.000	0.298	ΣSAR<1.6, Not required
		LTE Band 2	0	0.015	0.292	0.001	0.000	0.308	ΣSAR<1.6, Not required
		LTE Band 4	0	0.024	0.292	0.001	0.000	0.317	ΣSAR<1.6, Not required
		LTE Band 5	0	0.008	0.292	0.001	0.000	0.301	ΣSAR<1.6, Not required
		LTE Band 7	0	0.004	0.292	0.001	0.000	0.297	ΣSAR<1.6, Not required
		LTE Band 12	0	0.006	0.292	0.001	0.000	0.299	ΣSAR<1.6, Not required
		LTE Band 13	0	0.006	0.292	0.001	0.000	0.299	ΣSAR<1.6, Not required
		LTE Band 14	0	0.009	0.292	0.001	0.000	0.302	ΣSAR<1.6, Not required
		LTE Band 26	0	0.009	0.292	0.001	0.000	0.302	ΣSAR<1.6, Not required
		LTE Band 41	0	0.005	0.292	0.001	0.000	0.298	ΣSAR<1.6, Not required
		LTE Band 48	0	0.022	0.292	0.001	0.000	0.315	ΣSAR<1.6, Not required
		LTE Band 66	0	0.025	0.292	0.001	0.000	0.318	ΣSAR<1.6, Not required

Bottom side WWAN + 5G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
10	Bottom side	WCDMA Band II	0	0.018	1.132	0.011	0.000	1.161	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.008	1.132	0.011	0.000	1.151	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.005	1.132	0.011	0.000	1.148	ΣSAR<1.6, Not required
		LTE Band 2	0	0.015	1.132	0.011	0.000	1.158	ΣSAR<1.6, Not required
		LTE Band 4	0	0.024	1.132	0.011	0.000	1.167	ΣSAR<1.6, Not required
		LTE Band 5	0	0.008	1.132	0.011	0.000	1.151	ΣSAR<1.6, Not required
		LTE Band 7	0	0.004	1.132	0.011	0.000	1.147	ΣSAR<1.6, Not required
		LTE Band 12	0	0.006	1.132	0.011	0.000	1.149	ΣSAR<1.6, Not required
		LTE Band 13	0	0.006	1.132	0.011	0.000	1.149	ΣSAR<1.6, Not required
		LTE Band 14	0	0.009	1.132	0.011	0.000	1.152	ΣSAR<1.6, Not required
		LTE Band 26	0	0.009	1.132	0.011	0.000	1.152	ΣSAR<1.6, Not required
		LTE Band 41	0	0.005	1.132	0.011	0.000	1.148	ΣSAR<1.6, Not required
		LTE Band 48	0	0.022	1.132	0.011	0.000	1.165	ΣSAR<1.6, Not required
		LTE Band 66	0	0.025	1.132	0.011	0.000	1.168	ΣSAR<1.6, Not required

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Bottom side WWAN + 2.4G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
11	Bottom side	WCDMA Band II	0	0.018	0.024	0.001	0.000	0.043	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.008	0.024	0.001	0.000	0.033	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.005	0.024	0.001	0.000	0.030	ΣSAR<1.6, Not required
		LTE Band 2	0	0.015	0.024	0.001	0.000	0.040	ΣSAR<1.6, Not required
		LTE Band 4	0	0.024	0.024	0.001	0.000	0.049	ΣSAR<1.6, Not required
		LTE Band 5	0	0.008	0.024	0.001	0.000	0.033	ΣSAR<1.6, Not required
		LTE Band 7	0	0.004	0.024	0.001	0.000	0.029	ΣSAR<1.6, Not required
		LTE Band 12	0	0.006	0.024	0.001	0.000	0.031	ΣSAR<1.6, Not required
		LTE Band 13	0	0.006	0.024	0.001	0.000	0.031	ΣSAR<1.6, Not required
		LTE Band 14	0	0.009	0.024	0.001	0.000	0.034	ΣSAR<1.6, Not required
		LTE Band 26	0	0.009	0.024	0.001	0.000	0.034	ΣSAR<1.6, Not required
		LTE Band 41	0	0.005	0.024	0.001	0.000	0.030	ΣSAR<1.6, Not required
		LTE Band 48	0	0.022	0.024	0.001	0.000	0.047	ΣSAR<1.6, Not required
		LTE Band 66	0	0.025	0.024	0.001	0.000	0.050	ΣSAR<1.6, Not required

Bottom side WWAN + 5G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
12	Bottom side	WCDMA Band II	0	0.018	0.024	0.011	0.000	0.053	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.008	0.024	0.011	0.000	0.043	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.005	0.024	0.011	0.000	0.040	ΣSAR<1.6, Not required
		LTE Band 2	0	0.015	0.024	0.011	0.000	0.050	ΣSAR<1.6, Not required
		LTE Band 4	0	0.024	0.024	0.011	0.000	0.059	ΣSAR<1.6, Not required
		LTE Band 5	0	0.008	0.024	0.011	0.000	0.043	ΣSAR<1.6, Not required
		LTE Band 7	0	0.004	0.024	0.011	0.000	0.039	ΣSAR<1.6, Not required
		LTE Band 12	0	0.006	0.024	0.011	0.000	0.041	ΣSAR<1.6, Not required
		LTE Band 13	0	0.006	0.024	0.011	0.000	0.041	ΣSAR<1.6, Not required
		LTE Band 14	0	0.009	0.024	0.011	0.000	0.044	ΣSAR<1.6, Not required
		LTE Band 26	0	0.009	0.024	0.011	0.000	0.044	ΣSAR<1.6, Not required
		LTE Band 41	0	0.005	0.024	0.011	0.000	0.040	ΣSAR<1.6, Not required
		LTE Band 48	0	0.022	0.024	0.011	0.000	0.057	ΣSAR<1.6, Not required
		LTE Band 66	0	0.025	0.024	0.011	0.000	0.060	ΣSAR<1.6, Not required

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Right side WWAN + 2.4G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
13	Right side	WCDMA Band II	0	0.148	0.024	0.014	0.000	0.186	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.117	0.024	0.014	0.000	0.155	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.041	0.024	0.014	0.000	0.079	Σ SAR<1.6, Not required
		LTE Band 2	0	0.131	0.024	0.014	0.000	0.169	Σ SAR<1.6, Not required
		LTE Band 4	0	0.186	0.024	0.014	0.000	0.224	Σ SAR<1.6, Not required
		LTE Band 5	0	0.068	0.024	0.014	0.000	0.106	Σ SAR<1.6, Not required
		LTE Band 7	0	0.034	0.024	0.014	0.000	0.072	Σ SAR<1.6, Not required
		LTE Band 12	0	0.044	0.024	0.014	0.000	0.082	Σ SAR<1.6, Not required
		LTE Band 13	0	0.037	0.024	0.014	0.000	0.075	Σ SAR<1.6, Not required
		LTE Band 14	0	0.046	0.024	0.014	0.000	0.084	Σ SAR<1.6, Not required
		LTE Band 26	0	0.070	0.024	0.014	0.000	0.108	Σ SAR<1.6, Not required
		LTE Band 41	0	0.018	0.024	0.014	0.000	0.056	Σ SAR<1.6, Not required
		LTE Band 48	0	0.052	0.024	0.014	0.000	0.090	Σ SAR<1.6, Not required
		LTE Band 66	0	0.207	0.024	0.014	0.000	0.245	Σ SAR<1.6, Not required

Right side WWAN + 5G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
14	Right side	WCDMA Band II	0	0.148	0.052	0.049	0.000	0.249	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.117	0.052	0.049	0.000	0.218	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.041	0.052	0.049	0.000	0.142	Σ SAR<1.6, Not required
		LTE Band 2	0	0.131	0.052	0.049	0.000	0.232	Σ SAR<1.6, Not required
		LTE Band 4	0	0.186	0.052	0.049	0.000	0.287	Σ SAR<1.6, Not required
		LTE Band 5	0	0.068	0.052	0.049	0.000	0.169	Σ SAR<1.6, Not required
		LTE Band 7	0	0.034	0.052	0.049	0.000	0.135	Σ SAR<1.6, Not required
		LTE Band 12	0	0.044	0.052	0.049	0.000	0.145	Σ SAR<1.6, Not required
		LTE Band 13	0	0.037	0.052	0.049	0.000	0.138	Σ SAR<1.6, Not required
		LTE Band 14	0	0.046	0.052	0.049	0.000	0.147	Σ SAR<1.6, Not required
		LTE Band 26	0	0.070	0.052	0.049	0.000	0.171	Σ SAR<1.6, Not required
		LTE Band 41	0	0.018	0.052	0.049	0.000	0.119	Σ SAR<1.6, Not required
		LTE Band 48	0	0.052	0.052	0.049	0.000	0.153	Σ SAR<1.6, Not required
		LTE Band 66	0	0.207	0.052	0.049	0.000	0.308	Σ SAR<1.6, Not required

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Right side WWAN + 2.4G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
15	Right side	WCDMA Band II	0	0.148	0.002	0.014	0.000	0.164	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.117	0.002	0.014	0.000	0.133	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.041	0.002	0.014	0.000	0.057	Σ SAR<1.6, Not required
		LTE Band 2	0	0.131	0.002	0.014	0.000	0.147	Σ SAR<1.6, Not required
		LTE Band 4	0	0.186	0.002	0.014	0.000	0.202	Σ SAR<1.6, Not required
		LTE Band 5	0	0.068	0.002	0.014	0.000	0.084	Σ SAR<1.6, Not required
		LTE Band 7	0	0.034	0.002	0.014	0.000	0.050	Σ SAR<1.6, Not required
		LTE Band 12	0	0.044	0.002	0.014	0.000	0.060	Σ SAR<1.6, Not required
		LTE Band 13	0	0.037	0.002	0.014	0.000	0.053	Σ SAR<1.6, Not required
		LTE Band 14	0	0.046	0.002	0.014	0.000	0.062	Σ SAR<1.6, Not required
		LTE Band 26	0	0.070	0.002	0.014	0.000	0.086	Σ SAR<1.6, Not required
		LTE Band 41	0	0.018	0.002	0.014	0.000	0.034	Σ SAR<1.6, Not required
		LTE Band 48	0	0.052	0.002	0.014	0.000	0.068	Σ SAR<1.6, Not required
		LTE Band 66	0	0.207	0.002	0.014	0.000	0.223	Σ SAR<1.6, Not required

Right side WWAN + 5G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
16	Right side	WCDMA Band II	0	0.148	0.002	0.049	0.000	0.199	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.117	0.002	0.049	0.000	0.168	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.041	0.002	0.049	0.000	0.092	Σ SAR<1.6, Not required
		LTE Band 2	0	0.131	0.002	0.049	0.000	0.182	Σ SAR<1.6, Not required
		LTE Band 4	0	0.186	0.002	0.049	0.000	0.237	Σ SAR<1.6, Not required
		LTE Band 5	0	0.068	0.002	0.049	0.000	0.119	Σ SAR<1.6, Not required
		LTE Band 7	0	0.034	0.002	0.049	0.000	0.085	Σ SAR<1.6, Not required
		LTE Band 12	0	0.044	0.002	0.049	0.000	0.095	Σ SAR<1.6, Not required
		LTE Band 13	0	0.037	0.002	0.049	0.000	0.088	Σ SAR<1.6, Not required
		LTE Band 14	0	0.046	0.002	0.049	0.000	0.097	Σ SAR<1.6, Not required
		LTE Band 26	0	0.070	0.002	0.049	0.000	0.121	Σ SAR<1.6, Not required
		LTE Band 41	0	0.018	0.002	0.049	0.000	0.069	Σ SAR<1.6, Not required
		LTE Band 48	0	0.052	0.002	0.049	0.000	0.103	Σ SAR<1.6, Not required
		LTE Band 66	0	0.207	0.002	0.049	0.000	0.258	Σ SAR<1.6, Not required

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Left side WWAN + 2.4G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
17	Left side	WCDMA Band II	0	0.063	0.058	0.083	0.000	0.204	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.015	0.058	0.083	0.000	0.156	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.016	0.058	0.083	0.000	0.157	Σ SAR<1.6, Not required
		LTE Band 2	0	0.069	0.058	0.083	0.000	0.210	Σ SAR<1.6, Not required
		LTE Band 4	0	0.107	0.058	0.083	0.000	0.248	Σ SAR<1.6, Not required
		LTE Band 5	0	0.037	0.058	0.083	0.000	0.178	Σ SAR<1.6, Not required
		LTE Band 7	0	0.040	0.058	0.083	0.000	0.181	Σ SAR<1.6, Not required
		LTE Band 12	0	0.024	0.058	0.083	0.000	0.165	Σ SAR<1.6, Not required
		LTE Band 13	0	0.021	0.058	0.083	0.000	0.162	Σ SAR<1.6, Not required
		LTE Band 14	0	0.044	0.058	0.083	0.000	0.185	Σ SAR<1.6, Not required
		LTE Band 26	0	0.039	0.058	0.083	0.000	0.180	Σ SAR<1.6, Not required
		LTE Band 41	0	0.001	0.058	0.083	0.000	0.142	Σ SAR<1.6, Not required
		LTE Band 48	0	0.007	0.058	0.083	0.000	0.148	Σ SAR<1.6, Not required
		LTE Band 66	0	0.117	0.058	0.083	0.000	0.258	Σ SAR<1.6, Not required

Left side WWAN + 5G WLAN MIMO +NFC

No.	Position	Conditions	Distance (mm)	WWAN	Main	Aux	NFC	SAR Sum	SPLSR
18	Left side	WCDMA Band II	0	0.063	0.299	0.145	0.000	0.507	Σ SAR<1.6, Not required
		WCDMA Band IV	0	0.015	0.299	0.145	0.000	0.459	Σ SAR<1.6, Not required
		WCDMA Band V	0	0.016	0.299	0.145	0.000	0.460	Σ SAR<1.6, Not required
		LTE Band 2	0	0.069	0.299	0.145	0.000	0.513	Σ SAR<1.6, Not required
		LTE Band 4	0	0.107	0.299	0.145	0.000	0.551	Σ SAR<1.6, Not required
		LTE Band 5	0	0.037	0.299	0.145	0.000	0.481	Σ SAR<1.6, Not required
		LTE Band 7	0	0.040	0.299	0.145	0.000	0.484	Σ SAR<1.6, Not required
		LTE Band 12	0	0.024	0.299	0.145	0.000	0.468	Σ SAR<1.6, Not required
		LTE Band 13	0	0.021	0.299	0.145	0.000	0.465	Σ SAR<1.6, Not required
		LTE Band 14	0	0.044	0.299	0.145	0.000	0.488	Σ SAR<1.6, Not required
		LTE Band 26	0	0.039	0.299	0.145	0.000	0.483	Σ SAR<1.6, Not required
		LTE Band 41	0	0.001	0.299	0.145	0.000	0.445	Σ SAR<1.6, Not required
		LTE Band 48	0	0.007	0.299	0.145	0.000	0.451	Σ SAR<1.6, Not required
		LTE Band 66	0	0.117	0.299	0.145	0.000	0.561	Σ SAR<1.6, Not required

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Left side WWAN + 2.4G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
19	Left side	WCDMA Band II	0	0.063	0.005	0.083	0.000	0.151	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.015	0.005	0.083	0.000	0.103	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.016	0.005	0.083	0.000	0.104	ΣSAR<1.6, Not required
		LTE Band 2	0	0.069	0.005	0.083	0.000	0.157	ΣSAR<1.6, Not required
		LTE Band 4	0	0.107	0.005	0.083	0.000	0.195	ΣSAR<1.6, Not required
		LTE Band 5	0	0.037	0.005	0.083	0.000	0.125	ΣSAR<1.6, Not required
		LTE Band 7	0	0.040	0.005	0.083	0.000	0.128	ΣSAR<1.6, Not required
		LTE Band 12	0	0.024	0.005	0.083	0.000	0.112	ΣSAR<1.6, Not required
		LTE Band 13	0	0.021	0.005	0.083	0.000	0.109	ΣSAR<1.6, Not required
		LTE Band 14	0	0.044	0.005	0.083	0.000	0.132	ΣSAR<1.6, Not required
		LTE Band 26	0	0.039	0.005	0.083	0.000	0.127	ΣSAR<1.6, Not required
		LTE Band 41	0	0.001	0.005	0.083	0.000	0.089	ΣSAR<1.6, Not required
		LTE Band 48	0	0.007	0.005	0.083	0.000	0.095	ΣSAR<1.6, Not required
		LTE Band 66	0	0.117	0.005	0.083	0.000	0.205	ΣSAR<1.6, Not required

Left side WWAN + 5G WLAN Aux + Bluetooth +NFC

No.	Position	Conditions	Distance (mm)	WWAN	BT	Aux	NFC	SAR Sum	SPLSR
20	Left side	WCDMA Band II	0	0.063	0.005	0.145	0.000	0.213	ΣSAR<1.6, Not required
		WCDMA Band IV	0	0.015	0.005	0.145	0.000	0.165	ΣSAR<1.6, Not required
		WCDMA Band V	0	0.016	0.005	0.145	0.000	0.166	ΣSAR<1.6, Not required
		LTE Band 2	0	0.069	0.005	0.145	0.000	0.219	ΣSAR<1.6, Not required
		LTE Band 4	0	0.107	0.005	0.145	0.000	0.257	ΣSAR<1.6, Not required
		LTE Band 5	0	0.037	0.005	0.145	0.000	0.187	ΣSAR<1.6, Not required
		LTE Band 7	0	0.040	0.005	0.145	0.000	0.190	ΣSAR<1.6, Not required
		LTE Band 12	0	0.024	0.005	0.145	0.000	0.174	ΣSAR<1.6, Not required
		LTE Band 13	0	0.021	0.005	0.145	0.000	0.171	ΣSAR<1.6, Not required
		LTE Band 14	0	0.044	0.005	0.145	0.000	0.194	ΣSAR<1.6, Not required
		LTE Band 26	0	0.039	0.005	0.145	0.000	0.189	ΣSAR<1.6, Not required
		LTE Band 41	0	0.001	0.005	0.145	0.000	0.151	ΣSAR<1.6, Not required
		LTE Band 48	0	0.007	0.005	0.145	0.000	0.157	ΣSAR<1.6, Not required
		LTE Band 66	0	0.117	0.005	0.145	0.000	0.267	ΣSAR<1.6, Not required

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Conclusion:

Simultaneous transmission SAR measurement (Volume Scan) is not required because either the sum of the 1-g SAR is $< 1.6 \text{ W/kg}$ or the SPLSR is ≤ 0.04 for all circumstances that require SPLSR calculation.

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4. Instruments List

Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field Probe	EX3DV4	7509	Mar.25,2019	Mar.24,2020
			7466	Feb.04,2020	Feb.03,2021
SPEAG	System Validation Dipole	D750V3	1015	Aug.23,2019	Aug.22,2020
		D835V2	4d063	Aug.23,2019	Aug.22,2020
		D1750V2	1008	Aug.23,2019	Aug.22,2020
		D1900V2	5d173	Apr.23,2019	Apr.22,2020
		D2450V2	727	Apr.24,2019	Apr.23,2020
		D2600V2	1005	Jan.28,2019	Jan.27,2020
		D3500V2	1009	Aug.29,2019	Aug.28,2020
		D3700V2	1057	Nov.04,2019	Nov.03,2020
		D5GHzV2	1023	Jan.30,2019	Jan.29,2020
SPEAG	Data acquisition Electronics	DAE4	877	Mar.22,2019	Mar.21,2020
			856	Apr.24,2019	Apr.23,2020
SPEAG	Software	DASY 52 V52.10.1	N/A	Calibration not required	Calibration not required
		DASY 52 V52.10.4			
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
Agilent	Network Analyzer	E5071C	MY46107530	Feb.23,2019	Feb.22,2020
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Jan.28,2020	Jan.27,2021
Agilent	Dielectric Probe Kit	85070E	MY44300677	Calibration not required	Calibration not required

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Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
Agilent	Dual-directional coupler	772D	MY46151242	Jul.30,2019	Jul.29,2020
		778D	MY48220468	Jul.30,2019	Jul.29,2020
Agilent	RF Signal Generator	N5181A	MY50141235	Apr.22,2019	Apr.21,2020
Agilent	Power Meter	E4417A	MY51410006	Feb.19,2019	Feb.18,2020
Agilent	Power Sensor	E9301H	MY51470001	Feb.19,2019	Feb.18,2020
			MY51470002	Feb.19,2019	Feb.18,2020
Agilent	Power Meter	E4417A	MY52240003	Apr.15,2019	Apr.14,2020
Agilent	Power Sensor	E9301H	MY52200004	Apr.15,2019	Apr.14,2020
TECPEL	Digital thermometer	DTM-303A	TP130074	Mar.26,2019	Mar.25,2020
Anritsu	Radio Communication Test	MT8820C	6201061049	Dec.08,2019	Dec.07,2020
R&S	Radio Communication Test	CMW 500	125470	Dec.11,2019	Dec.10,2020

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5. Measurements

Date: 2019/12/30

WCDMA Band II_Body_Top side_CH 9538_16mm

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 41.085$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.5, 8.5, 8.5); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.505 W/kg

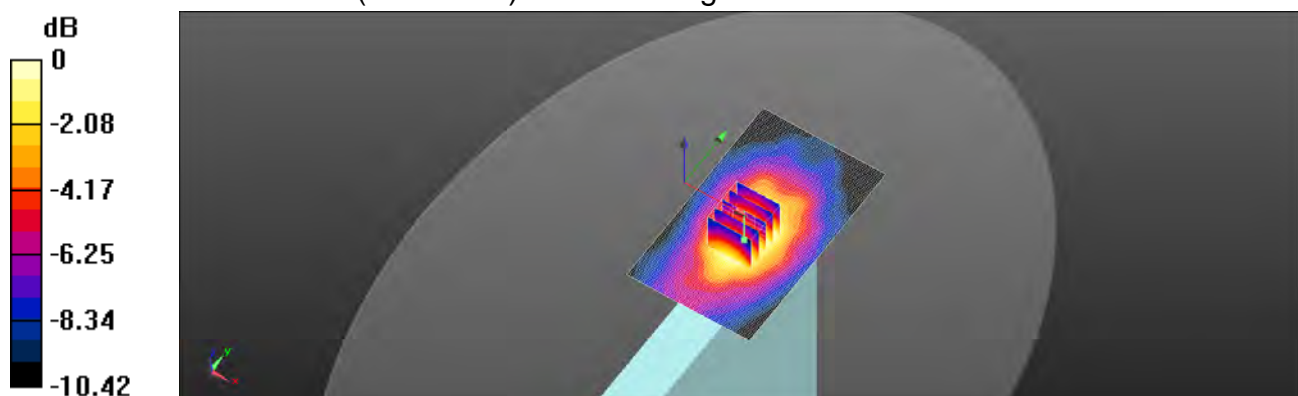
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.111 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.446 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.418 W/kg



0 dB = 0.418 W/kg = -3.79 dBW/kg

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Date: 2019/12/30

WCDMA Band II_Body_Top side_CH 9538_0mm

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 41.085$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.5, 8.5, 8.5); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

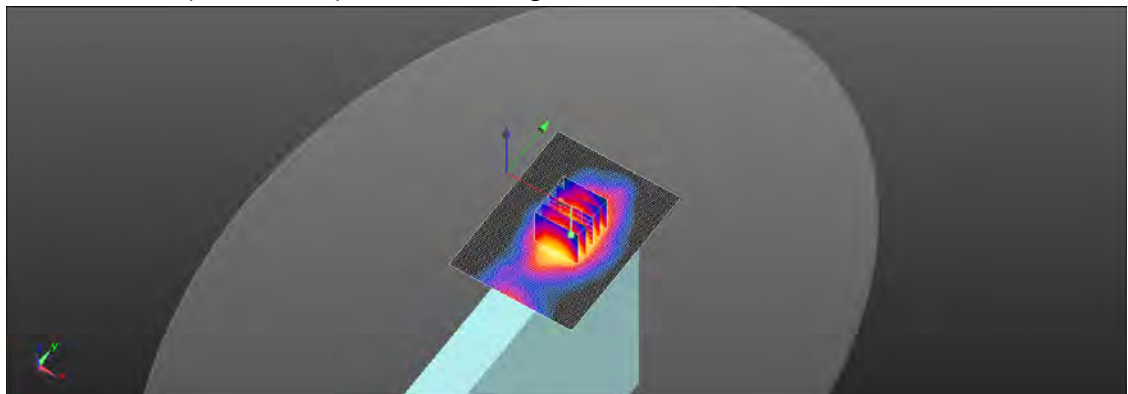
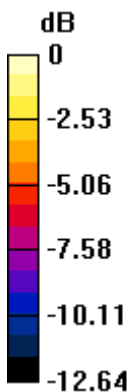
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.910 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.523 W/kg

Maximum value of SAR (measured) = 0.961 W/kg



0 dB = 0.961 W/kg = -0.17 dBW/kg

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Date: 2019/12/29

WCDMA Band IV_Body_Top side_CH 1412_16mm

Communication System: WCDMA; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.4 \text{ MHz}$; $\sigma = 1.339 \text{ S/m}$; $\epsilon_r = 41.192$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.3°C

DASY5 Configuration:

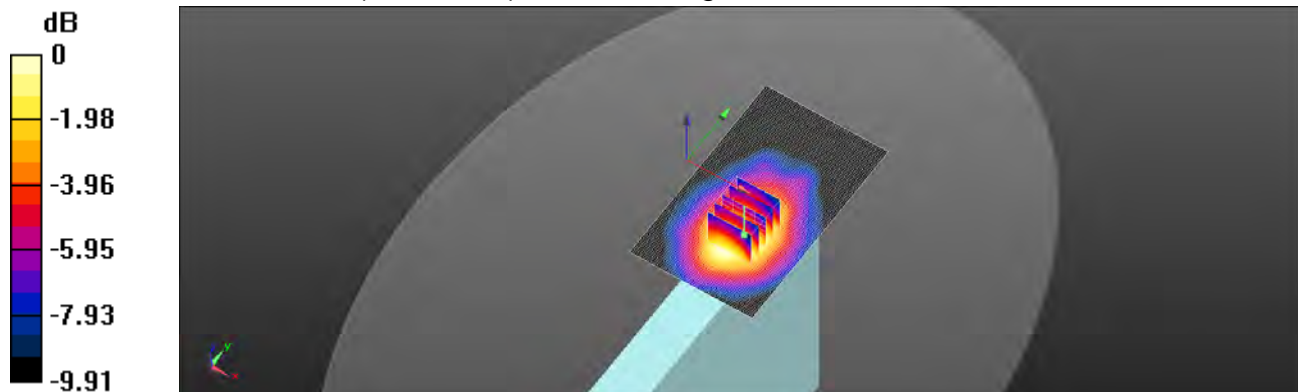
- Probe: EX3DV4 - SN7509; ConvF(8.84, 8.84, 8.84); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.626 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.712 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.509 W/kg ; SAR(10 g) = 0.371 W/kg

Maximum value of SAR (measured) = 0.571 W/kg

 $0 \text{ dB} = 0.571 \text{ W/kg} = -2.43 \text{ dBW/kg}$

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Date: 2019/12/29

WCDMA Band IV_Body_Top side_CH 1312_0mm

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1712.4 \text{ MHz}$; $\sigma = 1.327 \text{ S/m}$; $\epsilon_r = 41.466$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.3°C

DASY5 Configuration:

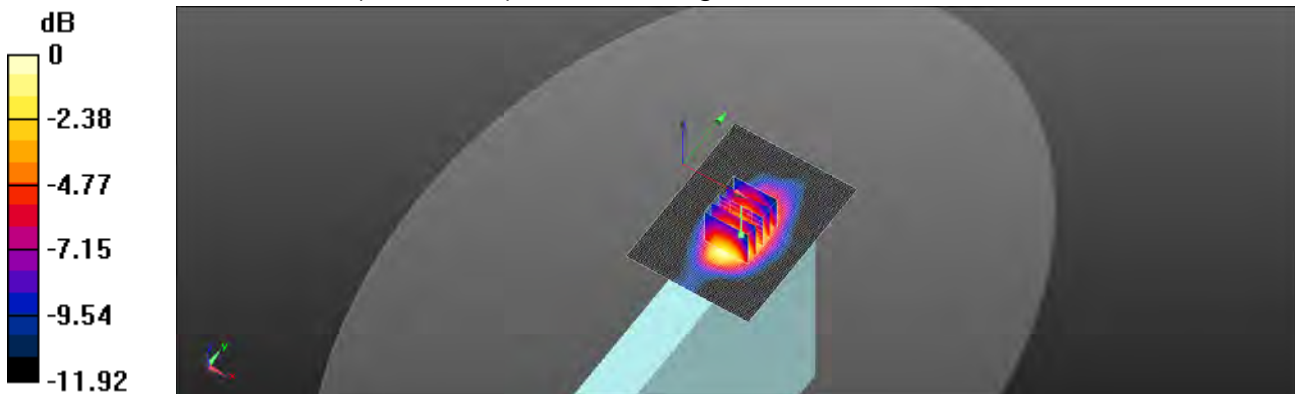
- Probe: EX3DV4 - SN7509; ConvF(8.84, 8.84, 8.84); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 1.03 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.070 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.736 W/kg ; SAR(10 g) = 0.489 W/kg

Maximum value of SAR (measured) = 0.862 W/kg

 $0 \text{ dB} = 0.862 \text{ W/kg} = -0.64 \text{ dBW/kg}$

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Date: 2019/12/28

WCDMA Band V_Body_Top side_CH 4183_0mm

Communication System: WCDMA; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 42.123$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.13, 10.13, 10.13); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.929 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.06 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.782 W/kg

SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.522 W/kg

Maximum value of SAR (measured) = 0.755 W/kg

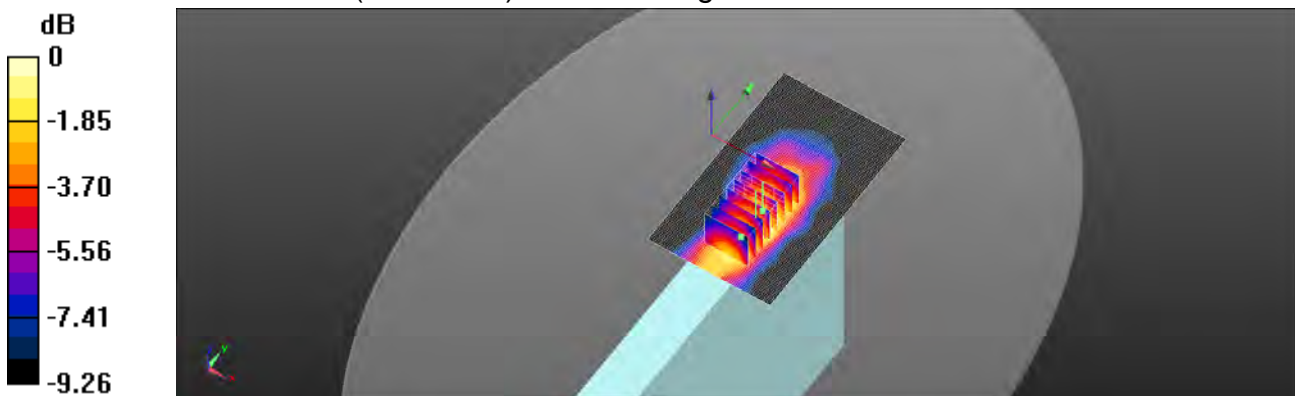
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.06 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.776 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.490 W/kg

Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.757 W/kg = -1.21 dBW/kg

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Date: 2019/12/30

LTE Band 2 (20MHz)_Body_Top side_CH 18700_QPSK_1-0_16mm

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860 \text{ MHz}$; $\sigma = 1.371 \text{ S/m}$; $\epsilon_r = 41.121$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

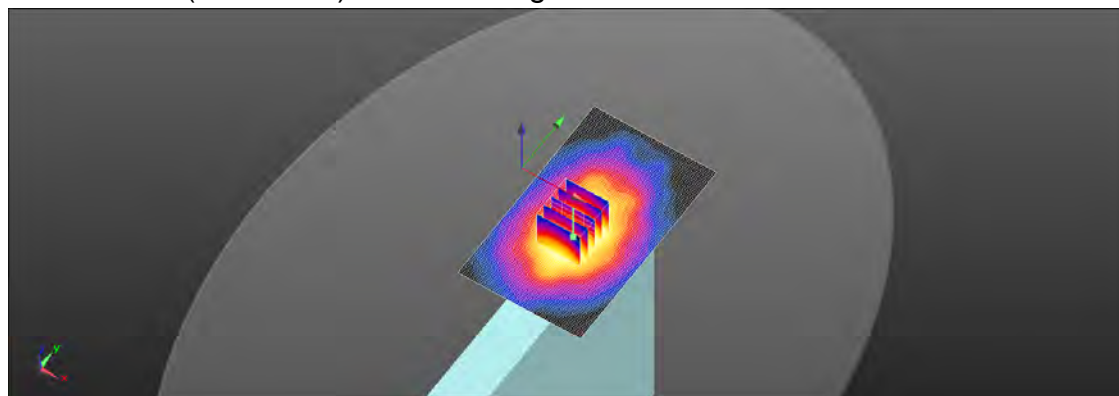
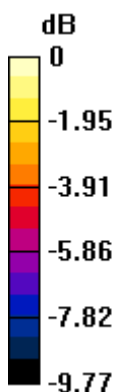
- Probe: EX3DV4 - SN7509; ConvF(8.5, 8.5, 8.5); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.455 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.536 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.395 W/kg
SAR(1 g) = 0.332 W/kg ; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.377 W/kg

 $0 \text{ dB} = 0.377 \text{ W/kg} = -4.24 \text{ dBW/kg}$

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Date: 2019/12/30

LTE Band 2 (20MHz)_Body_Top side_CH 19100_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.375 \text{ S/m}$; $\epsilon_r = 41.097$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

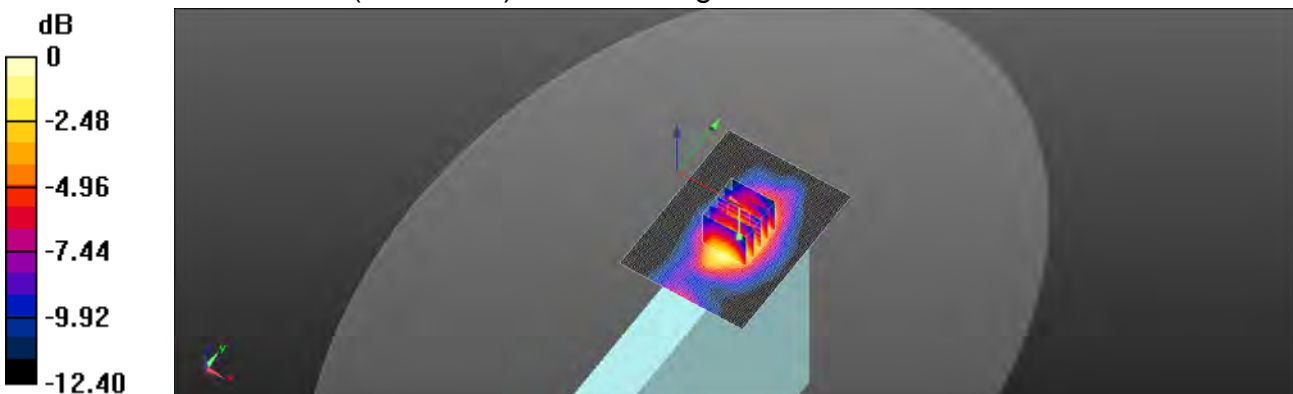
- Probe: EX3DV4 - SN7509; ConvF(8.5, 8.5, 8.5); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 1.17 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.647 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.829 W/kg ; SAR(10 g) = 0.539 W/kg

Maximum value of SAR (measured) = 0.985 W/kg

 $0 \text{ dB} = 0.985 \text{ W/kg} = -0.07 \text{ dBW/kg}$

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Date: 2019/12/29

LTE Band 4 (20MHz)_Body_Top side_CH 20050_QPSK_1-50_16mm

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720 \text{ MHz}$; $\sigma = 1.331 \text{ S/m}$; $\epsilon_r = 41.204$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.3°C

DASY5 Configuration:

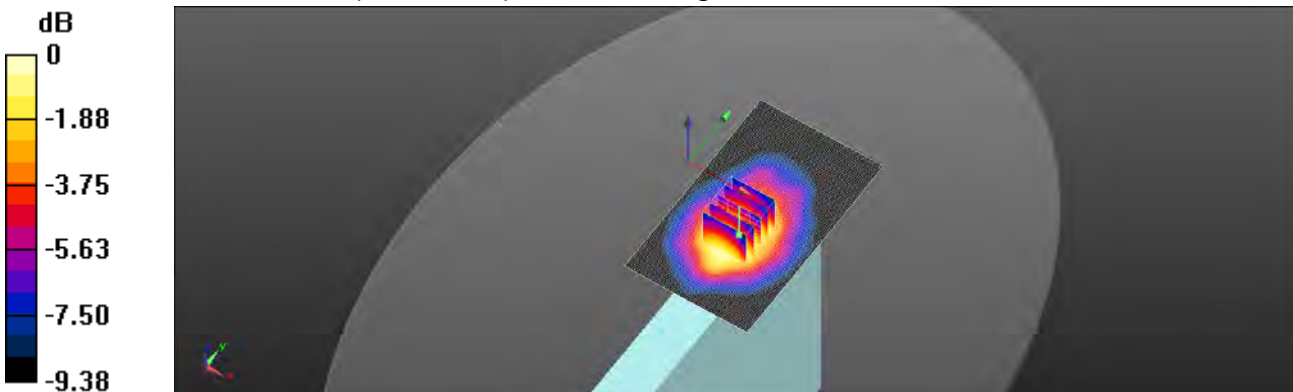
- Probe: EX3DV4 - SN7509; ConvF(8.84, 8.84, 8.84); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.631 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.981 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.551 W/kg
SAR(1 g) = 0.478 W/kg ; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.534 W/kg

 $0 \text{ dB} = 0.534 \text{ W/kg} = -2.73 \text{ dBW/kg}$

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Date: 2019/12/29

LTE Band 4 (20MHz)_Body_Top side_CH 20050_QPSK_1-50_0mm

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.331$ S/m; $\epsilon_r = 41.204$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.84, 8.84, 8.84); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.08 W/kg

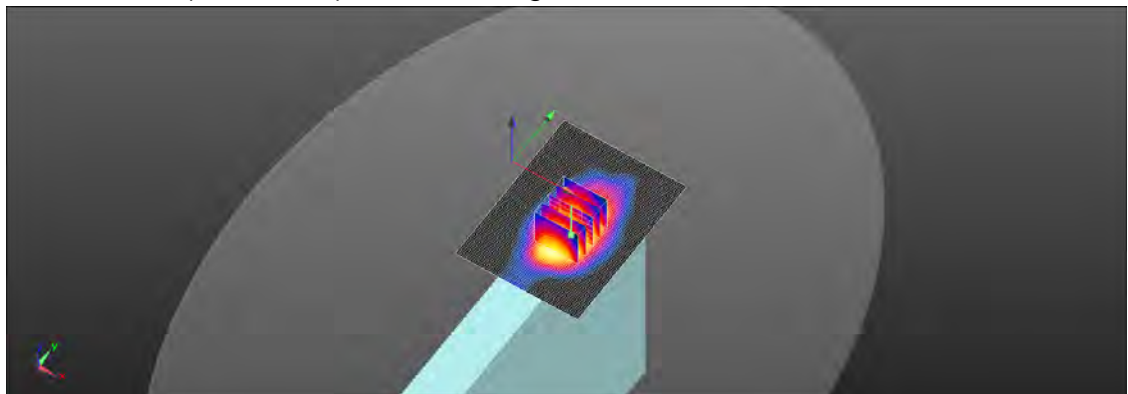
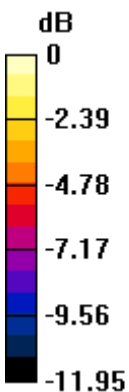
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.811 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.963 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.536 W/kg

Maximum value of SAR (measured) = 0.924 W/kg



0 dB = 0.924 W/kg = -0.34 dBW/kg

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Date: 2019/12/28

LTE Band 5 (10MHz)_Body_Top side_CH 20525_QPSK_1-25_0mm

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 42.131$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.13, 10.13, 10.13); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.875 W/kg

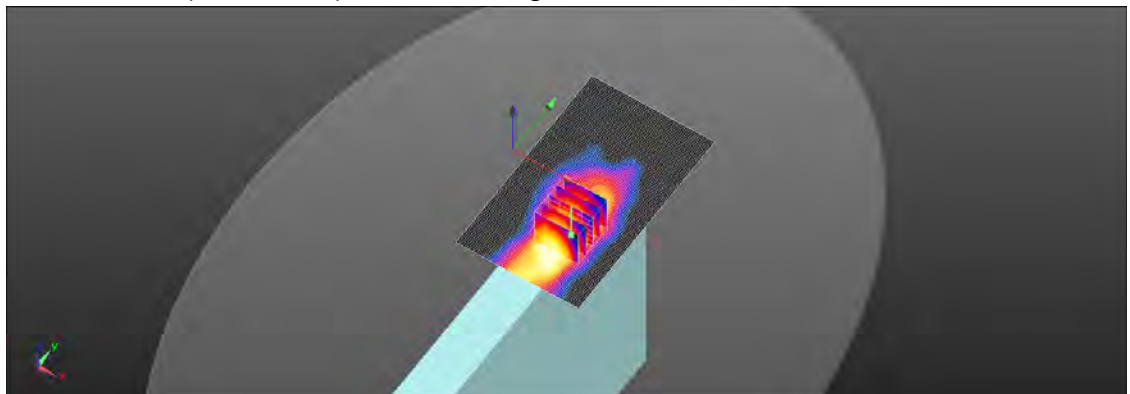
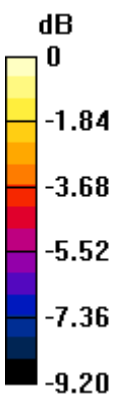
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.59 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.729 W/kg

SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.491 W/kg

Maximum value of SAR (measured) = 0.700 W/kg



0 dB = 0.700 W/kg = -1.55 dBW/kg

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Date: 2020/1/1

LTE Band 7 (20MHz)_Body_Top side_CH 21100_QPSK_1-0_16mm

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.838$ S/m; $\epsilon_r = 40.202$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.7, 7.7, 7.7); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.453 W/kg

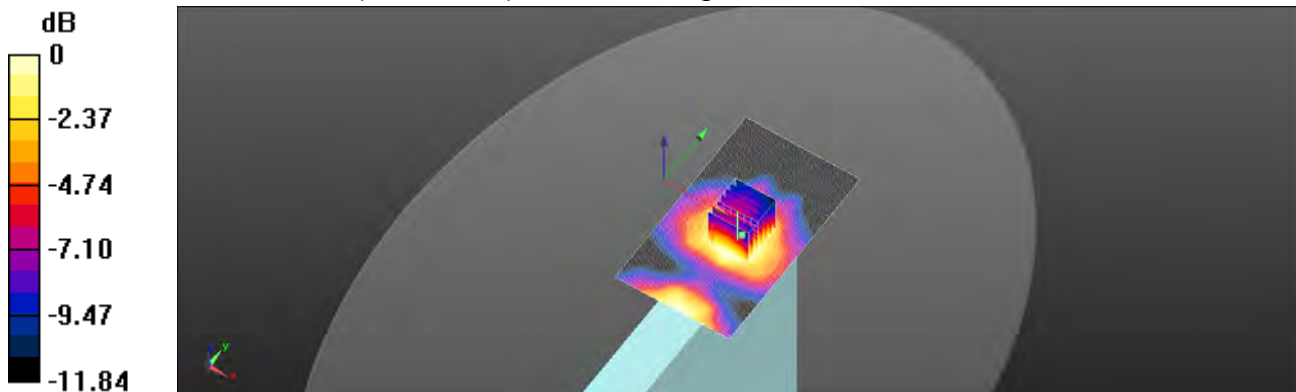
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.009 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.410 W/kg

SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

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Date: 2020/1/1

LTE Band 7 (20MHz)_Body_Top side_CH 21100_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.838$ S/m; $\epsilon_r = 40.202$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.7, 7.7, 7.7); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.37 W/kg

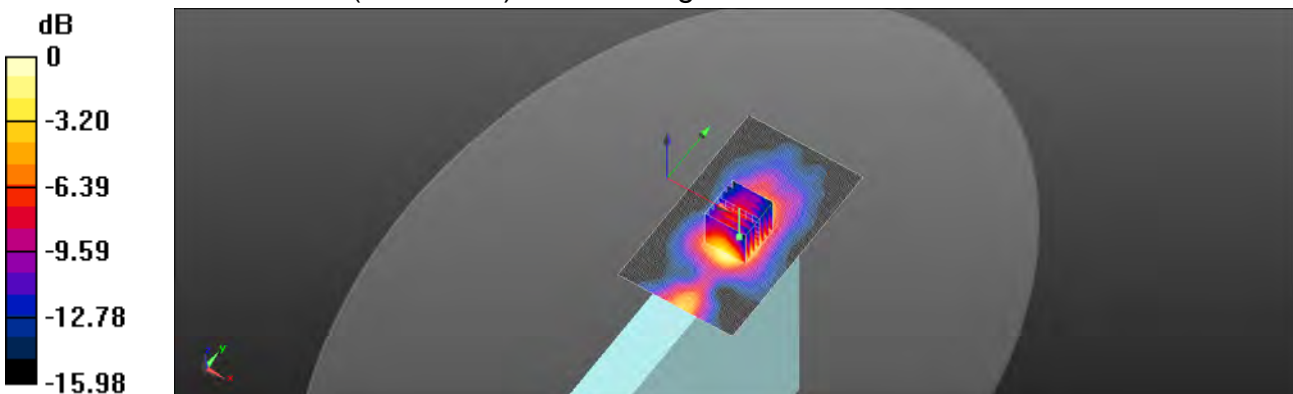
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.96 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.522 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.82 dBW/kg

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Date: 2019/12/27

LTE Band 12 (10MHz)_Body_Top side_CH 23060_QPSK_1-49_0mm

Communication System: LTE; Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 43.02$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.2°C

DASY5 Configuration:

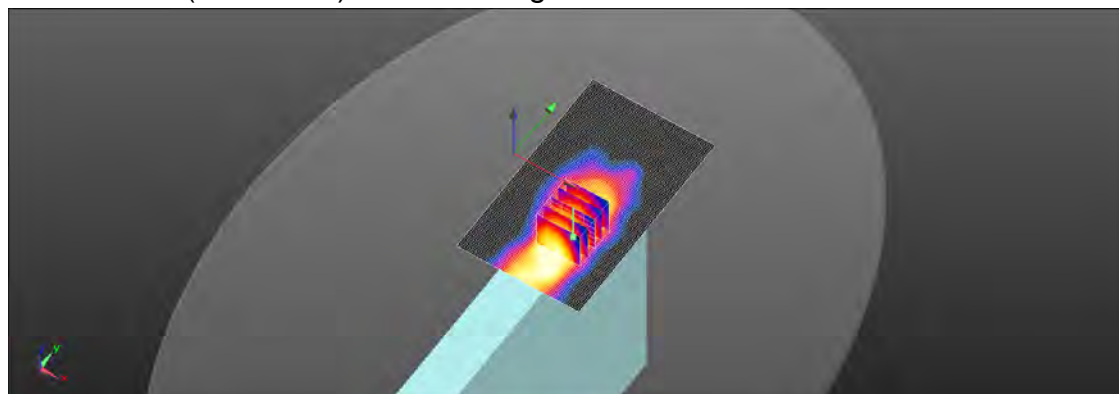
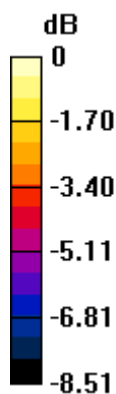
- Probe: EX3DV4 - SN7509; ConvF(10.41, 10.41, 10.41); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.644 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.19 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.458 W/kg ; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 0.480 W/kg

 $0 \text{ dB} = 0.480 \text{ W/kg} = -3.18 \text{ dBW/kg}$

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Date: 2019/12/27

LTE Band 13 (10MHz)_Body_Top side_CH 23230_QPSK_1-0_0mm

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 42.59$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.2°C

DASY5 Configuration:

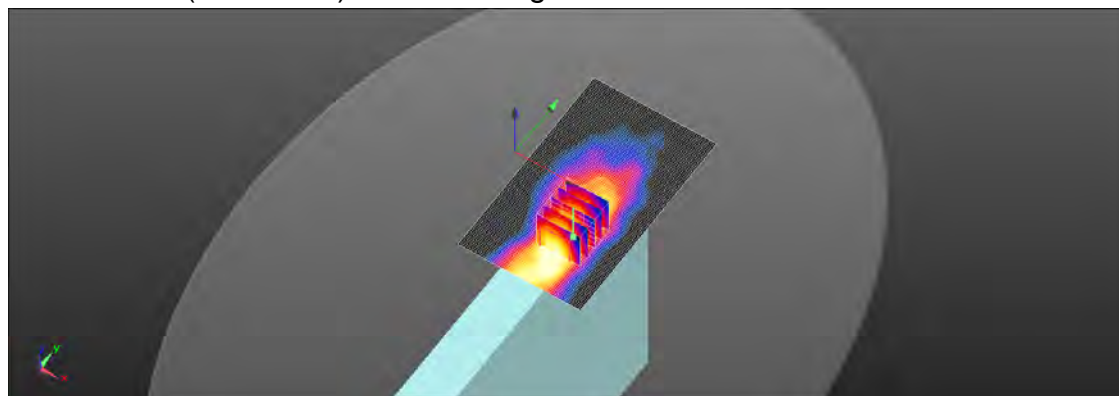
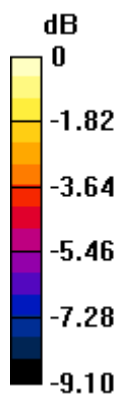
- Probe: EX3DV4 - SN7509; ConvF(10.41, 10.41, 10.41); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.667 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.47 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.533 W/kg
SAR(1 g) = 0.488 W/kg ; SAR(10 g) = 0.363 W/kg

Maximum value of SAR (measured) = 0.515 W/kg

 $0 \text{ dB} = 0.515 \text{ W/kg} = -2.88 \text{ dBW/kg}$

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Date: 2019/12/27

LTE Band 14 (10MHz)_Body_Top side_CH 23330_QPSK_1-0_0mm

Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 42.561$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.2°C

DASY5 Configuration:

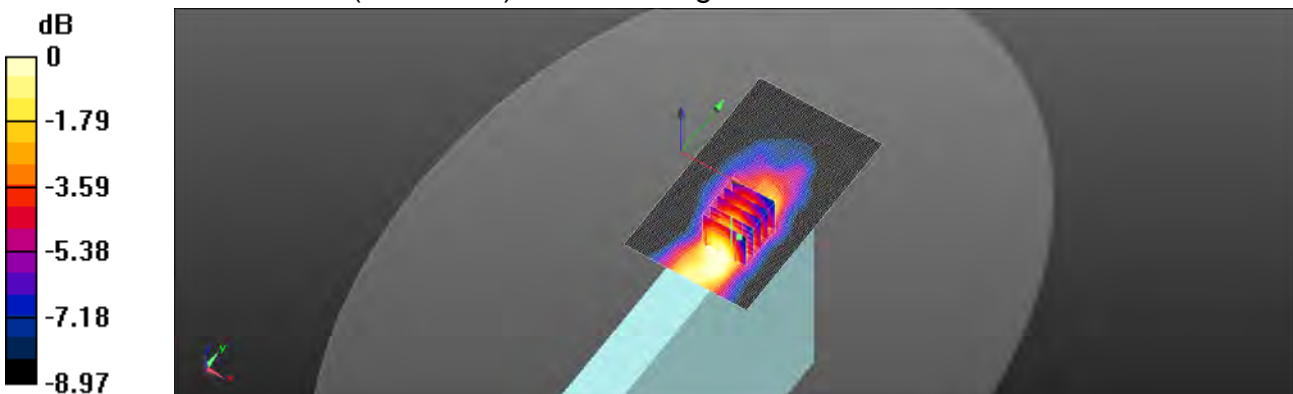
- Probe: EX3DV4 - SN7509; ConvF(10.41, 10.41, 10.41); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.628 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.71 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.504 W/kg
SAR(1 g) = 0.464 W/kg ; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 0.488 W/kg

 $0 \text{ dB} = 0.488 \text{ W/kg} = -3.11 \text{ dBW/kg}$

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Date: 2019/12/28

LTE Band 26 (15MHz)_Body_Top side_CH 26965_QPSK_1-0_0mm

Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 841.5 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 42.11$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.13, 10.13, 10.13); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.666 W/kg

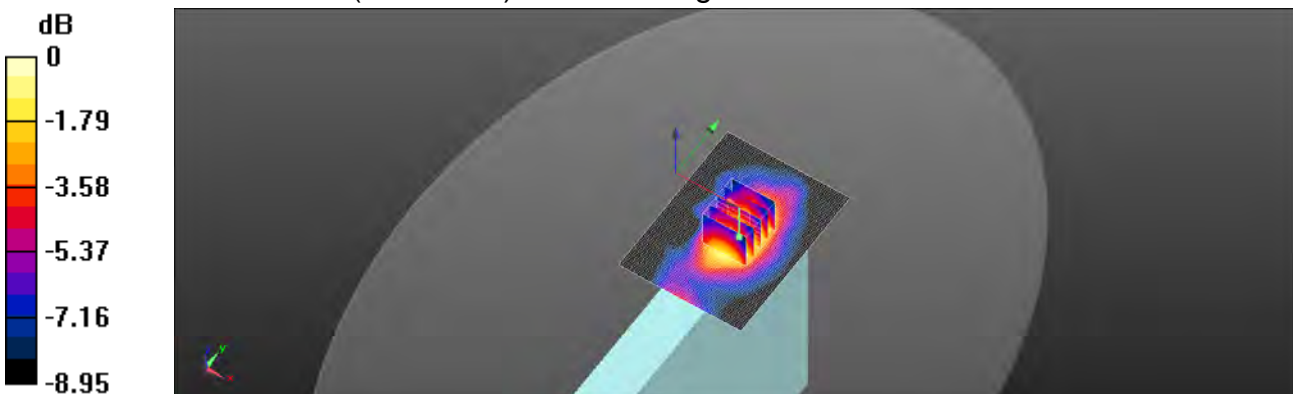
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.80 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.471 W/kg

Maximum value of SAR (measured) = 0.518 W/kg



0 dB = 0.518 W/kg = -2.86 dBW/kg

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Date: 2020/1/1

LTE Band 41 (20MHz)_Body_Top side_CH 40620_QPSK_1-99_0mm

Communication System: LTE; Frequency: 2593 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.899$ S/m; $\epsilon_r = 40.111$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.7, 7.7, 7.7); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.718 W/kg

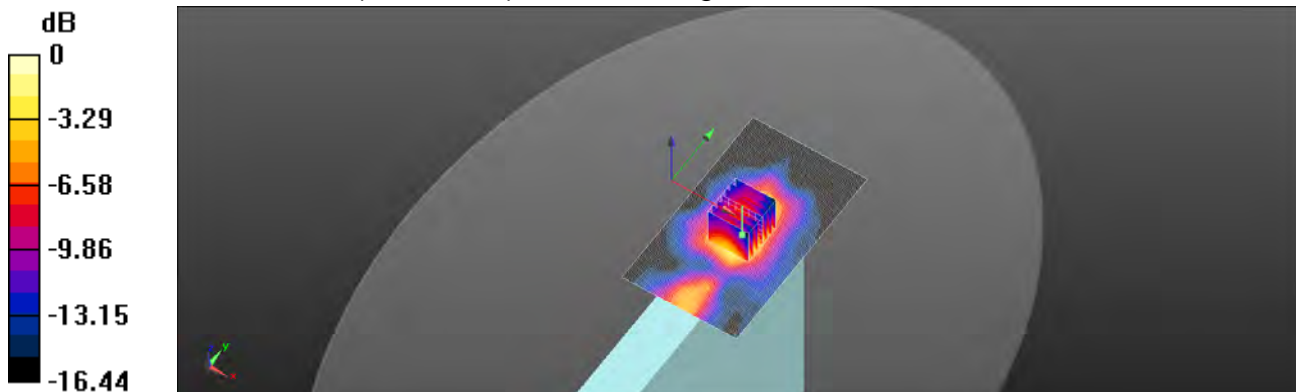
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.009 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 0.636 W/kg



0 dB = 0.636 W/kg = -1.97 dBW/kg

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Date: 2020/3/12

LTE Band 48 (20MHz)_Body_Top side_CH 55340_QPSK_1-0_0mm

Communication System: LTE; Frequency: 3560 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 3560$ MHz; $\sigma = 2.917$ S/m; $\epsilon_r = 39.019$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(6.96, 6.96, 6.96); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.641 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.242 W/kg

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 42.5%

Maximum value of SAR (measured) = 1.15 W/kg

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.641 V/m; Power Drift = 0.01 dB

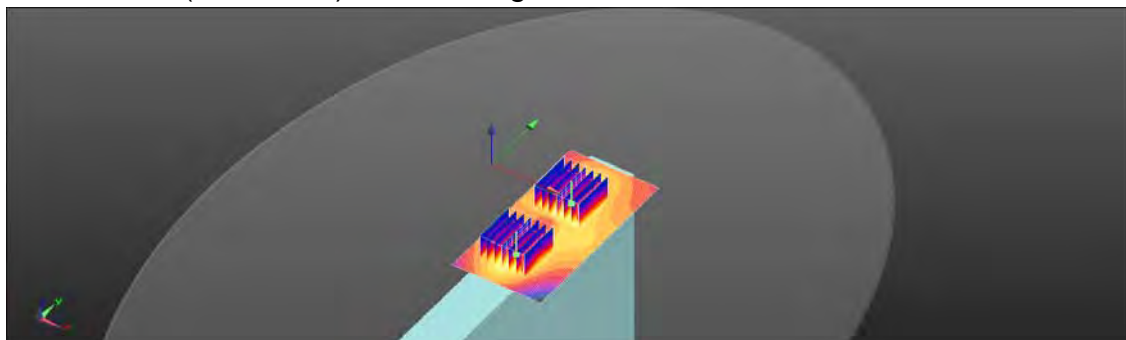
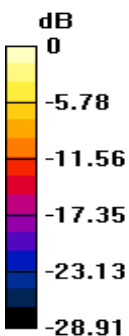
Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.236 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 42.5%

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

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Date: 2019/12/29

LTE Band 66 (20MHz)_Body_Top side_CH 132322_QPSK_1-0_16mm

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.346 \text{ S/m}$; $\epsilon_r = 41.184$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.3°C

DASY5 Configuration:

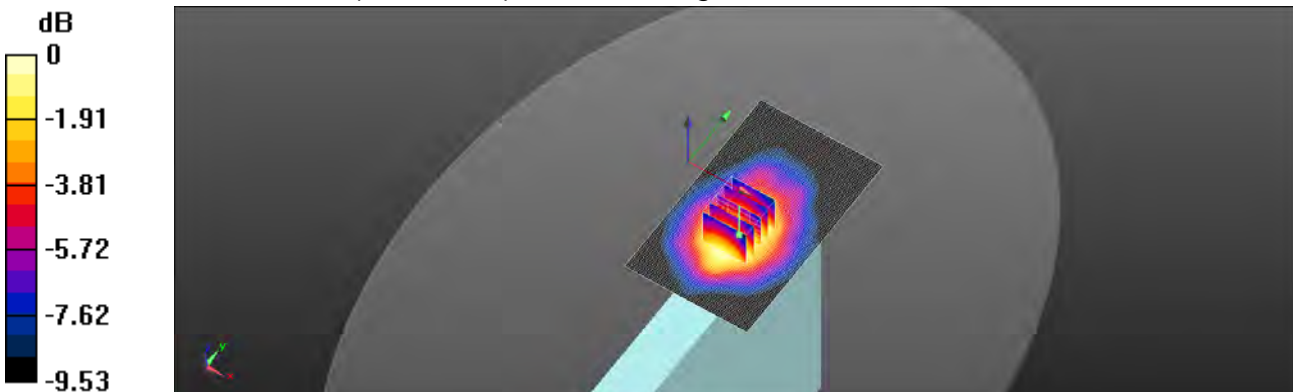
- Probe: EX3DV4 - SN7509; ConvF(8.84, 8.84, 8.84); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x101x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.705 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.891 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.616 W/kg
SAR(1 g) = 0.532 W/kg ; SAR(10 g) = 0.391 W/kg

Maximum value of SAR (measured) = 0.597 W/kg

 $0 \text{ dB} = 0.597 \text{ W/kg} = -2.24 \text{ dBW/kg}$

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Date: 2019/12/29

LTE Band 66 (20MHz)_Body_Top side_CH 132322_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.346 \text{ S/m}$; $\epsilon_r = 41.184$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.84, 8.84, 8.84); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.11 W/kg

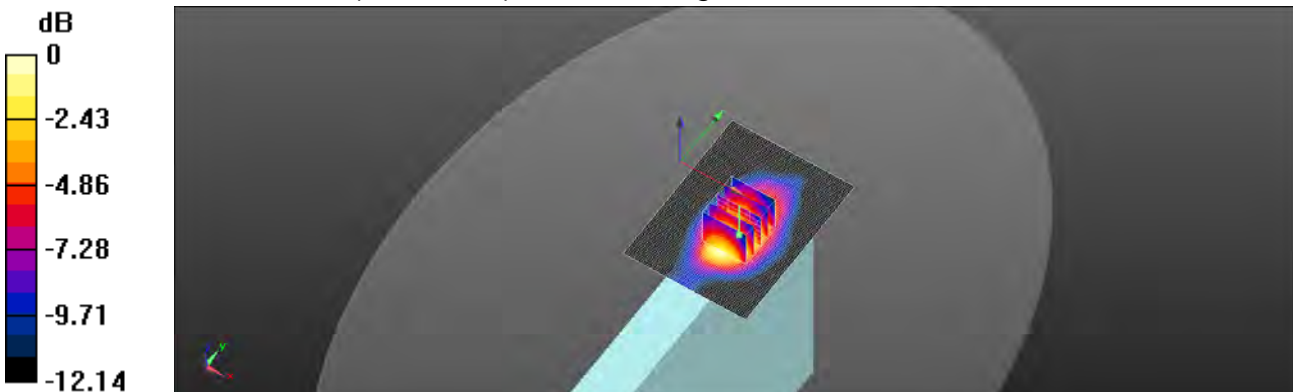
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.260 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.969 W/kg

SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.534 W/kg

Maximum value of SAR (measured) = 0.928 W/kg



0 dB = 0.928 W/kg = -0.33 dBW/kg

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Date: 2019/12/31

WLAN 802.11b_Body_Bottom side_CH 6_0mm_Main

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.747$ S/m; $\epsilon_r = 40.64$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.429 W/kg

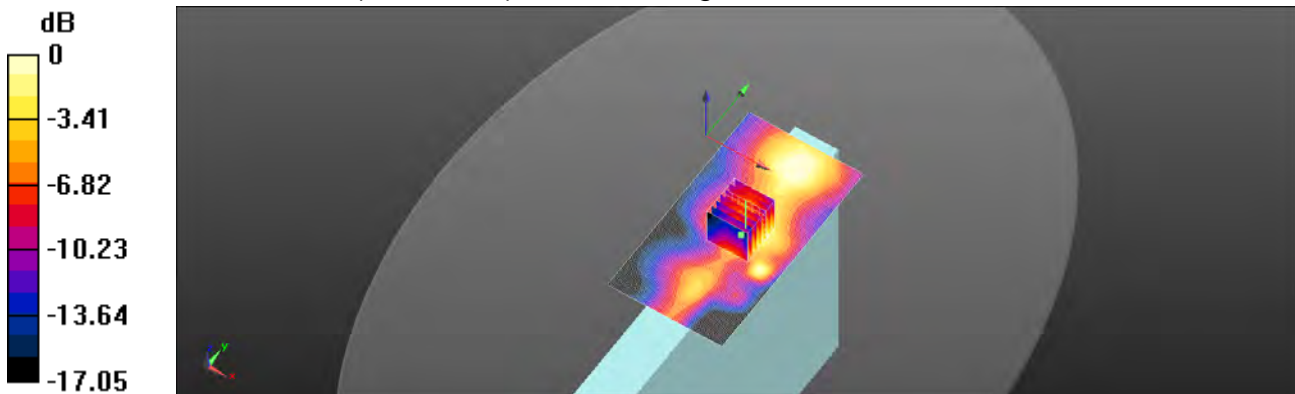
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.449 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.358 W/kg



0 dB = 0.358 W/kg = -4.46 dBW/kg

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Date: 2019/12/31

Bluetooth(GFSK)_Body_Bottom side_CH 39_0mm_Main

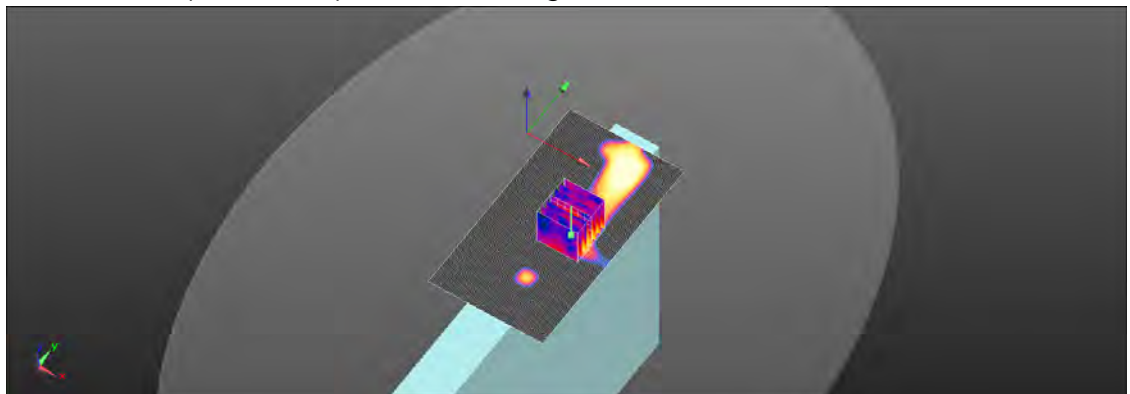
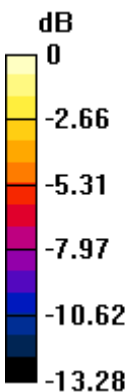
Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2441 \text{ MHz}$; $\sigma = 1.75 \text{ S/m}$; $\epsilon_r = 40.619$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.4°C **DASY5 Configuration:**

- Probe: EX3DV4 - SN7509; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x131x1): Interpolated grid: $dx=12 \text{ mm}$, $dy=12 \text{ mm}$ Maximum value of SAR (interpolated) = 0.0291 W/kg **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 1.304 V/m ; Power Drift = 0.03 dB Peak SAR (extrapolated) = 0.0220 W/kg **SAR(1 g) = 0.017 W/kg ; SAR(10 g) = 0.010 W/kg** Maximum value of SAR (measured) = 0.0208 W/kg  $0 \text{ dB} = 0.0208 \text{ W/kg} = -16.81 \text{ dBW/kg}$

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Date: 2020/1/3

WLAN 802.11ac(80M) 5.2G_Body_Bottom side_CH 42_0mm_Main

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.497 \text{ S/m}$; $\epsilon_r = 36.323$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.46, 5.46, 5.46); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (81x141x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.52 W/kg

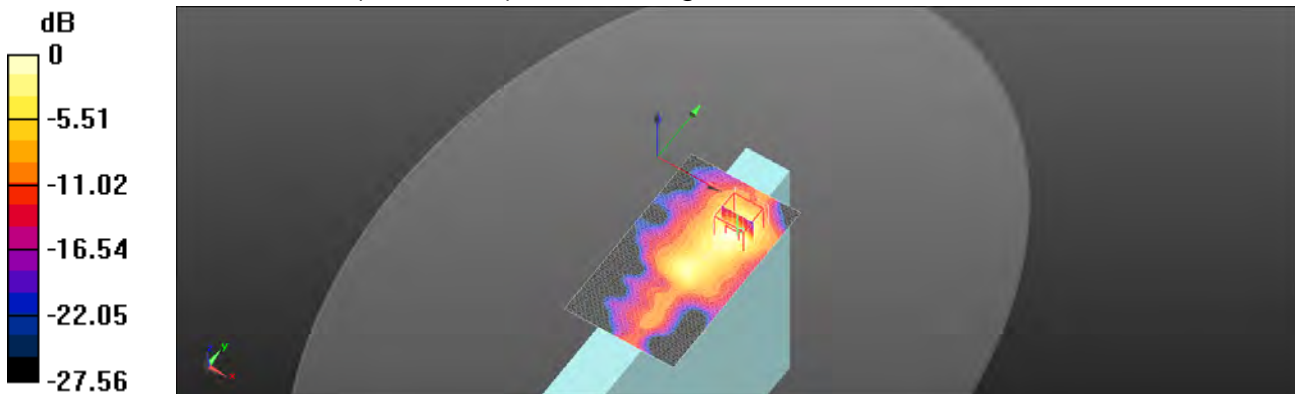
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.170 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

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Date: 2020/1/4

WLAN 802.11ac(80M) 5.3G_Body_Bottom side_CH 58_0mm_Main

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 4.578 \text{ S/m}$; $\epsilon_r = 36.238$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.6°C

DASY5 Configuration:

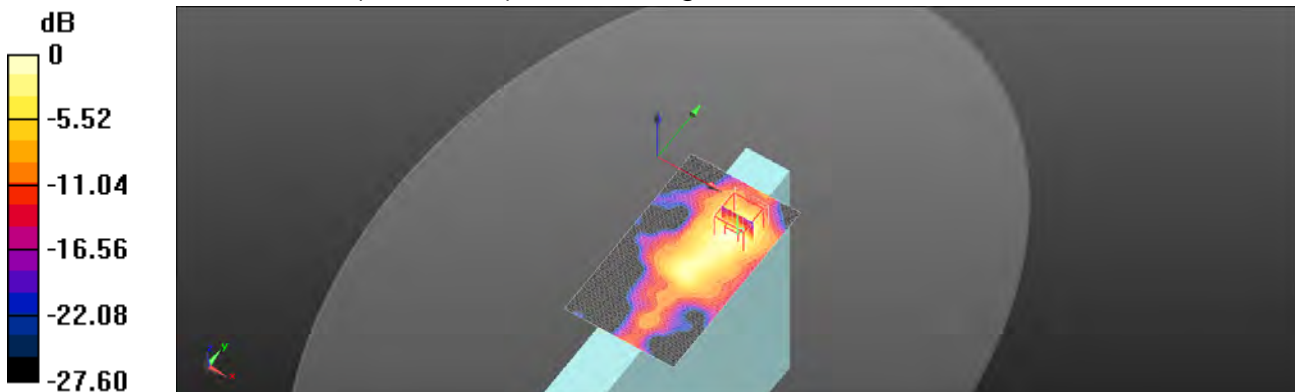
- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (81x141x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 1.34 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.682 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.763 W/kg ; SAR(10 g) = 0.306 W/kg

Maximum value of SAR (measured) = 1.36 W/kg

 $0 \text{ dB} = 1.36 \text{ W/kg} = 1.33 \text{ dBW/kg}$

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Date: 2020/1/5

WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 106_0mm_Main

Communication System: WLAN 5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530$ MHz; $\sigma = 4.813$ S/m; $\epsilon_r = 35.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(4.77, 4.77, 4.77); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (81x141x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.194 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 1.42 W/kg

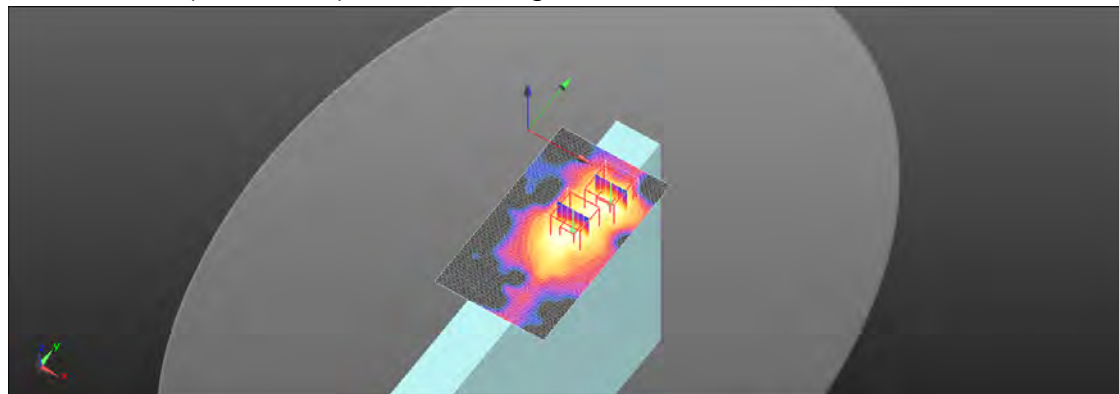
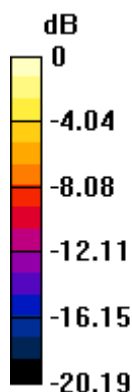
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.194 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.233 W/kg

Maximum value of SAR (measured) = 0.973 W/kg



0 dB = 0.973 W/kg = -0.12 dBW/kg

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Date: 2020/1/6

WLAN 802.11ac(80M) 5.8G_Body_Bottom side_CH 155_0mm_Main

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.057 \text{ S/m}$; $\epsilon_r = 35.684$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.7°C

DASY5 Configuration:

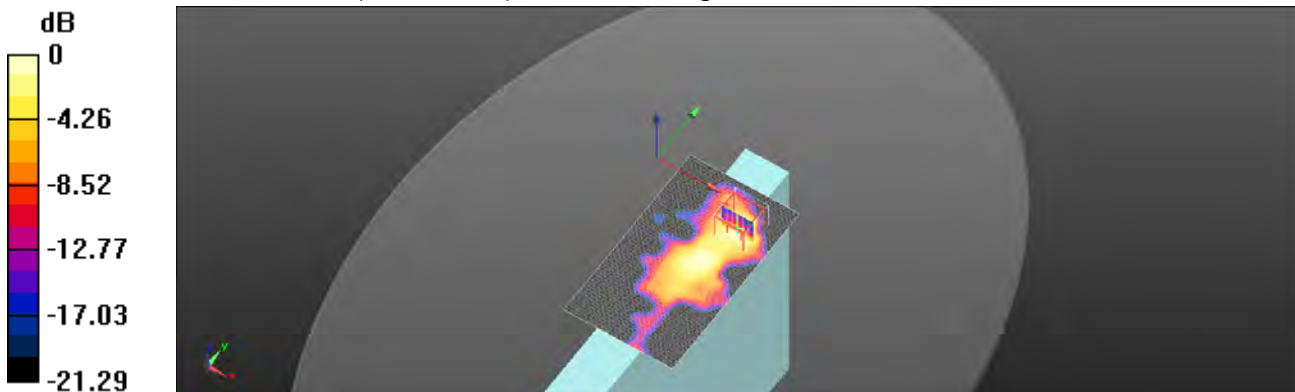
- Probe: EX3DV4 - SN7509; ConvF(4.94, 4.94, 4.94); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (81x141x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.694 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.800 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.687 W/kg
SAR(1 g) = 0.326 W/kg ; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.575 W/kg

 $0 \text{ dB} = 0.575 \text{ W/kg} = -2.40 \text{ dBW/kg}$

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Date: 2019/12/31

WLAN 802.11b_Body_Top side_CH 6_0mm_Aux

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.747 \text{ S/m}$; $\epsilon_r = 40.64$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.4°C

DASY5 Configuration:

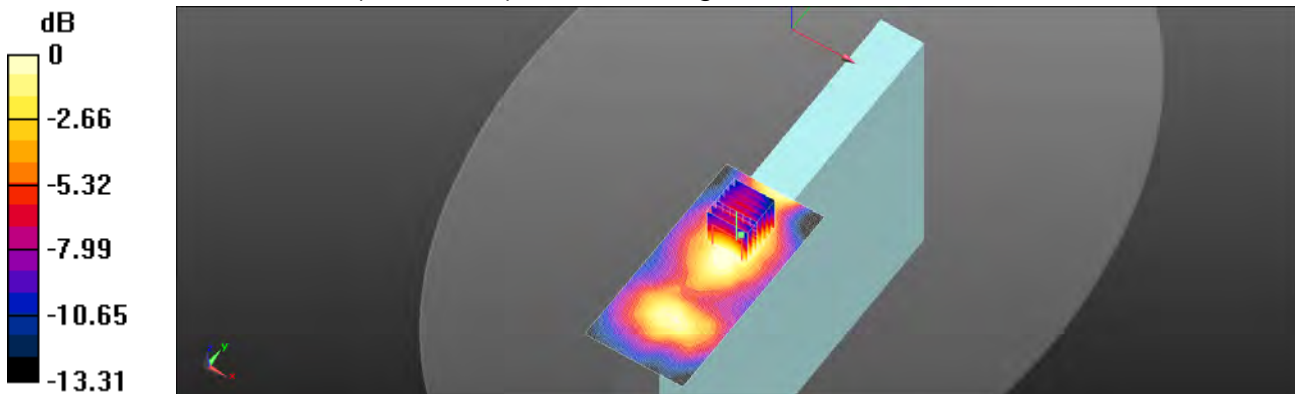
- Probe: EX3DV4 - SN7509; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x131x1): Interpolated grid: $dx=12 \text{ mm}$, $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) = 0.421 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.863 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.402 W/kg
SAR(1 g) = 0.300 W/kg ; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.360 W/kg

 $0 \text{ dB} = 0.360 \text{ W/kg} = -4.43 \text{ dBW/kg}$

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Date: 2020/1/3

WLAN 802.11ac(80M) 5.2G_Body_Back side_CH 42_0mm_Aux

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.497 \text{ S/m}$; $\epsilon_r = 36.323$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.46, 5.46, 5.46); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x121x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.652 W/kg

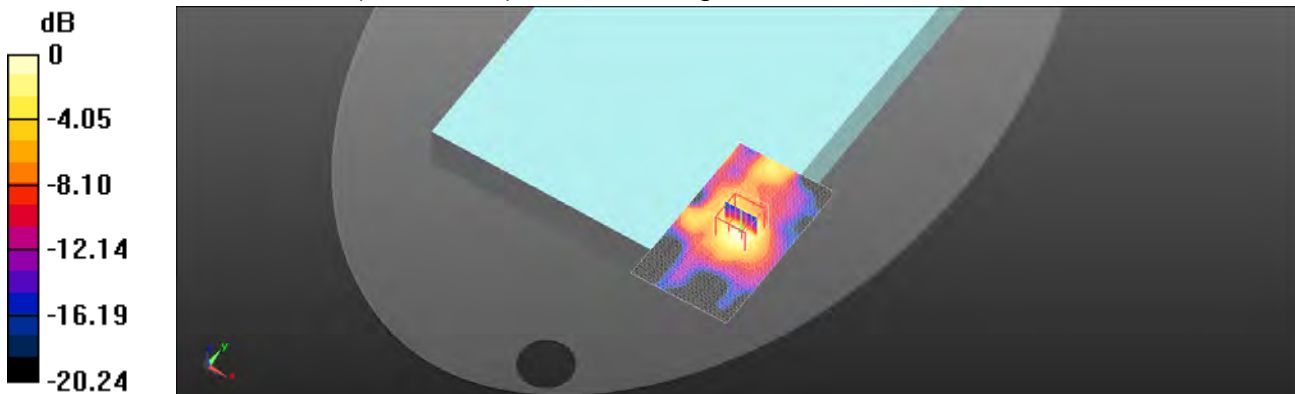
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.264 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.825 W/kg

SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.647 W/kg



0 dB = 0.647 W/kg = -1.89 dBW/kg

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Date: 2020/1/4

WLAN 802.11ac(80M) 5.3G_Body_Back side_CH 58_0mm_Aux

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.578$ S/m; $\epsilon_r = 36.238$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.629 W/kg

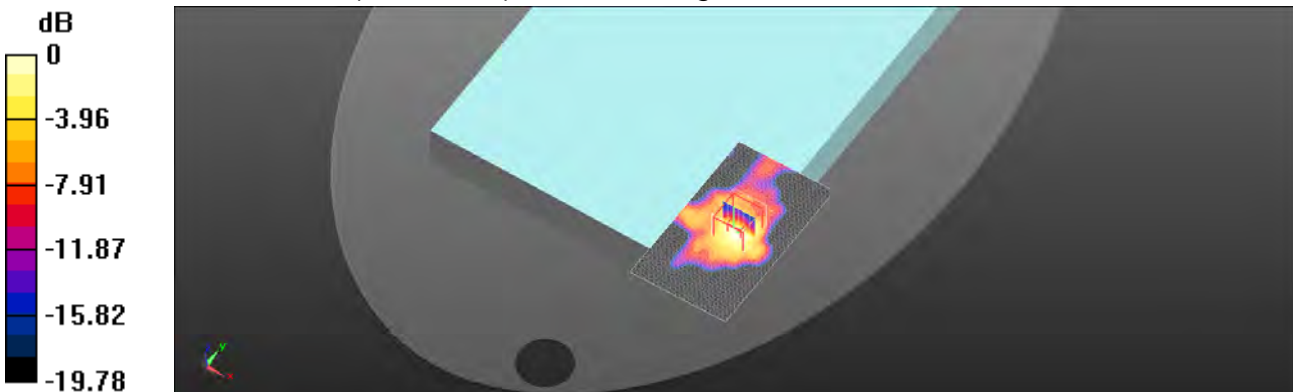
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.077 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.745 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.615 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg

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Date: 2020/1/5

WLAN 802.11ac(80M) 5.6G_Body_Back side_CH 106_0mm_Aux

Communication System: WLAN 5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530$ MHz; $\sigma = 4.813$ S/m; $\epsilon_r = 35.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(4.77, 4.77, 4.77); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.623 W/kg

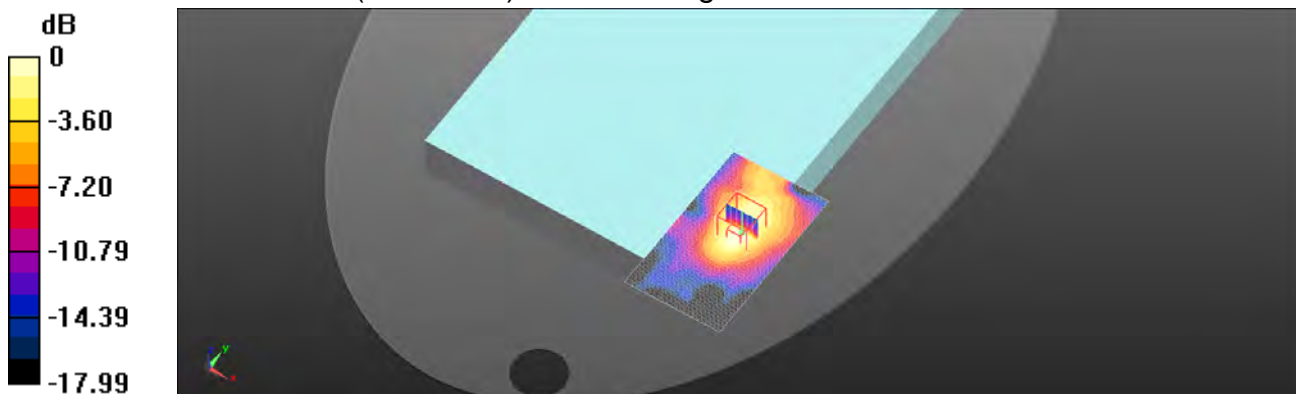
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.986 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.996 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.644 W/kg



0 dB = 0.644 W/kg = -1.91 dBW/kg

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Date: 2020/1/6

WLAN 802.11ac(80M) 5.8G_Body_Back side_CH 155_0mm_Aux

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.057$ S/m; $\epsilon_r = 35.684$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(4.94, 4.94, 4.94); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.455 W/kg

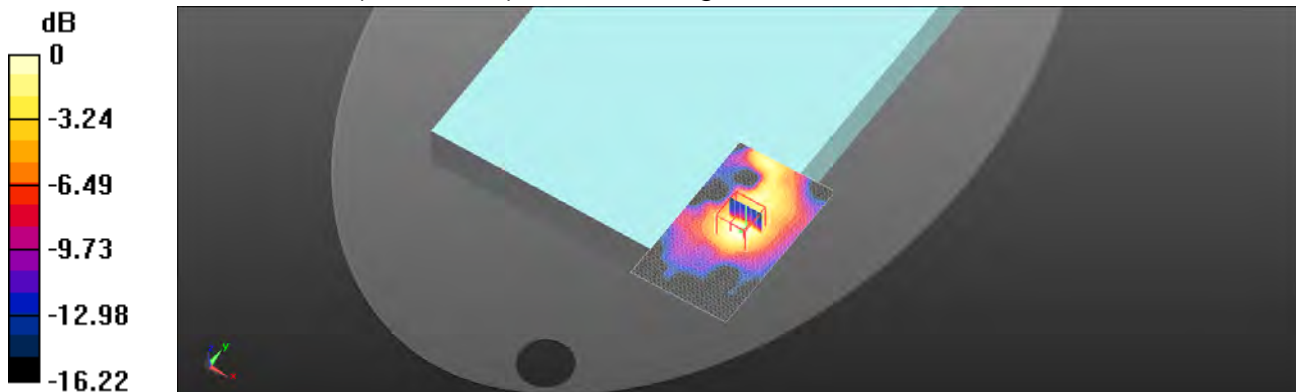
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.678 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.426 W/kg



0 dB = 0.426 W/kg = -3.70 dBW/kg

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6.SAR System Performance Verification

Date: 2019/12/27

Dipole 750 MHz_SN:1015

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

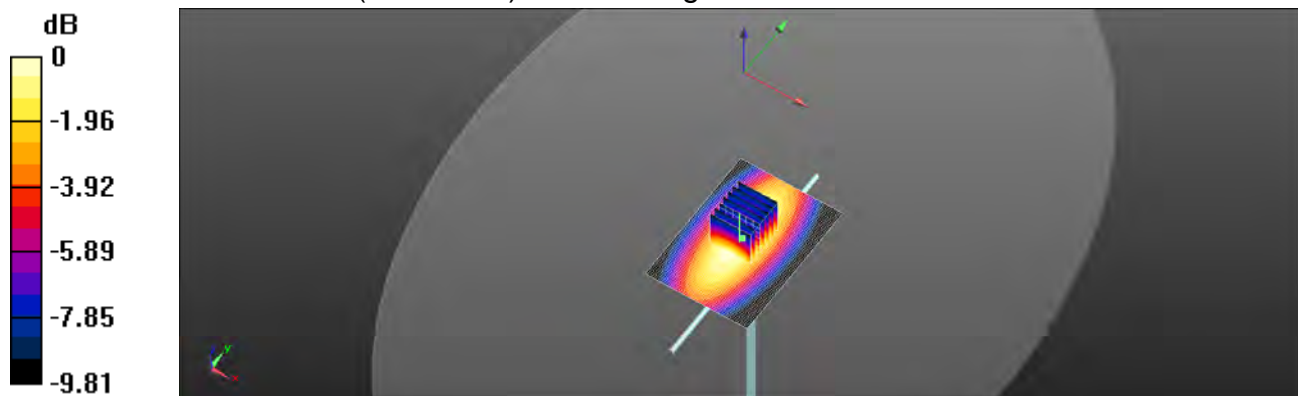
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 42.789$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.41, 10.41, 10.41); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (51x71x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$ Maximum value of SAR (interpolated) = 3.03 W/kg **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 60.02 V/m ; Power Drift = 0.02 dB Peak SAR (extrapolated) = 3.60 W/kg **SAR(1 g) = 2.15 W/kg ; SAR(10 g) = 1.44 W/kg** Maximum value of SAR (measured) = 3.07 W/kg  $0 \text{ dB} = 3.07 \text{ W/kg} = 4.88 \text{ dBW/kg}$

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Date: 2019/12/28

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 42.139$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

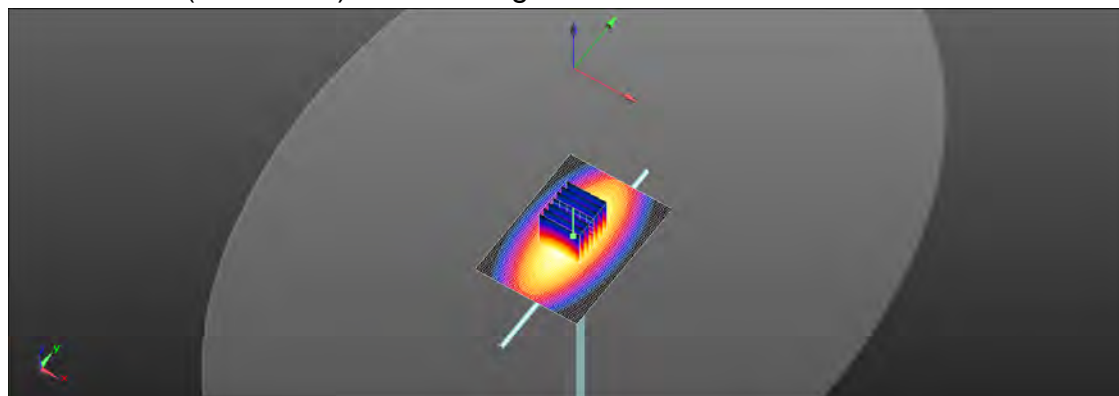
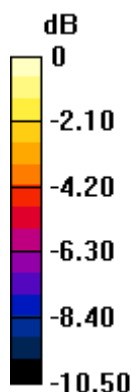
- Probe: EX3DV4 - SN7509; ConvF(10.13, 10.13, 10.13); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (51x71x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 3.36 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 61.27 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.99 W/kg
SAR(1 g) = 2.47 W/kg ; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.41 W/kg

 $0 \text{ dB} = 3.41 \text{ W/kg} = 5.33 \text{ dBW/kg}$

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Date: 2019/12/29

Dipole 1750 MHz_SN:1008

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.35 \text{ S/m}$; $\epsilon_r = 41.154$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.3°C

DASY5 Configuration:

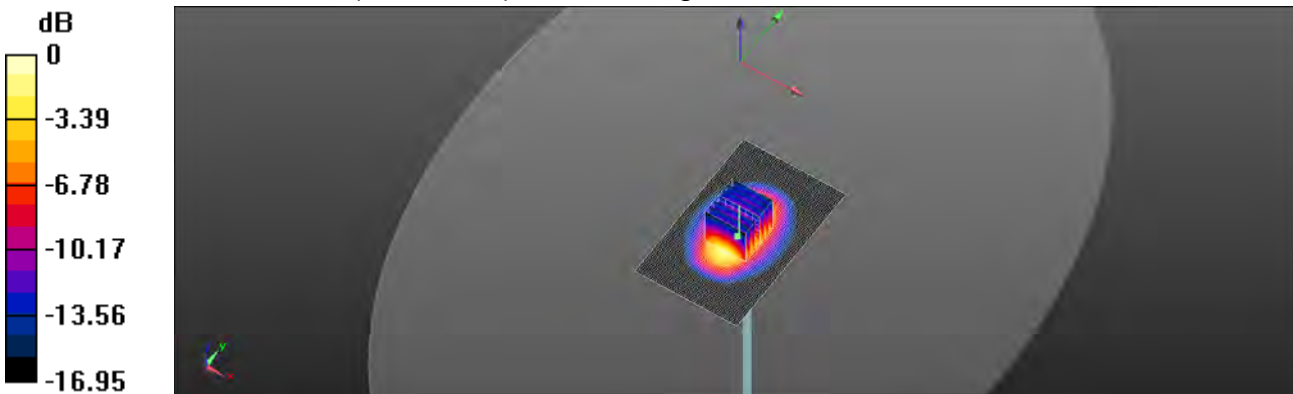
- Probe: EX3DV4 - SN7509; ConvF(8.84, 8.84, 8.84); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (51x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 13.8 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 104.8 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 17.1 W/kg
SAR(1 g) = 9.16 W/kg ; SAR(10 g) = 4.81 W/kg

Maximum value of SAR (measured) = 13.5 W/kg

 $0 \text{ dB} = 13.5 \text{ W/kg} = 11.30 \text{ dBW/kg}$

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Date: 2019/12/30

Dipole 1900 MHz_SN:5d173

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.375 \text{ S/m}$; $\epsilon_r = 41.097$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

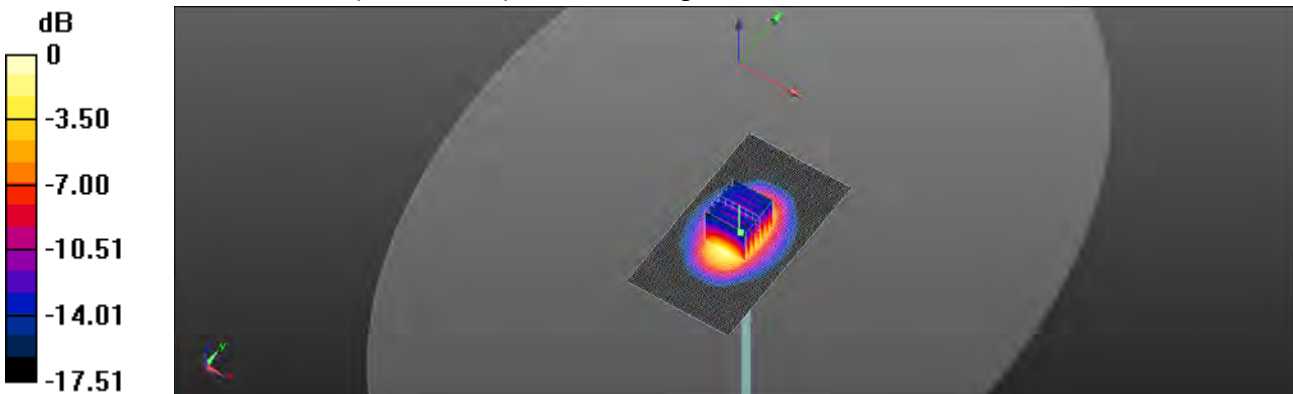
- Probe: EX3DV4 - SN7509; ConvF(8.5, 8.5, 8.5); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (51x91x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 16.4 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 106.5 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 20.2 W/kg
SAR(1 g) = 9.99 W/kg ; SAR(10 g) = 5.27 W/kg

Maximum value of SAR (measured) = 15.7 W/kg

 $0 \text{ dB} = 15.7 \text{ W/kg} = 11.96 \text{ dBW/kg}$

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Date: 2019/12/31

Dipole 2450 MHz_SN:727

Communication System: CW2450; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.759$ S/m; $\epsilon_r = 40.615$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (51x71x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 23.3 W/kg

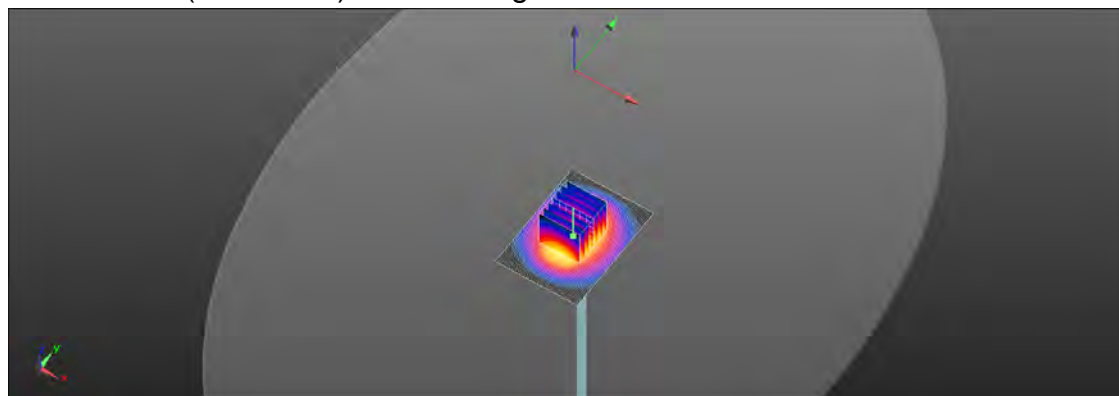
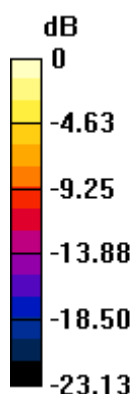
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 107.9 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.22 W/kg

Maximum value of SAR (measured) = 21.0 W/kg



0 dB = 21.0 W/kg = 13.23 dBW/kg

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Date: 2020/1/1

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 40.107$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.7, 7.7, 7.7); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (71x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 20.0 W/kg

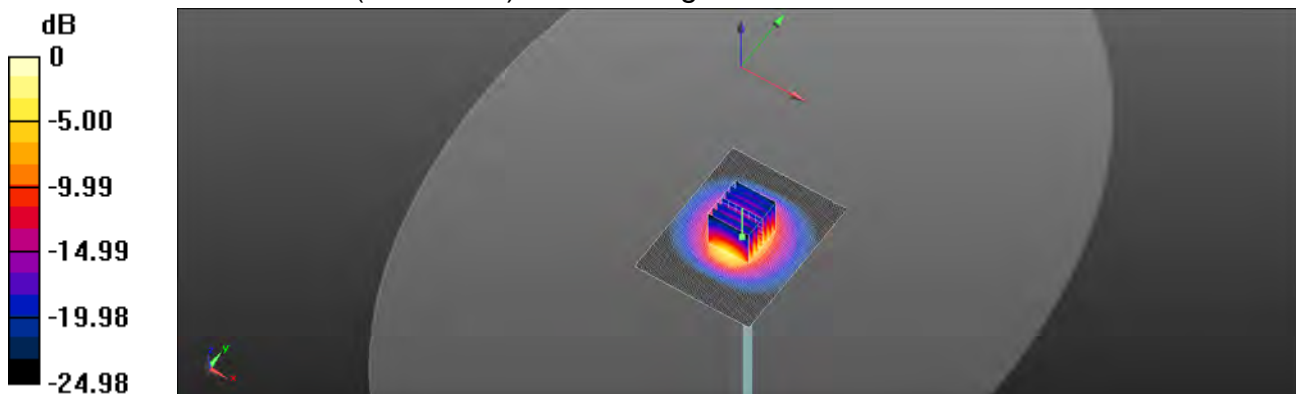
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.05 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.29 W/kg

Maximum value of SAR (measured) = 19.0 W/kg



0 dB = 19.0 W/kg = 12.78 dBW/kg

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Date: 2020/3/12

Dipole 3500 MHz_SN:1009

Communication System: CW; Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500 \text{ MHz}$; $\sigma = 2.849 \text{ S/m}$; $\epsilon_r = 39.153$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C ; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(6.96, 6.96, 6.96); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: $dx=12 \text{ mm}$, $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) = 10.9 W/kg

Zoom Scan (7x7x10)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=4\text{mm}$

Reference Value = 63.58 V/m ; Power Drift = -0.01 dB

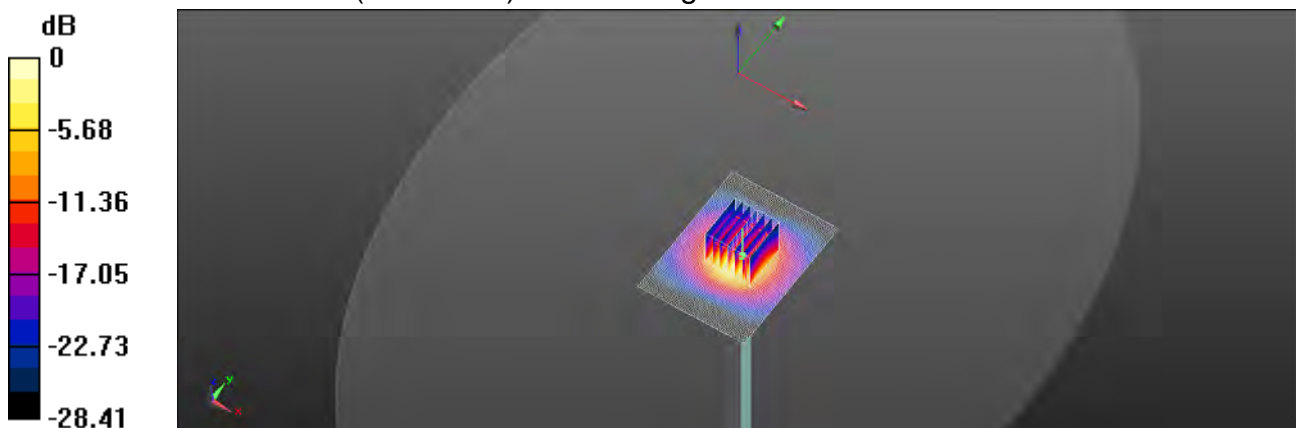
Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 6.43 W/kg ; SAR(10 g) = 2.43 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg = 10.33 dBW/kg

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Date: 2020/3/12

Dipole 3700 MHz_SN:1057

Communication System: CW; Frequency: 3700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3700 \text{ MHz}$; $\sigma = 3.09 \text{ S/m}$; $\epsilon_r = 38.586$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C ; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7, 7, 7); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: $dx=12 \text{ mm}$, $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) = 13.5 W/kg

Zoom Scan (7x7x10)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=4\text{mm}$

Reference Value = 63.74 V/m ; Power Drift = 0.02 dB

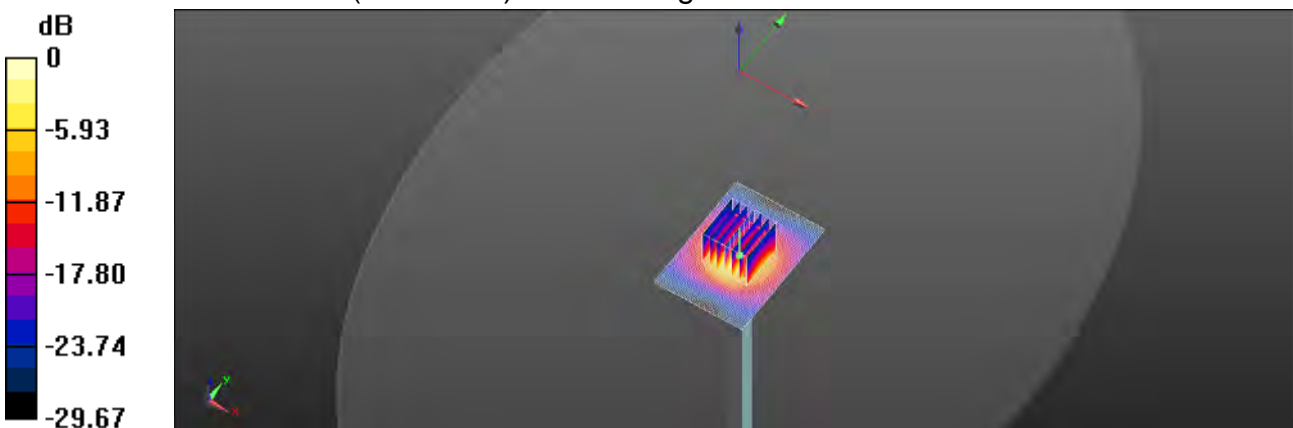
Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 6.68 W/kg ; SAR(10 g) = 2.48 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

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Date: 2020/1/3

Dipole 5200 MHz_SN:1023

Communication System: CW5GHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.486$ S/m; $\epsilon_r = 36.364$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.46, 5.46, 5.46); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 16.7 W/kg

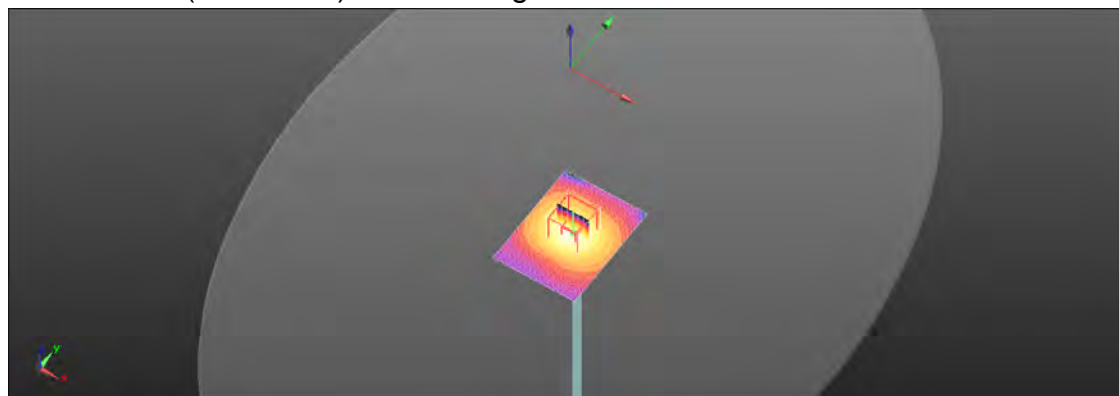
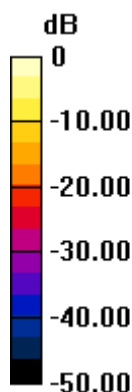
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 61.33 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 16.4 W/kg = 12.16 dBW/kg

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Date: 2020/1/4

Dipole 5300 MHz_SN:1023

Communication System: CW5GHz; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.584$ S/m; $\epsilon_r = 36.234$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.8 W/kg

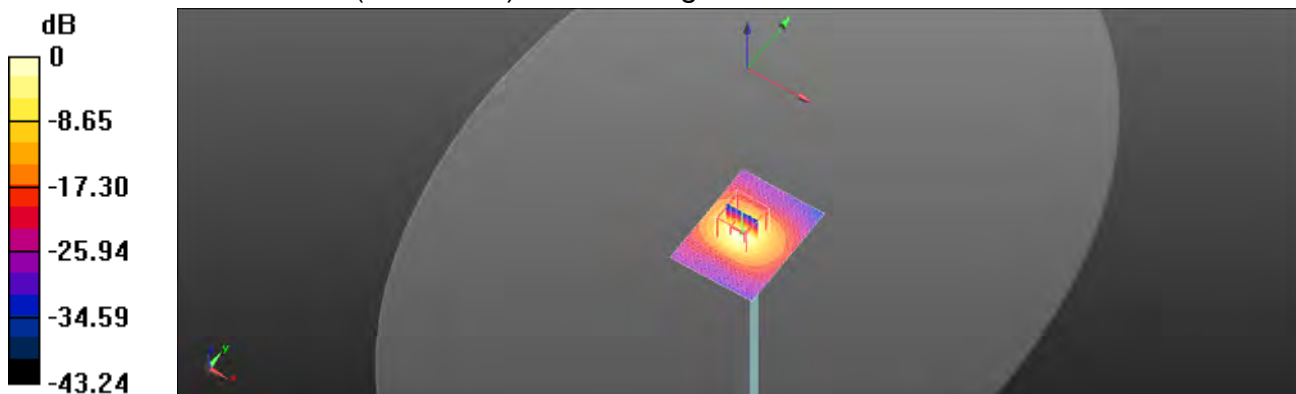
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 61.36 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 39.6 W/kg

SAR(1 g) = 8.26 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.77 dBW/kg

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Date: 2020/1/5

Dipole 5600 MHz_SN:1023

Communication System: CW5GHz; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.882$ S/m; $\epsilon_r = 35.898$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(4.77, 4.77, 4.77); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 18.7 W/kg

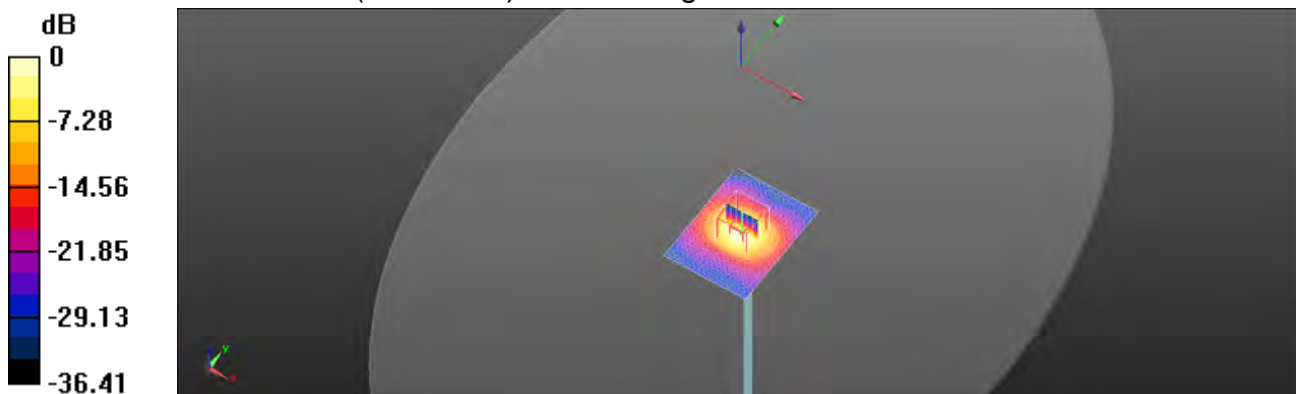
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.94 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 41.4 W/kg

SAR(1 g) = 8.54 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 12.72 dBW/kg

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Date: 2020/1/6

Dipole 5800 MHz_SN:1023

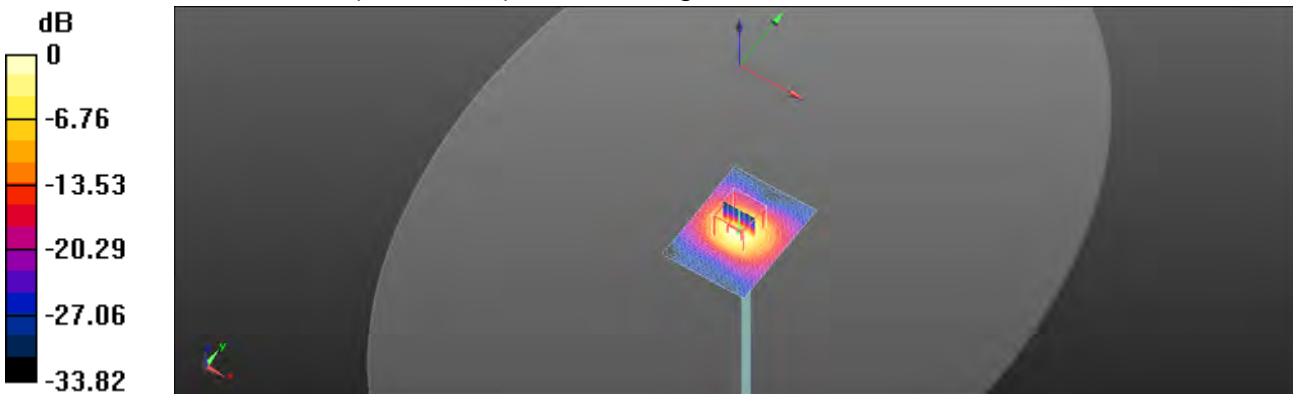
Communication System: CW5GHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.08 \text{ S/m}$; $\epsilon_r = 35.645$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C ; Liquid temperature: 21.7°C **DASY5 Configuration:**

- Probe: EX3DV4 - SN7509; ConvF(4.94, 4.94, 4.94); Calibrated: 2019/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2019/3/22
- Phantom: ELI
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Area Scan (61x81x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$ Maximum value of SAR (interpolated) = 17.7 W/kg **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 62.17 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 39.8 W/kg **SAR(1 g) = 8.03 W/kg ; SAR(10 g) = 2.21 W/kg** Maximum value of SAR (measured) = 17.7 W/kg  $0 \text{ dB} = 17.7 \text{ W/kg} = 12.49 \text{ dBW/kg}$

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7. Uncertainty Budget

Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probabilit y	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	$\sqrt{3}$	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.61%	N	1	1	0.64	0.43	2.31%	1.55%	M
Liquid Conductivity (mea.)	2.97%	N	1	1	0.6	0.49	1.78%	1.46%	M
Combined standard uncertainty		RSS					11.78%	11.60%	
Expan uncertainty (95% confidence)							23.57%	23.21%	

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Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	$h=c * f / e$	$i=c * g / e$	k
Source of Uncertainty	Tolerance/ Uncertainty	Probabilit y	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
Isotropy , Axial	3.50%	R	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
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Probe positioner Mechanical restrictions	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	$\sqrt{3}$	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.23%	N	1	1	0.64	0.43	2.07%	1.39%	M
Liquid Conductivity (mea.)	3.65%	N	1	1	0.6	0.49	2.19%	1.79%	M
Combined standard uncertainty		RSS					12.10%	11.92%	
Expant uncertainty (95% confidence)							24.19%	23.85%	

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Appendixes

Refer to separated files for the following appendixes.

EN2019C0011 SAR_Appendix A Photographs

EN2019C0011 SAR_Appendix B DAE & Probe Cal. Certificate

EN2019C0011 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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