SAR TEST REPORT

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

Equipment Under Test	LTE module
Brand Name	Fibocom
Model No.	L850-GL
Company Name	Fibocom Wireless Inc.
Company Address	5/F,Tower A,Technology Building II,1057 Nanhai Blvd, Navshanm Shenshen, China
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	ZMOL850GLD-D2
Date of Receipt	Sep. 03, 2020 (Report No.: EN/2020/80008) Jun. 02, 2021 (Report No.: EN/2021/40020)
Date of Test(s)	Sep. 08, 2020 ~ Oct. 03, 2020 (Report No.: EN/2020/80008) May. 05, 2021 ~ May. 14, 2021 (Report No.: EN/2021/40020)
Date of Issue	Jul. 13, 2021

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 / Ruby Ou	Supervisor / Afu Chen	Asst. Manager / John Yeh
Ruby Ou	afu Chen	John Yeh

Date: Jul. 13, 2021

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Revision History

Report Number	Revision	Description	Issue Date
EN/2021/40021	Rev.00	Initial creation of document	Jul. 13, 2021

Note:

1. Measurement results in the original test report EN/2020/80008 and EN/2021/40020 are partially leveraged in this test report EN/2021/40021.

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Contents

0.Guidance applied 4
1. General Information 5
1.1 Testing Laboratory 5
1.2 Details of Applicant 5
1.3 Description of EUT 6
1.3.1 LTE Downlink CA specification 138
1.4 Test Environment 143
1.5 Operation Description 143
1.6 Proximity sensor operation description 151
1.7 The SAR Measurement System 159
1.8 System Components 161
1.9 SAR System Verification 163
1.10 Tissue Simulant Fluid for the Frequency Band 166
1.11 Evaluation Procedures 172
1.12 Probe Calibration Procedures 173
1.13 Test Standards and Limits 176
2. Summary of Results 178
2.1 Decision rules 178
2.2 Summary of Results 178
2.3 Reporting statements of conformity 209
3. Simultaneous Transmission Analysis 210
3.1 Estimated SAR calculation 211
3.2 SPLSR evaluation and analysis 211
4. Instruments List 227
5. Measurements 230
6. SAR System Performance Verification 290
7. Uncertainty Budget 320
Appendixes 322
EN202140021 SAR_Appendix A Photographs 322
EN202140021 SAR_Appendix B DAE & Probe Cal. Certificate 322
EN202140021 SAR_Appendix C Phantom Description & Dipole Cal. Certificate 322

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0. Guidance applied

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992
IEEE 1528-2013
KDB616217D04v01r02
KDB865664D01v01r04
KDB865664D02v01r02
KDB941225D01v03r01
KDB941225D05v02r05
KDB941225D05Av01r02
KDB447498D01v06
KDB248227D01v02r02

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1. General Information

1.1 Testing Laboratory

SGS Taiwan Ltd. Central RF Lab	
1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, Neihu District, Taipei City, 11493, Taiwan.	
FCC Designation Number	TW0029
Tel	+886-2-2299-3279
Fax	+886-2-2298-0488
Internet	http://www.tw.sgs.com/

1.2 Details of Applicant

Company Name	Fibocom Wireless Inc.
Company Address	5/F,Tower A,Technology Building II,1057 Nanhai Blvd, Navshanm Shenshen, China

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1.3 Description of EUT

Equipment Under Test	Portable Computer	
Brand Name	DELL	
Model No.	P139G	
FCC ID	ZMOL850GLD-D2	
Integrated Module	WLAN	Brand Name : Realtek Model Name : RTL8822CE
	WLAN	Brand Name : Intel Model Name : AX210NGW
	WWAN	Brand Name : Fibocom Model Name : L850-GL
Mode of Operation	☒WCDMA ☒HSDPA ☒HSUPA ☒HSPA+ ☒DC-HSDPA ☒LTE FDD ☒LTE TDD ☒WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M/160M) ☒Bluetooth	
Duty Cycle	WCDMA	100%
	LTE FDD	100%
	LTE TDD	63.3%
	WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M/160M)	Refer to page 132-136
	Bluetooth	70.1%
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 17	704	—	716
	LTE FDD Band 26	814	—	849
	LTE FDD Band 30	2305	—	2315
	LTE TDD Band 38	2570	—	2620
	LTE TDD Band 41	2496	—	2690
	LTE FDD Band 66	1710	—	1780
	WLAN802.11 b/g/n/ax(20M)	2412	—	2472
	WLAN802.11 n/ax(40M)	2422	—	2462
	WLAN802.11 a/n/ac/ax(20M) 5.2G	5180	—	5240
	WLAN802.11 n/ac/ax(40M) 5.2G	5190	—	5230
	WLAN802.11 ac/ax(80M) 5.2G		5210	
	WLAN802.11 ac/ax(160M) 5.2G		5250	
	WLAN802.11 a/n/ac/ax(20M) 5.3G	5260	—	5320
	WLAN802.11 n/ac/ax(40M) 5.3G	5270	—	5310
	WLAN802.11 ac/ax(80M) 5.3G		5290	
	WLAN802.11 a/n/ac/ax(20M) 5.6G	5500	—	5720
	WLAN802.11 n/ac/ax(40M) 5.6G	5510	—	5710
	WLAN802.11 ac/ax(80M) 5.6G	5530	—	5690
	WLAN802.11 ac/ax(160M) 5.6G		5570	
	WLAN802.11 a/n/ac/ax(20M) 5.8G	5745	—	5825
	WLAN802.11 n/ac/ax(40M) 5.8G	5755	—	5795
	WLAN802.11 ac/ax(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

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Channel Number (ARFCN)	LTE FDD Band 2	18607	—	19193
	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 17	23755	—	23825
	LTE FDD Band 26	26697	—	27033
	LTE FDD Band 30	27685	—	27735
	LTE TDD Band 38	37775	—	38225
	LTE TDD Band 41	39675	—	41565
	LTE FDD Band 66	131979	—	132665
	WLAN802.11 b/g/n/ax(20M)	1	—	13
	WLAN802.11 n/ax(40M)	3	—	11
	WLAN802.11 a/n/ac/ax(20M) 5.2G	36	—	48
	WLAN802.11 n/ac/ax(40M) 5.2G	38	—	46
	WLAN802.11 ac/ax(80M) 5.2G		42	
	WLAN802.11 ac/ax(160M) 5.2G		50	
	WLAN802.11 a/n/ac/ax(20M) 5.3G	52	—	64
	WLAN802.11 n/ac/ax(40M) 5.3G	54	—	62
	WLAN802.11 ac/ax(80M) 5.3G	58		
	WLAN802.11 a/n/ac/ax(20M) 5.6G	100	—	144
	WLAN802.11 n/ac/ax(40M) 5.6G	102	—	142
	WLAN802.11 ac/ax(80M) 5.6G	106	—	138
	WLAN802.11 ac/ax(160M) 5.6G		114	
	WLAN802.11 a/n/ac/ax(20M) 5.8G	149	—	165
	WLAN802.11 n/ac/ax(40M) 5.8G	151	—	159
	WLAN802.11 ac/ax(80M) 5.8G		155	
	Bluetooth	0	—	78

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Report No.: EN/2020/80008

Tablet mode

HONG-BO

Max. SAR (1 g) (Unit: W/Kg)				
Band	Measured	Reported	Channel	Position
WCDMA Band II	0.34	0.34	9538	Top side
WCDMA Band IV	0.80	0.81	1312	Top side
WCDMA Band V	1.00	1.00	4183	Top side
LTE FDD Band 2	0.57	0.57	18700	Top side
LTE FDD Band 5	0.84	0.92	20600	Top side
LTE FDD Band 7	0.45	0.49	21350	Top side
LTE FDD Band 12	0.72	0.98	23130	Top side
LTE FDD Band 13	1.10	1.14	23230	Top side
LTE FDD Band 26	1.12	1.19	26965	Top side
LTE FDD Band 30	0.55	0.57	27710	Top side
LTE TDD Band 38	0.69	0.69	38150	Top side
LTE TDD Band 41	0.63	0.83	41055	Top side
LTE FDD Band 66	0.76	0.76	132572	Top side

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WNC

Max. SAR (1 g) (Unit: W/Kg)				
Band	Measured	Reported	Channel	Position
WCDMA Band II	0.65	0.65	9538	Top side
WCDMA Band IV	0.94	0.94	1312	Top side
WCDMA Band V	0.95	0.95	4183	Top side
LTE FDD Band 2	0.75	0.75	18700	Top side
LTE FDD Band 5	1.11	1.17	20600	Top side
LTE FDD Band 7	0.82	0.90	21350	Top side
LTE FDD Band 12	0.79	0.94	23060	Top side
LTE FDD Band 13	1.07	1.11	23230	Top side
LTE FDD Band 26	1.03	1.15	26865	Top side
LTE FDD Band 30	0.15	0.16	27710	Back side
LTE TDD Band 38	0.64	0.64	38150	Top side
LTE TDD Band 41	0.73	0.74	41055	Top side
LTE FDD Band 66	0.92	1.01	132072	Top side

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Report No.: EN/2021/40020

Tablet mode

HONG-BO

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Main	WLAN 802.11b	0.37	0.38	6	Top Edge
	WLAN 802.11n(40M) 5.2G	0.16	0.17	38	Left Edge
	WLAN 802.11n(40M) 5.3G	0.26	0.27	54	Left Edge
	WLAN 802.11ac(80M) 5.6G	0.26	0.27	138	Top Edge
	WLAN 802.11ac(80M) 5.8G	0.25	0.27	155	Top Edge
Aux	WLAN 802.11b	0.65	0.66	1	Back Surface
	Bluetooth(GFSK)	0.01	0.02	0	Back Surface
	WLAN 802.11ac(80M) 5.2G	0.14	0.15	42	Back Surface
	WLAN 802.11ac(80M) 5.3G	0.08	0.09	58	Back Surface
	WLAN 802.11ac(80M) 5.6G	0.13	0.14	138	Back Surface
	WLAN 802.11ac(80M) 5.8G	0.09	0.10	155	Back Surface

WNC

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Main	WLAN 802.11b	0.85	0.87	6	Left Edge
	WLAN 802.11n(40M) 5.2G	0.17	0.17	38	Left Edge
	WLAN 802.11n(40M) 5.3G	0.30	0.31	54	Left Edge
	WLAN 802.11ac(80M) 5.6G	0.33	0.35	138	Top Edge
	WLAN 802.11ac(80M) 5.8G	0.32	0.34	155	Top Edge
Aux	WLAN 802.11b	0.78	0.79	1	Back Surface
	Bluetooth(GFSK)	0.04	0.08	0	Back Surface
	WLAN 802.11ac(80M) 5.2G	0.36	0.39	42	Back Surface
	WLAN 802.11ac(80M) 5.3G	0.20	0.22	58	Back Surface
	WLAN 802.11ac(80M) 5.6G	0.35	0.38	138	Back Surface
	WLAN 802.11ac(80M) 5.8G	0.14	0.16	155	Back Surface

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Notebook mode

HONG-BO

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Aux	WLAN 802.11b	0.44	0.45	6	Bottom Surface
	Bluetooth(GFSK)	0.04	0.08	0	Bottom Surface
	WLAN 802.11ac(80M) 5.2G	0.09	0.09	42	Bottom Surface
	WLAN 802.11ac(80M) 5.3G	0.06	0.07	58	Bottom Surface
	WLAN 802.11ac(80M) 5.6G	0.30	0.33	138	Bottom Surface
	WLAN 802.11ac(80M) 5.8G	0.20	0.22	155	Bottom Surface

WNC

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Aux	WLAN 802.11b	0.68	0.69	6	Bottom Surface
	Bluetooth(GFSK)	0.01	0.02	0	Bottom Surface
	WLAN 802.11ac(80M) 5.2G	0.21	0.23	42	Bottom Surface
	WLAN 802.11ac(80M) 5.3G	0.11	0.12	58	Bottom Surface
	WLAN 802.11ac(80M) 5.6G	0.45	0.49	138	Bottom Surface
	WLAN 802.11ac(80M) 5.8G	0.22	0.24	155	Bottom Surface

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Antenna Information

Report No.: EN/2021/40020

WLAN

Notebook mode										
Vendor	HONG-BO									
Antenna	Main (PIFA)					Aux (PIFA)				
Part Number	025.901RE.0001(260-29062)					025.901RF.0001(260-29063)				
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	-0.79	-3.40	-3.54	-3.43	-3.34	0.31	-2.99	-2.47	-4.31	-4.59
Vendor	WNC									
Antenna	Main (PIFA)					Aux (PIFA)				
Part Number	025.901RE.0011(81ELAW15.G20)					025.901RF.0011(81EABG15.G08)				
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	1.41	-0.40	-0.52	0.07	0.07	-0.07	0.46	0.57	2.78	3.21

Tablet mode										
Vendor	HONG-BO									
Antenna	Main (PIFA)					Aux (PIFA)				
Part Number	025.901RE.0001(260-29062)					025.901RF.0001(260-29063)				
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	-3.11	-3.71	-3.87	-3.77	-3.51	-5.06	-4.67	-4.58	-5.25	-5.07
Vendor	WNC									
Antenna	Main (PIFA)					Aux (PIFA)				
Part Number	025.901RE.0011(81ELAW15.G20)					025.901RF.0011(81EABG15.G08)				
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	-0.36	-3.05	-2.54	-1.91	-1.98	-3.07	2.19	2.75	2.92	2.78

Report No.: EN/2020/80008

WWAN

Vendor	WNC						
Antenna	WWAN Main						
Part Number	025.901RE.0011(81ELAW15.G20)						
Frequency	699~716	777~787	814~849	1710~1780	1850~1910	2305~2315	2496~2690
Gain (dBi)	-1.70	-1.99	-0.87	-0.31	0.25	3.21	1.13
Vendor	HB						
Antenna	WWAN Main						
Part Number	025.901RE.0001(260 2 9062)						
Frequency	699~716	777~787	814~849	1710~1780	1850~1910	2305~2315	2496~2690
Gain (dBi)	-1.74	-3.31	-1.87	-2.67	0.23	1.31	-1.00

Tablet mode							
Vendor	WNC						
Antenna	WWAN Main						
Part Number	025.901RE.0011(81ELAW15.G20)						
Frequency	699~716	777~787	814~849	1710~1780	1850~1910	2305~2315	2496~2690
Gain (dBi)	-2.19	-2.90	-2.86	-0.84	0.14	0.71	-0.47
Vendor	HB						
Antenna	WWAN Main						
Part Number	025.901RE.0001(260 2 9062)						
Frequency	699~716	777~787	814~849	1710~1780	1850~1910	2305~2315	2496~2690
Gain (dBi)	-1.56	-4.32	-5.06	-2.50	-1.14	-0.19	-1.37

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Report No.: EN/2020/80008

WCDMA Band II / Band IV / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA 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)		**24.50**		
3GPP Rel 99	RMC 12.2Kbps	23.65	23.64	23.76
3GPP Rel 5	HSDPA Subtest-1	23.38	23.47	23.61
	HSDPA Subtest-2	22.39	22.47	22.61
	HSDPA Subtest-3	21.90	21.94	22.11
	HSDPA Subtest-4	21.68	21.71	21.81
3GPP Rel 6	HSUPA Subtest-1	22.93	23.02	23.11
	HSUPA Subtest-2	23.43	23.44	23.62
	HSUPA Subtest-3	21.91	21.97	22.13
	HSUPA Subtest-4	23.33	23.44	23.63
	HSUPA Subtest-5	22.37	22.48	22.62
3GPP Rel 7	HSPA+	23.23	23.24	23.38
3GPP Rel 8	DC-HSDPA Subtest-1	23.27	23.28	23.50
	DC-HSDPA Subtest-2	22.29	22.38	22.47
	DC-HSDPA Subtest-3	21.67	21.83	21.94
	DC-HSDPA Subtest-4	21.53	21.60	21.72
Band		WCDMA IV		
TX Channel		1312	1412	1513
Frequency (MHz)		1712.4	1732.4	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**24.50**		
3GPP Rel 99	RMC 12.2Kbps	23.36	23.35	23.54
3GPP Rel 5	HSDPA Subtest-1	22.71	23.13	23.45
	HSDPA Subtest-2	22.16	22.17	22.41
	HSDPA Subtest-3	21.71	21.66	21.91
	HSDPA Subtest-4	21.48	21.41	21.65
3GPP Rel 6	HSUPA Subtest-1	22.73	22.75	22.96
	HSUPA Subtest-2	23.24	23.21	23.49
	HSUPA Subtest-3	21.70	21.71	21.95
	HSUPA Subtest-4	23.20	23.24	23.49
	HSUPA Subtest-5	22.22	22.25	22.47
3GPP Rel 7	HSPA+	22.64	23.07	23.30
3GPP Rel 8	DC-HSDPA Subtest-1	22.50	23.03	23.30
	DC-HSDPA Subtest-2	22.08	22.01	22.29
	DC-HSDPA Subtest-3	21.59	21.61	21.74
	DC-HSDPA Subtest-4	21.29	21.26	21.44
Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**24.50**		
3GPP Rel 99	RMC 12.2Kbps	23.92	23.97	23.84
3GPP Rel 5	HSDPA Subtest-1	23.49	23.81	23.69
	HSDPA Subtest-2	22.58	23.39	22.84
	HSDPA Subtest-3	22.11	22.93	22.35
	HSDPA Subtest-4	21.86	22.69	22.11
3GPP Rel 6	HSUPA Subtest-1	22.96	23.79	23.32
	HSUPA Subtest-2	23.43	23.80	23.82
	HSUPA Subtest-3	22.00	22.83	22.32
	HSUPA Subtest-4	23.45	23.80	23.80
	HSUPA Subtest-5	22.50	23.37	22.82
3GPP Rel 7	HSPA+	23.25	23.62	23.45
3GPP Rel 8	DC-HSDPA Subtest-1	23.43	23.63	23.53
	DC-HSDPA Subtest-2	22.47	23.15	22.65
	DC-HSDPA Subtest-3	21.97	22.74	22.30
	DC-HSDPA Subtest-4	21.70	22.48	22.06

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WCDMA Band II / Band IV / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA 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)		**21.00**		
3GPP Rel 99	RMC 12.2Kbps	20.97	20.99	21.00
3GPP Rel 5	HSDPA Subtest-1	20.94	20.81	20.75
	HSDPA Subtest-2	19.96	19.85	19.81
	HSDPA Subtest-3	19.66	19.57	19.52
	HSDPA Subtest-4	19.60	19.52	19.42
3GPP Rel 6	HSUPA Subtest-1	20.01	19.92	19.96
	HSUPA Subtest-2	20.39	20.30	20.23
	HSUPA Subtest-3	19.66	19.54	19.48
	HSUPA Subtest-4	20.84	20.83	20.77
	HSUPA Subtest-5	19.78	19.76	19.73
3GPP Rel 7	HSPA+	20.72	20.57	20.64
3GPP Rel 8	DC-HSDPA Subtest-1	20.80	20.63	20.63
	DC-HSDPA Subtest-2	19.81	19.74	19.63
	DC-HSDPA Subtest-3	19.48	19.34	19.41
	DC-HSDPA Subtest-4	19.37	19.43	19.33
Band		WCDMA IV		
TX Channel		1312	1412	1513
Frequency (MHz)		1712.4	1732.4	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**20.00**		
3GPP Rel 99	RMC 12.2Kbps	19.99	19.92	19.96
3GPP Rel 5	HSDPA Subtest-1	19.83	19.82	19.93
	HSDPA Subtest-2	18.88	18.92	19.01
	HSDPA Subtest-3	18.49	18.61	18.70
	HSDPA Subtest-4	18.44	18.53	18.62
3GPP Rel 6	HSUPA Subtest-1	18.95	18.99	19.06
	HSUPA Subtest-2	19.33	19.32	19.48
	HSUPA Subtest-3	18.57	18.58	18.69
	HSUPA Subtest-4	19.85	19.86	19.95
	HSUPA Subtest-5	18.79	18.81	18.88
3GPP Rel 7	HSPA+	19.70	19.62	19.85
3GPP Rel 8	DC-HSDPA Subtest-1	19.62	19.59	19.87
	DC-HSDPA Subtest-2	18.66	18.83	18.83
	DC-HSDPA Subtest-3	18.27	18.44	18.51
	DC-HSDPA Subtest-4	18.39	18.35	18.45
Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**21.00**		
3GPP Rel 99	RMC 12.2Kbps	20.96	21.00	20.97
3GPP Rel 5	HSDPA Subtest-1	20.88	20.90	20.94
	HSDPA Subtest-2	19.94	19.99	20.03
	HSDPA Subtest-3	19.65	19.70	19.70
	HSDPA Subtest-4	19.57	19.67	19.63
3GPP Rel 6	HSUPA Subtest-1	20.00	20.04	20.07
	HSUPA Subtest-2	20.37	20.39	20.42
	HSUPA Subtest-3	19.60	19.64	19.69
	HSUPA Subtest-4	20.87	20.88	20.92
	HSUPA Subtest-5	19.78	19.85	19.89
3GPP Rel 7	HSPA+	20.78	20.84	20.79
3GPP Rel 8	DC-HSDPA Subtest-1	20.72	20.66	20.80
	DC-HSDPA Subtest-2	19.87	19.75	19.81
	DC-HSDPA Subtest-3	19.41	19.56	19.49
	DC-HSDPA Subtest-4	19.37	19.61	19.53

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Sub-Test for HSDPA

SUB-TEST	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{HS} *(Note1, 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} *(Note1)*	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	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 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 26 / Band 30 / Band 66 power table (Full power):

FDD Band 2								
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	23.64	24	0
				1880	18900	23.78	24	0
				1900	19100	23.65	24	0
			50	1860	18700	23.47	24	0
				1880	18900	23.66	24	0
				1900	19100	23.58	24	0
			99	1860	18700	23.59	24	0
				1880	18900	23.64	24	0
				1900	19100	23.53	24	0
		50 RB	0	1860	18700	22.58	23	0-1
				1880	18900	22.77	23	0-1
				1900	19100	22.52	23	0-1
			25	1860	18700	22.49	23	0-1
				1880	18900	22.69	23	0-1
				1900	19100	22.46	23	0-1
			50	1860	18700	22.49	23	0-1
				1880	18900	22.70	23	0-1
				1900	19100	22.43	23	0-1
		100RB		1860	18700	22.65	23	0-1
				1880	18900	22.82	23	0-1
				1900	19100	22.81	23	0-1
	16-QAM	1 RB	0	1860	18700	22.95	23	0-1
				1880	18900	22.97	23	0-1
				1900	19100	22.90	23	0-1
			50	1860	18700	22.79	23	0-1
				1880	18900	22.96	23	0-1
				1900	19100	22.84	23	0-1
			99	1860	18700	22.96	23	0-1
				1880	18900	22.91	23	0-1
				1900	19100	22.77	23	0-1
		50 RB	0	1860	18700	21.68	22	0-2
				1880	18900	21.78	22	0-2
				1900	19100	21.57	22	0-2
			25	1860	18700	21.58	22	0-2
				1880	18900	21.69	22	0-2
				1900	19100	21.63	22	0-2
			50	1860	18700	21.57	22	0-2
				1880	18900	21.70	22	0-2
				1900	19100	21.71	22	0-2
		100RB		1860	18700	21.72	22	0-2
				1880	18900	21.82	22	0-2
				1900	19100	21.91	22	0-2

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FDD Band 2								
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	23.35	24	0
				1880	18900	23.48	24	0
				1902.5	19125	23.42	24	0
			36	1857.5	18675	23.22	24	0
				1880	18900	23.33	24	0
				1902.5	19125	23.37	24	0
			74	1857.5	18675	23.32	24	0
				1880	18900	23.25	24	0
				1902.5	19125	23.29	24	0
		36 RB	0	1857.5	18675	22.31	23	0-1
				1880	18900	22.44	23	0-1
				1902.5	19125	22.36	23	0-1
			18	1857.5	18675	22.19	23	0-1
				1880	18900	22.36	23	0-1
				1902.5	19125	22.33	23	0-1
			37	1857.5	18675	22.16	23	0-1
				1880	18900	22.43	23	0-1
				1902.5	19125	22.47	23	0-1
		75RB		1857.5	18675	22.38	23	0-1
				1880	18900	22.48	23	0-1
				1902.5	19125	22.63	23	0-1
	16-QAM	1 RB	0	1857.5	18675	22.59	23	0-1
				1880	18900	22.59	23	0-1
				1902.5	19125	22.61	23	0-1
			36	1857.5	18675	22.43	23	0-1
				1880	18900	22.62	23	0-1
				1902.5	19125	22.53	23	0-1
			74	1857.5	18675	22.53	23	0-1
				1880	18900	22.55	23	0-1
				1902.5	19125	22.53	23	0-1
		36 RB	0	1857.5	18675	21.40	22	0-2
				1880	18900	21.56	22	0-2
				1902.5	19125	21.34	22	0-2
			18	1857.5	18675	21.28	22	0-2
				1880	18900	21.40	22	0-2
				1902.5	19125	21.38	22	0-2
			37	1857.5	18675	21.20	22	0-2
				1880	18900	21.49	22	0-2
				1902.5	19125	21.48	22	0-2
		75RB		1857.5	18675	21.47	22	0-2
				1880	18900	21.51	22	0-2
				1902.5	19125	21.65	22	0-2

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FDD Band 2								
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	23.31	24	0
				1880	18900	23.39	24	0
				1905	19150	23.35	24	0
			25	1855	18650	23.21	24	0
				1880	18900	23.27	24	0
				1905	19150	23.32	24	0
			49	1855	18650	23.23	24	0
				1880	18900	23.23	24	0
				1905	19150	23.22	24	0
		25 RB	0	1855	18650	22.24	23	0-1
				1880	18900	22.39	23	0-1
				1905	19150	22.31	23	0-1
			12	1855	18650	22.13	23	0-1
				1880	18900	22.34	23	0-1
				1905	19150	22.31	23	0-1
			25	1855	18650	22.08	23	0-1
				1880	18900	22.39	23	0-1
				1905	19150	22.38	23	0-1
		50RB		1855	18650	22.36	23	0-1
				1880	18900	22.41	23	0-1
				1905	19150	22.59	23	0-1
	16-QAM	1 RB	0	1855	18650	22.54	23	0-1
				1880	18900	22.50	23	0-1
				1905	19150	22.54	23	0-1
			25	1855	18650	22.38	23	0-1
				1880	18900	22.56	23	0-1
				1905	19150	22.45	23	0-1
			49	1855	18650	22.52	23	0-1
				1880	18900	22.49	23	0-1
				1905	19150	22.44	23	0-1
		25 RB	0	1855	18650	21.38	22	0-2
				1880	18900	21.55	22	0-2
				1905	19150	21.25	22	0-2
			12	1855	18650	21.28	22	0-2
				1880	18900	21.31	22	0-2
				1905	19150	21.33	22	0-2
			25	1855	18650	21.14	22	0-2
				1880	18900	21.43	22	0-2
				1905	19150	21.47	22	0-2
		50RB		1855	18650	21.40	22	0-2
				1880	18900	21.48	22	0-2
				1905	19150	21.60	22	0-2

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FDD Band 2								
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	23.26	24	0
				1880	18900	23.38	24	0
				1907.5	19175	23.30	24	0
			12	1852.5	18625	23.21	24	0
				1880	18900	23.23	24	0
				1907.5	19175	23.24	24	0
			24	1852.5	18625	23.14	24	0
				1880	18900	23.14	24	0
				1907.5	19175	23.19	24	0
		12 RB	0	1852.5	18625	22.23	23	0-1
				1880	18900	22.39	23	0-1
				1907.5	19175	22.23	23	0-1
			6	1852.5	18625	22.12	23	0-1
				1880	18900	22.31	23	0-1
				1907.5	19175	22.24	23	0-1
			13	1852.5	18625	22.07	23	0-1
				1880	18900	22.38	23	0-1
				1907.5	19175	22.34	23	0-1
		25RB		1852.5	18625	22.34	23	0-1
				1880	18900	22.37	23	0-1
				1907.5	19175	22.52	23	0-1
	16-QAM	1 RB	0	1852.5	18625	22.52	23	0-1
				1880	18900	22.42	23	0-1
				1907.5	19175	22.47	23	0-1
			12	1852.5	18625	22.30	23	0-1
				1880	18900	22.56	23	0-1
				1907.5	19175	22.42	23	0-1
			24	1852.5	18625	22.50	23	0-1
				1880	18900	22.42	23	0-1
				1907.5	19175	22.38	23	0-1
		12 RB	0	1852.5	18625	21.32	22	0-2
				1880	18900	21.50	22	0-2
				1907.5	19175	21.19	22	0-2
			6	1852.5	18625	21.26	22	0-2
				1880	18900	21.27	22	0-2
				1907.5	19175	21.25	22	0-2
			13	1852.5	18625	21.14	22	0-2
				1880	18900	21.42	22	0-2
				1907.5	19175	21.47	22	0-2
		25RB		1852.5	18625	21.37	22	0-2
				1880	18900	21.43	22	0-2
				1907.5	19175	21.52	22	0-2

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FDD Band 2								
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	23.24	24	0
				1880	18900	23.36	24	0
				1908.5	19185	23.28	24	0
			7	1851.5	18615	23.21	24	0
				1880	18900	23.17	24	0
				1908.5	19185	23.20	24	0
			14	1851.5	18615	23.06	24	0
				1880	18900	23.06	24	0
				1908.5	19185	23.17	24	0
		8 RB	0	1851.5	18615	22.19	23	0-1
				1880	18900	22.32	23	0-1
				1908.5	19185	22.17	23	0-1
			4	1851.5	18615	22.07	23	0-1
				1880	18900	22.30	23	0-1
				1908.5	19185	22.19	23	0-1
			7	1851.5	18615	22.01	23	0-1
				1880	18900	22.34	23	0-1
				1908.5	19185	22.34	23	0-1
		15RB		1851.5	18615	22.25	23	0-1
				1880	18900	22.33	23	0-1
				1908.5	19185	22.46	23	0-1
	16-QAM	1 RB	0	1851.5	18615	22.48	23	0-1
				1880	18900	22.35	23	0-1
				1908.5	19185	22.39	23	0-1
			7	1851.5	18615	22.30	23	0-1
				1880	18900	22.52	23	0-1
				1908.5	19185	22.42	23	0-1
			14	1851.5	18615	22.47	23	0-1
				1880	18900	22.41	23	0-1
				1908.5	19185	22.34	23	0-1
		8 RB	0	1851.5	18615	21.24	22	0-2
				1880	18900	21.49	22	0-2
				1908.5	19185	21.18	22	0-2
			4	1851.5	18615	21.18	22	0-2
				1880	18900	21.22	22	0-2
				1908.5	19185	21.18	22	0-2
			7	1851.5	18615	21.07	22	0-2
				1880	18900	21.33	22	0-2
				1908.5	19185	21.46	22	0-2
		15RB		1851.5	18615	21.30	22	0-2
				1880	18900	21.40	22	0-2
				1908.5	19185	21.46	22	0-2

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FDD Band 2								
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	23.23	24	0
				1880	18900	23.27	24	0
				1909.3	19193	23.26	24	0
			2	1850.7	18607	23.19	24	0
				1880	18900	23.13	24	0
				1909.3	19193	23.12	24	0
			5	1850.7	18607	23.10	24	0
				1880	18900	23.05	24	0
				1909.3	19193	23.11	24	0
		3 RB	0	1850.7	18607	23.03	24	0
				1880	18900	23.21	24	0
				1909.3	19193	23.12	24	0
			2	1850.7	18607	23.15	24	0
				1880	18900	23.17	24	0
				1909.3	19193	23.02	24	0
			3	1850.7	18607	23.09	24	0
				1880	18900	23.21	24	0
				1909.3	19193	23.12	24	0
		6RB		1850.7	18607	22.20	23	0-1
				1880	18900	22.29	23	0-1
				1909.3	19193	22.37	23	0-1
	16-QAM	1 RB	0	1850.7	18607	22.41	23	0-1
				1880	18900	22.30	23	0-1
				1909.3	19193	22.33	23	0-1
			2	1850.7	18607	22.26	23	0-1
				1880	18900	22.51	23	0-1
				1909.3	19193	22.33	23	0-1
			5	1850.7	18607	22.42	23	0-1
				1880	18900	22.35	23	0-1
				1909.3	19193	22.28	23	0-1
		3 RB	0	1850.7	18607	22.20	23	0-1
				1880	18900	22.47	23	0-1
				1909.3	19193	22.18	23	0-1
			2	1850.7	18607	22.15	23	0-1
				1880	18900	22.14	23	0-1
				1909.3	19193	22.15	23	0-1
			3	1850.7	18607	22.02	23	0-1
				1880	18900	22.24	23	0-1
				1909.3	19193	22.44	23	0-1
		6RB		1850.7	18607	21.26	22	0-2
				1880	18900	21.35	22	0-2
				1909.3	19193	21.42	22	0-2

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FDD Band 4								
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	23.56	24	0
				1732.5	20175	23.59	24	0
				1745	20300	23.58	24	0
			50	1720	20050	23.48	24	0
				1732.5	20175	23.26	24	0
				1745	20300	23.48	24	0
			99	1720	20050	23.33	24	0
				1732.5	20175	23.34	24	0
				1745	20300	23.43	24	0
		50 RB	0	1720	20050	22.54	23	0-1
				1732.5	20175	22.57	23	0-1
				1745	20300	22.42	23	0-1
			25	1720	20050	22.53	23	0-1
				1732.5	20175	22.21	23	0-1
				1745	20300	22.36	23	0-1
			50	1720	20050	22.43	23	0-1
				1732.5	20175	22.26	23	0-1
				1745	20300	22.40	23	0-1
		100RB		1720	20050	22.26	23	0-1
				1732.5	20175	22.38	23	0-1
				1745	20300	22.25	23	0-1
	16-QAM	1 RB	0	1720	20050	22.71	23	0-1
				1732.5	20175	22.76	23	0-1
				1745	20300	22.57	23	0-1
			50	1720	20050	22.65	23	0-1
				1732.5	20175	22.47	23	0-1
				1745	20300	22.65	23	0-1
			99	1720	20050	22.55	23	0-1
				1732.5	20175	22.55	23	0-1
				1745	20300	22.77	23	0-1
		50 RB	0	1720	20050	21.62	22	0-2
				1732.5	20175	21.43	22	0-2
				1745	20300	21.46	22	0-2
			25	1720	20050	21.61	22	0-2
				1732.5	20175	21.35	22	0-2
				1745	20300	21.53	22	0-2
			50	1720	20050	21.50	22	0-2
				1732.5	20175	21.34	22	0-2
				1745	20300	21.67	22	0-2
		100RB		1720	20050	21.73	22	0-2
				1732.5	20175	21.45	22	0-2
				1745	20300	21.70	22	0-2

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FDD Band 4								
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	22.71	24	0
				1732.5	20175	22.78	24	0
				1747.5	20325	22.63	24	0
			36	1717.5	20025	22.80	24	0
				1732.5	20175	22.47	24	0
				1747.5	20325	22.69	24	0
			74	1717.5	20025	22.60	24	0
				1732.5	20175	22.61	24	0
				1747.5	20325	22.89	24	0
		36 RB	0	1717.5	20025	21.84	23	0-1
				1732.5	20175	21.65	23	0-1
				1747.5	20325	21.65	23	0-1
			18	1717.5	20025	21.78	23	0-1
				1732.5	20175	21.48	23	0-1
				1747.5	20325	21.70	23	0-1
			37	1717.5	20025	21.62	23	0-1
				1732.5	20175	21.57	23	0-1
				1747.5	20325	21.91	23	0-1
		75RB		1717.5	20025	21.87	23	0-1
				1732.5	20175	21.67	23	0-1
				1747.5	20325	21.94	23	0-1
	16-QAM	1 RB	0	1717.5	20025	22.01	23	0-1
				1732.5	20175	22.02	23	0-1
				1747.5	20325	21.95	23	0-1
			36	1717.5	20025	22.05	23	0-1
				1732.5	20175	21.80	23	0-1
				1747.5	20325	21.97	23	0-1
			74	1717.5	20025	21.91	23	0-1
				1732.5	20175	21.86	23	0-1
				1747.5	20325	22.13	23	0-1
		36 RB	0	1717.5	20025	20.86	22	0-2
				1732.5	20175	20.72	22	0-2
				1747.5	20325	20.63	22	0-2
			18	1717.5	20025	20.79	22	0-2
				1732.5	20175	20.54	22	0-2
				1747.5	20325	20.75	22	0-2
			37	1717.5	20025	20.68	22	0-2
				1732.5	20175	20.55	22	0-2
				1747.5	20325	20.86	22	0-2
		75RB		1717.5	20025	21.00	22	0-2
				1732.5	20175	20.66	22	0-2
				1747.5	20325	20.88	22	0-2

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FDD Band 4								
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	22.64	24	0
				1732.5	20175	22.75	24	0
				1750	20350	22.55	24	0
			25	1715	20000	22.71	24	0
				1732.5	20175	22.59	24	0
				1750	20350	22.66	24	0
			49	1715	20000	22.52	24	0
				1732.5	20175	22.61	24	0
				1750	20350	22.82	24	0
		25 RB	0	1715	20000	21.82	23	0-1
				1732.5	20175	21.57	23	0-1
				1750	20350	21.62	23	0-1
			12	1715	20000	21.75	23	0-1
				1732.5	20175	21.43	23	0-1
				1750	20350	21.67	23	0-1
			25	1715	20000	21.62	23	0-1
				1732.5	20175	21.53	23	0-1
				1750	20350	21.82	23	0-1
		50RB		1715	20000	21.87	23	0-1
				1732.5	20175	21.64	23	0-1
				1750	20350	21.90	23	0-1
	16-QAM	1 RB	0	1715	20000	21.98	23	0-1
				1732.5	20175	22.01	23	0-1
				1750	20350	21.90	23	0-1
			25	1715	20000	22.02	23	0-1
				1732.5	20175	21.71	23	0-1
				1750	20350	21.91	23	0-1
			49	1715	20000	21.85	23	0-1
				1732.5	20175	21.80	23	0-1
				1750	20350	22.06	23	0-1
		25 RB	0	1715	20000	20.79	22	0-2
				1732.5	20175	20.65	22	0-2
				1750	20350	20.55	22	0-2
			12	1715	20000	20.78	22	0-2
				1732.5	20175	20.48	22	0-2
				1750	20350	20.71	22	0-2
			25	1715	20000	20.65	22	0-2
				1732.5	20175	20.54	22	0-2
				1750	20350	20.85	22	0-2
		50RB		1715	20000	20.99	22	0-2
				1732.5	20175	20.62	22	0-2
				1750	20350	20.80	22	0-2

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FDD Band 4								
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	22.56	24	0
				1732.5	20175	22.72	24	0
				1752.5	20375	22.46	24	0
			12	1712.5	19975	22.62	24	0
				1732.5	20175	22.51	24	0
				1752.5	20375	22.63	24	0
			24	1712.5	19975	22.52	24	0
				1732.5	20175	22.60	24	0
				1752.5	20375	22.80	24	0
		12 RB	0	1712.5	19975	21.73	23	0-1
				1732.5	20175	21.51	23	0-1
				1752.5	20375	21.56	23	0-1
			6	1712.5	19975	21.75	23	0-1
				1732.5	20175	21.66	23	0-1
				1752.5	20375	21.59	23	0-1
			13	1712.5	19975	21.57	23	0-1
				1732.5	20175	21.46	23	0-1
				1752.5	20375	21.82	23	0-1
		25RB		1712.5	19975	21.82	23	0-1
				1732.5	20175	21.55	23	0-1
				1752.5	20375	21.90	23	0-1
	16-QAM	1 RB	0	1712.5	19975	21.97	23	0-1
				1732.5	20175	21.99	23	0-1
				1752.5	20375	21.87	23	0-1
			12	1712.5	19975	21.95	23	0-1
				1732.5	20175	21.71	23	0-1
				1752.5	20375	21.89	23	0-1
			24	1712.5	19975	21.80	23	0-1
				1732.5	20175	21.76	23	0-1
				1752.5	20375	21.97	23	0-1
		12 RB	0	1712.5	19975	20.77	22	0-2
				1732.5	20175	20.64	22	0-2
				1752.5	20375	20.54	22	0-2
			6	1712.5	19975	20.77	22	0-2
				1732.5	20175	20.41	22	0-2
				1752.5	20375	20.63	22	0-2
			13	1712.5	19975	20.62	22	0-2
				1732.5	20175	20.52	22	0-2
				1752.5	20375	20.80	22	0-2
		25RB		1712.5	19975	20.90	22	0-2
				1732.5	20175	20.58	22	0-2
				1752.5	20375	20.75	22	0-2

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FDD Band 4								
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	22.50	24	0
				1732.5	20175	22.59	24	0
				1753.5	20385	22.54	24	0
			7	1711.5	19965	22.47	24	0
				1732.5	20175	22.40	24	0
				1753.5	20385	22.59	24	0
			14	1711.5	19965	22.50	24	0
				1732.5	20175	22.55	24	0
				1753.5	20385	22.76	24	0
		8 RB	0	1711.5	19965	21.64	23	0-1
				1732.5	20175	21.50	23	0-1
				1753.5	20385	21.51	23	0-1
			4	1711.5	19965	21.66	23	0-1
				1732.5	20175	21.58	23	0-1
				1753.5	20385	21.55	23	0-1
			7	1711.5	19965	21.43	23	0-1
				1732.5	20175	21.49	23	0-1
				1753.5	20385	21.72	23	0-1
		15RB		1711.5	19965	21.71	23	0-1
				1732.5	20175	21.41	23	0-1
				1753.5	20385	21.85	23	0-1
	16-QAM	1 RB	0	1711.5	19965	21.91	23	0-1
				1732.5	20175	21.87	23	0-1
				1753.5	20385	21.77	23	0-1
			7	1711.5	19965	21.79	23	0-1
				1732.5	20175	21.59	23	0-1
				1753.5	20385	21.73	23	0-1
			14	1711.5	19965	21.65	23	0-1
				1732.5	20175	21.64	23	0-1
				1753.5	20385	21.91	23	0-1
		8 RB	0	1711.5	19965	20.68	22	0-2
				1732.5	20175	20.55	22	0-2
				1753.5	20385	20.44	22	0-2
			4	1711.5	19965	20.68	22	0-2
				1732.5	20175	20.56	22	0-2
				1753.5	20385	20.57	22	0-2
			7	1711.5	19965	20.51	22	0-2
				1732.5	20175	20.52	22	0-2
				1753.5	20385	20.67	22	0-2
		15RB		1711.5	19965	20.82	22	0-2
				1732.5	20175	20.48	22	0-2
				1753.5	20385	20.70	22	0-2

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FDD Band 4								
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	22.50	24	0
				1732.5	20175	22.54	24	0
				1754.3	20393	22.46	24	0
			2	1710.7	19957	22.41	24	0
				1732.5	20175	22.52	24	0
				1754.3	20393	22.50	24	0
			5	1710.7	19957	22.46	24	0
				1732.5	20175	22.53	24	0
				1754.3	20393	22.74	24	0
		3 RB	0	1710.7	19957	22.50	24	0
				1732.5	20175	22.43	24	0
				1754.3	20393	22.63	24	0
			2	1710.7	19957	22.57	24	0
				1732.5	20175	22.60	24	0
				1754.3	20393	22.52	24	0
			3	1710.7	19957	22.54	24	0
				1732.5	20175	22.52	24	0
				1754.3	20393	22.55	24	0
		6RB		1710.7	19957	21.71	23	0-1
				1732.5	20175	21.72	23	0-1
				1754.3	20393	21.85	23	0-1
	16-QAM	1 RB	0	1710.7	19957	21.85	23	0-1
				1732.5	20175	21.81	23	0-1
				1754.3	20393	21.74	23	0-1
			2	1710.7	19957	21.73	23	0-1
				1732.5	20175	21.50	23	0-1
				1754.3	20393	21.69	23	0-1
			5	1710.7	19957	21.61	23	0-1
				1732.5	20175	21.62	23	0-1
				1754.3	20393	21.89	23	0-1
		3 RB	0	1710.7	19957	21.60	23	0-1
				1732.5	20175	21.70	23	0-1
				1754.3	20393	21.72	23	0-1
			2	1710.7	19957	21.69	23	0-1
				1732.5	20175	21.52	23	0-1
				1754.3	20393	21.72	23	0-1
			3	1710.7	19957	21.53	23	0-1
				1732.5	20175	21.61	23	0-1
				1754.3	20393	21.59	23	0-1
		6RB		1710.7	19957	20.74	22	0-2
				1732.5	20175	20.46	22	0-2
				1754.3	20393	20.65	22	0-2

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FDD Band 5								
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	23.51	25	0
				836.5	20525	23.60	25	0
				844	20600	23.54	25	0
			25	829	20450	23.37	25	0
				836.5	20525	23.47	25	0
				844	20600	23.52	25	0
			49	829	20450	23.44	25	0
				836.5	20525	23.50	25	0
				844	20600	23.53	25	0
		25 RB	0	829	20450	22.52	24	0-1
				836.5	20525	22.49	24	0-1
				844	20600	22.61	24	0-1
			12	829	20450	22.51	24	0-1
				836.5	20525	22.54	24	0-1
				844	20600	22.61	24	0-1
			25	829	20450	22.57	24	0-1
				836.5	20525	22.65	24	0-1
				844	20600	22.62	24	0-1
		50RB		829	20450	22.53	24	0-1
				836.5	20525	22.55	24	0-1
				844	20600	22.45	24	0-1
	16-QAM	1 RB	0	829	20450	22.72	24	0-1
				836.5	20525	22.92	24	0-1
				844	20600	22.86	24	0-1
			25	829	20450	22.71	24	0-1
				836.5	20525	22.82	24	0-1
				844	20600	22.83	24	0-1
			49	829	20450	22.84	24	0-1
				836.5	20525	22.87	24	0-1
				844	20600	22.86	24	0-1
		25 RB	0	829	20450	21.64	23	0-2
				836.5	20525	21.70	23	0-2
				844	20600	21.71	23	0-2
			12	829	20450	21.61	23	0-2
				836.5	20525	21.66	23	0-2
				844	20600	21.80	23	0-2
			25	829	20450	21.67	23	0-2
				836.5	20525	21.69	23	0-2
				844	20600	21.78	23	0-2
		500RB		829	20450	21.67	23	0-2
				836.5	20525	21.64	23	0-2
				844	20600	21.85	23	0-2

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FDD Band 5								
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	23.28	25	0
				836.5	20525	23.59	25	0
				846.5	20625	23.45	25	0
			12	826.5	20425	23.36	25	0
				836.5	20525	23.39	25	0
				846.5	20625	23.43	25	0
			24	826.5	20425	23.48	25	0
				836.5	20525	23.47	25	0
				846.5	20625	23.48	25	0
		12 RB	0	826.5	20425	22.50	24	0-1
				836.5	20525	22.54	24	0-1
				846.5	20625	22.59	24	0-1
			6	826.5	20425	22.50	24	0-1
				836.5	20525	22.53	24	0-1
				846.5	20625	22.65	24	0-1
			13	826.5	20425	22.48	24	0-1
				836.5	20525	22.52	24	0-1
				846.5	20625	22.58	24	0-1
		25RB		826.5	20425	22.53	24	0-1
				836.5	20525	22.51	24	0-1
				846.5	20625	22.66	24	0-1
	16-QAM	1 RB	0	826.5	20425	22.65	24	0-1
				836.5	20525	22.87	24	0-1
				846.5	20625	22.77	24	0-1
			12	826.5	20425	22.64	24	0-1
				836.5	20525	22.82	24	0-1
				846.5	20625	22.77	24	0-1
			24	826.5	20425	22.79	24	0-1
				836.5	20525	22.81	24	0-1
				846.5	20625	22.82	24	0-1
		12 RB	0	826.5	20425	21.61	23	0-2
				836.5	20525	21.66	23	0-2
				846.5	20625	21.67	23	0-2
			6	826.5	20425	21.56	23	0-2
				836.5	20525	21.59	23	0-2
				846.5	20625	21.77	23	0-2
			13	826.5	20425	21.60	23	0-2
				836.5	20525	21.65	23	0-2
				846.5	20625	21.71	23	0-2
		25RB		826.5	20425	21.63	23	0-2
				836.5	20525	21.57	23	0-2
				846.5	20625	21.82	23	0-2

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FDD Band 5								
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	23.21	25	0
				836.5	20525	23.55	25	0
				847.5	20635	23.41	25	0
			7	825.5	20415	23.28	25	0
				836.5	20525	23.35	25	0
				847.5	20635	23.41	25	0
			14	825.5	20415	23.43	25	0
				836.5	20525	23.45	25	0
				847.5	20635	23.40	25	0
		8 RB	0	825.5	20415	22.44	24	0-1
				836.5	20525	22.46	24	0-1
				847.5	20635	22.56	24	0-1
			4	825.5	20415	22.49	24	0-1
				836.5	20525	22.46	24	0-1
				847.5	20635	22.56	24	0-1
			7	825.5	20415	22.42	24	0-1
				836.5	20525	22.50	24	0-1
				847.5	20635	22.54	24	0-1
		15RB		825.5	20415	22.51	24	0-1
				836.5	20525	22.49	24	0-1
				847.5	20635	22.66	24	0-1
	16-QAM	1 RB	0	825.5	20415	22.59	24	0-1
				836.5	20525	22.85	24	0-1
				847.5	20635	22.75	24	0-1
			7	825.5	20415	22.62	24	0-1
				836.5	20525	22.78	24	0-1
				847.5	20635	22.74	24	0-1
			14	825.5	20415	22.78	24	0-1
				836.5	20525	22.78	24	0-1
				847.5	20635	22.81	24	0-1
		8 RB	0	825.5	20415	21.56	23	0-2
				836.5	20525	21.61	23	0-2
				847.5	20635	21.61	23	0-2
			4	825.5	20415	21.53	23	0-2
				836.5	20525	21.55	23	0-2
				847.5	20635	21.71	23	0-2
			7	825.5	20415	21.51	23	0-2
				836.5	20525	21.64	23	0-2
				847.5	20635	21.69	23	0-2
		15RB		825.5	20415	21.62	23	0-2
				836.5	20525	21.48	23	0-2
				847.5	20635	21.77	23	0-2

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FDD Band 5								
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	23.24	25	0
				836.5	20525	23.47	25	0
				848.3	20643	23.34	25	0
			2	824.7	20407	23.25	25	0
				836.5	20525	23.35	25	0
				848.3	20643	23.38	25	0
			5	824.7	20407	23.36	25	0
				836.5	20525	23.39	25	0
				848.3	20643	23.31	25	0
		3 RB	0	824.7	20407	23.24	25	0
				836.5	20525	23.25	25	0
				848.3	20643	23.36	25	0
			2	824.7	20407	23.24	25	0
				836.5	20525	23.23	25	0
				848.3	20643	23.31	25	0
			3	824.7	20407	23.21	25	0
				836.5	20525	23.27	25	0
				848.3	20643	23.25	25	0
		6RB		824.7	20407	22.49	24	0-1
				836.5	20525	22.48	24	0-1
				848.3	20643	22.66	24	0-1
	16-QAM	1 RB	0	824.7	20407	22.52	24	0-1
				836.5	20525	22.85	24	0-1
				848.3	20643	22.68	24	0-1
			2	824.7	20407	22.59	24	0-1
				836.5	20525	22.74	24	0-1
				848.3	20643	22.71	24	0-1
			5	824.7	20407	22.72	24	0-1
				836.5	20525	22.71	24	0-1
				848.3	20643	22.76	24	0-1
		3 RB	0	824.7	20407	22.22	24	0-1
				836.5	20525	22.31	24	0-1
				848.3	20643	22.30	24	0-1
			2	824.7	20407	22.23	24	0-1
				836.5	20525	22.22	24	0-1
				848.3	20643	22.41	24	0-1
			3	824.7	20407	22.20	24	0-1
				836.5	20525	22.28	24	0-1
				848.3	20643	22.34	24	0-1
		6RB		824.7	20407	21.62	23	0-2
				836.5	20525	21.44	23	0-2
				848.3	20643	21.75	23	0-2

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FDD Band 7								
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	23.21	24	0
				2535	21100	23.08	24	0
				2560	21350	22.96	24	0
			50	2510	20850	23.08	24	0
				2535	21100	22.96	24	0
				2560	21350	22.80	24	0
			99	2510	20850	23.15	24	0
				2535	21100	23.07	24	0
				2560	21350	22.91	24	0
		50 RB	0	2510	20850	21.79	23	0-1
				2535	21100	21.66	23	0-1
				2560	21350	21.51	23	0-1
			25	2510	20850	21.75	23	0-1
				2535	21100	21.63	23	0-1
				2560	21350	21.43	23	0-1
			50	2510	20850	21.75	23	0-1
				2535	21100	21.61	23	0-1
				2560	21350	21.47	23	0-1
		100RB		2510	20850	21.80	23	0-1
				2535	21100	21.78	23	0-1
				2560	21350	21.56	23	0-1
	16-QAM	1 RB	0	2510	20850	21.87	23	0-1
				2535	21100	21.86	23	0-1
				2560	21350	21.62	23	0-1
			50	2510	20850	21.78	23	0-1
				2535	21100	21.77	23	0-1
				2560	21350	21.50	23	0-1
			99	2510	20850	21.93	23	0-1
				2535	21100	21.91	23	0-1
				2560	21350	21.66	23	0-1
		50 RB	0	2510	20850	20.81	22	0-2
				2535	21100	20.71	22	0-2
				2560	21350	20.53	22	0-2
			25	2510	20850	20.76	22	0-2
				2535	21100	20.69	22	0-2
				2560	21350	20.51	22	0-2
			50	2510	20850	20.81	22	0-2
				2535	21100	20.68	22	0-2
				2560	21350	20.58	22	0-2
		100RB		2510	20850	20.87	22	0-2
				2535	21100	20.86	22	0-2
				2560	21350	20.63	22	0-2

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FDD Band 7								
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	22.70	24	0
				2535	21100	22.63	24	0
				2562.5	21375	22.43	24	0
			36	2507.5	20825	22.60	24	0
				2535	21100	22.50	24	0
				2562.5	21375	22.32	24	0
			74	2507.5	20825	22.76	24	0
				2535	21100	22.65	24	0
				2562.5	21375	22.42	24	0
		36 RB	0	2507.5	20825	22.23	23	0-1
				2535	21100	22.15	23	0-1
				2562.5	21375	21.96	23	0-1
			18	2507.5	20825	22.25	23	0-1
				2535	21100	22.17	23	0-1
				2562.5	21375	21.89	23	0-1
			37	2507.5	20825	22.23	23	0-1
				2535	21100	22.11	23	0-1
				2562.5	21375	22.02	23	0-1
		75RB		2507.5	20825	22.24	23	0-1
				2535	21100	22.24	23	0-1
				2562.5	21375	22.06	23	0-1
	16-QAM	1 RB	0	2507.5	20825	22.32	23	0-1
				2535	21100	22.31	23	0-1
				2562.5	21375	22.05	23	0-1
			36	2507.5	20825	22.25	23	0-1
				2535	21100	22.18	23	0-1
				2562.5	21375	21.91	23	0-1
			74	2507.5	20825	22.40	23	0-1
				2535	21100	22.34	23	0-1
				2562.5	21375	22.16	23	0-1
		36 RB	0	2507.5	20825	21.26	22	0-2
				2535	21100	21.16	22	0-2
				2562.5	21375	20.98	22	0-2
			18	2507.5	20825	21.26	22	0-2
				2535	21100	21.15	22	0-2
				2562.5	21375	20.95	22	0-2
			37	2507.5	20825	21.24	22	0-2
				2535	21100	21.15	22	0-2
				2562.5	21375	20.99	22	0-2
		75RB		2507.5	20825	21.29	22	0-2
				2535	21100	21.31	22	0-2
				2562.5	21375	21.06	22	0-2

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FDD Band 7								
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	23.14	24	0
				2535	21100	23.03	24	0
				2565	21400	22.77	24	0
			25	2505	20800	23.06	24	0
				2535	21100	22.95	24	0
				2565	21400	22.71	24	0
			49	2505	20800	23.13	24	0
				2535	21100	22.98	24	0
				2565	21400	22.85	24	0
		25 RB	0	2505	20800	22.16	23	0-1
				2535	21100	22.13	23	0-1
				2565	21400	21.95	23	0-1
			12	2505	20800	22.23	23	0-1
				2535	21100	22.13	23	0-1
				2565	21400	21.81	23	0-1
			25	2505	20800	22.19	23	0-1
				2535	21100	22.09	23	0-1
				2565	21400	22.00	23	0-1
		50RB		2505	20800	22.15	23	0-1
				2535	21100	22.17	23	0-1
				2565	21400	21.97	23	0-1
	16-QAM	1 RB	0	2505	20800	22.25	23	0-1
				2535	21100	22.29	23	0-1
				2565	21400	22.02	23	0-1
			25	2505	20800	22.17	23	0-1
				2535	21100	22.15	23	0-1
				2565	21400	21.89	23	0-1
			49	2505	20800	22.36	23	0-1
				2535	21100	22.33	23	0-1
				2565	21400	22.15	23	0-1
		25 RB	0	2505	20800	21.22	22	0-2
				2535	21100	21.15	22	0-2
				2565	21400	20.91	22	0-2
			12	2505	20800	21.20	22	0-2
				2535	21100	21.14	22	0-2
				2565	21400	20.91	22	0-2
			25	2505	20800	21.19	22	0-2
				2535	21100	21.07	22	0-2
				2565	21400	20.96	22	0-2
		50RB		2505	20800	21.28	22	0-2
				2535	21100	21.28	22	0-2
				2565	21400	20.99	22	0-2

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FDD Band 7								
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	23.08	24	0
				2535	21100	22.98	24	0
				2567.5	21425	22.72	24	0
			12	2502.5	20775	22.97	24	0
				2535	21100	22.93	24	0
				2567.5	21425	22.66	24	0
			24	2502.5	20775	23.06	24	0
				2535	21100	22.94	24	0
				2567.5	21425	22.76	24	0
		12 RB	0	2502.5	20775	22.13	23	0-1
				2535	21100	22.13	23	0-1
				2567.5	21425	21.94	23	0-1
			6	2502.5	20775	22.22	23	0-1
				2535	21100	22.11	23	0-1
				2567.5	21425	21.81	23	0-1
			13	2502.5	20775	22.12	23	0-1
				2535	21100	22.09	23	0-1
				2567.5	21425	21.93	23	0-1
		25RB		2502.5	20775	22.06	23	0-1
				2535	21100	22.17	23	0-1
				2567.5	21425	21.89	23	0-1
	16-QAM	1 RB	0	2502.5	20775	22.25	23	0-1
				2535	21100	22.27	23	0-1
				2567.5	21425	21.94	23	0-1
			12	2502.5	20775	22.13	23	0-1
				2535	21100	22.13	23	0-1
				2567.5	21425	21.87	23	0-1
			24	2502.5	20775	22.33	23	0-1
				2535	21100	22.25	23	0-1
				2567.5	21425	22.06	23	0-1
		12 RB	0	2502.5	20775	21.22	22	0-2
				2535	21100	21.13	22	0-2
				2567.5	21425	20.88	22	0-2
			6	2502.5	20775	21.20	22	0-2
				2535	21100	21.10	22	0-2
				2567.5	21425	20.83	22	0-2
			13	2502.5	20775	21.17	22	0-2
				2535	21100	21.06	22	0-2
				2567.5	21425	20.93	22	0-2
		25RB		2502.5	20775	21.21	22	0-2
				2535	21100	21.20	22	0-2
				2567.5	21425	20.97	22	0-2

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FDD Band 12								
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	22.80	24	0
				707.5	23095	23.07	24	0
				711	23130	22.93	24	0
			25	704	23060	22.68	24	0
				707.5	23095	22.71	24	0
				711	23130	22.91	24	0
			49	704	23060	22.64	24	0
				707.5	23095	22.77	24	0
				711	23130	22.72	24	0
		25 RB	0	704	23060	21.85	23	0-1
				707.5	23095	21.90	23	0-1
				711	23130	21.89	23	0-1
			12	704	23060	21.82	23	0-1
				707.5	23095	21.84	23	0-1
				711	23130	22.02	23	0-1
			25	704	23060	21.87	23	0-1
				707.5	23095	22.07	23	0-1
				711	23130	22.04	23	0-1
		50RB		704	23060	21.90	23	0-1
				707.5	23095	21.94	23	0-1
				711	23130	21.79	23	0-1
	16-QAM	1 RB	0	704	23060	22.05	23	0-1
				707.5	23095	22.12	23	0-1
				711	23130	22.05	23	0-1
			25	704	23060	22.03	23	0-1
				707.5	23095	21.99	23	0-1
				711	23130	22.27	23	0-1
			49	704	23060	22.16	23	0-1
				707.5	23095	22.34	23	0-1
				711	23130	22.27	23	0-1
		25 RB	0	704	23060	21.03	22	0-2
				707.5	23095	20.99	22	0-2
				711	23130	21.05	22	0-2
			12	704	23060	20.95	22	0-2
				707.5	23095	20.91	22	0-2
				711	23130	21.20	22	0-2
			25	704	23060	20.93	22	0-2
				707.5	23095	21.13	22	0-2
				711	23130	21.16	22	0-2
		50RB		704	23060	21.00	22	0-2
				707.5	23095	20.97	22	0-2
				711	23130	21.21	22	0-2

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FDD Band 12								
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	22.58	24	0
				707.5	23095	22.72	24	0
				713.5	23155	22.67	24	0
			12	701.5	23035	22.68	24	0
				707.5	23095	22.68	24	0
				713.5	23155	22.84	24	0
			24	701.5	23035	22.75	24	0
				707.5	23095	23.01	24	0
				713.5	23155	22.91	24	0
		12 RB	0	701.5	23035	21.80	23	0-1
				707.5	23095	21.84	23	0-1
				713.5	23155	21.88	23	0-1
			6	701.5	23035	21.81	23	0-1
				707.5	23095	21.77	23	0-1
				713.5	23155	21.97	23	0-1
			13	701.5	23035	21.74	23	0-1
				707.5	23095	22.06	23	0-1
				713.5	23155	21.95	23	0-1
		25RB		701.5	23035	21.88	23	0-1
				707.5	23095	21.91	23	0-1
				713.5	23155	22.01	23	0-1
	16-QAM	1 RB	0	701.5	23035	21.98	23	0-1
				707.5	23095	22.04	23	0-1
				713.5	23155	22.01	23	0-1
			12	701.5	23035	22.01	23	0-1
				707.5	23095	21.93	23	0-1
				713.5	23155	22.23	23	0-1
			24	701.5	23035	22.08	23	0-1
				707.5	23095	22.31	23	0-1
				713.5	23155	22.20	23	0-1
		12 RB	0	701.5	23035	21.02	22	0-2
				707.5	23095	20.93	22	0-2
				713.5	23155	21.02	22	0-2
			6	701.5	23035	20.87	22	0-2
				707.5	23095	20.85	22	0-2
				713.5	23155	21.11	22	0-2
			13	701.5	23035	20.89	22	0-2
				707.5	23095	21.05	22	0-2
				713.5	23155	21.14	22	0-2
		25RB		701.5	23035	20.97	22	0-2
				707.5	23095	20.96	22	0-2
				713.5	23155	21.15	22	0-2

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FDD Band 12								
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	22.35	24	0
				707.5	23095	22.44	24	0
				714.5	23165	22.43	24	0
			7	700.5	23025	22.44	24	0
				707.5	23095	22.40	24	0
				714.5	23165	22.55	24	0
			14	700.5	23025	22.51	24	0
				707.5	23095	22.80	24	0
				714.5	23165	22.63	24	0
		8 RB	0	700.5	23025	21.57	23	0-1
				707.5	23095	21.57	23	0-1
				714.5	23165	21.60	23	0-1
			4	700.5	23025	21.60	23	0-1
				707.5	23095	21.50	23	0-1
				714.5	23165	21.73	23	0-1
			7	700.5	23025	21.50	23	0-1
				707.5	23095	21.80	23	0-1
				714.5	23165	21.67	23	0-1
		15RB		700.5	23025	21.68	23	0-1
				707.5	23095	21.64	23	0-1
				714.5	23165	21.77	23	0-1
	16-QAM	1 RB	0	700.5	23025	21.75	23	0-1
				707.5	23095	21.78	23	0-1
				714.5	23165	21.80	23	0-1
			7	700.5	23025	21.72	23	0-1
				707.5	23095	21.64	23	0-1
				714.5	23165	22.02	23	0-1
			14	700.5	23025	21.82	23	0-1
				707.5	23095	22.06	23	0-1
				714.5	23165	21.92	23	0-1
		8 RB	0	700.5	23025	20.80	22	0-2
				707.5	23095	20.72	22	0-2
				714.5	23165	20.75	22	0-2
			4	700.5	23025	20.59	22	0-2
				707.5	23095	20.59	22	0-2
				714.5	23165	20.91	22	0-2
			7	700.5	23025	20.61	22	0-2
				707.5	23095	20.84	22	0-2
				714.5	23165	20.89	22	0-2
		15RB		700.5	23025	20.68	22	0-2
				707.5	23095	20.75	22	0-2
				714.5	23165	20.86	22	0-2

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FDD Band 12								
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	22.33	24	0
				707.5	23095	22.44	24	0
				715.3	23173	22.38	24	0
			2	699.7	23017	22.36	24	0
				707.5	23095	22.40	24	0
				715.3	23173	22.46	24	0
			5	699.7	23017	22.46	24	0
				707.5	23095	22.80	24	0
				715.3	23173	22.54	24	0
		3 RB	0	699.7	23017	22.15	24	0
				707.5	23095	22.16	24	0
				715.3	23173	22.12	24	0
			2	699.7	23017	22.12	24	0
				707.5	23095	22.02	24	0
				715.3	23173	22.33	24	0
			3	699.7	23017	22.03	24	0
				707.5	23095	22.40	24	0
				715.3	23173	22.27	24	0
		6RB		699.7	23017	21.64	23	0-1
				707.5	23095	21.55	23	0-1
				715.3	23173	21.73	23	0-1
	16-QAM	1 RB	0	699.7	23017	21.70	23	0-1
				707.5	23095	21.75	23	0-1
				715.3	23173	21.78	23	0-1
			2	699.7	23017	21.65	23	0-1
				707.5	23095	21.58	23	0-1
				715.3	23173	22.02	23	0-1
			5	699.7	23017	21.74	23	0-1
				707.5	23095	22.05	23	0-1
				715.3	23173	21.92	23	0-1
		3 RB	0	699.7	23017	21.07	23	0-1
				707.5	23095	21.02	23	0-1
				715.3	23173	21.02	23	0-1
			2	699.7	23017	21.02	23	0-1
				707.5	23095	21.04	23	0-1
				715.3	23173	21.15	23	0-1
			3	699.7	23017	21.01	23	0-1
				707.5	23095	21.11	23	0-1
				715.3	23173	21.12	23	0-1
		6RB		699.7	23017	20.65	22	0-2
				707.5	23095	20.74	22	0-2
				715.3	23173	19.28	20	0-2

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FDD Band 13								
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	23.44	24	0
			25	782	23230	23.54	24	0
			49	782	23230	23.53	24	0
		25 RB	0	782	23230	22.50	23	0-1
			12	782	23230	22.51	23	0-1
			25	782	23230	22.54	23	0-1
		50RB		782	23230	22.69	23	0-1
	16-QAM	1 RB	0	782	23230	22.70	23	0-1
			25	782	23230	22.83	23	0-1
			49	782	23230	22.86	23	0-1
		25 RB	0	782	23230	21.56	22	0-2
			12	782	23230	21.59	22	0-2
			25	782	23230	21.62	22	0-2
		50RB		782	23230	21.77	22	0-2

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FDD Band 13								
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	23.21	24	0
				782	23230	23.26	24	0
				784.5	23255	23.44	24	0
			12	779.5	23205	23.27	24	0
				782	23230	23.39	24	0
				784.5	23255	23.34	24	0
			24	779.5	23205	23.40	24	0
				782	23230	23.40	24	0
				784.5	23255	23.35	24	0
		12 RB	0	779.5	23205	22.29	23	0-1
				782	23230	22.37	23	0-1
				784.5	23255	22.42	23	0-1
			6	779.5	23205	22.27	23	0-1
				782	23230	22.38	23	0-1
				784.5	23255	22.37	23	0-1
			13	779.5	23205	22.31	23	0-1
				782	23230	22.46	23	0-1
				784.5	23255	22.47	23	0-1
		25RB		779.5	23205	22.28	23	0-1
				782	23230	22.41	23	0-1
				784.5	23255	22.42	23	0-1
	16-QAM	1 RB	0	779.5	23205	22.49	23	0-1
				782	23230	22.67	23	0-1
				784.5	23255	22.84	23	0-1
			12	779.5	23205	22.56	23	0-1
				782	23230	22.72	23	0-1
				784.5	23255	22.71	23	0-1
			24	779.5	23205	22.68	23	0-1
				782	23230	22.68	23	0-1
				784.5	23255	22.73	23	0-1
		12 RB	0	779.5	23205	21.29	22	0-2
				782	23230	21.37	22	0-2
				784.5	23255	21.53	22	0-2
			6	779.5	23205	21.27	22	0-2
				782	23230	21.36	22	0-2
				784.5	23255	21.45	22	0-2
			13	779.5	23205	21.34	22	0-2
				782	23230	21.49	22	0-2
				784.5	23255	21.52	22	0-2
		25RB		779.5	23205	21.27	22	0-2
				782	23230	21.45	22	0-2
				784.5	23255	21.45	22	0-2

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FDD Band 17								
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	709	23780	23.10	24	0
				710	23790	23.11	24	0
				711	23800	23.04	24	0
			25	709	23780	22.94	24	0
				710	23790	22.97	24	0
				711	23800	22.99	24	0
			49	709	23780	22.87	24	0
				710	23790	22.90	24	0
				711	23800	22.81	24	0
		25 RB	0	709	23780	21.91	23	0-1
				710	23790	21.91	23	0-1
				711	23800	21.99	23	0-1
			12	709	23780	22.02	23	0-1
				710	23790	22.07	23	0-1
				711	23800	22.11	23	0-1
			25	709	23780	22.17	23	0-1
				710	23790	22.15	23	0-1
				711	23800	22.09	23	0-1
		50RB		709	23780	22.16	23	0-1
				710	23790	22.17	23	0-1
				711	23800	22.05	23	0-1
	16-QAM	1 RB	0	709	23780	22.15	23	0-1
				710	23790	22.17	23	0-1
				711	23800	22.09	23	0-1
			25	709	23780	22.21	23	0-1
				710	23790	22.25	23	0-1
				711	23800	22.31	23	0-1
			49	709	23780	22.36	23	0-1
				710	23790	22.33	23	0-1
				711	23800	22.35	23	0-1
		25 RB	0	709	23780	21.02	22	0-2
				710	23790	21.00	22	0-2
				711	23800	21.08	22	0-2
			12	709	23780	21.09	22	0-2
				710	23790	21.18	22	0-2
				711	23800	21.20	22	0-2
			25	709	23780	21.26	22	0-2
				710	23790	21.26	22	0-2
				711	23800	21.17	22	0-2
		50RB		709	23780	21.25	22	0-2
				710	23790	21.24	22	0-2
				711	23800	21.25	22	0-2

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FDD Band 17								
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	706.5	23755	22.79	24	0
				710	23790	22.82	24	0
				713.5	23825	22.80	24	0
			12	706.5	23755	22.93	24	0
				710	23790	22.91	24	0
				713.5	23825	22.95	24	0
			24	706.5	23755	23.04	24	0
				710	23790	23.06	24	0
				713.5	23825	23.04	24	0
		12 RB	0	706.5	23755	21.82	23	0-1
				710	23790	21.88	23	0-1
				713.5	23825	21.96	23	0-1
			6	706.5	23755	21.94	23	0-1
				710	23790	22.02	23	0-1
				713.5	23825	22.08	23	0-1
			13	706.5	23755	22.13	23	0-1
				710	23790	22.13	23	0-1
				713.5	23825	22.09	23	0-1
		25RB		706.5	23755	22.09	23	0-1
				710	23790	22.15	23	0-1
				713.5	23825	22.19	23	0-1
	16-QAM	1 RB	0	706.5	23755	22.11	23	0-1
				710	23790	22.17	23	0-1
				713.5	23825	22.02	23	0-1
			12	706.5	23755	22.19	23	0-1
				710	23790	22.20	23	0-1
				713.5	23825	22.30	23	0-1
			24	706.5	23755	22.32	23	0-1
				710	23790	22.31	23	0-1
				713.5	23825	22.35	23	0-1
		12 RB	0	706.5	23755	21.02	22	0-2
				710	23790	20.91	22	0-2
				713.5	23825	21.07	22	0-2
			6	706.5	23755	21.01	22	0-2
				710	23790	21.15	22	0-2
				713.5	23825	21.15	22	0-2
			13	706.5	23755	21.23	22	0-2
				710	23790	21.26	22	0-2
				713.5	23825	21.14	22	0-2
		25RB		706.5	23755	21.19	22	0-2
				710	23790	21.15	22	0-2
				713.5	23825	21.24	22	0-2

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FDD Band 26								
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	23.07	24	0
				831.5	26865	23.11	24	0
				841.5	26965	23.14	24	0
			36	821.5	26765	22.88	24	0
				831.5	26865	23.03	24	0
				841.5	26965	23.09	24	0
			74	821.5	26765	23.05	24	0
				831.5	26865	23.10	24	0
				841.5	26965	23.02	24	0
		36 RB	0	821.5	26765	22.04	23	0-1
				831.5	26865	22.12	23	0-1
				841.5	26965	22.15	23	0-1
			18	821.5	26765	22.08	23	0-1
				831.5	26865	22.16	23	0-1
				841.5	26965	22.13	23	0-1
			37	821.5	26765	22.09	23	0-1
				831.5	26865	22.18	23	0-1
				841.5	26965	22.23	23	0-1
		75RB		821.5	26765	22.20	23	0-1
				831.5	26865	22.26	23	0-1
				841.5	26965	22.39	23	0-1
	16-QAM	1 RB	0	821.5	26765	22.23	23	0-1
				831.5	26865	22.34	23	0-1
				841.5	26965	22.42	23	0-1
			36	821.5	26765	22.36	23	0-1
				831.5	26865	22.42	23	0-1
				841.5	26965	22.36	23	0-1
			74	821.5	26765	22.43	23	0-1
				831.5	26865	22.45	23	0-1
				841.5	26965	22.45	23	0-1
		36 RB	0	821.5	26765	21.14	22	0-2
				831.5	26865	21.19	22	0-2
				841.5	26965	21.23	22	0-2
			18	821.5	26765	21.20	22	0-2
				831.5	26865	21.24	22	0-2
				841.5	26965	21.17	22	0-2
			37	821.5	26765	21.20	22	0-2
				831.5	26865	21.21	22	0-2
				841.5	26965	21.31	22	0-2
		75RB		821.5	26765	21.32	22	0-2
				831.5	26865	21.36	22	0-2
				841.5	26965	21.38	22	0-2

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FDD Band 26								
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	22.81	24	0
				831.5	26865	23.03	24	0
				844	26990	23.04	24	0
			25	819	26740	22.99	24	0
				831.5	26865	23.10	24	0
				844	26990	22.94	24	0
			49	819	26740	23.03	24	0
				831.5	26865	23.02	24	0
				844	26990	23.01	24	0
		25 RB	0	819	26740	21.99	23	0-1
				831.5	26865	22.12	23	0-1
				844	26990	22.08	23	0-1
			12	819	26740	22.01	23	0-1
				831.5	26865	22.15	23	0-1
				844	26990	22.11	23	0-1
			25	819	26740	22.02	23	0-1
				831.5	26865	22.09	23	0-1
				844	26990	22.18	23	0-1
		50RB		819	26740	22.20	23	0-1
				831.5	26865	22.17	23	0-1
				844	26990	22.36	23	0-1
	16-QAM	1 RB	0	819	26740	22.19	23	0-1
				831.5	26865	22.25	23	0-1
				844	26990	22.38	23	0-1
			25	819	26740	22.32	23	0-1
				831.5	26865	22.36	23	0-1
				844	26990	22.28	23	0-1
			49	819	26740	22.34	23	0-1
				831.5	26865	22.45	23	0-1
				844	26990	22.36	23	0-1
		25 RB	0	819	26740	21.05	22	0-2
				831.5	26865	21.16	22	0-2
				844	26990	21.16	22	0-2
			12	819	26740	21.19	22	0-2
				831.5	26865	21.20	22	0-2
				844	26990	21.10	22	0-2
			25	819	26740	21.15	22	0-2
				831.5	26865	21.18	22	0-2
				844	26990	21.26	22	0-2
		50RB		819	26740	21.31	22	0-2
				831.5	26865	21.30	22	0-2
				844	26990	21.37	22	0-2

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FDD Band 26								
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	22.61	24	0
				831.5	26865	22.83	24	0
				846.5	27015	22.77	24	0
			12	816.5	26715	22.71	24	0
				831.5	26865	22.85	24	0
				846.5	27015	22.73	24	0
			24	816.5	26715	22.77	24	0
				831.5	26865	22.77	24	0
				846.5	27015	22.72	24	0
		12 RB	0	816.5	26715	21.71	23	0-1
				831.5	26865	21.91	23	0-1
				846.5	27015	21.87	23	0-1
			6	816.5	26715	21.74	23	0-1
				831.5	26865	21.89	23	0-1
				846.5	27015	21.86	23	0-1
			13	816.5	26715	21.74	23	0-1
				831.5	26865	21.87	23	0-1
				846.5	27015	21.94	23	0-1
		25RB		816.5	26715	22.00	23	0-1
				831.5	26865	21.96	23	0-1
				846.5	27015	22.10	23	0-1
	16-QAM	1 RB	0	815.5	26705	21.95	23	0-1
				831.5	26865	21.99	23	0-1
				847.5	27025	22.16	23	0-1
			12	815.5	26705	22.10	23	0-1
				831.5	26865	22.11	23	0-1
				847.5	27025	22.08	23	0-1
			24	815.5	26705	22.11	23	0-1
				831.5	26865	22.20	23	0-1
				847.5	27025	22.16	23	0-1
		12 RB	0	815.5	26705	20.77	22	0-2
				831.5	26865	20.94	22	0-2
				847.5	27025	20.91	22	0-2
			6	815.5	26705	20.94	22	0-2
				831.5	26865	20.99	22	0-2
				847.5	27025	20.83	22	0-2
			13	815.5	26705	20.93	22	0-2
				831.5	26865	20.97	22	0-2
				847.5	27025	21.05	22	0-2
		25RB		815.5	26705	21.11	22	0-2
				831.5	26865	21.07	22	0-2
				847.5	27025	21.12	22	0-2

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FDD Band 26								
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	22.60	24	0
				831.5	26865	22.74	24	0
				847.5	27025	22.72	24	0
			7	815.5	26705	22.63	24	0
				831.5	26865	22.80	24	0
				847.5	27025	22.72	24	0
			14	815.5	26705	22.74	24	0
				831.5	26865	22.71	24	0
				847.5	27025	22.67	24	0
		8 RB	0	815.5	26705	21.68	23	0-1
				831.5	26865	21.84	23	0-1
				847.5	27025	21.86	23	0-1
			4	815.5	26705	21.72	23	0-1
				831.5	26865	21.87	23	0-1
				847.5	27025	21.86	23	0-1
			7	815.5	26705	21.66	23	0-1
				831.5	26865	21.84	23	0-1
				847.5	27025	21.85	23	0-1
		15RB		815.5	26705	21.92	23	0-1
				831.5	26865	21.87	23	0-1
				847.5	27025	22.07	23	0-1
	16-QAM	1 RB	0	815.5	26705	21.88	23	0-1
				831.5	26865	21.95	23	0-1
				847.5	27025	22.14	23	0-1
			7	815.5	26705	22.01	23	0-1
				831.5	26865	22.08	23	0-1
				847.5	27025	21.99	23	0-1
			14	815.5	26705	22.07	23	0-1
				831.5	26865	22.17	23	0-1
				847.5	27025	22.07	23	0-1
		8 RB	0	815.5	26705	20.71	22	0-2
				831.5	26865	20.85	22	0-2
				847.5	27025	20.86	22	0-2
			4	815.5	26705	20.93	22	0-2
				831.5	26865	20.90	22	0-2
				847.5	27025	20.79	22	0-2
			7	815.5	26705	20.90	22	0-2
				831.5	26865	20.93	22	0-2
				847.5	27025	20.98	22	0-2
		15RB		815.5	26705	21.06	22	0-2
				831.5	26865	21.03	22	0-2
				847.5	27025	21.08	22	0-2

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FDD Band 26								
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	22.60	24	0
				831.5	26865	22.65	24	0
				848.3	27033	22.66	24	0
			2	814.7	26697	22.57	24	0
				831.5	26865	22.72	24	0
				848.3	27033	22.66	24	0
			5	814.7	26697	22.66	24	0
				831.5	26865	22.69	24	0
				848.3	27033	22.61	24	0
		3 RB	0	814.7	26697	22.13	24	0
				831.5	26865	22.26	24	0
				848.3	27033	22.28	24	0
			2	814.7	26697	22.19	24	0
				831.5	26865	22.36	24	0
				848.3	27033	22.31	24	0
			3	814.7	26697	22.11	24	0
				831.5	26865	22.34	24	0
				848.3	27033	22.35	24	0
		6RB		814.7	26697	21.91	23	0-1
				831.5	26865	21.85	23	0-1
				848.3	27033	22.05	23	0-1
	16-QAM	1 RB	0	814.7	26697	21.85	23	0-1
				831.5	26865	21.87	23	0-1
				848.3	27033	22.08	23	0-1
			2	814.7	26697	21.95	23	0-1
				831.5	26865	22.01	23	0-1
				848.3	27033	21.92	23	0-1
			5	814.7	26697	22.07	23	0-1
				831.5	26865	22.10	23	0-1
				848.3	27033	22.00	23	0-1
		3 RB	0	814.7	26697	21.27	23	0-1
				831.5	26865	21.32	23	0-1
				848.3	27033	21.38	23	0-1
			2	814.7	26697	21.37	23	0-1
				831.5	26865	21.24	23	0-1
				848.3	27033	21.33	23	0-1
			3	814.7	26697	21.35	23	0-1
				831.5	26865	21.43	23	0-1
				848.3	27033	21.54	23	0-1
		6RB		814.7	26697	21.04	22	0-2
				831.5	26865	20.98	22	0-2
				848.3	27033	21.00	22	0-2

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FDD Band 30								
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	2310	27710	22.78	24	0
			25	2310	27710	22.70	24	0
			49	2310	27710	22.57	24	0
		25 RB	0	2310	27710	21.67	23	0-1
			12	2310	27710	21.53	23	0-1
			25	2310	27710	21.55	23	0-1
		50RB		2310	27710	21.59	23	0-1
	16-QAM	1 RB	0	2310	27710	21.69	23	0-1
			25	2310	27710	21.64	23	0-1
			49	2310	27710	21.53	23	0-1
		25 RB	0	2310	27710	20.51	22	0-2
			12	2310	27710	20.54	22	0-2
			25	2310	27710	20.69	22	0-2
		50RB		2310	27710	20.60	22	0-2

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FDD Band 30								
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	2307.5	27685	22.69	24	0
				2310	27710	22.39	24	0
				2312.5	27735	22.51	24	0
			12	2307.5	27685	22.62	24	0
				2310	27710	22.53	24	0
				2312.5	27735	22.53	24	0
			24	2307.5	27685	22.56	24	0
				2310	27710	22.64	24	0
				2312.5	27735	22.64	24	0
		12 RB	0	2307.5	27685	21.66	23	0-1
				2310	27710	21.48	23	0-1
				2312.5	27735	21.52	23	0-1
			6	2307.5	27685	21.69	23	0-1
				2310	27710	21.98	23	0-1
				2312.5	27735	21.63	23	0-1
			13	2307.5	27685	21.78	23	0-1
				2310	27710	21.36	23	0-1
				2312.5	27735	21.67	23	0-1
		25RB		2307.5	27685	21.29	23	0-1
				2310	27710	21.18	23	0-1
				2312.5	27735	21.13	23	0-1
	16-QAM	1 RB	0	2307.5	27685	21.67	23	0-1
				2310	27710	21.44	23	0-1
				2312.5	27735	21.44	23	0-1
			12	2307.5	27685	21.51	23	0-1
				2310	27710	21.47	23	0-1
				2312.5	27735	21.40	23	0-1
			24	2307.5	27685	21.54	23	0-1
				2310	27710	21.55	23	0-1
				2312.5	27735	21.56	23	0-1
		12 RB	0	2307.5	27685	20.64	22	0-2
				2310	27710	20.44	22	0-2
				2312.5	27735	20.52	22	0-2
			6	2307.5	27685	20.56	22	0-2
				2310	27710	20.91	22	0-2
				2312.5	27735	20.66	22	0-2
			13	2307.5	27685	20.80	22	0-2
				2310	27710	20.39	22	0-2
				2312.5	27735	20.62	22	0-2
		25RB		2307.5	27685	20.31	22	0-2
				2310	27710	20.04	22	0-2
				2312.5	27735	20.12	22	0-2

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FDD Band 66								
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	23.55	24	0
				1745	132322	23.62	24	0
				1770	132572	23.69	24	0
			50	1720	132072	23.51	24	0
				1745	132322	23.42	24	0
				1770	132572	23.37	24	0
			99	1720	132072	23.40	24	0
				1745	132322	23.57	24	0
				1770	132572	23.55	24	0
		50 RB	0	1720	132072	22.50	23	0-1
				1745	132322	22.43	23	0-1
				1770	132572	22.59	23	0-1
			25	1720	132072	22.37	23	0-1
				1745	132322	22.35	23	0-1
				1770	132572	22.38	23	0-1
			50	1720	132072	22.46	23	0-1
				1745	132322	22.42	23	0-1
				1770	132572	22.43	23	0-1
		100RB		1720	132072	22.71	23	0-1
				1745	132322	22.61	23	0-1
				1770	132572	22.74	23	0-1
	16-QAM	1 RB	0	1720	132072	22.69	23	0-1
				1745	132322	22.84	23	0-1
				1770	132572	22.99	23	0-1
			50	1720	132072	22.78	23	0-1
				1745	132322	22.71	23	0-1
				1770	132572	22.68	23	0-1
			99	1720	132072	22.69	23	0-1
				1745	132322	22.88	23	0-1
				1770	132572	22.95	23	0-1
		50 RB	0	1720	132072	21.44	22	0-2
				1745	132322	21.31	22	0-2
				1770	132572	21.49	22	0-2
			25	1720	132072	21.45	22	0-2
				1745	132322	21.34	22	0-2
				1770	132572	21.32	22	0-2
			50	1720	132072	21.32	22	0-2
				1745	132322	21.39	22	0-2
				1770	132572	21.37	22	0-2
		100RB		1720	132072	21.70	22	0-2
				1745	132322	21.58	22	0-2
				1770	132572	21.63	22	0-2

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FDD Band 66								
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	23.41	24	0
				1745	132322	23.57	24	0
				1772.5	132597	23.60	24	0
			36	1717.5	132047	23.53	24	0
				1745	132322	23.37	24	0
				1772.5	132597	23.34	24	0
			74	1717.5	132047	23.35	24	0
				1745	132322	23.60	24	0
				1772.5	132597	23.54	24	0
		36 RB	0	1717.5	132047	22.41	23	0-1
				1745	132322	22.41	23	0-1
				1772.5	132597	22.58	23	0-1
			18	1717.5	132047	22.52	23	0-1
				1745	132322	22.45	23	0-1
				1772.5	132597	22.37	23	0-1
			37	1717.5	132047	22.41	23	0-1
				1745	132322	22.39	23	0-1
				1772.5	132597	22.39	23	0-1
		75RB		1717.5	132047	22.63	23	0-1
				1745	132322	22.59	23	0-1
				1772.5	132597	22.64	23	0-1
	16-QAM	1 RB	0	1717.5	132047	22.67	23	0-1
				1745	132322	22.84	23	0-1
				1772.5	132597	22.96	23	0-1
			36	1717.5	132047	22.72	23	0-1
				1745	132322	22.65	23	0-1
				1772.5	132597	22.61	23	0-1
			74	1717.5	132047	22.64	23	0-1
				1745	132322	22.82	23	0-1
				1772.5	132597	22.90	23	0-1
		36 RB	0	1717.5	132047	21.40	22	0-2
				1745	132322	21.23	22	0-2
				1772.5	132597	21.43	22	0-2
			18	1717.5	132047	21.43	22	0-2
				1745	132322	21.27	22	0-2
				1772.5	132597	21.27	22	0-2
			37	1717.5	132047	21.32	22	0-2
				1745	132322	21.34	22	0-2
				1772.5	132597	21.30	22	0-2
		75RB		1717.5	132047	21.64	22	0-2
				1745	132322	21.49	22	0-2
				1772.5	132597	21.56	22	0-2

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FDD Band 66								
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	23.32	24	0
				1745	132322	23.48	24	0
				1775	132622	23.57	24	0
			25	1715	132022	23.51	24	0
				1745	132322	23.28	24	0
				1775	132622	23.32	24	0
			49	1715	132022	23.30	24	0
				1745	132322	23.55	24	0
				1775	132622	23.46	24	0
		25 RB	0	1715	132022	22.33	23	0-1
				1745	132322	22.33	23	0-1
				1775	132622	22.56	23	0-1
			12	1715	132022	22.51	23	0-1
				1745	132322	22.42	23	0-1
				1775	132622	22.33	23	0-1
			25	1715	132022	22.41	23	0-1
				1745	132322	22.39	23	0-1
				1775	132622	22.31	23	0-1
		50RB		1715	132022	22.59	23	0-1
				1745	132322	22.50	23	0-1
				1775	132622	22.60	23	0-1
	16-QAM	1 RB	0	1715	132022	22.62	23	0-1
				1745	132322	22.80	23	0-1
				1775	132622	22.94	23	0-1
			25	1715	132022	22.72	23	0-1
				1745	132322	22.57	23	0-1
				1775	132622	22.52	23	0-1
			49	1715	132022	22.62	23	0-1
				1745	132322	22.79	23	0-1
				1775	132622	22.87	23	0-1
		25 RB	0	1715	132022	21.40	22	0-2
				1745	132322	21.14	22	0-2
				1775	132622	21.34	22	0-2
			12	1715	132022	21.36	22	0-2
				1745	132322	21.19	22	0-2
				1775	132622	21.18	22	0-2
			25	1715	132022	21.28	22	0-2
				1745	132322	21.28	22	0-2
				1775	132622	21.28	22	0-2
		50RB		1715	132022	21.55	22	0-2
				1745	132322	21.42	22	0-2
				1775	132622	21.53	22	0-2

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FDD Band 66								
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	23.28	24	0
				1745	132322	23.44	24	0
				1777.5	132647	23.53	24	0
			12	1712.5	131997	23.46	24	0
				1745	132322	23.21	24	0
				1777.5	132647	23.30	24	0
			24	1712.5	131997	23.22	24	0
				1745	132322	23.52	24	0
				1777.5	132647	23.39	24	0
		12 RB	0	1712.5	131997	22.28	23	0-1
				1745	132322	22.31	23	0-1
				1777.5	132647	22.47	23	0-1
			6	1712.5	131997	22.42	23	0-1
				1745	132322	22.37	23	0-1
				1777.5	132647	22.25	23	0-1
			13	1712.5	131997	22.41	23	0-1
				1745	132322	22.37	23	0-1
				1777.5	132647	22.25	23	0-1
		25RB		1712.5	131997	22.53	23	0-1
				1745	132322	22.43	23	0-1
				1777.5	132647	22.55	23	0-1
	16-QAM	1 RB	0	1712.5	131997	22.58	23	0-1
				1745	132322	22.76	23	0-1
				1777.5	132647	22.87	23	0-1
			12	1712.5	131997	22.68	23	0-1
				1745	132322	22.54	23	0-1
				1777.5	132647	22.45	23	0-1
			24	1712.5	131997	22.53	23	0-1
				1745	132322	22.74	23	0-1
				1777.5	132647	22.81	23	0-1
		12 RB	0	1712.5	131997	21.33	22	0-2
				1745	132322	21.09	22	0-2
				1777.5	132647	21.25	22	0-2
			6	1712.5	131997	21.30	22	0-2
				1745	132322	21.11	22	0-2
				1777.5	132647	21.15	22	0-2
			13	1712.5	131997	21.24	22	0-2
				1745	132322	21.21	22	0-2
				1777.5	132647	21.26	22	0-2
		25RB		1712.5	131997	21.50	22	0-2
				1745	132322	21.37	22	0-2
				1777.5	132647	21.52	22	0-2

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FDD Band 66								
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	23.28	24	0
				1745	132322	23.43	24	0
				1778.5	132657	23.53	24	0
			7	1711.5	131987	23.43	24	0
				1745	132322	23.19	24	0
				1778.5	132657	23.28	24	0
			14	1711.5	131987	23.13	24	0
				1745	132322	23.48	24	0
				1778.5	132657	23.39	24	0
		8 RB	0	1711.5	131987	22.23	23	0-1
				1745	132322	22.30	23	0-1
				1778.5	132657	22.40	23	0-1
			4	1711.5	131987	22.41	23	0-1
				1745	132322	22.37	23	0-1
				1778.5	132657	22.19	23	0-1
			7	1711.5	131987	22.37	23	0-1
				1745	132322	22.36	23	0-1
				1778.5	132657	22.25	23	0-1
		15RB		1711.5	131987	22.46	23	0-1
				1745	132322	22.40	23	0-1
				1778.5	132657	22.48	23	0-1
	16-QAM	1 RB	0	1711.5	131987	22.58	23	0-1
				1745	132322	22.67	23	0-1
				1778.5	132657	22.85	23	0-1
			7	1711.5	131987	22.63	23	0-1
				1745	132322	22.51	23	0-1
				1778.5	132657	22.36	23	0-1
			14	1711.5	131987	22.45	23	0-1
				1745	132322	22.72	23	0-1
				1778.5	132657	22.72	23	0-1
		8 RB	0	1711.5	131987	21.25	22	0-2
				1745	132322	21.00	22	0-2
				1778.5	132657	21.19	22	0-2
			4	1711.5	131987	21.26	22	0-2
				1745	132322	21.03	22	0-2
				1778.5	132657	21.14	22	0-2
			7	1711.5	131987	21.22	22	0-2
				1745	132322	21.12	22	0-2
				1778.5	132657	21.21	22	0-2
		15RB		1711.5	131987	21.47	22	0-2
				1745	132322	21.36	22	0-2
				1778.5	132657	21.43	22	0-2

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FDD Band 66								
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	23.28	24	0
				1745	132322	23.41	24	0
				1779.3	132665	23.45	24	0
			2	1710.7	131979	23.41	24	0
				1745	132322	23.13	24	0
				1779.3	132665	23.26	24	0
			5	1710.7	131979	23.08	24	0
				1745	132322	23.44	24	0
				1779.3	132665	23.36	24	0
		3 RB	0	1710.7	131979	22.65	24	0
				1745	132322	22.76	24	0
				1779.3	132665	22.89	24	0
			2	1710.7	131979	22.90	24	0
				1745	132322	22.87	24	0
				1779.3	132665	22.63	24	0
			3	1710.7	131979	22.80	24	0
				1745	132322	22.78	24	0
				1779.3	132665	22.69	24	0
		6RB		1710.7	131979	22.37	23	0-1
				1745	132322	22.37	23	0-1
				1779.3	132665	22.39	23	0-1
	16-QAM	1 RB	0	1710.7	131979	22.57	23	0-1
				1745	132322	22.64	23	0-1
				1779.3	132665	22.82	23	0-1
			2	1710.7	131979	22.62	23	0-1
				1745	132322	22.47	23	0-1
				1779.3	132665	22.32	23	0-1
			5	1710.7	131979	22.43	23	0-1
				1745	132322	22.68	23	0-1
				1779.3	132665	22.64	23	0-1
		3 RB	0	1710.7	131979	22.52	23	0-1
				1745	132322	22.30	23	0-1
				1779.3	132665	22.49	23	0-1
			2	1710.7	131979	22.51	23	0-1
				1745	132322	22.31	23	0-1
				1779.3	132665	22.41	23	0-1
			3	1710.7	131979	22.44	23	0-1
				1745	132322	22.38	23	0-1
				1779.3	132665	22.43	23	0-1
		6RB		1710.7	131979	21.42	22	0-2
				1745	132322	21.29	22	0-2
				1779.3	132665	21.41	22	0-2

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LTE TDD Band 38 / Band 41 power table (Full power):

TDD Band 38								
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	2580	37850	22.78	24	0
				2595	38000	22.86	24	0
				2610	38150	22.95	24	0
			50	2580	37850	22.71	24	0
				2595	38000	22.73	24	0
				2610	38150	22.81	24	0
			99	2580	37850	22.73	24	0
				2595	38000	22.71	24	0
				2610	38150	22.76	24	0
		50 RB	0	2580	37850	21.64	23	0-1
				2595	38000	21.63	23	0-1
				2610	38150	21.67	23	0-1
			25	2580	37850	21.67	23	0-1
				2595	38000	21.65	23	0-1
				2610	38150	21.69	23	0-1
			50	2580	37850	21.69	23	0-1
				2595	38000	21.71	23	0-1
				2610	38150	21.76	23	0-1
		100RB		2580	37850	21.68	23	0-1
				2595	38000	21.64	23	0-1
				2610	38150	21.71	23	0-1
	16-QAM	1 RB	0	2580	37850	21.62	23	0-1
				2595	38000	21.56	23	0-1
				2610	38150	21.65	23	0-1
			50	2580	37850	21.64	23	0-1
				2595	38000	21.71	23	0-1
				2610	38150	21.64	23	0-1
			99	2580	37850	21.77	23	0-1
				2595	38000	21.74	23	0-1
				2610	38150	21.78	23	0-1
		50 RB	0	2580	37850	20.64	22	0-2
				2595	38000	20.58	22	0-2
				2610	38150	20.52	22	0-2
			25	2580	37850	20.55	22	0-2
				2595	38000	20.48	22	0-2
				2610	38150	20.69	22	0-2
			50	2580	37850	20.54	22	0-2
				2595	38000	20.71	22	0-2
				2610	38150	20.64	22	0-2
		100RB		2580	37850	20.65	22	0-2
				2595	38000	20.58	22	0-2
				2610	38150	20.62	22	0-2

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TDD Band 38								
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	2577.5	37825	22.67	24	0
				2595	38000	22.69	24	0
				2612.5	38175	22.74	24	0
			36	2577.5	37825	22.57	24	0
				2595	38000	22.59	24	0
				2612.5	38175	22.78	24	0
			74	2577.5	37825	22.67	24	0
				2595	38000	22.86	24	0
				2612.5	38175	22.78	24	0
		36 RB	0	2577.5	37825	21.46	23	0-1
				2595	38000	21.58	23	0-1
				2612.5	38175	21.49	23	0-1
			18	2577.5	37825	21.60	23	0-1
				2595	38000	21.54	23	0-1
				2612.5	38175	21.61	23	0-1
			37	2577.5	37825	21.60	23	0-1
				2595	38000	21.67	23	0-1
				2612.5	38175	21.75	23	0-1
		75RB		2577.5	37825	21.67	23	0-1
				2595	38000	21.54	23	0-1
				2612.5	38175	21.67	23	0-1
	16-QAM	1 RB	0	2577.5	37825	21.51	23	0-1
				2595	38000	21.37	23	0-1
				2612.5	38175	21.56	23	0-1
			36	2577.5	37825	21.59	23	0-1
				2595	38000	21.55	23	0-1
				2612.5	38175	21.46	23	0-1
			74	2577.5	37825	21.69	23	0-1
				2595	38000	21.59	23	0-1
				2612.5	38175	21.76	23	0-1
		36 RB	0	2577.5	37825	20.53	22	0-2
				2595	38000	20.49	22	0-2
				2612.5	38175	20.47	22	0-2
			18	2577.5	37825	20.50	22	0-2
				2595	38000	20.31	22	0-2
				2612.5	38175	20.69	22	0-2
			37	2577.5	37825	20.35	22	0-2
				2595	38000	20.55	22	0-2
				2612.5	38175	20.59	22	0-2
		75RB		2577.5	37825	20.55	22	0-2
				2595	38000	20.48	22	0-2
				2612.5	38175	20.52	22	0-2

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TDD Band 38								
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	2575	37800	22.52	24	0
				2595	38000	22.57	24	0
				2615	38200	22.73	24	0
			25	2575	37800	22.57	24	0
				2595	38000	22.46	24	0
				2615	38200	22.76	24	0
			49	2575	37800	22.51	24	0
				2595	38000	22.86	24	0
				2615	38200	22.74	24	0
		25 RB	0	2575	37800	21.38	23	0-1
				2595	38000	21.53	23	0-1
				2615	38200	21.46	23	0-1
			12	2575	37800	21.54	23	0-1
				2595	38000	21.43	23	0-1
				2615	38200	21.55	23	0-1
			25	2575	37800	21.51	23	0-1
				2595	38000	21.50	23	0-1
				2615	38200	21.61	23	0-1
		50RB		2575	37800	21.50	23	0-1
				2595	38000	21.39	23	0-1
				2615	38200	21.49	23	0-1
	16-QAM	1 RB	0	2575	37800	21.36	23	0-1
				2595	38000	21.28	23	0-1
				2615	38200	21.42	23	0-1
			25	2575	37800	21.56	23	0-1
				2595	38000	21.49	23	0-1
				2615	38200	21.37	23	0-1
			49	2575	37800	21.56	23	0-1
				2595	38000	21.47	23	0-1
				2615	38200	21.60	23	0-1
		25 RB	0	2575	37800	20.35	22	0-2
				2595	38000	20.38	22	0-2
				2615	38200	20.43	22	0-2
			12	2575	37800	20.46	22	0-2
				2595	38000	20.24	22	0-2
				2615	38200	20.54	22	0-2
			25	2575	37800	20.16	22	0-2
				2595	38000	20.43	22	0-2
				2615	38200	20.52	22	0-2
		50RB		2575	37800	20.44	22	0-2
				2595	38000	20.32	22	0-2
				2615	38200	20.48	22	0-2

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TDD Band 38								
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	2572.5	37775	22.46	24	0
				2595	38000	22.49	24	0
				2617.5	38225	22.64	24	0
			12	2572.5	37775	22.39	24	0
				2595	38000	22.37	24	0
				2617.5	38225	22.58	24	0
			24	2572.5	37775	22.39	24	0
				2595	38000	22.75	24	0
				2617.5	38225	22.59	24	0
		12 RB	0	2572.5	37775	21.29	23	0-1
				2595	38000	21.38	23	0-1
				2617.5	38225	21.41	23	0-1
			6	2572.5	37775	21.46	23	0-1
				2595	38000	21.39	23	0-1
				2617.5	38225	21.42	23	0-1
			13	2572.5	37775	21.44	23	0-1
				2595	38000	21.37	23	0-1
				2617.5	38225	21.50	23	0-1
		25RB		2572.5	37775	21.50	23	0-1
				2595	38000	21.25	23	0-1
				2617.5	38225	21.45	23	0-1
	16-QAM	1 RB	0	2572.5	37775	21.29	23	0-1
				2595	38000	21.09	23	0-1
				2617.5	38225	21.33	23	0-1
			12	2572.5	37775	21.41	23	0-1
				2595	38000	21.34	23	0-1
				2617.5	38225	21.22	23	0-1
			24	2572.5	37775	21.52	23	0-1
				2595	38000	21.45	23	0-1
				2617.5	38225	21.60	23	0-1
		12 RB	0	2572.5	37775	20.22	22	0-2
				2595	38000	20.37	22	0-2
				2617.5	38225	20.38	22	0-2
			6	2572.5	37775	20.32	22	0-2
				2595	38000	20.15	22	0-2
				2617.5	38225	20.41	22	0-2
			13	2572.5	37775	20.04	22	0-2
				2595	38000	20.24	22	0-2
				2617.5	38225	20.46	22	0-2
		25RB		2572.5	37775	20.32	22	0-2
				2595	38000	20.32	22	0-2
				2617.5	38225	20.43	22	0-2

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TDD Band 41								
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	22.61	24	0
				2549.5	40185	22.55	24	0
				2593	40620	22.69	24	0
				2636.5	41055	22.78	24	0
				2680	41490	22.73	24	0
			50	2506	39750	22.41	24	0
				2549.5	40185	22.48	24	0
				2593	40620	22.51	24	0
				2636.5	41055	22.65	24	0
				2680	41490	22.62	24	0
			99	2506	39750	22.37	24	0
				2549.5	40185	22.45	24	0
				2593	40620	22.46	24	0
				2636.5	41055	22.74	24	0
				2680	41490	22.71	24	0
		50 RB	0	2506	39750	21.31	23	0-1
				2549.5	40185	21.43	23	0-1
				2593	40620	21.36	23	0-1
				2636.5	41055	21.55	23	0-1
				2680	41490	21.59	23	0-1
			25	2506	39750	21.36	23	0-1
				2549.5	40185	21.37	23	0-1
				2593	40620	21.42	23	0-1
				2636.5	41055	21.49	23	0-1
				2680	41490	21.57	23	0-1
			50	2506	39750	21.45	23	0-1
				2549.5	40185	21.44	23	0-1
				2593	40620	21.47	23	0-1
				2636.5	41055	21.62	23	0-1
				2680	41490	21.60	23	0-1
		100RB		2506	39750	21.49	23	0-1
				2549.5	40185	21.41	23	0-1
				2593	40620	21.42	23	0-1
				2636.5	41055	21.59	23	0-1
				2680	41490	21.57	23	0-1

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TDD Band 41								
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	21.27	23	0-1
				2549.5	40185	21.41	23	0-1
				2593	40620	21.28	23	0-1
				2636.5	41055	21.39	23	0-1
				2680	41490	21.56	23	0-1
			50	2506	39750	21.25	23	0-1
				2549.5	40185	21.46	23	0-1
				2593	40620	21.47	23	0-1
				2636.5	41055	21.49	23	0-1
				2680	41490	21.60	23	0-1
			99	2506	39750	21.61	23	0-1
				2549.5	40185	21.47	23	0-1
				2593	40620	21.61	23	0-1
				2636.5	41055	21.73	23	0-1
				2680	41490	21.62	23	0-1
		50 RB	0	2506	39750	20.28	22	0-2
				2549.5	40185	20.25	22	0-2
				2593	40620	20.23	22	0-2
				2636.5	41055	20.47	22	0-2
				2680	41490	20.58	22	0-2
			25	2506	39750	20.18	22	0-2
				2549.5	40185	20.20	22	0-2
				2593	40620	20.41	22	0-2
				2636.5	41055	20.39	22	0-2
				2680	41490	20.38	22	0-2
			50	2506	39750	20.32	22	0-2
				2549.5	40185	20.35	22	0-2
				2593	40620	20.30	22	0-2
				2636.5	41055	20.39	22	0-2
				2680	41490	20.60	22	0-2
		100RB		2506	39750	20.40	22	0-2
				2549.5	40185	20.30	22	0-2
				2593	40620	20.25	22	0-2
				2636.5	41055	20.39	22	0-2
				2680	41490	20.57	22	0-2

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TDD Band 41								
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	22.28	24	0
				2548.3	40173	22.36	24	0
				2593	40620	22.31	24	0
				2637.8	41068	22.42	24	0
				2682.5	41515	22.54	24	0
			36	2503.5	39725	22.31	24	0
				2548.3	40173	22.48	24	0
				2593	40620	22.33	24	0
				2637.8	41068	22.65	24	0
				2682.5	41515	22.58	24	0
			74	2503.5	39725	22.50	24	0
				2548.3	40173	22.47	24	0
				2593	40620	22.67	24	0
				2637.8	41068	22.70	24	0
				2682.5	41515	22.61	24	0
		36 RB	0	2503.5	39725	21.26	23	0-1
				2548.3	40173	21.36	23	0-1
				2593	40620	21.24	23	0-1
				2637.8	41068	21.45	23	0-1
				2682.5	41515	21.46	23	0-1
			18	2503.5	39725	21.27	23	0-1
				2548.3	40173	21.36	23	0-1
				2593	40620	21.32	23	0-1
				2637.8	41068	21.43	23	0-1
				2682.5	41515	21.41	23	0-1
			37	2503.5	39725	21.28	23	0-1
				2548.3	40173	21.29	23	0-1
				2593	40620	21.33	23	0-1
				2637.8	41068	21.43	23	0-1
				2682.5	41515	21.48	23	0-1
		75RB		2503.5	39725	21.39	23	0-1
				2548.3	40173	21.40	23	0-1
				2593	40620	21.39	23	0-1
				2637.8	41068	21.38	23	0-1
				2682.5	41515	21.50	23	0-1

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TDD Band 41								
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	21.10	23	0-1
				2548.3	40173	21.39	23	0-1
				2593	40620	21.14	23	0-1
				2637.8	41068	21.24	23	0-1
				2682.5	41515	21.56	23	0-1
			36	2503.5	39725	21.08	23	0-1
				2548.3	40173	21.38	23	0-1
				2593	40620	21.30	23	0-1
				2637.8	41068	21.38	23	0-1
				2682.5	41515	21.51	23	0-1
			74	2503.5	39725	21.45	23	0-1
				2548.3	40173	21.45	23	0-1
				2593	40620	21.57	23	0-1
				2637.8	41068	21.69	23	0-1
				2682.5	41515	21.59	23	0-1
		36 RB	0	2503.5	39725	20.28	22	0-2
				2548.3	40173	20.13	22	0-2
				2593	40620	20.16	22	0-2
				2637.8	41068	20.42	22	0-2
				2682.5	41515	20.42	22	0-2
			18	2503.5	39725	20.02	22	0-2
				2548.3	40173	20.13	22	0-2
				2593	40620	20.26	22	0-2
				2637.8	41068	20.38	22	0-2
				2682.5	41515	20.36	22	0-2
			37	2503.5	39725	20.30	22	0-2
				2548.3	40173	20.24	22	0-2
				2593	40620	20.16	22	0-2
				2637.8	41068	20.21	22	0-2
				2682.5	41515	20.46	22	0-2
		75RB		2503.5	39725	20.29	22	0-2
				2548.3	40173	20.26	22	0-2
				2593	40620	20.13	22	0-2
				2637.8	41068	20.34	22	0-2
				2682.5	41515	20.53	22	0-2

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TDD Band 41								
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	22.20	24	0
				2547	40160	22.20	24	0
				2593	40620	22.29	24	0
				2639	41080	22.27	24	0
				2685	41540	22.37	24	0
			25	2501	39700	22.19	24	0
				2547	40160	22.43	24	0
				2593	40620	22.24	24	0
				2639	41080	22.62	24	0
				2685	41540	22.55	24	0
			49	2501	39700	22.48	24	0
				2547	40160	22.31	24	0
				2593	40620	22.64	24	0
				2639	41080	22.61	24	0
				2685	41540	22.49	24	0
		25 RB	0	2501	39700	21.24	23	0-1
				2547	40160	21.36	23	0-1
				2593	40620	21.08	23	0-1
				2639	41080	21.37	23	0-1
				2685	41540	21.41	23	0-1
			12	2501	39700	21.19	23	0-1
				2547	40160	21.29	23	0-1
				2593	40620	21.28	23	0-1
				2639	41080	21.24	23	0-1
				2685	41540	21.34	23	0-1
			25	2501	39700	21.13	23	0-1
				2547	40160	21.17	23	0-1
				2593	40620	21.22	23	0-1
				2639	41080	21.24	23	0-1
				2685	41540	21.36	23	0-1
		50RB		2501	39700	21.29	23	0-1
				2547	40160	21.40	23	0-1
				2593	40620	21.31	23	0-1
				2639	41080	21.25	23	0-1
				2685	41540	21.36	23	0-1

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TDD Band 41								
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	21.26	23	0-1
				2547	40160	21.63	23	0-1
				2593	40620	21.32	23	0-1
				2639	41080	21.36	23	0-1
				2685	41540	21.73	23	0-1
			25	2501	39700	21.26	23	0-1
				2547	40160	21.68	23	0-1
				2593	40620	21.53	23	0-1
				2639	41080	21.57	23	0-1
				2685	41540	21.65	23	0-1
			49	2501	39700	21.69	23	0-1
				2547	40160	21.57	23	0-1
				2593	40620	21.87	23	0-1
				2639	41080	21.87	23	0-1
				2685	41540	21.82	23	0-1
		25 RB	0	2501	39700	20.58	22	0-2
				2547	40160	20.34	22	0-2
				2593	40620	20.30	22	0-2
				2639	41080	20.62	22	0-2
				2685	41540	20.55	22	0-2
			12	2501	39700	20.25	22	0-2
				2547	40160	20.25	22	0-2
				2593	40620	20.43	22	0-2
				2639	41080	20.61	22	0-2
				2685	41540	20.48	22	0-2
			25	2501	39700	20.54	22	0-2
				2547	40160	20.46	22	0-2
				2593	40620	20.28	22	0-2
				2639	41080	20.45	22	0-2
				2685	41540	20.63	22	0-2
		50RB		2501	39700	20.49	22	0-2
				2547	40160	20.54	22	0-2
				2593	40620	20.24	22	0-2
				2639	41080	20.60	22	0-2
				2685	41540	20.83	22	0-2

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TDD Band 41								
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	22.17	24	0
				2547.8	40148	22.17	24	0
				2593	40620	22.15	24	0
				2640.3	41093	22.26	24	0
				2687.5	41565	22.34	24	0
			12	2498.5	39675	22.11	24	0
				2547.8	40148	22.39	24	0
				2593	40620	22.15	24	0
				2640.3	41093	22.57	24	0
				2687.5	41565	22.49	24	0
			24	2498.5	39675	22.31	24	0
				2547.8	40148	22.29	24	0
				2593	40620	22.57	24	0
				2640.3	41093	22.60	24	0
				2687.5	41565	22.42	24	0
		12 RB	0	2498.5	39675	21.24	23	0-1
				2547.8	40148	21.17	23	0-1
				2593	40620	21.08	23	0-1
				2640.3	41093	21.20	23	0-1
				2687.5	41565	21.34	23	0-1
			6	2498.5	39675	21.05	23	0-1
				2547.8	40148	21.11	23	0-1
				2593	40620	21.24	23	0-1
				2640.3	41093	21.12	23	0-1
				2687.5	41565	21.27	23	0-1
			13	2498.5	39675	21.10	23	0-1
				2547.8	40148	21.03	23	0-1
				2593	40620	21.16	23	0-1
				2640.3	41093	21.17	23	0-1
				2687.5	41565	21.31	23	0-1
		25RB		2498.5	39675	21.22	23	0-1
				2547.8	40148	21.28	23	0-1
				2593	40620	21.21	23	0-1
				2640.3	41093	21.15	23	0-1
				2687.5	41565	21.21	23	0-1

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TDD Band 41								
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	21.10	23	0-1
				2547.8	40148	21.51	23	0-1
				2593	40620	21.15	23	0-1
				2640.3	41093	21.22	23	0-1
				2687.5	41565	21.57	23	0-1
			12	2498.5	39675	21.06	23	0-1
				2547.8	40148	21.54	23	0-1
				2593	40620	21.42	23	0-1
				2640.3	41093	21.41	23	0-1
				2687.5	41565	21.51	23	0-1
			24	2498.5	39675	21.49	23	0-1
				2547.8	40148	21.31	23	0-1
				2593	40620	21.69	23	0-1
				2640.3	41093	21.62	23	0-1
				2687.5	41565	21.64	23	0-1
		12 RB	0	2498.5	39675	20.30	22	0-2
				2547.8	40148	20.17	22	0-2
				2593	40620	20.09	22	0-2
				2640.3	41093	20.47	22	0-2
				2687.5	41565	20.44	22	0-2
			6	2498.5	39675	20.08	22	0-2
				2547.8	40148	20.03	22	0-2
				2593	40620	20.14	22	0-2
				2640.3	41093	20.35	22	0-2
				2687.5	41565	20.19	22	0-2
			13	2498.5	39675	20.41	22	0-2
				2547.8	40148	20.18	22	0-2
				2593	40620	20.11	22	0-2
				2640.3	41093	20.32	22	0-2
				2687.5	41565	20.35	22	0-2
		25RB		2498.5	39675	20.36	22	0-2
				2547.8	40148	20.33	22	0-2
				2593	40620	20.05	22	0-2
				2640.3	41093	20.40	22	0-2
				2687.5	41565	20.55	22	0-2

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 17 / Band 26 / Band 30 / Band 66 power table (Reduced power):

FDD Band 2								
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	20.49	20.5	0
				1880	18900	20.50	20.5	0
				1900	19100	20.48	20.5	0
			50	1860	18700	20.34	20.5	0
				1880	18900	20.46	20.5	0
				1900	19100	20.42	20.5	0
			99	1860	18700	20.44	20.5	0
				1880	18900	20.48	20.5	0
				1900	19100	20.42	20.5	0
		50 RB	0	1860	18700	20.21	20.5	0
				1880	18900	20.28	20.5	0
				1900	19100	20.11	20.5	0
			25	1860	18700	20.07	20.5	0
				1880	18900	20.22	20.5	0
				1900	19100	20.10	20.5	0
			50	1860	18700	20.08	20.5	0
				1880	18900	20.24	20.5	0
				1900	19100	20.04	20.5	0
		100RB		1860	18700	20.29	20.5	0
				1880	18900	20.33	20.5	0
				1900	19100	20.21	20.5	0
	16-QAM	1 RB	0	1860	18700	20.24	20.5	0
				1880	18900	20.21	20.5	0
				1900	19100	20.18	20.5	0
			50	1860	18700	20.04	20.5	0
				1880	18900	20.14	20.5	0
				1900	19100	20.09	20.5	0
			99	1860	18700	20.16	20.5	0
				1880	18900	20.11	20.5	0
				1900	19100	20.21	20.5	0
		50 RB	0	1860	18700	20.21	20.5	0
				1880	18900	20.24	20.5	0
				1900	19100	20.12	20.5	0
			25	1860	18700	20.06	20.5	0
				1880	18900	20.18	20.5	0
				1900	19100	20.17	20.5	0
			50	1860	18700	20.02	20.5	0
				1880	18900	20.20	20.5	0
				1900	19100	20.24	20.5	0
		100RB		1860	18700	20.23	20.5	0
				1880	18900	20.32	20.5	0
				1900	19100	20.42	20.5	0

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FDD Band 2								
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	20.40	20.5	0
				1880	18900	20.49	20.5	0
				1902.5	19125	20.42	20.5	0
			36	1857.5	18675	20.30	20.5	0
				1880	18900	20.44	20.5	0
				1902.5	19125	20.36	20.5	0
			74	1857.5	18675	20.40	20.5	0
				1880	18900	20.47	20.5	0
				1902.5	19125	20.39	20.5	0
		36 RB	0	1857.5	18675	20.17	20.5	0
				1880	18900	20.27	20.5	0
				1902.5	19125	20.10	20.5	0
			18	1857.5	18675	20.09	20.5	0
				1880	18900	20.16	20.5	0
				1902.5	19125	20.13	20.5	0
			37	1857.5	18675	19.99	20.5	0
				1880	18900	20.18	20.5	0
				1902.5	19125	20.21	20.5	0
		75RB		1857.5	18675	20.26	20.5	0
				1880	18900	20.27	20.5	0
				1902.5	19125	20.41	20.5	0
	16-QAM	1 RB	0	1857.5	18675	20.22	20.5	0
				1880	18900	20.13	20.5	0
				1902.5	19125	20.16	20.5	0
			36	1857.5	18675	20.02	20.5	0
				1880	18900	20.07	20.5	0
				1902.5	19125	20.03	20.5	0
			74	1857.5	18675	20.10	20.5	0
				1880	18900	20.05	20.5	0
				1902.5	19125	20.14	20.5	0
		36 RB	0	1857.5	18675	20.15	20.5	0
				1880	18900	20.24	20.5	0
				1902.5	19125	20.12	20.5	0
			18	1857.5	18675	20.01	20.5	0
				1880	18900	20.14	20.5	0
				1902.5	19125	20.15	20.5	0
			37	1857.5	18675	20.01	20.5	0
				1880	18900	20.18	20.5	0
				1902.5	19125	20.18	20.5	0
		75RB		1857.5	18675	20.15	20.5	0
				1880	18900	20.32	20.5	0
				1902.5	19125	20.36	20.5	0

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FDD Band 2								
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	20.31	20.5	0
				1880	18900	20.44	20.5	0
				1905	19150	20.41	20.5	0
			25	1855	18650	20.24	20.5	0
				1880	18900	20.44	20.5	0
				1905	19150	20.30	20.5	0
			49	1855	18650	20.37	20.5	0
				1880	18900	20.47	20.5	0
				1905	19150	20.34	20.5	0
		25 RB	0	1855	18650	20.08	20.5	0
				1880	18900	20.21	20.5	0
				1905	19150	20.04	20.5	0
			12	1855	18650	20.04	20.5	0
				1880	18900	20.10	20.5	0
				1905	19150	20.10	20.5	0
			25	1855	18650	19.92	20.5	0
				1880	18900	20.16	20.5	0
				1905	19150	20.19	20.5	0
		50RB		1855	18650	20.18	20.5	0
				1880	18900	20.18	20.5	0
				1905	19150	20.36	20.5	0
	16-QAM	1 RB	0	1855	18650	20.15	20.5	0
				1880	18900	20.13	20.5	0
				1905	19150	20.15	20.5	0
			25	1855	18650	19.99	20.5	0
				1880	18900	19.99	20.5	0
				1905	19150	19.95	20.5	0
			49	1855	18650	20.08	20.5	0
				1880	18900	19.98	20.5	0
				1905	19150	20.06	20.5	0
		25 RB	0	1855	18650	20.10	20.5	0
				1880	18900	20.17	20.5	0
				1905	19150	20.08	20.5	0
			12	1855	18650	19.94	20.5	0
				1880	18900	20.13	20.5	0
				1905	19150	20.11	20.5	0
			25	1855	18650	19.94	20.5	0
				1880	18900	20.09	20.5	0
				1905	19150	20.15	20.5	0
		50RB		1855	18650	20.15	20.5	0
				1880	18900	20.32	20.5	0
				1905	19150	20.31	20.5	0

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FDD Band 2								
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	20.22	20.5	0
				1880	18900	20.36	20.5	0
				1907.5	19175	20.38	20.5	0
			12	1852.5	18625	20.17	20.5	0
				1880	18900	20.38	20.5	0
				1907.5	19175	20.13	20.5	0
			24	1852.5	18625	20.32	20.5	0
				1880	18900	20.37	20.5	0
				1907.5	19175	20.31	20.5	0
		12 RB	0	1852.5	18625	20.00	20.5	0
				1880	18900	20.10	20.5	0
				1907.5	19175	20.00	20.5	0
			6	1852.5	18625	19.98	20.5	0
				1880	18900	19.98	20.5	0
				1907.5	19175	19.96	20.5	0
			13	1852.5	18625	19.92	20.5	0
				1880	18900	20.03	20.5	0
				1907.5	19175	20.06	20.5	0
		25RB		1852.5	18625	20.14	20.5	0
				1880	18900	20.15	20.5	0
				1907.5	19175	20.27	20.5	0
	16-QAM	1 RB	0	1852.5	18625	20.11	20.5	0
				1880	18900	19.99	20.5	0
				1907.5	19175	20.04	20.5	0
			12	1852.5	18625	19.92	20.5	0
				1880	18900	19.87	20.5	0
				1907.5	19175	19.95	20.5	0
			24	1852.5	18625	19.93	20.5	0
				1880	18900	19.90	20.5	0
				1907.5	19175	19.94	20.5	0
		12 RB	0	1852.5	18625	20.04	20.5	0
				1880	18900	20.13	20.5	0
				1907.5	19175	19.99	20.5	0
			6	1852.5	18625	19.86	20.5	0
				1880	18900	20.02	20.5	0
				1907.5	19175	20.02	20.5	0
			13	1852.5	18625	19.85	20.5	0
				1880	18900	19.98	20.5	0
				1907.5	19175	20.00	20.5	0
		25RB		1852.5	18625	20.14	20.5	0
				1880	18900	20.22	20.5	0
				1907.5	19175	20.26	20.5	0

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FDD Band 2								
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	20.18	20.5	0
				1880	18900	20.31	20.5	0
				1908.5	19185	20.32	20.5	0
			7	1851.5	18615	20.16	20.5	0
				1880	18900	20.38	20.5	0
				1908.5	19185	20.09	20.5	0
			14	1851.5	18615	20.23	20.5	0
				1880	18900	20.34	20.5	0
				1908.5	19185	20.24	20.5	0
		8 RB	0	1851.5	18615	19.98	20.5	0
				1880	18900	20.04	20.5	0
				1908.5	19185	19.99	20.5	0
			4	1851.5	18615	19.93	20.5	0
				1880	18900	19.91	20.5	0
				1908.5	19185	19.87	20.5	0
			7	1851.5	18615	19.91	20.5	0
				1880	18900	19.94	20.5	0
				1908.5	19185	20.04	20.5	0
		15RB		1851.5	18615	20.06	20.5	0
				1880	18900	20.11	20.5	0
				1908.5	19185	20.26	20.5	0
	16-QAM	1 RB	0	1851.5	18615	20.03	20.5	0
				1880	18900	19.90	20.5	0
				1908.5	19185	19.96	20.5	0
			7	1851.5	18615	19.88	20.5	0
				1880	18900	19.80	20.5	0
				1908.5	19185	19.86	20.5	0
			14	1851.5	18615	19.93	20.5	0
				1880	18900	19.83	20.5	0
				1908.5	19185	19.93	20.5	0
		8 RB	0	1851.5	18615	20.01	20.5	0
				1880	18900	20.05	20.5	0
				1908.5	19185	19.98	20.5	0
			4	1851.5	18615	19.81	20.5	0
				1880	18900	20.00	20.5	0
				1908.5	19185	19.99	20.5	0
			7	1851.5	18615	19.77	20.5	0
				1880	18900	19.95	20.5	0
				1908.5	19185	19.91	20.5	0
		15RB		1851.5	18615	20.14	20.5	0
				1880	18900	20.16	20.5	0
				1908.5	19185	20.22	20.5	0

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FDD Band 2								
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	20.15	20.5	0
				1880	18900	20.31	20.5	0
				1909.3	19193	20.25	20.5	0
			2	1850.7	18607	20.12	20.5	0
				1880	18900	20.38	20.5	0
				1909.3	19193	20.06	20.5	0
			5	1850.7	18607	20.23	20.5	0
				1880	18900	20.33	20.5	0
				1909.3	19193	20.21	20.5	0
		3 RB	0	1850.7	18607	19.97	20.5	0
				1880	18900	19.95	20.5	0
				1909.3	19193	19.91	20.5	0
			2	1850.7	18607	19.92	20.5	0
				1880	18900	19.84	20.5	0
				1909.3	19193	19.84	20.5	0
			3	1850.7	18607	19.85	20.5	0
				1880	18900	19.89	20.5	0
				1909.3	19193	19.96	20.5	0
		6RB		1850.7	18607	20.04	20.5	0
				1880	18900	20.03	20.5	0
				1909.3	19193	20.26	20.5	0
	16-QAM	1 RB	0	1850.7	18607	20.02	20.5	0
				1880	18900	19.82	20.5	0
				1909.3	19193	19.92	20.5	0
			2	1850.7	18607	19.83	20.5	0
				1880	18900	19.71	20.5	0
				1909.3	19193	19.80	20.5	0
			5	1850.7	18607	19.90	20.5	0
				1880	18900	19.75	20.5	0
				1909.3	19193	19.91	20.5	0
		3 RB	0	1850.7	18607	19.97	20.5	0
				1880	18900	20.01	20.5	0
				1909.3	19193	19.95	20.5	0
			2	1850.7	18607	19.75	20.5	0
				1880	18900	19.93	20.5	0
				1909.3	19193	19.98	20.5	0
			3	1850.7	18607	19.71	20.5	0
				1880	18900	19.95	20.5	0
				1909.3	19193	19.85	20.5	0
		6RB		1850.7	18607	20.14	20.5	0
				1880	18900	20.08	20.5	0
				1909.3	19193	20.18	20.5	0

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FDD Band 4								
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	19.98	20	0
				1732.5	20175	20.00	20	0
				1745	20300	19.96	20	0
			50	1720	20050	19.82	20	0
				1732.5	20175	19.80	20	0
				1745	20300	19.89	20	0
			99	1720	20050	19.92	20	0
				1732.5	20175	19.93	20	0
				1745	20300	19.92	20	0
		50 RB	0	1720	20050	19.86	20	0
				1732.5	20175	19.91	20	0
				1745	20300	19.87	20	0
			25	1720	20050	19.78	20	0
				1732.5	20175	19.56	20	0
				1745	20300	19.73	20	0
			50	1720	20050	19.70	20	0
				1732.5	20175	19.55	20	0
				1745	20300	19.85	20	0
		100RB		1720	20050	19.60	20	0
				1732.5	20175	19.77	20	0
				1745	20300	19.71	20	0
	16-QAM	1 RB	0	1720	20050	19.72	20	0
				1732.5	20175	19.77	20	0
				1745	20300	19.65	20	0
			50	1720	20050	19.74	20	0
				1732.5	20175	19.47	20	0
				1745	20300	19.64	20	0
			99	1720	20050	19.62	20	0
				1732.5	20175	19.60	20	0
				1745	20300	19.77	20	0
		50 RB	0	1720	20050	19.81	20	0
				1732.5	20175	19.65	20	0
				1745	20300	19.61	20	0
			25	1720	20050	19.75	20	0
				1732.5	20175	19.53	20	0
				1745	20300	19.70	20	0
			50	1720	20050	19.65	20	0
				1732.5	20175	19.52	20	0
				1745	20300	19.82	20	0
		100RB		1720	20050	19.93	20	0
				1732.5	20175	19.63	20	0
				1745	20300	19.87	20	0

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FDD Band 4								
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	19.92	20	0
				1732.5	20175	19.91	20	0
				1747.5	20325	19.88	20	0
			36	1717.5	20025	19.78	20	0
				1732.5	20175	19.74	20	0
				1747.5	20325	19.80	20	0
			74	1717.5	20025	19.85	20	0
				1732.5	20175	19.81	20	0
				1747.5	20325	19.91	20	0
		36 RB	0	1717.5	20025	19.80	20	0
				1732.5	20175	19.67	20	0
				1747.5	20325	19.59	20	0
			18	1717.5	20025	19.76	20	0
				1732.5	20175	19.51	20	0
				1747.5	20325	19.71	20	0
			37	1717.5	20025	19.62	20	0
				1732.5	20175	19.50	20	0
				1747.5	20325	19.81	20	0
		75RB		1717.5	20025	19.84	20	0
				1732.5	20175	19.58	20	0
				1747.5	20325	19.83	20	0
	16-QAM	1 RB	0	1717.5	20025	19.68	20	0
				1732.5	20175	19.76	20	0
				1747.5	20325	19.60	20	0
			36	1717.5	20025	19.71	20	0
				1732.5	20175	19.43	20	0
				1747.5	20325	19.56	20	0
			74	1717.5	20025	19.57	20	0
				1732.5	20175	19.56	20	0
				1747.5	20325	19.72	20	0
		36 RB	0	1717.5	20025	19.72	20	0
				1732.5	20175	19.61	20	0
				1747.5	20325	19.58	20	0
			18	1717.5	20025	19.72	20	0
				1732.5	20175	19.44	20	0
				1747.5	20325	19.70	20	0
			37	1717.5	20025	19.64	20	0
				1732.5	20175	19.51	20	0
				1747.5	20325	19.76	20	0
		75RB		1717.5	20025	19.55	20	0
				1732.5	20175	19.57	20	0
				1747.5	20325	19.71	20	0

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FDD Band 4								
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	19.81	20	0
				1732.5	20175	19.80	20	0
				1750	20350	19.74	20	0
			25	1715	20000	19.75	20	0
				1732.5	20175	19.68	20	0
				1750	20350	19.70	20	0
			49	1715	20000	19.82	20	0
				1732.5	20175	19.74	20	0
				1750	20350	19.84	20	0
		25 RB	0	1715	20000	19.69	20	0
				1732.5	20175	19.54	20	0
				1750	20350	19.55	20	0
			12	1715	20000	19.69	20	0
				1732.5	20175	19.44	20	0
				1750	20350	19.62	20	0
			25	1715	20000	19.52	20	0
				1732.5	20175	19.43	20	0
				1750	20350	19.69	20	0
		50RB		1715	20000	19.72	20	0
				1732.5	20175	19.48	20	0
				1750	20350	19.72	20	0
	16-QAM	1 RB	0	1715	20000	19.63	20	0
				1732.5	20175	19.67	20	0
				1750	20350	19.49	20	0
			25	1715	20000	19.64	20	0
				1732.5	20175	19.33	20	0
				1750	20350	19.42	20	0
			49	1715	20000	19.53	20	0
				1732.5	20175	19.42	20	0
				1750	20350	19.57	20	0
		25 RB	0	1715	20000	19.63	20	0
				1732.5	20175	19.55	20	0
				1750	20350	19.50	20	0
			12	1715	20000	19.66	20	0
				1732.5	20175	19.40	20	0
				1750	20350	19.57	20	0
			25	1715	20000	19.60	20	0
				1732.5	20175	19.50	20	0
				1750	20350	19.59	20	0
		50RB		1715	20000	19.39	20	0
				1732.5	20175	19.51	20	0
				1750	20350	19.53	20	0

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FDD Band 4								
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	19.67	20	0
				1732.5	20175	19.77	20	0
				1752.5	20375	19.69	20	0
			12	1712.5	19975	19.68	20	0
				1732.5	20175	19.62	20	0
				1752.5	20375	19.57	20	0
			24	1712.5	19975	19.69	20	0
				1732.5	20175	19.65	20	0
				1752.5	20375	19.81	20	0
		12 RB	0	1712.5	19975	19.59	20	0
				1732.5	20175	19.47	20	0
				1752.5	20375	19.41	20	0
			6	1712.5	19975	19.56	20	0
				1732.5	20175	19.35	20	0
				1752.5	20375	19.53	20	0
			13	1712.5	19975	19.42	20	0
				1732.5	20175	19.29	20	0
				1752.5	20375	19.68	20	0
		25RB		1712.5	19975	19.59	20	0
				1732.5	20175	19.40	20	0
				1752.5	20375	19.64	20	0
	16-QAM	1 RB	0	1712.5	19975	19.55	20	0
				1732.5	20175	19.58	20	0
				1752.5	20375	19.37	20	0
			12	1712.5	19975	19.59	20	0
				1732.5	20175	19.24	20	0
				1752.5	20375	19.31	20	0
			24	1712.5	19975	19.41	20	0
				1732.5	20175	19.37	20	0
				1752.5	20375	19.52	20	0
		12 RB	0	1712.5	19975	19.54	20	0
				1732.5	20175	19.50	20	0
				1752.5	20375	19.41	20	0
			6	1712.5	19975	19.58	20	0
				1732.5	20175	19.29	20	0
				1752.5	20375	19.42	20	0
			13	1712.5	19975	19.46	20	0
				1732.5	20175	19.41	20	0
				1752.5	20375	19.55	20	0
		25RB		1712.5	19975	19.27	20	0
				1732.5	20175	19.39	20	0
				1752.5	20375	19.42	20	0

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FDD Band 4								
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	19.67	20	0
				1732.5	20175	19.77	20	0
				1753.5	20385	19.69	20	0
			7	1711.5	19965	19.68	20	0
				1732.5	20175	19.62	20	0
				1753.5	20385	19.57	20	0
			14	1711.5	19965	19.69	20	0
				1732.5	20175	19.65	20	0
				1753.5	20385	19.81	20	0
		8 RB	0	1711.5	19965	19.59	20	0
				1732.5	20175	19.47	20	0
				1753.5	20385	19.41	20	0
			4	1711.5	19965	19.56	20	0
				1732.5	20175	19.35	20	0
				1753.5	20385	19.53	20	0
			7	1711.5	19965	19.42	20	0
				1732.5	20175	19.29	20	0
				1753.5	20385	19.68	20	0
		15RB		1711.5	19965	19.59	20	0
				1732.5	20175	19.40	20	0
				1753.5	20385	19.64	20	0
	16-QAM	1 RB	0	1711.5	19965	19.55	20	0
				1732.5	20175	19.58	20	0
				1753.5	20385	19.37	20	0
			7	1711.5	19965	19.59	20	0
				1732.5	20175	19.24	20	0
				1753.5	20385	19.31	20	0
			14	1711.5	19965	19.41	20	0
				1732.5	20175	19.37	20	0
				1753.5	20385	19.52	20	0
		8 RB	0	1711.5	19965	19.54	20	0
				1732.5	20175	19.50	20	0
				1753.5	20385	19.41	20	0
			4	1711.5	19965	19.58	20	0
				1732.5	20175	19.29	20	0
				1753.5	20385	19.42	20	0
			7	1711.5	19965	19.46	20	0
				1732.5	20175	19.41	20	0
				1753.5	20385	19.55	20	0
		15RB		1711.5	19965	19.27	20	0
				1732.5	20175	19.39	20	0
				1753.5	20385	19.42	20	0

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FDD Band 4								
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	19.66	20	0
				1732.5	20175	19.70	20	0
				1754.3	20393	19.60	20	0
			2	1710.7	19957	19.62	20	0
				1732.5	20175	19.61	20	0
				1754.3	20393	19.49	20	0
			5	1710.7	19957	19.65	20	0
				1732.5	20175	19.65	20	0
				1754.3	20393	19.81	20	0
		3 RB	0	1710.7	19957	19.58	20	0
				1732.5	20175	19.45	20	0
				1754.3	20393	19.33	20	0
			2	1710.7	19957	19.50	20	0
				1732.5	20175	19.26	20	0
				1754.3	20393	19.49	20	0
			3	1710.7	19957	19.35	20	0
				1732.5	20175	19.28	20	0
				1754.3	20393	19.64	20	0
		6RB		1710.7	19957	19.50	20	0
				1732.5	20175	19.39	20	0
				1754.3	20393	19.60	20	0
	16-QAM	1 RB	0	1710.7	19957	19.50	20	0
				1732.5	20175	19.52	20	0
				1754.3	20393	19.29	20	0
			2	1710.7	19957	19.54	20	0
				1732.5	20175	19.18	20	0
				1754.3	20393	19.22	20	0
			5	1710.7	19957	19.39	20	0
				1732.5	20175	19.30	20	0
				1754.3	20393	19.46	20	0
		3 RB	0	1710.7	19957	19.47	20	0
				1732.5	20175	19.49	20	0
				1754.3	20393	19.38	20	0
			2	1710.7	19957	19.58	20	0
				1732.5	20175	19.28	20	0
				1754.3	20393	19.39	20	0
			3	1710.7	19957	19.41	20	0
				1732.5	20175	19.41	20	0
				1754.3	20393	19.46	20	0
		6RB		1710.7	19957	19.23	20	0
				1732.5	20175	19.32	20	0
				1754.3	20393	19.39	20	0

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FDD Band 5								
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	20.80	21	0
				836.5	20525	20.84	21	0
				844	20600	20.78	21	0
			25	829	20450	20.63	21	0
				836.5	20525	20.74	21	0
				844	20600	20.68	21	0
			49	829	20450	20.54	21	0
				836.5	20525	20.83	21	0
				844	20600	20.61	21	0
		25 RB	0	829	20450	20.33	21	0
				836.5	20525	20.50	21	0
				844	20600	20.53	21	0
			12	829	20450	20.42	21	0
				836.5	20525	20.59	21	0
				844	20600	20.57	21	0
			25	829	20450	20.41	21	0
				836.5	20525	20.50	21	0
				844	20600	20.53	21	0
		50RB		829	20450	20.41	21	0
				836.5	20525	20.68	21	0
				844	20600	20.62	21	0
	16-QAM	1 RB	0	829	20450	20.27	21	0
				836.5	20525	20.46	21	0
				844	20600	20.43	21	0
			25	829	20450	20.27	21	0
				836.5	20525	20.37	21	0
				844	20600	20.44	21	0
			49	829	20450	20.37	21	0
				836.5	20525	20.41	21	0
				844	20600	20.48	21	0
		25 RB	0	829	20450	20.33	21	0
				836.5	20525	20.45	21	0
				844	20600	20.46	21	0
			12	829	20450	20.31	21	0
				836.5	20525	20.41	21	0
				844	20600	20.52	21	0
			25	829	20450	20.37	21	0
				836.5	20525	20.44	21	0
				844	20600	20.49	21	0
		500RB		829	20450	20.32	21	0
				836.5	20525	20.42	21	0
				844	20600	20.58	21	0

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FDD Band 5								
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	20.17	21	0
				836.5	20525	20.22	21	0
				846.5	20625	20.38	21	0
			12	826.5	20425	20.16	21	0
				836.5	20525	20.30	21	0
				846.5	20625	20.36	21	0
			24	826.5	20425	20.30	21	0
				836.5	20525	20.32	21	0
				846.5	20625	20.40	21	0
		12 RB	0	826.5	20425	20.22	21	0
				836.5	20525	20.28	21	0
				846.5	20625	20.32	21	0
			6	826.5	20425	20.17	21	0
				836.5	20525	20.32	21	0
				846.5	20625	20.38	21	0
			13	826.5	20425	20.33	21	0
				836.5	20525	20.36	21	0
				846.5	20625	20.45	21	0
		25RB		826.5	20425	20.22	21	0
				836.5	20525	20.36	21	0
				846.5	20625	20.42	21	0
	16-QAM	1 RB	0	826.5	20425	20.50	21	0
				836.5	20525	20.80	21	0
				846.5	20625	20.73	21	0
			12	826.5	20425	20.51	21	0
				836.5	20525	20.66	21	0
				846.5	20625	20.60	21	0
			24	826.5	20425	20.71	21	0
				836.5	20525	20.81	21	0
				846.5	20625	20.77	21	0
		12 RB	0	826.5	20425	20.32	21	0
				836.5	20525	20.52	21	0
				846.5	20625	20.40	21	0
			6	826.5	20425	20.28	21	0
				836.5	20525	20.48	21	0
				846.5	20625	20.49	21	0
			13	826.5	20425	20.41	21	0
				836.5	20525	20.39	21	0
				846.5	20625	20.50	21	0
		25RB		826.5	20425	20.38	21	0
				836.5	20525	20.37	21	0
				846.5	20625	20.48	21	0

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FDD Band 5								
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	20.08	21	0
				836.5	20525	20.07	21	0
				847.5	20635	20.35	21	0
			7	825.5	20415	20.02	21	0
				836.5	20525	20.26	21	0
				847.5	20635	20.20	21	0
			14	825.5	20415	20.20	21	0
				836.5	20525	20.27	21	0
				847.5	20635	20.27	21	0
		8 RB	0	825.5	20415	20.15	21	0
				836.5	20525	20.17	21	0
				847.5	20635	20.16	21	0
			4	825.5	20415	20.03	21	0
				836.5	20525	20.23	21	0
				847.5	20635	20.35	21	0
			7	825.5	20415	20.22	21	0
				836.5	20525	20.28	21	0
				847.5	20635	20.31	21	0
		15RB		825.5	20415	20.11	21	0
				836.5	20525	20.25	21	0
				847.5	20635	20.29	21	0
	16-QAM	1 RB	0	825.5	20415	20.34	21	0
				836.5	20525	20.71	21	0
				847.5	20635	20.69	21	0
			7	825.5	20415	20.43	21	0
				836.5	20525	20.56	21	0
				847.5	20635	20.50	21	0
			14	825.5	20415	20.63	21	0
				836.5	20525	20.73	21	0
				847.5	20635	20.66	21	0
		8 RB	0	825.5	20415	20.29	21	0
				836.5	20525	20.43	21	0
				847.5	20635	20.25	21	0
			4	825.5	20415	20.24	21	0
				836.5	20525	20.38	21	0
				847.5	20635	20.46	21	0
			7	825.5	20415	20.33	21	0
				836.5	20525	20.23	21	0
				847.5	20635	20.37	21	0
		15RB		825.5	20415	20.35	21	0
				836.5	20525	20.33	21	0
				847.5	20635	20.36	21	0

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FDD Band 5								
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	19.99	21	0
				836.5	20525	20.06	21	0
				848.3	20643	20.33	21	0
			2	824.7	20407	19.93	21	0
				836.5	20525	20.23	21	0
				848.3	20643	20.14	21	0
			5	824.7	20407	20.20	21	0
				836.5	20525	20.24	21	0
				848.3	20643	20.25	21	0
		3 RB	0	824.7	20407	20.09	21	0
				836.5	20525	20.13	21	0
				848.3	20643	20.10	21	0
			2	824.7	20407	19.96	21	0
				836.5	20525	20.14	21	0
				848.3	20643	20.28	21	0
			3	824.7	20407	20.19	21	0
				836.5	20525	20.26	21	0
				848.3	20643	20.24	21	0
		6RB		824.7	20407	20.11	21	0
				836.5	20525	20.21	21	0
				848.3	20643	20.20	21	0
	16-QAM	1 RB	0	824.7	20407	20.28	21	0
				836.5	20525	20.63	21	0
				848.3	20643	20.64	21	0
			2	824.7	20407	20.34	21	0
				836.5	20525	20.50	21	0
				848.3	20643	20.41	21	0
			5	824.7	20407	20.62	21	0
				836.5	20525	20.65	21	0
				848.3	20643	20.66	21	0
		3 RB	0	824.7	20407	20.20	21	0
				836.5	20525	20.43	21	0
				848.3	20643	20.24	21	0
			2	824.7	20407	20.15	21	0
				836.5	20525	20.34	21	0
				848.3	20643	20.46	21	0
			3	824.7	20407	20.30	21	0
				836.5	20525	20.21	21	0
				848.3	20643	20.37	21	0
		6RB		824.7	20407	20.27	21	0
				836.5	20525	20.24	21	0
				848.3	20643	20.34	21	0

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FDD Band 7								
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	16.31	16.5	0
				2535	21100	16.29	16.5	0
				2560	21350	16.13	16.5	0
			50	2510	20850	16.18	16.5	0
				2535	21100	16.06	16.5	0
				2560	21350	16.09	16.5	0
			99	2510	20850	16.20	16.5	0
				2535	21100	16.16	16.5	0
				2560	21350	16.11	16.5	0
		50 RB	0	2510	20850	16.01	16.5	0
				2535	21100	15.91	16.5	0
				2560	21350	15.76	16.5	0
			25	2510	20850	15.98	16.5	0
				2535	21100	15.90	16.5	0
				2560	21350	15.74	16.5	0
			50	2510	20850	16.02	16.5	0
				2535	21100	15.92	16.5	0
				2560	21350	15.83	16.5	0
		100RB		2510	20850	16.08	16.5	0
				2535	21100	16.05	16.5	0
				2560	21350	15.83	16.5	0
	16-QAM	1 RB	0	2510	20850	15.90	16.5	0
				2535	21100	15.89	16.5	0
				2560	21350	15.84	16.5	0
			50	2510	20850	15.86	16.5	0
				2535	21100	15.80	16.5	0
				2560	21350	15.71	16.5	0
			99	2510	20850	15.97	16.5	0
				2535	21100	15.96	16.5	0
				2560	21350	15.77	16.5	0
		50 RB	0	2510	20850	15.94	16.5	0
				2535	21100	15.90	16.5	0
				2560	21350	15.76	16.5	0
			25	2510	20850	15.91	16.5	0
				2535	21100	15.89	16.5	0
				2560	21350	15.75	16.5	0
			50	2510	20850	15.99	16.5	0
				2535	21100	15.89	16.5	0
				2560	21350	15.86	16.5	0
		100RB		2510	20850	16.05	16.5	0
				2535	21100	16.06	16.5	0
				2560	21350	15.86	16.5	0

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FDD Band 7								
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	15.88	16.5	0
				2535	21100	15.82	16.5	0
				2562.5	21375	15.77	16.5	0
			36	2507.5	20825	15.80	16.5	0
				2535	21100	15.74	16.5	0
				2562.5	21375	15.65	16.5	0
			74	2507.5	20825	15.89	16.5	0
				2535	21100	15.95	16.5	0
				2562.5	21375	15.69	16.5	0
		36 RB	0	2507.5	20825	15.91	16.5	0
				2535	21100	15.82	16.5	0
				2562.5	21375	15.71	16.5	0
			18	2507.5	20825	15.83	16.5	0
				2535	21100	15.81	16.5	0
				2562.5	21375	15.70	16.5	0
			37	2507.5	20825	15.94	16.5	0
				2535	21100	15.83	16.5	0
				2562.5	21375	15.79	16.5	0
		75RB		2507.5	20825	16.04	16.5	0
				2535	21100	16.02	16.5	0
				2562.5	21375	15.82	16.5	0
	16-QAM	1 RB	0	2507.5	20825	16.17	16.5	0
				2535	21100	16.10	16.5	0
				2562.5	21375	16.09	16.5	0
			36	2507.5	20825	16.10	16.5	0
				2535	21100	16.05	16.5	0
				2562.5	21375	16.06	16.5	0
			74	2507.5	20825	16.25	16.5	0
				2535	21100	16.20	16.5	0
				2562.5	21375	16.10	16.5	0
		36 RB	0	2507.5	20825	15.96	16.5	0
				2535	21100	15.91	16.5	0
				2562.5	21375	15.76	16.5	0
			18	2507.5	20825	15.94	16.5	0
				2535	21100	15.84	16.5	0
				2562.5	21375	15.71	16.5	0
			37	2507.5	20825	15.95	16.5	0
				2535	21100	15.90	16.5	0
				2562.5	21375	15.76	16.5	0
		75RB		2507.5	20825	16.01	16.5	0
				2535	21100	16.04	16.5	0
				2562.5	21375	15.81	16.5	0

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FDD Band 7								
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	15.79	16.5	0
				2535	21100	15.82	16.5	0
				2565	21400	15.70	16.5	0
			25	2505	20800	15.71	16.5	0
				2535	21100	15.67	16.5	0
				2565	21400	15.57	16.5	0
			49	2505	20800	15.86	16.5	0
				2535	21100	15.88	16.5	0
				2565	21400	15.61	16.5	0
		25 RB	0	2505	20800	15.88	16.5	0
				2535	21100	15.77	16.5	0
				2565	21400	15.65	16.5	0
			12	2505	20800	15.77	16.5	0
				2535	21100	15.77	16.5	0
				2565	21400	15.64	16.5	0
			25	2505	20800	15.94	16.5	0
				2535	21100	15.76	16.5	0
				2565	21400	15.73	16.5	0
		50RB		2505	20800	15.97	16.5	0
				2535	21100	15.94	16.5	0
				2565	21400	15.73	16.5	0
	16-QAM	1 RB	0	2505	20800	16.09	16.5	0
				2535	21100	16.10	16.5	0
				2565	21400	16.04	16.5	0
			25	2505	20800	16.02	16.5	0
				2535	21100	16.00	16.5	0
				2565	21400	15.98	16.5	0
			49	2505	20800	16.25	16.5	0
				2535	21100	16.19	16.5	0
				2565	21400	16.08	16.5	0
		25 RB	0	2505	20800	15.91	16.5	0
				2535	21100	15.87	16.5	0
				2565	21400	15.70	16.5	0
			12	2505	20800	15.94	16.5	0
				2535	21100	15.76	16.5	0
				2565	21400	15.64	16.5	0
			25	2505	20800	15.86	16.5	0
				2535	21100	15.83	16.5	0
				2565	21400	15.72	16.5	0
		50RB		2505	20800	15.95	16.5	0
				2535	21100	15.99	16.5	0
				2565	21400	15.76	16.5	0

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FDD Band 7								
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	15.77	16.5	0
				2535	21100	15.76	16.5	0
				2567.5	21425	15.69	16.5	0
			12	2502.5	20775	15.67	16.5	0
				2535	21100	15.64	16.5	0
				2567.5	21425	15.54	16.5	0
			24	2502.5	20775	15.83	16.5	0
				2535	21100	15.85	16.5	0
				2567.5	21425	15.53	16.5	0
		12 RB	0	2502.5	20775	15.80	16.5	0
				2535	21100	15.75	16.5	0
				2567.5	21425	15.63	16.5	0
			6	2502.5	20775	15.75	16.5	0
				2535	21100	15.76	16.5	0
				2567.5	21425	15.55	16.5	0
			13	2502.5	20775	15.93	16.5	0
				2535	21100	15.69	16.5	0
				2567.5	21425	15.70	16.5	0
		25RB		2502.5	20775	15.89	16.5	0
				2535	21100	15.91	16.5	0
				2567.5	21425	15.64	16.5	0
	16-QAM	1 RB	0	2502.5	20775	16.08	16.5	0
				2535	21100	16.07	16.5	0
				2567.5	21425	15.99	16.5	0
			12	2502.5	20775	15.95	16.5	0
				2535	21100	16.00	16.5	0
				2567.5	21425	15.98	16.5	0
			24	2502.5	20775	16.16	16.5	0
				2535	21100	16.13	16.5	0
				2567.5	21425	16.01	16.5	0
		12 RB	0	2502.5	20775	15.85	16.5	0
				2535	21100	15.83	16.5	0
				2567.5	21425	15.68	16.5	0
			6	2502.5	20775	15.85	16.5	0
				2535	21100	15.75	16.5	0
				2567.5	21425	15.64	16.5	0
			13	2502.5	20775	15.80	16.5	0
				2535	21100	15.75	16.5	0
				2567.5	21425	15.63	16.5	0
		25RB		2502.5	20775	15.89	16.5	0
				2535	21100	15.97	16.5	0
				2567.5	21425	15.73	16.5	0

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FDD Band 12								
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	21.72	22.5	0
				707.5	23095	21.89	22.5	0
				711	23130	21.79	22.5	0
			25	704	23060	21.61	22.5	0
				707.5	23095	21.54	22.5	0
				711	23130	21.75	22.5	0
			49	704	23060	21.58	22.5	0
				707.5	23095	21.66	22.5	0
				711	23130	21.56	22.5	0
		25 RB	0	704	23060	21.28	22.5	0
				707.5	23095	21.20	22.5	0
				711	23130	21.22	22.5	0
			12	704	23060	21.20	22.5	0
				707.5	23095	21.13	22.5	0
				711	23130	21.22	22.5	0
			25	704	23060	21.33	22.5	0
				707.5	23095	21.34	22.5	0
				711	23130	21.29	22.5	0
		50RB		704	23060	21.21	22.5	0
				707.5	23095	21.23	22.5	0
				711	23130	21.14	22.5	0
	16-QAM	1 RB	0	704	23060	21.42	22.5	0
				707.5	23095	21.52	22.5	0
				711	23130	21.45	22.5	0
			25	704	23060	21.49	22.5	0
				707.5	23095	21.40	22.5	0
				711	23130	21.65	22.5	0
			49	704	23060	21.57	22.5	0
				707.5	23095	21.70	22.5	0
				711	23130	21.64	22.5	0
		25 RB	0	704	23060	21.35	22.5	0
				707.5	23095	21.30	22.5	0
				711	23130	21.30	22.5	0
			12	704	23060	21.27	22.5	0
				707.5	23095	21.24	22.5	0
				711	23130	21.39	22.5	0
			25	704	23060	21.27	22.5	0
				707.5	23095	21.44	22.5	0
				711	23130	21.36	22.5	0
		50RB		704	23060	21.33	22.5	0
				707.5	23095	21.29	22.5	0
				711	23130	21.46	22.5	0

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FDD Band 12								
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	21.57	22.5	0
				707.5	23095	21.62	22.5	0
				713.5	23155	21.52	22.5	0
			12	701.5	23035	21.54	22.5	0
				707.5	23095	21.53	22.5	0
				713.5	23155	21.67	22.5	0
			24	701.5	23035	21.63	22.5	0
				707.5	23095	21.88	22.5	0
				713.5	23155	21.74	22.5	0
		12 RB	0	701.5	23035	21.28	22.5	0
				707.5	23095	21.13	22.5	0
				713.5	23155	21.16	22.5	0
			6	701.5	23035	21.13	22.5	0
				707.5	23095	21.04	22.5	0
				713.5	23155	21.24	22.5	0
			13	701.5	23035	21.15	22.5	0
				707.5	23095	21.33	22.5	0
				713.5	23155	21.28	22.5	0
		25RB		701.5	23035	21.23	22.5	0
				707.5	23095	21.21	22.5	0
				713.5	23155	21.41	22.5	0
	16-QAM	1 RB	0	701.5	23035	21.36	22.5	0
				707.5	23095	21.49	22.5	0
				713.5	23155	21.37	22.5	0
			12	701.5	23035	21.49	22.5	0
				707.5	23095	21.36	22.5	0
				713.5	23155	21.59	22.5	0
			24	701.5	23035	21.51	22.5	0
				707.5	23095	21.68	22.5	0
				713.5	23155	21.58	22.5	0
		12 RB	0	701.5	23035	21.27	22.5	0
				707.5	23095	21.22	22.5	0
				713.5	23155	21.28	22.5	0
			6	701.5	23035	21.23	22.5	0
				707.5	23095	21.16	22.5	0
				713.5	23155	21.36	22.5	0
			13	701.5	23035	21.22	22.5	0
				707.5	23095	21.38	22.5	0
				713.5	23155	21.35	22.5	0
		25RB		701.5	23035	21.26	22.5	0
				707.5	23095	21.20	22.5	0
				713.5	23155	21.46	22.5	0

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FDD Band 12								
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	21.50	22.5	0
				707.5	23095	21.60	22.5	0
				714.5	23165	21.44	22.5	0
			7	700.5	23025	21.48	22.5	0
				707.5	23095	21.53	22.5	0
				714.5	23165	21.58	22.5	0
			14	700.5	23025	21.60	22.5	0
				707.5	23095	21.84	22.5	0
				714.5	23165	21.72	22.5	0
		8 RB	0	700.5	23025	21.21	22.5	0
				707.5	23095	21.10	22.5	0
				714.5	23165	21.09	22.5	0
			4	700.5	23025	21.10	22.5	0
				707.5	23095	20.97	22.5	0
				714.5	23165	21.24	22.5	0
			7	700.5	23025	21.09	22.5	0
				707.5	23095	21.26	22.5	0
				714.5	23165	21.26	22.5	0
		15RB		700.5	23025	21.18	22.5	0
				707.5	23095	21.12	22.5	0
				714.5	23165	21.40	22.5	0
	16-QAM	1 RB	0	700.5	23025	21.35	22.5	0
				707.5	23095	21.41	22.5	0
				714.5	23165	21.37	22.5	0
			7	700.5	23025	21.44	22.5	0
				707.5	23095	21.32	22.5	0
				714.5	23165	21.54	22.5	0
			14	700.5	23025	21.50	22.5	0
				707.5	23095	21.66	22.5	0
				714.5	23165	21.50	22.5	0
		8 RB	0	700.5	23025	21.25	22.5	0
				707.5	23095	21.20	22.5	0
				714.5	23165	21.22	22.5	0
			4	700.5	23025	21.22	22.5	0
				707.5	23095	21.15	22.5	0
				714.5	23165	21.31	22.5	0
			7	700.5	23025	21.16	22.5	0
				707.5	23095	21.34	22.5	0
				714.5	23165	21.30	22.5	0
		15RB		700.5	23025	21.23	22.5	0
				707.5	23095	21.15	22.5	0
				714.5	23165	21.44	22.5	0

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FDD Band 12								
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	21.45	22.5	0
				707.5	23095	21.53	22.5	0
				715.3	23173	21.39	22.5	0
			2	699.7	23017	21.44	22.5	0
				707.5	23095	21.46	22.5	0
				715.3	23173	21.57	22.5	0
			5	699.7	23017	21.52	22.5	0
				707.5	23095	21.79	22.5	0
				715.3	23173	21.68	22.5	0
		3 RB	0	699.7	23017	21.21	22.5	0
				707.5	23095	21.03	22.5	0
				715.3	23173	21.08	22.5	0
			2	699.7	23017	21.08	22.5	0
				707.5	23095	20.94	22.5	0
				715.3	23173	21.21	22.5	0
			3	699.7	23017	21.00	22.5	0
				707.5	23095	21.26	22.5	0
				715.3	23173	21.22	22.5	0
		6RB		699.7	23017	21.09	22.5	0
				707.5	23095	21.11	22.5	0
				715.3	23173	21.34	22.5	0
	16-QAM	1 RB	0	699.7	23017	21.32	22.5	0
				707.5	23095	21.39	22.5	0
				715.3	23173	21.34	22.5	0
			2	699.7	23017	21.36	22.5	0
				707.5	23095	21.24	22.5	0
				715.3	23173	21.48	22.5	0
			5	699.7	23017	21.42	22.5	0
				707.5	23095	21.62	22.5	0
				715.3	23173	21.46	22.5	0
		3 RB	0	699.7	23017	21.22	22.5	0
				707.5	23095	21.20	22.5	0
				715.3	23173	21.19	22.5	0
			2	699.7	23017	21.14	22.5	0
				707.5	23095	21.13	22.5	0
				715.3	23173	21.26	22.5	0
			3	699.7	23017	21.10	22.5	0
				707.5	23095	21.31	22.5	0
				715.3	23173	21.22	22.5	0
		6RB		699.7	23017	21.20	22.5	0
				707.5	23095	21.08	22.5	0
				715.3	23173	21.42	22.5	0

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FDD Band 13								
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	21.92	22	0
			25	782	23230	21.85	22	0
			49	782	23230	21.87	22	0
		25 RB	0	782	23230	21.82	22	0
			12	782	23230	21.75	22	0
			25	782	23230	21.78	22	0
		50RB		782	23230	21.81	22	0
	16-QAM	1 RB	0	782	23230	21.79	22	0
			25	782	23230	21.78	22	0
			49	782	23230	21.79	22	0
		25 RB	0	782	23230	20.80	22	0
			12	782	23230	20.81	22	0
			25	782	23230	20.84	22	0
		50RB		782	23230	20.99	22	0

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FDD Band 13								
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	21.65	22	0
				782	23230	20.93	22	0
				784.5	23255	21.10	22	0
			12	779.5	23205	21.69	22	0
				782	23230	21.46	22	0
				784.5	23255	21.14	22	0
			24	779.5	23205	21.64	22	0
				782	23230	21.45	22	0
				784.5	23255	21.66	22	0
		12 RB	0	779.5	23205	20.73	22	0
				782	23230	21.03	22	0
				784.5	23255	20.28	22	0
			6	779.5	23205	20.54	22	0
				782	23230	20.00	22	0
				784.5	23255	20.53	22	0
			13	779.5	23205	20.29	22	0
				782	23230	20.12	22	0
				784.5	23255	20.19	22	0
		25RB		779.5	23205	20.18	22	0
				782	23230	20.23	22	0
				784.5	23255	20.11	22	0
	16-QAM	1 RB	0	779.5	23205	21.40	22	0
				782	23230	20.96	22	0
				784.5	23255	21.02	22	0
			12	779.5	23205	21.63	22	0
				782	23230	21.39	22	0
				784.5	23255	20.91	22	0
			24	779.5	23205	21.74	22	0
				782	23230	21.29	22	0
				784.5	23255	21.66	22	0
		12 RB	0	779.5	23205	20.62	22	0
				782	23230	20.83	22	0
				784.5	23255	20.05	22	0
			6	779.5	23205	20.34	22	0
				782	23230	20.18	22	0
				784.5	23255	20.33	22	0
			13	779.5	23205	20.15	22	0
				782	23230	20.04	22	0
				784.5	23255	20.07	22	0
		25RB		779.5	23205	20.16	22	0
				782	23230	20.06	22	0
				784.5	23255	20.03	22	0

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FDD Band 17								
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	709	23780	21.83	22.5	0
				710	23790	21.84	22.5	0
				711	23800	21.78	22.5	0
			25	709	23780	21.69	22.5	0
				710	23790	21.74	22.5	0
				711	23800	21.76	22.5	0
			49	709	23780	21.61	22.5	0
				710	23790	21.64	22.5	0
				711	23800	21.57	22.5	0
		25 RB	0	709	23780	21.11	22.5	0
				710	23790	21.13	22.5	0
				711	23800	21.23	22.5	0
			12	709	23780	21.21	22.5	0
				710	23790	21.31	22.5	0
				711	23800	21.25	22.5	0
			25	709	23780	21.37	22.5	0
				710	23790	21.38	22.5	0
				711	23800	21.29	22.5	0
		50RB		709	23780	21.41	22.5	0
				710	23790	21.44	22.5	0
				711	23800	21.42	22.5	0
	16-QAM	1 RB	0	709	23780	21.48	22.5	0
				710	23790	21.50	22.5	0
				711	23800	21.45	22.5	0
			25	709	23780	21.55	22.5	0
				710	23790	21.59	22.5	0
				711	23800	21.68	22.5	0
			49	709	23780	21.72	22.5	0
				710	23790	21.74	22.5	0
				711	23800	21.69	22.5	0
		25 RB	0	709	23780	20.72	22.5	0
				710	23790	20.73	22.5	0
				711	23800	20.82	22.5	0
			12	709	23780	20.81	22.5	0
				710	23790	20.89	22.5	0
				711	23800	20.92	22.5	0
			25	709	23780	20.93	22.5	0
				710	23790	20.94	22.5	0
				711	23800	20.89	22.5	0
		50RB		709	23780	20.95	22.5	0
				710	23790	20.94	22.5	0
				711	23800	20.98	22.5	0

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FDD Band 17								
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	706.5	23755	21.59	22.5	0
				710	23790	21.60	22.5	0
				713.5	23825	21.56	22.5	0
			12	706.5	23755	21.61	22.5	0
				710	23790	21.72	22.5	0
				713.5	23825	21.72	22.5	0
			24	706.5	23755	21.83	22.5	0
				710	23790	21.79	22.5	0
				713.5	23825	21.72	22.5	0
		12 RB	0	706.5	23755	21.08	22.5	0
				710	23790	21.12	22.5	0
				713.5	23825	21.23	22.5	0
			6	706.5	23755	21.17	22.5	0
				710	23790	21.31	22.5	0
				713.5	23825	21.27	22.5	0
			13	706.5	23755	21.37	22.5	0
				710	23790	21.35	22.5	0
				713.5	23825	21.26	22.5	0
		25RB		706.5	23755	21.41	22.5	0
				710	23790	21.32	22.5	0
				713.5	23825	21.38	22.5	0
	16-QAM	1 RB	0	706.5	23755	21.48	22.5	0
				710	23790	21.46	22.5	0
				713.5	23825	21.37	22.5	0
			12	706.5	23755	21.51	22.5	0
				710	23790	21.50	22.5	0
				713.5	23825	21.66	22.5	0
			24	706.5	23755	21.70	22.5	0
				710	23790	21.71	22.5	0
				713.5	23825	21.60	22.5	0
		12 RB	0	706.5	23755	20.64	22.5	0
				710	23790	20.66	22.5	0
				713.5	23825	20.74	22.5	0
			6	706.5	23755	20.75	22.5	0
				710	23790	20.86	22.5	0
				713.5	23825	20.85	22.5	0
			13	706.5	23755	20.87	22.5	0
				710	23790	20.87	22.5	0
				713.5	23825	20.82	22.5	0
		25RB		706.5	23755	20.86	22.5	0
				710	23790	20.93	22.5	0
				713.5	23825	20.93	22.5	0

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FDD Band 26								
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	21.46	22	0
				831.5	26865	21.52	22	0
				841.5	26965	21.75	22	0
			36	821.5	26765	21.23	22	0
				831.5	26865	21.26	22	0
				841.5	26965	21.28	22	0
			74	821.5	26765	21.30	22	0
				831.5	26865	21.25	22	0
				841.5	26965	21.53	22	0
		36 RB	0	821.5	26765	21.21	22	0
				831.5	26865	21.27	22	0
				841.5	26965	21.34	22	0
			18	821.5	26765	21.21	22	0
				831.5	26865	21.32	22	0
				841.5	26965	21.32	22	0
			37	821.5	26765	21.29	22	0
				831.5	26865	21.35	22	0
				841.5	26965	21.45	22	0
		75RB		821.5	26765	21.42	22	0
				831.5	26865	21.43	22	0
				841.5	26965	21.59	22	0
	16-QAM	1 RB	0	821.5	26765	21.49	22	0
				831.5	26865	21.54	22	0
				841.5	26965	21.69	22	0
			36	821.5	26765	21.59	22	0
				831.5	26865	21.66	22	0
				841.5	26965	21.65	22	0
			74	821.5	26765	21.69	22	0
				831.5	26865	21.64	22	0
				841.5	26965	21.71	22	0
		36 RB	0	821.5	26765	20.26	22	0
				831.5	26865	20.30	22	0
				841.5	26965	20.42	22	0
			18	821.5	26765	20.33	22	0
				831.5	26865	20.33	22	0
				841.5	26965	20.38	22	0
			37	821.5	26765	20.32	22	0
				831.5	26865	20.35	22	0
				841.5	26965	20.49	22	0
		75RB		821.5	26765	20.43	22	0
				831.5	26865	20.52	22	0
				841.5	26965	20.60	22	0

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FDD Band 26								
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	21.05	22	0
				831.5	26865	21.11	22	0
				844	26990	21.27	22	0
			25	819	26740	21.13	22	0
				831.5	26865	21.25	22	0
				844	26990	21.24	22	0
			49	819	26740	21.26	22	0
				831.5	26865	21.07	22	0
				844	26990	21.19	22	0
		25 RB	0	819	26740	21.08	22	0
				831.5	26865	21.08	22	0
				844	26990	21.25	22	0
			12	819	26740	21.10	22	0
				831.5	26865	21.24	22	0
				844	26990	21.29	22	0
			25	819	26740	21.13	22	0
				831.5	26865	21.15	22	0
				844	26990	21.30	22	0
		50RB		819	26740	21.31	22	0
				831.5	26865	21.27	22	0
				844	26990	21.59	22	0
	16-QAM	1 RB	0	819	26740	21.33	22	0
				831.5	26865	21.48	22	0
				844	26990	21.51	22	0
			25	819	26740	21.54	22	0
				831.5	26865	21.51	22	0
				844	26990	21.65	22	0
			49	819	26740	21.64	22	0
				831.5	26865	21.46	22	0
				844	26990	21.69	22	0
		25 RB	0	819	26740	20.17	22	0
				831.5	26865	20.22	22	0
				844	26990	20.23	22	0
			12	819	26740	20.26	22	0
				831.5	26865	20.25	22	0
				844	26990	20.38	22	0
			25	819	26740	20.23	22	0
				831.5	26865	20.26	22	0
				844	26990	20.42	22	0
		50RB		819	26740	20.41	22	0
				831.5	26865	20.52	22	0
				844	26990	20.45	22	0

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FDD Band 26								
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	20.99	22	0
				831.5	26865	21.05	22	0
				846.5	27015	21.17	22	0
			12	816.5	26715	21.06	22	0
				831.5	26865	21.19	22	0
				846.5	27015	21.10	22	0
			24	816.5	26715	21.11	22	0
				831.5	26865	21.02	22	0
				846.5	27015	21.13	22	0
		12 RB	0	816.5	26715	20.95	22	0
				831.5	26865	20.93	22	0
				846.5	27015	21.23	22	0
			6	816.5	26715	21.01	22	0
				831.5	26865	21.14	22	0
				846.5	27015	21.16	22	0
			13	816.5	26715	21.08	22	0
				831.5	26865	21.09	22	0
				846.5	27015	21.28	22	0
		25RB		816.5	26715	21.31	22	0
				831.5	26865	21.25	22	0
				846.5	27015	21.40	22	0
	16-QAM	1 RB	0	815.5	26705	21.26	22	0
				831.5	26865	21.38	22	0
				847.5	27025	21.37	22	0
			12	815.5	26705	21.43	22	0
				831.5	26865	21.49	22	0
				847.5	27025	21.53	22	0
			24	815.5	26705	21.46	22	0
				831.5	26865	21.40	22	0
				847.5	27025	21.63	22	0
		12 RB	0	815.5	26705	20.12	22	0
				831.5	26865	20.22	22	0
				847.5	27025	20.21	22	0
			6	815.5	26705	20.10	22	0
				831.5	26865	20.24	22	0
				847.5	27025	20.26	22	0
			13	815.5	26705	20.10	22	0
				831.5	26865	20.26	22	0
				847.5	27025	20.30	22	0
		25RB		815.5	26705	20.39	22	0
				831.5	26865	20.50	22	0
				847.5	27025	20.38	22	0

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FDD Band 26								
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	20.94	22	0
				831.5	26865	20.91	22	0
				847.5	27025	21.07	22	0
			7	815.5	26705	20.87	22	0
				831.5	26865	21.19	22	0
				847.5	27025	21.05	22	0
			14	815.5	26705	21.02	22	0
				831.5	26865	21.00	22	0
				847.5	27025	20.95	22	0
		8 RB	0	815.5	26705	20.90	22	0
				831.5	26865	20.79	22	0
				847.5	27025	21.05	22	0
			4	815.5	26705	20.90	22	0
				831.5	26865	21.01	22	0
				847.5	27025	21.11	22	0
			7	815.5	26705	20.94	22	0
				831.5	26865	21.05	22	0
				847.5	27025	21.17	22	0
		15RB		815.5	26705	21.12	22	0
				831.5	26865	21.23	22	0
				847.5	27025	21.26	22	0
	16-QAM	1 RB	0	815.5	26705	21.14	22	0
				831.5	26865	21.28	22	0
				847.5	27025	21.25	22	0
			7	815.5	26705	21.36	22	0
				831.5	26865	21.32	22	0
				847.5	27025	21.51	22	0
			14	815.5	26705	21.31	22	0
				831.5	26865	21.35	22	0
				847.5	27025	21.63	22	0
		8 RB	0	815.5	26705	20.12	22	0
				831.5	26865	20.09	22	0
				847.5	27025	20.11	22	0
			4	815.5	26705	20.06	22	0
				831.5	26865	20.09	22	0
				847.5	27025	20.21	22	0
			7	815.5	26705	20.03	22	0
				831.5	26865	20.21	22	0
				847.5	27025	20.17	22	0
		15RB		815.5	26705	20.25	22	0
				831.5	26865	20.40	22	0
				847.5	27025	20.38	22	0

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FDD Band 26								
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	20.94	22	0
				831.5	26865	20.82	22	0
				848.3	27033	21.05	22	0
			2	814.7	26697	20.70	22	0
				831.5	26865	21.02	22	0
				848.3	27033	20.86	22	0
			5	814.7	26697	20.83	22	0
				831.5	26865	20.90	22	0
				848.3	27033	20.77	22	0
		3 RB	0	814.7	26697	20.80	22	0
				831.5	26865	20.65	22	0
				848.3	27033	21.00	22	0
			2	814.7	26697	20.79	22	0
				831.5	26865	20.91	22	0
				848.3	27033	21.03	22	0
			3	814.7	26697	20.91	22	0
				831.5	26865	20.92	22	0
				848.3	27033	21.10	22	0
		6RB		814.7	26697	20.98	22	0
				831.5	26865	21.05	22	0
				848.3	27033	21.24	22	0
	16-QAM	1 RB	0	814.7	26697	21.11	22	0
				831.5	26865	21.09	22	0
				848.3	27033	21.15	22	0
			2	814.7	26697	21.20	22	0
				831.5	26865	21.16	22	0
				848.3	27033	21.44	22	0
			5	814.7	26697	21.26	22	0
				831.5	26865	21.24	22	0
				848.3	27033	21.59	22	0
		3 RB	0	814.7	26697	20.11	22	0
				831.5	26865	20.03	22	0
				848.3	27033	20.02	22	0
			2	814.7	26697	20.08	22	0
				831.5	26865	20.11	22	0
				848.3	27033	20.03	22	0
			3	814.7	26697	20.00	22	0
				831.5	26865	20.13	22	0
				848.3	27033	20.05	22	0
		6RB		814.7	26697	20.18	22	0
				831.5	26865	20.21	22	0
				848.3	27033	20.22	22	0

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FDD Band 30								
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	2310	27710	18.59	19	0
			25	2310	27710	18.67	19	0
			49	2310	27710	18.86	19	0
		25 RB	0	2310	27710	18.57	19	0
			12	2310	27710	18.37	19	0
			25	2310	27710	18.35	19	0
		50RB		2310	27710	18.39	19	0
	16-QAM	1 RB	0	2310	27710	18.45	19	0
			25	2310	27710	18.39	19	0
			49	2310	27710	18.76	19	0
		25 RB	0	2310	27710	18.56	19	0
			12	2310	27710	18.39	19	0
			25	2310	27710	18.36	19	0
		50RB		2310	27710	18.43	19	0

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FDD Band 30								
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	2307.5	27685	18.38	19	0
				2310	27710	18.30	19	0
				2312.5	27735	18.29	19	0
			12	2307.5	27685	18.39	19	0
				2310	27710	18.33	19	0
				2312.5	27735	18.47	19	0
			24	2307.5	27685	18.24	19	0
				2310	27710	18.23	19	0
				2312.5	27735	18.15	19	0
		12 RB	0	2307.5	27685	18.25	19	0
				2310	27710	18.26	19	0
				2312.5	27735	18.24	19	0
			6	2307.5	27685	18.21	19	0
				2310	27710	18.19	19	0
				2312.5	27735	18.45	19	0
			13	2307.5	27685	18.21	19	0
				2310	27710	18.21	19	0
				2312.5	27735	18.12	19	0
		25RB		2307.5	27685	18.20	19	0
				2310	27710	18.15	19	0
				2312.5	27735	18.22	19	0
	16-QAM	1 RB	0	2307.5	27685	18.30	19	0
				2310	27710	18.23	19	0
				2312.5	27735	18.15	19	0
			12	2307.5	27685	18.25	19	0
				2310	27710	18.21	19	0
				2312.5	27735	18.35	19	0
			24	2307.5	27685	18.16	19	0
				2310	27710	18.04	19	0
				2312.5	27735	18.01	19	0
		12 RB	0	2307.5	27685	18.25	19	0
				2310	27710	18.13	19	0
				2312.5	27735	18.08	19	0
			6	2307.5	27685	18.05	19	0
				2310	27710	18.02	19	0
				2312.5	27735	18.33	19	0
			13	2307.5	27685	18.21	19	0
				2310	27710	18.14	19	0
				2312.5	27735	18.02	19	0
		25RB		2307.5	27685	18.18	19	0
				2310	27710	17.99	19	0
				2312.5	27735	18.14	19	0

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FDD Band 66								
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	19.60	20	0
				1745	132322	19.71	20	0
				1770	132572	20.00	20	0
			50	1720	132072	19.46	20	0
				1745	132322	19.46	20	0
				1770	132572	19.54	20	0
			99	1720	132072	19.43	20	0
				1745	132322	19.59	20	0
				1770	132572	19.75	20	0
		50 RB	0	1720	132072	19.66	20	0
				1745	132322	19.64	20	0
				1770	132572	19.69	20	0
			25	1720	132072	19.60	20	0
				1745	132322	19.54	20	0
				1770	132572	19.56	20	0
			50	1720	132072	19.49	20	0
				1745	132322	19.60	20	0
				1770	132572	19.61	20	0
		100RB		1720	132072	19.70	20	0
				1745	132322	19.76	20	0
				1770	132572	19.80	20	0
	16-QAM	1 RB	0	1720	132072	19.73	20	0
				1745	132322	19.94	20	0
				1770	132572	19.98	20	0
			50	1720	132072	19.79	20	0
				1745	132322	19.80	20	0
				1770	132572	19.81	20	0
			99	1720	132072	19.75	20	0
				1745	132322	19.98	20	0
				1770	132572	19.99	20	0
		50 RB	0	1720	132072	19.51	20	0
				1745	132322	19.44	20	0
				1770	132572	19.61	20	0
			25	1720	132072	19.58	20	0
				1745	132322	19.44	20	0
				1770	132572	19.46	20	0
			50	1720	132072	19.45	20	0
				1745	132322	19.50	20	0
				1770	132572	19.51	20	0
		100RB		1720	132072	19.78	20	0
				1745	132322	19.70	20	0
				1770	132572	19.75	20	0

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FDD Band 66								
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	19.38	20	0
				1745	132322	19.58	20	0
				1772.5	132597	19.95	20	0
			36	1717.5	132047	19.54	20	0
				1745	132322	19.46	20	0
				1772.5	132597	19.45	20	0
			74	1717.5	132047	19.42	20	0
				1745	132322	19.66	20	0
				1772.5	132597	19.66	20	0
		36 RB	0	1717.5	132047	19.53	20	0
				1745	132322	19.56	20	0
				1772.5	132597	19.62	20	0
			18	1717.5	132047	19.58	20	0
				1745	132322	19.49	20	0
				1772.5	132597	19.52	20	0
			37	1717.5	132047	19.41	20	0
				1745	132322	19.60	20	0
				1772.5	132597	19.58	20	0
		75RB		1717.5	132047	19.74	20	0
				1745	132322	19.67	20	0
				1772.5	132597	19.74	20	0
	16-QAM	1 RB	0	1717.5	132047	19.66	20	0
				1745	132322	19.94	20	0
				1772.5	132597	19.90	20	0
			36	1717.5	132047	19.74	20	0
				1745	132322	19.78	20	0
				1772.5	132597	19.76	20	0
			74	1717.5	132047	19.75	20	0
				1745	132322	19.90	20	0
				1772.5	132597	19.96	20	0
		36 RB	0	1717.5	132047	19.42	20	0
				1745	132322	19.41	20	0
				1772.5	132597	19.55	20	0
			18	1717.5	132047	19.56	20	0
				1745	132322	19.43	20	0
				1772.5	132597	19.40	20	0
			37	1717.5	132047	19.39	20	0
				1745	132322	19.50	20	0
				1772.5	132597	19.43	20	0
		75RB		1717.5	132047	19.74	20	0
				1745	132322	19.63	20	0
				1772.5	132597	19.70	20	0

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FDD Band 66								
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	19.32	20	0
				1745	132322	19.56	20	0
				1775	132622	19.91	20	0
			25	1715	132022	19.47	20	0
				1745	132322	19.45	20	0
				1775	132622	19.44	20	0
			49	1715	132022	19.37	20	0
				1745	132322	19.64	20	0
				1775	132622	19.63	20	0
		25 RB	0	1715	132022	19.47	20	0
				1745	132322	19.51	20	0
				1775	132622	19.57	20	0
			12	1715	132022	19.55	20	0
				1745	132322	19.41	20	0
				1775	132622	19.51	20	0
			25	1715	132022	19.41	20	0
				1745	132322	19.58	20	0
				1775	132622	19.58	20	0
		50RB		1715	132022	19.69	20	0
				1745	132322	19.63	20	0
				1775	132622	19.68	20	0
	16-QAM	1 RB	0	1715	132022	19.57	20	0
				1745	132322	19.87	20	0
				1775	132622	19.87	20	0
			25	1715	132022	19.73	20	0
				1745	132322	19.70	20	0
				1775	132622	19.68	20	0
			49	1715	132022	19.70	20	0
				1745	132322	19.83	20	0
				1775	132622	19.92	20	0
		25 RB	0	1715	132022	19.42	20	0
				1745	132322	19.33	20	0
				1775	132622	19.51	20	0
			12	1715	132022	19.54	20	0
				1745	132322	19.36	20	0
				1775	132622	19.36	20	0
			25	1715	132022	19.38	20	0
				1745	132322	19.47	20	0
				1775	132622	19.38	20	0
		50RB		1715	132022	19.74	20	0
				1745	132322	19.59	20	0
				1775	132622	19.70	20	0

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FDD Band 66								
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	19.26	20	0
				1745	132322	19.47	20	0
				1777.5	132647	19.86	20	0
			12	1712.5	131997	19.43	20	0
				1745	132322	19.44	20	0
				1777.5	132647	19.43	20	0
			24	1712.5	131997	19.29	20	0
				1745	132322	19.58	20	0
				1777.5	132647	19.63	20	0
		12 RB	0	1712.5	131997	19.47	20	0
				1745	132322	19.43	20	0
				1777.5	132647	19.51	20	0
			6	1712.5	131997	19.54	20	0
				1745	132322	19.40	20	0
				1777.5	132647	19.44	20	0
			13	1712.5	131997	19.40	20	0
				1745	132322	19.53	20	0
				1777.5	132647	19.49	20	0
		25RB		1712.5	131997	19.64	20	0
				1745	132322	19.54	20	0
				1777.5	132647	19.59	20	0
	16-QAM	1 RB	0	1712.5	131997	19.52	20	0
				1745	132322	19.84	20	0
				1777.5	132647	19.78	20	0
			12	1712.5	131997	19.73	20	0
				1745	132322	19.69	20	0
				1777.5	132647	19.62	20	0
			24	1712.5	131997	19.70	20	0
				1745	132322	19.83	20	0
				1777.5	132647	19.83	20	0
		12 RB	0	1712.5	131997	19.33	20	0
				1745	132322	19.27	20	0
				1777.5	132647	19.48	20	0
			6	1712.5	131997	19.47	20	0
				1745	132322	19.31	20	0
				1777.5	132647	19.33	20	0
			13	1712.5	131997	19.35	20	0
				1745	132322	19.46	20	0
				1777.5	132647	19.31	20	0
		25RB		1712.5	131997	19.68	20	0
				1745	132322	19.50	20	0
				1777.5	132647	19.63	20	0

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FDD Band 66								
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	19.20	20	0
				1745	132322	19.39	20	0
				1778.5	132657	19.80	20	0
			7	1711.5	131987	19.34	20	0
				1745	132322	19.40	20	0
				1778.5	132657	19.39	20	0
			14	1711.5	131987	19.25	20	0
				1745	132322	19.55	20	0
				1778.5	132657	19.57	20	0
		8 RB	0	1711.5	131987	19.45	20	0
				1745	132322	19.36	20	0
				1778.5	132657	19.48	20	0
			4	1711.5	131987	19.48	20	0
				1745	132322	19.37	20	0
				1778.5	132657	19.35	20	0
			7	1711.5	131987	19.35	20	0
				1745	132322	19.51	20	0
				1778.5	132657	19.48	20	0
		15RB		1711.5	131987	19.61	20	0
				1745	132322	19.53	20	0
				1778.5	132657	19.50	20	0
	16-QAM	1 RB	0	1711.5	131987	19.43	20	0
				1745	132322	19.82	20	0
				1778.5	132657	19.78	20	0
			7	1711.5	131987	19.71	20	0
				1745	132322	19.63	20	0
				1778.5	132657	19.58	20	0
			14	1711.5	131987	19.68	20	0
				1745	132322	19.83	20	0
				1778.5	132657	19.78	20	0
		8 RB	0	1711.5	131987	19.28	20	0
				1745	132322	19.19	20	0
				1778.5	132657	19.42	20	0
			4	1711.5	131987	19.39	20	0
				1745	132322	19.26	20	0
				1778.5	132657	19.27	20	0
			7	1711.5	131987	19.34	20	0
				1745	132322	19.42	20	0
				1778.5	132657	19.30	20	0
		15RB		1711.5	131987	19.64	20	0
				1745	132322	19.48	20	0
				1778.5	132657	19.62	20	0

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FDD Band 66								
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	19.15	20	0
				1745	132322	19.32	20	0
				1779.3	132665	19.75	20	0
			2	1710.7	131979	19.26	20	0
				1745	132322	19.36	20	0
				1779.3	132665	19.32	20	0
			5	1710.7	131979	19.20	20	0
				1745	132322	19.47	20	0
				1779.3	132665	19.49	20	0
		3 RB	0	1710.7	131979	19.41	20	0
				1745	132322	19.34	20	0
				1779.3	132665	19.42	20	0
			2	1710.7	131979	19.45	20	0
				1745	132322	19.31	20	0
				1779.3	132665	19.29	20	0
			3	1710.7	131979	19.30	20	0
				1745	132322	19.45	20	0
				1779.3	132665	19.43	20	0
		6RB		1710.7	131979	19.53	20	0
				1745	132322	19.44	20	0
				1779.3	132665	19.49	20	0
	16-QAM	1 RB	0	1710.7	131979	19.38	20	0
				1745	132322	19.76	20	0
				1779.3	132665	19.75	20	0
			2	1710.7	131979	19.64	20	0
				1745	132322	19.62	20	0
				1779.3	132665	19.54	20	0
			5	1710.7	131979	19.60	20	0
				1745	132322	19.82	20	0
				1779.3	132665	19.75	20	0
		3 RB	0	1710.7	131979	19.20	20	0
				1745	132322	19.12	20	0
				1779.3	132665	19.37	20	0
			2	1710.7	131979	19.36	20	0
				1745	132322	19.23	20	0
				1779.3	132665	19.24	20	0
			3	1710.7	131979	19.26	20	0
				1745	132322	19.33	20	0
				1779.3	132665	19.25	20	0
		6RB		1710.7	131979	19.60	20	0
				1745	132322	19.39	20	0
				1779.3	132665	19.58	20	0

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LTE TDD Band 38 / Band 41 power table (Reduced power):

TDD Band 38								
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	2580	37850	18.96	19	0
				2595	38000	18.99	19	0
				2610	38150	19.00	19	0
			50	2580	37850	18.88	19	0
				2595	38000	18.89	19	0
				2610	38150	18.99	19	0
			99	2580	37850	18.91	19	0
				2595	38000	18.92	19	0
				2610	38150	18.99	19	0
		50 RB	0	2580	37850	18.73	19	0
				2595	38000	18.72	19	0
				2610	38150	18.85	19	0
			25	2580	37850	18.72	19	0
				2595	38000	18.73	19	0
				2610	38150	18.79	19	0
			50	2580	37850	18.75	19	0
				2595	38000	18.78	19	0
				2610	38150	18.87	19	0
		100RB		2580	37850	18.70	19	0
				2595	38000	18.68	19	0
				2610	38150	18.75	19	0
	16-QAM	1 RB	0	2580	37850	18.88	19	0
				2595	38000	18.78	19	0
				2610	38150	18.99	19	0
			50	2580	37850	18.87	19	0
				2595	38000	18.83	19	0
				2610	38150	18.83	19	0
			99	2580	37850	18.92	19	0
				2595	38000	18.89	19	0
				2610	38150	18.98	19	0
		50 RB	0	2580	37850	18.55	19	0
				2595	38000	18.57	19	0
				2610	38150	18.75	19	0
			25	2580	37850	18.71	19	0
				2595	38000	18.55	19	0
				2610	38150	18.71	19	0
			50	2580	37850	18.57	19	0
				2595	38000	18.70	19	0
				2610	38150	18.79	19	0
		100RB		2580	37850	18.70	19	0
				2595	38000	18.61	19	0
				2610	38150	18.66	19	0

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TDD Band 38								
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	2577.5	37825	18.78	19	0
				2595	38000	18.82	19	0
				2612.5	38175	18.98	19	0
			36	2577.5	37825	18.79	19	0
				2595	38000	18.72	19	0
				2612.5	38175	18.84	19	0
			74	2577.5	37825	18.86	19	0
				2595	38000	18.88	19	0
				2612.5	38175	18.82	19	0
		36 RB	0	2577.5	37825	18.72	19	0
				2595	38000	18.71	19	0
				2612.5	38175	18.82	19	0
			18	2577.5	37825	18.56	19	0
				2595	38000	18.68	19	0
				2612.5	38175	18.76	19	0
			37	2577.5	37825	18.69	19	0
				2595	38000	18.78	19	0
				2612.5	38175	18.85	19	0
		75RB		2577.5	37825	18.70	19	0
				2595	38000	18.63	19	0
				2612.5	38175	18.60	19	0
	16-QAM	1 RB	0	2577.5	37825	18.76	19	0
				2595	38000	18.63	19	0
				2612.5	38175	18.97	19	0
			36	2577.5	37825	18.71	19	0
				2595	38000	18.83	19	0
				2612.5	38175	18.75	19	0
			74	2577.5	37825	18.91	19	0
				2595	38000	18.72	19	0
				2612.5	38175	18.81	19	0
		36 RB	0	2577.5	37825	18.50	19	0
				2595	38000	18.42	19	0
				2612.5	38175	18.73	19	0
			18	2577.5	37825	18.57	19	0
				2595	38000	18.45	19	0
				2612.5	38175	18.57	19	0
			37	2577.5	37825	18.45	19	0
				2595	38000	18.60	19	0
				2612.5	38175	18.62	19	0
		75RB		2577.5	37825	18.65	19	0
				2595	38000	18.57	19	0
				2612.5	38175	18.61	19	0

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TDD Band 38								
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	2575	37800	18.68	19	0
				2595	38000	18.81	19	0
				2615	38200	18.98	19	0
			25	2575	37800	18.68	19	0
				2595	38000	18.60	19	0
				2615	38200	18.75	19	0
			49	2575	37800	18.86	19	0
				2595	38000	18.71	19	0
				2615	38200	18.67	19	0
		25 RB	0	2575	37800	18.66	19	0
				2595	38000	18.60	19	0
				2615	38200	18.72	19	0
			12	2575	37800	18.54	19	0
				2595	38000	18.54	19	0
				2615	38200	18.66	19	0
			25	2575	37800	18.58	19	0
				2595	38000	18.75	19	0
				2615	38200	18.85	19	0
		50RB		2575	37800	18.69	19	0
				2595	38000	18.63	19	0
				2615	38200	18.57	19	0
	16-QAM	1 RB	0	2575	37800	18.65	19	0
				2595	38000	18.49	19	0
				2615	38200	18.79	19	0
			25	2575	37800	18.66	19	0
				2595	38000	18.77	19	0
				2615	38200	18.66	19	0
			49	2575	37800	18.91	19	0
				2595	38000	18.57	19	0
				2615	38200	18.73	19	0
		25 RB	0	2575	37800	18.50	19	0
				2595	38000	18.42	19	0
				2615	38200	18.63	19	0
			12	2575	37800	18.40	19	0
				2595	38000	18.43	19	0
				2615	38200	18.57	19	0
			25	2575	37800	18.45	19	0
				2595	38000	18.59	19	0
				2615	38200	18.58	19	0
		50RB		2575	37800	18.47	19	0
				2595	38000	18.47	19	0
				2615	38200	18.45	19	0

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TDD Band 38								
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	2572.5	37775	18.65	19	0
				2595	38000	18.74	19	0
				2617.5	38225	18.98	19	0
			12	2572.5	37775	18.55	19	0
				2595	38000	18.50	19	0
				2617.5	38225	18.73	19	0
			24	2572.5	37775	18.80	19	0
				2595	38000	18.54	19	0
				2617.5	38225	18.62	19	0
		12 RB	0	2572.5	37775	18.59	19	0
				2595	38000	18.57	19	0
				2617.5	38225	18.67	19	0
			6	2572.5	37775	18.36	19	0
				2595	38000	18.36	19	0
				2617.5	38225	18.62	19	0
			13	2572.5	37775	18.42	19	0
				2595	38000	18.70	19	0
				2617.5	38225	18.69	19	0
		25RB		2572.5	37775	18.55	19	0
				2595	38000	18.47	19	0
				2617.5	38225	18.47	19	0
	16-QAM	1 RB	0	2572.5	37775	18.64	19	0
				2595	38000	18.42	19	0
				2617.5	38225	18.72	19	0
			12	2572.5	37775	18.47	19	0
				2595	38000	18.73	19	0
				2617.5	38225	18.66	19	0
			24	2572.5	37775	18.75	19	0
				2595	38000	18.49	19	0
				2617.5	38225	18.73	19	0
		12 RB	0	2572.5	37775	18.45	19	0
				2595	38000	18.36	19	0
				2617.5	38225	18.48	19	0
			6	2572.5	37775	18.32	19	0
				2595	38000	18.24	19	0
				2617.5	38225	18.44	19	0
			13	2572.5	37775	18.42	19	0
				2595	38000	18.49	19	0
				2617.5	38225	18.45	19	0
		25RB		2572.5	37775	18.40	19	0
				2595	38000	18.45	19	0
				2617.5	38225	18.40	19	0

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TDD Band 41								
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	17.85	18	0
				2549.5	40185	17.97	18	0
				2593	40620	17.80	18	0
				2636.5	41055	17.97	18	0
				2680	41490	18.00	18	0
			50	2506	39750	17.48	18	0
				2549.5	40185	17.46	18	0
				2593	40620	17.49	18	0
				2636.5	41055	17.51	18	0
				2680	41490	17.62	18	0
			99	2506	39750	17.66	18	0
				2549.5	40185	17.51	18	0
				2593	40620	17.64	18	0
				2636.5	41055	17.65	18	0
				2680	41490	17.71	18	0
		50 RB	0	2506	39750	17.39	18	0
				2549.5	40185	17.41	18	0
				2593	40620	17.38	18	0
				2636.5	41055	17.57	18	0
				2680	41490	17.59	18	0
			25	2506	39750	17.43	18	0
				2549.5	40185	17.39	18	0
				2593	40620	17.44	18	0
				2636.5	41055	17.50	18	0
				2680	41490	17.58	18	0
			50	2506	39750	17.46	18	0
				2549.5	40185	17.42	18	0
				2593	40620	17.51	18	0
				2636.5	41055	17.57	18	0
				2680	41490	17.61	18	0
		100RB		2506	39750	17.52	18	0
				2549.5	40185	17.35	18	0
				2593	40620	17.44	18	0
				2636.5	41055	17.52	18	0
				2680	41490	17.56	18	0

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TDD Band 41								
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	17.70	18	0
				2549.5	40185	17.92	18	0
				2593	40620	17.74	18	0
				2636.5	41055	17.85	18	0
				2680	41490	17.90	18	0
			50	2506	39750	17.41	18	0
				2549.5	40185	17.46	18	0
				2593	40620	17.30	18	0
				2636.5	41055	17.46	18	0
				2680	41490	17.46	18	0
			99	2506	39750	17.47	18	0
				2549.5	40185	17.40	18	0
				2593	40620	17.46	18	0
				2636.5	41055	17.56	18	0
				2680	41490	17.66	18	0
		50 RB	0	2506	39750	17.35	18	0
				2549.5	40185	17.39	18	0
				2593	40620	17.37	18	0
				2636.5	41055	17.42	18	0
				2680	41490	17.49	18	0
			25	2506	39750	17.29	18	0
				2549.5	40185	17.28	18	0
				2593	40620	17.28	18	0
				2636.5	41055	17.36	18	0
				2680	41490	17.49	18	0
			50	2506	39750	17.26	18	0
				2549.5	40185	17.30	18	0
				2593	40620	17.35	18	0
				2636.5	41055	17.43	18	0
				2680	41490	17.59	18	0
		100RB		2506	39750	17.47	18	0
				2549.5	40185	17.34	18	0
				2593	40620	17.36	18	0
				2636.5	41055	17.34	18	0
				2680	41490	17.46	18	0

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TDD Band 41								
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	17.83	18	0
				2548.3	40173	17.84	18	0
				2593	40620	17.77	18	0
				2637.8	41068	17.88	18	0
				2682.5	41515	17.84	18	0
			36	2503.5	39725	17.47	18	0
				2548.3	40173	17.34	18	0
				2593	40620	17.45	18	0
				2637.8	41068	17.35	18	0
				2682.5	41515	17.50	18	0
			74	2503.5	39725	17.47	18	0
				2548.3	40173	17.42	18	0
				2593	40620	17.51	18	0
				2637.8	41068	17.50	18	0
				2682.5	41515	17.65	18	0
		36 RB	0	2503.5	39725	17.28	18	0
				2548.3	40173	17.32	18	0
				2593	40620	17.38	18	0
				2637.8	41068	17.53	18	0
				2682.5	41515	17.42	18	0
			18	2503.5	39725	17.39	18	0
				2548.3	40173	17.31	18	0
				2593	40620	17.34	18	0
				2637.8	41068	17.36	18	0
				2682.5	41515	17.41	18	0
			37	2503.5	39725	17.25	18	0
				2548.3	40173	17.37	18	0
				2593	40620	17.44	18	0
				2637.8	41068	17.44	18	0
				2682.5	41515	17.47	18	0
		75RB		2503.5	39725	17.43	18	0
				2548.3	40173	17.23	18	0
				2593	40620	17.28	18	0
				2637.8	41068	17.47	18	0
				2682.5	41515	17.42	18	0

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TDD Band 41								
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	17.58	18	0
				2548.3	40173	17.85	18	0
				2593	40620	17.63	18	0
				2637.8	41068	17.67	18	0
				2682.5	41515	17.86	18	0
			36	2503.5	39725	17.25	18	0
				2548.3	40173	17.45	18	0
				2593	40620	17.19	18	0
				2637.8	41068	17.46	18	0
				2682.5	41515	17.34	18	0
			74	2503.5	39725	17.39	18	0
				2548.3	40173	17.23	18	0
				2593	40620	17.28	18	0
				2637.8	41068	17.55	18	0
				2682.5	41515	17.64	18	0
		36 RB	0	2503.5	39725	17.19	18	0
				2548.3	40173	17.25	18	0
				2593	40620	17.24	18	0
				2637.8	41068	17.39	18	0
				2682.5	41515	17.44	18	0
			18	2503.5	39725	17.20	18	0
				2548.3	40173	17.11	18	0
				2593	40620	17.19	18	0
				2637.8	41068	17.22	18	0
				2682.5	41515	17.46	18	0
			37	2503.5	39725	17.12	18	0
				2548.3	40173	17.18	18	0
				2593	40620	17.19	18	0
				2637.8	41068	17.38	18	0
				2682.5	41515	17.55	18	0
		75RB		2503.5	39725	17.31	18	0
				2548.3	40173	17.26	18	0
				2593	40620	17.28	18	0
				2637.8	41068	17.20	18	0
				2682.5	41515	17.28	18	0

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TDD Band 41								
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	17.65	18	0
				2547	40160	17.69	18	0
				2593	40620	17.58	18	0
				2639	41080	17.87	18	0
				2685	41540	17.84	18	0
			25	2501	39700	17.33	18	0
				2547	40160	17.27	18	0
				2593	40620	17.45	18	0
				2639	41080	17.18	18	0
				2685	41540	17.35	18	0
			49	2501	39700	17.37	18	0
				2547	40160	17.24	18	0
				2593	40620	17.32	18	0
				2639	41080	17.47	18	0
				2685	41540	17.64	18	0
		25 RB	0	2501	39700	17.10	18	0
				2547	40160	17.32	18	0
				2593	40620	17.27	18	0
				2639	41080	17.34	18	0
				2685	41540	17.40	18	0
			12	2501	39700	17.28	18	0
				2547	40160	17.31	18	0
				2593	40620	17.30	18	0
				2639	41080	17.34	18	0
				2685	41540	17.24	18	0
			25	2501	39700	17.22	18	0
				2547	40160	17.31	18	0
				2593	40620	17.35	18	0
				2639	41080	17.35	18	0
				2685	41540	17.32	18	0
		50RB		2501	39700	17.37	18	0
				2547	40160	17.13	18	0
				2593	40620	17.13	18	0
				2639	41080	17.46	18	0
				2685	41540	17.39	18	0

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TDD Band 41								
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	17.41	18	0
				2547	40160	17.83	18	0
				2593	40620	17.58	18	0
				2639	41080	17.61	18	0
				2685	41540	17.74	18	0
			25	2501	39700	17.09	18	0
				2547	40160	17.27	18	0
				2593	40620	17.06	18	0
				2639	41080	17.30	18	0
				2685	41540	17.31	18	0
			49	2501	39700	17.27	18	0
				2547	40160	17.06	18	0
				2593	40620	17.11	18	0
				2639	41080	17.51	18	0
				2685	41540	17.52	18	0
		25 RB	0	2501	39700	17.13	18	0
				2547	40160	17.17	18	0
				2593	40620	17.18	18	0
				2639	41080	17.36	18	0
				2685	41540	17.37	18	0
			12	2501	39700	17.12	18	0
				2547	40160	17.06	18	0
				2593	40620	17.19	18	0
				2639	41080	17.12	18	0
				2685	41540	17.39	18	0
			25	2501	39700	17.10	18	0
				2547	40160	17.12	18	0
				2593	40620	17.05	18	0
				2639	41080	17.29	18	0
				2685	41540	17.38	18	0
		50RB		2501	39700	17.30	18	0
				2547	40160	17.18	18	0
				2593	40620	17.22	18	0
				2639	41080	17.04	18	0
				2685	41540	17.26	18	0

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TDD Band 41								
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	17.64	18	0
				2547.8	40148	17.67	18	0
				2593	40620	17.41	18	0
				2640.3	41093	17.73	18	0
				2687.5	41565	17.73	18	0
			12	2498.5	39675	17.22	18	0
				2547.8	40148	17.19	18	0
				2593	40620	17.40	18	0
				2640.3	41093	17.09	18	0
				2687.5	41565	17.22	18	0
			24	2498.5	39675	17.34	18	0
				2547.8	40148	17.18	18	0
				2593	40620	17.20	18	0
				2640.3	41093	17.44	18	0
				2687.5	41565	17.52	18	0
		12 RB	0	2498.5	39675	17.03	18	0
				2547.8	40148	17.18	18	0
				2593	40620	17.20	18	0
				2640.3	41093	17.26	18	0
				2687.5	41565	17.21	18	0
			6	2498.5	39675	17.11	18	0
				2547.8	40148	17.20	18	0
				2593	40620	17.24	18	0
				2640.3	41093	17.32	18	0
				2687.5	41565	17.22	18	0
			13	2498.5	39675	17.03	18	0
				2547.8	40148	17.12	18	0
				2593	40620	17.17	18	0
				2640.3	41093	17.32	18	0
				2687.5	41565	17.23	18	0
		25RB		2498.5	39675	17.22	18	0
				2547.8	40148	17.12	18	0
				2593	40620	17.03	18	0
				2640.3	41093	17.43	18	0
				2687.5	41565	17.29	18	0

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TDD Band 41								
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	17.40	18	0
				2547.8	40148	17.77	18	0
				2593	40620	17.55	18	0
				2640.3	41093	17.44	18	0
				2687.5	41565	17.70	18	0
			12	2498.5	39675	16.97	18	0
				2547.8	40148	17.15	18	0
				2593	40620	17.04	18	0
				2640.3	41093	17.14	18	0
				2687.5	41565	17.27	18	0
			24	2498.5	39675	17.11	18	0
				2547.8	40148	16.88	18	0
				2593	40620	17.08	18	0
				2640.3	41093	17.47	18	0
				2687.5	41565	17.47	18	0
		12 RB	0	2498.5	39675	16.98	18	0
				2547.8	40148	17.05	18	0
				2593	40620	17.03	18	0
				2640.3	41093	17.21	18	0
				2687.5	41565	17.29	18	0
			6	2498.5	39675	17.02	18	0
				2547.8	40148	16.96	18	0
				2593	40620	17.12	18	0
				2640.3	41093	16.99	18	0
				2687.5	41565	17.31	18	0
			13	2498.5	39675	17.07	18	0
				2547.8	40148	16.95	18	0
				2593	40620	17.03	18	0
				2640.3	41093	17.10	18	0
				2687.5	41565	17.21	18	0
		25RB		2498.5	39675	17.24	18	0
				2547.8	40148	17.01	18	0
				2593	40620	17.06	18	0
				2640.3	41093	17.03	18	0
				2687.5	41565	17.22	18	0

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

Antenna / Band	SISO		MIMO
	Main	Aux	Main + Aux
WLAN802.11b	V	V	-
WLAN802.11g	V	V	-
WLAN802.11n(20M)	V	V	V
WLAN802.11n(40M)	V	V	V
WLAN802.11ac(20M)	V	V	V
WLAN802.11ac(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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Report No.: EN/2021/40020

Main antenna

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	18.00	17.96
		6	2437		18.00	17.99
		11	2462		18.00	17.97
		12	2467		14.51	Not required
		13	2472		10.15	
	802.11g	1	2412	6Mbps	14.10	
		2	2417		16.24	
		6	2437		18.00	
		10	2457		16.21	
		11	2462		14.11	
		12	2467		11.26	
		13	2472		8.26	
	802.11n20-HT0	1	2412	MCS0	14.33	
		2	2417		16.11	
		6	2437		18.00	
		10	2457		16.01	
		11	2462		14.21	
		12	2467		11.21	
		13	2472		8.21	
	802.11n40-HT0	1	2412	MCS0	14.33	
		2	2417		16.11	
		6	2437		18.00	
		10	2457		16.01	
		11	2462		14.21	
		12	2467		11.21	
		13	2472		8.21	
	802.11ac20-VHT0	3	2422	MCS0	13.04	
		6	2437		17.11	
		9	2452		14.37	
		10	2457		11.18	
		11	2462		7.78	
	802.11ac40-VHT0	3	2422	MCS0	13.04	
		6	2437		17.11	
		9	2452		14.37	
		10	2457		11.18	
		11	2462		7.78	

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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	16.50	Not required
		40	5200		16.50	
		44	5220		16.50	
		48	5240		16.50	
	802.11n20-HT0	36	5180	MCS0	16.50	
		40	5200		16.50	
		44	5220		16.50	
		48	5240		16.50	
	802.11ac20-VHT0	36	5180	MCS0	16.50	
		40	5200		16.50	
		44	5220		16.50	
		48	5240		16.50	
	802.11n40-HT0	38	5190	MCS0	16.50	16.49
		46	5230		16.50	16.44
	802.11ac40-VHT0	38	5190	MCS0	16.50	Not required
		46	5230		16.50	
	802.11ac80-VHT0	42	5210	MCS0	15.31	

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	16.50	Not required
		56	5280		16.50	
		60	5300		16.50	
		64	5320		16.50	
	802.11n20-HT0	52	5260	MCS0	16.50	
		56	5280		16.50	
		60	5300		16.50	
		64	5320		16.50	
	802.11ac20-VHT0	52	5260	MCS0	16.50	
		56	5280		16.50	
		60	5300		16.50	
		64	5320		16.50	
	802.11n40-HT0	54	5270	MCS0	16.50	16.48
		62	5310		16.11	16.07
	802.11ac40-VHT0	54	5270	MCS0	16.50	Not required
		62	5310		16.11	
	802.11ac80-VHT0	58	5290	MCS0	14.96	

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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	16.50	Not required
		116	5580		16.50	
		140	5700		16.50	
		144	5720		16.50	
	802.11n20-HT0	100	5500	MCS0	16.50	
		120	5600		16.50	
		140	5700		16.50	
		144	5720		16.50	
	802.11ac20-VHT0	100	5500	MCS0	16.50	
		116	5580		16.50	
		140	5700		16.50	
		144	5720		16.50	
	802.11n40-HT0	102	5510	MCS0	15.01	
		118	5590		16.50	
		134	5670		16.50	
		142	5710		16.50	
	802.11ac40-VHT0	102	5510	MCS0	15.01	
		110	5550		16.50	
		134	5670		16.50	
		142	5710		16.50	
	802.11ac80-VHT0	106	5530	MCS0	14.04	14.00
		122	5610		16.50	16.49
		138	5690		16.50	16.50

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	16.50	Not required
		157	5785		16.50	
		165	5825		16.50	
	802.11n20-HT0	149	5745	MCS0	16.50	
		157	5785		16.50	
		165	5825		16.50	
	802.11ac20-VHT0	149	5745	MCS0	16.50	
		157	5785		16.50	
		165	5825		16.50	
	802.11n40-HT0	151	5755	MCS0	16.50	
		159	5795		16.50	
	802.11ac40-VHT0	151	5755	MCS0	16.50	
		159	5795		16.50	
	802.11ac80-VHT0	155	5775	MCS0	16.50	16.50

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Aux antenna

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	18.00	17.99
		6	2437		18.00	17.96
		11	2462		18.00	17.93
		12	2467		14.41	Not required
		13	2472		10.17	
	802.11g	1	2412	6Mbps	14.03	
		2	2417		16.41	
		6	2437		18.00	
		10	2457		17.11	
		11	2462		14.16	
		12	2467		11.44	
		13	2472		8.41	
	802.11n20-HT0	1	2412	MCS0	14.27	
		2	2417		16.17	
		6	2437		18.00	
		10	2457		16.11	
		11	2462		14.21	
		12	2467		11.31	
		13	2472		8.27	
	802.11n40-HT0	1	2412	MCS0	14.27	
		2	2417		16.17	
		6	2437		18.00	
		10	2457		16.11	
		11	2462		14.21	
		12	2467		11.31	
		13	2472		8.27	
	802.11ac20-VHT0	3	2422	MCS0	13.09	
		6	2437		17.06	
		9	2452		14.24	
		10	2457		11.13	
		11	2462		7.56	
	802.11ac40-VHT0	3	2422	MCS0	13.09	
		6	2437		17.06	
		9	2452		14.24	
		10	2457		11.13	
		11	2462		7.56	

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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	11.50	Not required
		40	5200		11.50	
		44	5220		11.50	
		48	5240		11.50	
	802.11n20-HT0	36	5180	MCS0	11.50	
		40	5200		11.50	
		44	5220		11.50	
		48	5240		11.50	
	802.11ac20-VHT0	36	5180	MCS0	11.50	
		40	5200		11.50	
		44	5220		11.50	
		48	5240		11.50	
	802.11n40-HT0	38	5190	MCS0	11.50	
		46	5230		11.50	
	802.11ac40-VHT0	38	5190	MCS0	11.50	
		46	5230		11.50	
	802.11ac80-VHT0	42	5210	MCS0	11.50	11.48

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	11.50	Not required
		56	5280		11.50	
		60	5300		11.50	
		64	5320		11.50	
	802.11n20-HT0	52	5260	MCS0	11.50	
		56	5280		11.50	
		60	5300		11.50	
		64	5320		11.50	
	802.11ac20-VHT0	52	5260	MCS0	11.50	
		56	5280		11.50	
		60	5300		11.50	
		64	5320		11.50	
	802.11n40-HT0	54	5270	MCS0	11.50	
		62	5310		11.50	
	802.11ac40-VHT0	54	5270	MCS0	11.50	
		62	5310		11.50	
	802.11ac80-VHT0	58	5290	MCS0	11.50	11.43

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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	11.50	Not required
		116	5580		11.50	
		140	5700		11.50	
		144	5720		11.50	
	802.11n20-HT0	100	5500	MCS0	11.50	
		120	5600		11.50	
		140	5700		11.50	
		144	5720		11.50	
	802.11ac20-VHT0	100	5500	MCS0	11.50	
		116	5580		11.50	
		140	5700		11.50	
		144	5720		11.50	
	802.11n40-HT0	102	5510	MCS0	11.50	
		118	5590		11.50	
		134	5670		11.50	
		142	5710		11.50	
	802.11ac40-VHT0	102	5510	MCS0	11.50	
		118	5590		11.50	
		134	5670		11.50	
		142	5710		11.50	
	802.11ac80-VHT0	106	5530	MCS0	11.50	11.45
		122	5610		11.50	11.42
		138	5690		11.50	11.50

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	11.50	Not required
		157	5785		11.50	
		165	5825		11.50	
	802.11n20-HT0	149	5745	MCS0	11.50	
		157	5785		11.50	
		165	5825		11.50	
	802.11ac20-VHT0	149	5745	MCS0	11.50	
		157	5785		11.50	
		165	5825		11.50	
	802.11n40-HT0	151	5755	MCS0	11.50	
		159	5795		11.50	
	802.11ac40-VHT0	151	5755	MCS0	11.50	
		159	5795		11.50	
	802.11ac80-VHT0	155	5775	MCS0	11.50	11.47

Bluetooth conducted power table:

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			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	6.00	4.32	6.00	Not requird	6.00	Not requird
	CH 39	2441		4.14				
	CH 78	2480		4.18				

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 37	2402	6	Not requird
	CH 17	2440		
	CH 39	2480		

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 37	2402	6	Not requird
	CH 17	2440		
	CH 39	2480		

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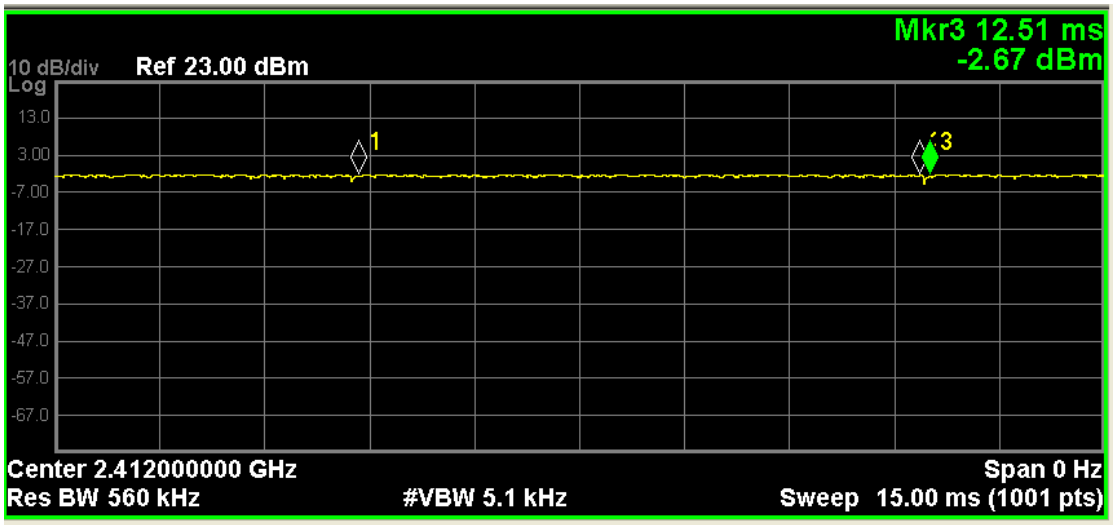
WLAN 802.11b Aux



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.335 ms	-2.67 dBm			
2	N	1	t	12.36 ms	-2.55 dBm			
3	N	1	t	12.51 ms	-2.67 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Total time

8.175ms

Operating time

8.025ms

Duty cycle

8.025/8.175=0.982

Duty factor

1/0.982=1.018

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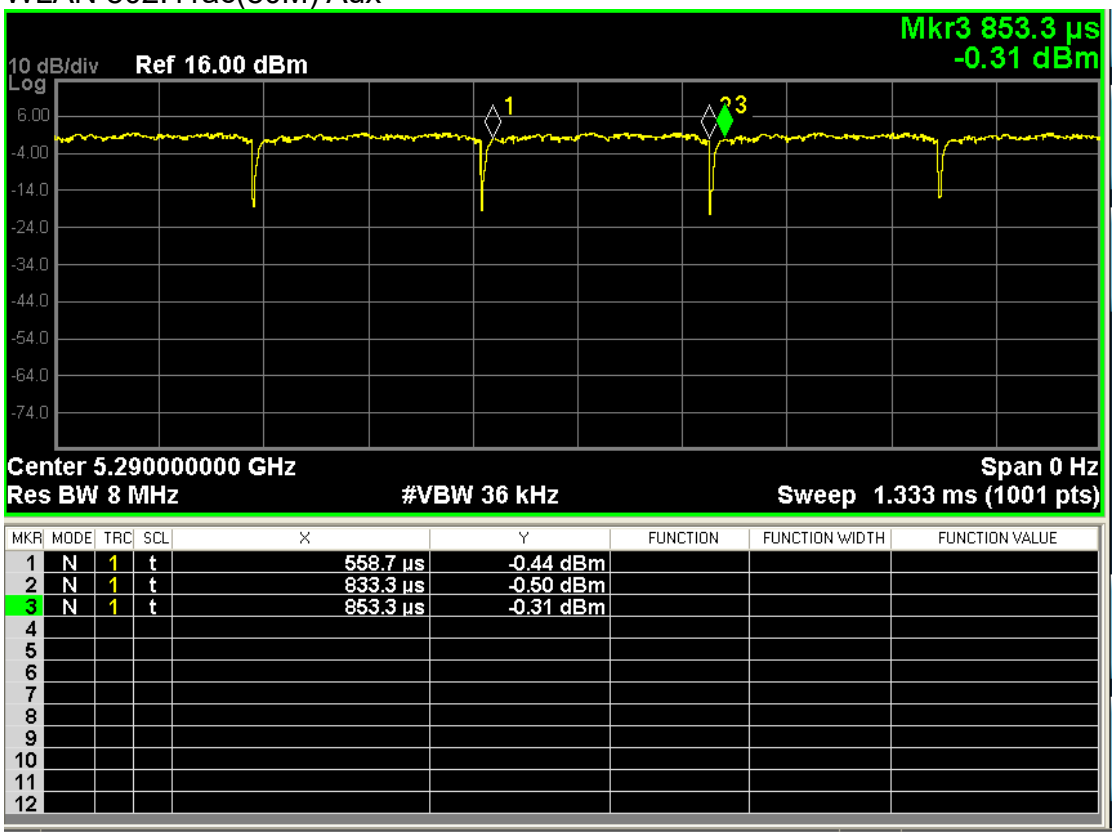
WLAN 802.11ac(80M) Aux



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	558.7 µs	-0.44 dBm			
2	N	1	t	833.3 µs	-0.50 dBm			
3	N	1	t	853.3 µs	-0.31 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Total time

0.295ms

Operating time

0.275ms

Duty cycle

0.275/0.295=0.932

Duty factor

1/0.932=1.073

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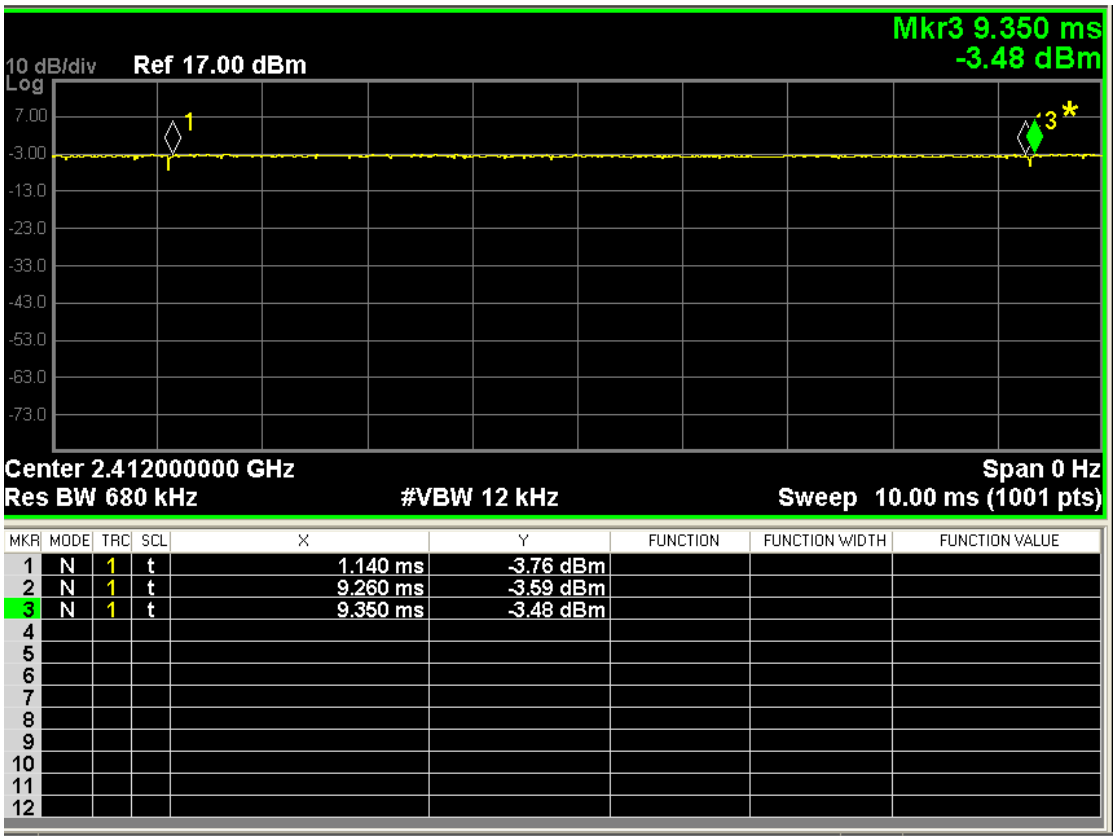
WLAN 802.11b Main



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.140 ms	-3.76 dBm			
2	N	1	t	9.260 ms	-3.59 dBm			
3	N	1	t	9.350 ms	-3.48 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Total time

8.21ms

Operating time

8.12ms

Duty cycle

8.12/8.21=0.989

Duty factor

1/0.989=1.01

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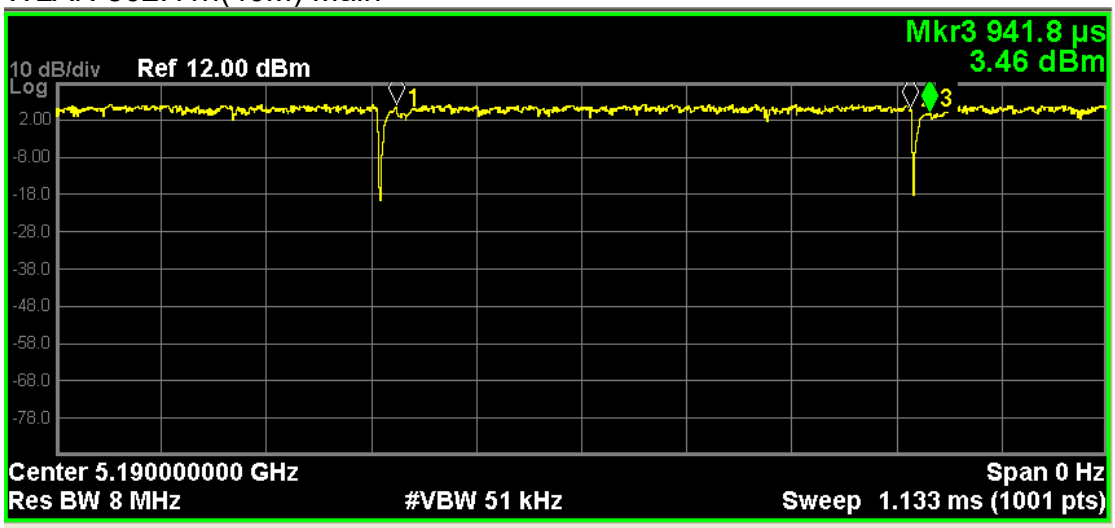
WLAN 802.11n(40M) Main



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	367.2 µs	5.44 dBm			
2	N	1	t	921.4 µs	4.46 dBm			
3	N	1	t	941.8 µs	3.46 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Total time

0.575ms

Operating time

0.554ms

Duty cycle

0.554/0.575 =0.963

Duty factor

1/0.963=1.038

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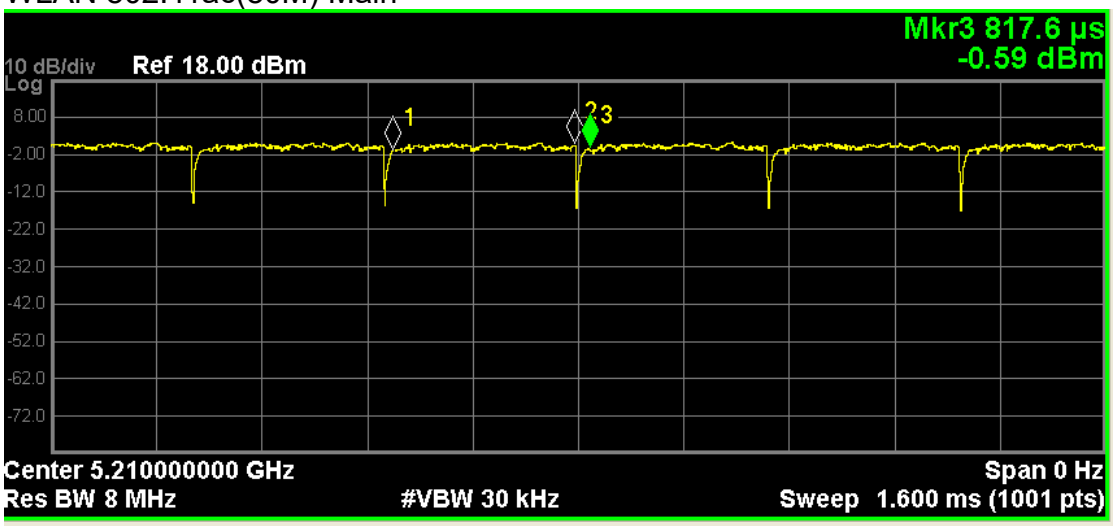
WLAN 802.11ac(80M) Main



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	518.4 µs	-1.18 dBm			
2	N	1	t	793.6 µs	0.36 dBm			
3	N	1	t	817.6 µs	-0.59 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Total time

0.3ms

Operating time

0.276ms

Duty cycle

0.276/0.3=0.92

Duty factor

1/0.920=1.087

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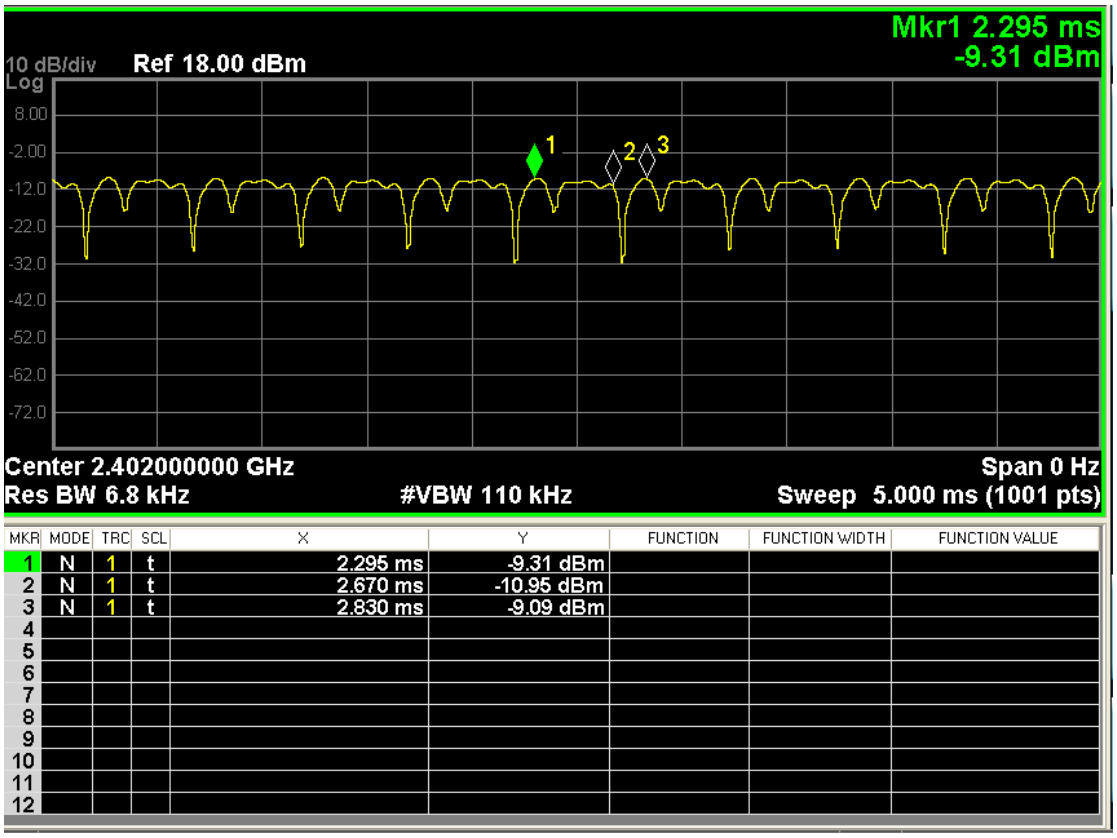
Bluetooth Aux



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.295 ms	-9.31 dBm			
2	N	1	t	2.670 ms	-10.95 dBm			
3	N	1	t	2.830 ms	-9.09 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Total time

0.535ms

Operating time

0.375ms

Duty cycle

0.375/0.535=0.701

Duty factor

1/0.701=1.427

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1.3.1 LTE Downlink CA specification

LTE Downlink 2CA conducted power table

Two Component Carrier Maximum Conducted Power															
PCC									SCC				Full power		Configurations
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B17	10	5790	740	23.40	23.78	CA_2A-17A
LTE B17	10	23790	710	QPSK	1	0	5790	740	LTE B2	20	900	1960	22.74	23.11	CA_2A-17A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B17	10	5790	740	23.20	23.59	CA_4A-17A
LTE B17	10	23790	710	QPSK	1	0	5790	740	LTE B4	20	2175	2132.5	22.79	23.11	CA_4A-17A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B7	20	21100	2535	23.25	23.60	CA_5A-7A
LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B5	10	2525	881.5	22.88	23.21	CA_5A-7A
LTE B7	15	20825	2507.5	QPSK	1	74	2825	2627.5	LTE B7	5	2918	2636.8	22.38	22.76	CA_7B
LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3048	2649.8	22.91	23.21	CA_7C
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3152	2660.2	22.67	22.96	CA_7C
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	2850	2630	22.59	22.96	CA_7A-7A
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	22.24	22.61	CA_41A-41A
LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	39750	2506	22.52	22.73	CA_41A-41A

Two Component Carrier Maximum Conducted Power															
PCC									SCC				Reduced power		Configurations
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B17	10	5790	740	20.30	20.50	CA_2A-17A
LTE B17	10	23790	710	QPSK	1	0	5790	740	LTE B2	20	900	1960	21.50	21.84	CA_2A-17A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B17	10	5790	740	19.65	20.00	CA_4A-17A
LTE B17	10	23790	710	QPSK	1	0	5790	740	LTE B4	20	2175	2132.5	21.48	21.84	CA_4A-17A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B7	20	21100	2535	20.54	20.84	CA_5A-7A
LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B5	10	2525	881.5	15.92	16.31	CA_5A-7A
LTE B7	15	20825	2507.5	QPSK	75	0	2825	2627.5	LTE B7	5	2918	2636.8	15.66	16.04	CA_7B
LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3048	2649.8	16.08	16.31	CA_7C
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3152	2660.2	21.55	21.79	CA_7C
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	2850	2630	21.52	21.79	CA_7A-7A
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	17.53	17.85	CA_41A-41A
LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	39750	2506	17.78	18.00	CA_41A-41A

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LTE Downlink 3CA conducted power table

Three Component Carrier Maximum Conducted Power																			
PCC									SCC 1				SCC 2				Full Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	Configurations
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	23.06	23.64	CA_2A-2A-5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	700	1940	LTE B5	10	2525	881.5	23.18	23.65	CA_2A-2A-5A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	700	1940	LTE B2	20	1100	1980	23.02	23.60	CA_2A-2A-5A
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B13	10	5230	751	23.16	23.64	CA_2A-2A-13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	700	1940	LTE B13	10	5230	751	23.22	23.65	CA_2A-2A-13A
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	700	1940	LTE B2	10	1100	1980	23.14	23.54	CA_2A-2A-13A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	23.26	23.78	CA_2A-4A-5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	23.16	23.59	CA_2A-4A-5A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	23.14	23.60	CA_2A-4A-5A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	23.26	23.78	CA_2A-4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	23.06	23.59	CA_2A-4A-13A
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	23.07	23.54	CA_2A-4A-13A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	23.37	23.78	CA_2A-5A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	23.16	23.60	CA_2A-5A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	22.32	22.78	CA_2A-5A-30A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	23.33	23.78	CA_2A-5A-66A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	23.17	23.60	CA_2A-5A-66A
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B2	20	900	1960	LTE B5	10	2525	881.5	23.23	23.69	CA_2A-5A-66A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	23.23	23.78	CA_2A-12A-30A
LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	22.56	23.07	CA_2A-12A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B12	10	5095	737.5	LTE B2	20	900	1960	22.29	22.78	CA_2A-12A-30A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B13	10	5230	751	LTE B66	20	66786	2145	23.19	23.78	CA_2A-13A-66A
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	23.08	23.54	CA_2A-13A-66A
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B2	20	900	1960	LTE B13	10	5230	751	23.14	23.69	CA_2A-13A-66A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	23.32	23.78	CA_2A-29A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	22.24	22.78	CA_2A-29A-30A
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B29	10	9715	722.5	23.22	23.64	CA_2C-29A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	902	1960.2	LTE B29	10	9715	722.5	23.24	23.65	CA_2C-29A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B66	20	66536	2120	LTE B66	20	66734	2139.8	23.21	23.78	CA_2A-66B
LTE B66	10	132622	1775	QPSK	1	0	67086	2175	LTE B66	20	66987	2165.1	LTE B2	20	900	1960	23.11	23.57	CA_2A-66B
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B66	20	66536	2120	LTE B66	20	66734	2139.8	23.38	23.78	CA_2A-66C
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	23.25	23.69	CA_2A-66C
LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	23.15	23.56	CA_4A-4A-5A
LTE B4	20	20300	1745	QPSK	1	0	2300	2145	LTE B4	20	2050	2120	LTE B5	10	2525	881.5	23.13	23.58	CA_4A-4A-5A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B4	20	2050	2120	LTE B4	20	2300	2145	23.14	23.60	CA_4A-4A-5A
LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	23.04	23.56	CA_4A-4A-13A
LTE B4	20	20300	1745	QPSK	1	0	2300	2145	LTE B4	20	2050	2120	LTE B13	10	5230	751	23.00	23.59	CA_4A-4A-13A
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B4	20	2050	2120	LTE B4	20	2300	2145	23.12	23.54	CA_4A-4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	23.19	23.59	CA_4A-5A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	23.19	23.60	CA_4A-5A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	22.37	22.78	CA_4A-5A-30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	23.02	23.59	CA_4A-12A-30A
LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	22.59	23.07	CA_4A-12A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	22.21	22.78	CA_4A-12A-30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	23.01	23.59	CA_4A-29A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	22.31	22.78	CA_4A-29A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	LTE B66	20	67036	2170	23.06	23.60	CA_5A-66B
LTE B66	10	132622	1775	QPSK	1	0	67086	2175	LTE B66	20	66987	2165.1	LTE B5	10	2525	881.5	23.09	23.55	CA_5A-66B
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	LTE B66	20	67036	2170	23.05	23.60	CA_5A-66C
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66734	2139.8	LTE B5	10	2525	881.5	23.18	23.69	CA_5A-66C
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B66	20	66536	2120	LTE B66	20	67036	2170	23.10	23.54	CA_13A-66B
LTE B66	10	132622	1775	QPSK	1	0	67086	2175	LTE B66	20	66987	2165.1	LTE B13	10	5230	751	23.11	23.69	CA_13A-66B
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B66	20	66536	2120	LTE B66	20	67036	2170	23.06	23.54	CA_13A-66C
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66734	2139.8	LTE B13	10	5230	751	23.27	23.69	CA_13A-66C
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	40620	2593	LTE B41	20	41490	2680	22.16	22.61	CA_41D
LTE B41	20	40620	2593	QPSK	1	0	40620	2593	LTE B41	20	39750	2506	LTE B41	20	41490	2680	22.27	22.69	CA_41D
LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	39750	2506	LTE B41	20	40620	2593	22.30	22.73	CA_41D
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	22.05	22.61	CA_41A-41C
LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	39750	2506	LTE B41	20	41292	2660.2	22.22	22.73	CA_41A-41C
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	23.11	23.55	CA_66D
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67187	2185.1	LTE B66	20	67286	2195	23.10	23.55	CA_66A-66B
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	23.07	23.55	CA_66A-66C

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Three Component Carrier Maximum Conducted Power																			
PCC									SCC 1				SCC 2				Reduced Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	Configurations
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	19.96	20.49	CA_2A-2A-5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	700	1940	LTE B5	10	2525	881.5	20.02	20.48	CA_2A-2A-5A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	700	1940	LTE B2	20	1100	1980	20.29	20.84	CA_2A-2A-5A
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B13	10	5230	751	20.09	20.49	CA_2A-2A-13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	700	1940	LTE B13	10	5230	751	19.92	20.48	CA_2A-2A-13A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	700	1940	LTE B2	10	1100	1980	21.38	21.92	CA_2A-2A-13A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	19.94	20.50	CA_2A-4A-5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	19.46	20.00	CA_2A-4A-5A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	20.43	20.84	CA_2A-4A-5A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	19.99	20.50	CA_2A-4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	19.44	20.00	CA_2A-4A-13A
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	21.37	21.92	CA_2A-4A-13A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	20.08	20.50	CA_2A-5A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	20.44	20.84	CA_2A-5A-30A
LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	18.42	18.86	CA_2A-5A-30A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	19.98	20.50	CA_2A-5A-66A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	20.26	20.84	CA_2A-5A-66A
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B2	20	900	1960	LTE B5	10	2525	881.5	19.43	20.00	CA_2A-5A-66A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	19.91	20.50	CA_2A-12A-30A
LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	21.45	21.89	CA_2A-12A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B12	10	5095	737.5	LTE B2	20	900	1960	18.30	18.86	CA_2A-12A-30A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B13	10	5230	751	LTE B66	20	66786	2145	19.99	20.50	CA_2A-13A-66A
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	21.42	21.92	CA_2A-13A-66A
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B2	20	900	1960	LTE B13	10	5230	751	19.46	20.00	CA_2A-13A-66A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	19.92	20.50	CA_2A-29A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	18.46	18.86	CA_2A-29A-30A
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B29	10	9715	722.5	20.02	20.49	CA_2C-29A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	902	1960.2	LTE B29	10	9715	722.5	20.08	20.48	CA_2C-29A
LTE B2	20	18900	1880	QPSK	1	0	900	1960	LTE B66	20	66536	2120	LTE B66	20	66734	2139.8	20.05	20.50	CA_2A-66B
LTE B66	10	132622	1775	QPSK	1	0	67086	2175	LTE B66	20	66987	2165.1	LTE B2	20	900	1960	19.42	19.91	CA_2A-66B
LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B66	20	66536	2120	LTE B66	20	66734	2139.8	19.95	20.49	CA_2A-66C
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	19.50	20.00	CA_2A-66C
LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	19.39	19.98	CA_4A-4A-5A
LTE B4	20	20300	1745	QPSK	1	0	2300	2145	LTE B4	20	2050	2120	LTE B5	10	2525	881.5	19.47	19.96	CA_4A-4A-5A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B4	20	2050	2120	LTE B4	20	2300	2145	20.30	20.84	CA_4A-4A-5A
LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	19.47	19.98	CA_4A-4A-13A
LTE B4	20	20300	1745	QPSK	1	0	2300	2145	LTE B4	20	2050	2120	LTE B13	10	5230	751	19.52	19.96	CA_4A-4A-13A
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B4	20	2050	2120	LTE B4	20	2300	2145	21.34	21.92	CA_4A-4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	19.50	20.00	CA_4A-5A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	20.25	20.84	CA_4A-5A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	18.35	18.86	CA_4A-5A-30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	19.54	20.00	CA_4A-12A-30A
LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	21.33	21.89	CA_4A-12A-30A
LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	18.37	18.86	CA_4A-12A-30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	19.46	20.00	CA_4A-29A-30A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	18.28	18.86	CA_4A-29A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	LTE B66	20	67036	2170	20.30	20.84	CA_5A-66B
LTE B66	10	132622	1775	QPSK	1	0	67086	2175	LTE B66	20	66987	2165.1	LTE B5	10	2525	881.5	19.46	19.91	CA_5A-66B
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	LTE B66	20	67036	2170	20.36	20.84	CA_5A-66C
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66734	2139.8	LTE B5	10	2525	881.5	19.56	20.00	CA_5A-66C
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B66	20	66536	2120	LTE B66	20	67036	2170	21.49	21.92	CA_13A-66B
LTE B66	10	132622	1775	QPSK	1	0	67086	2175	LTE B66	20	66987	2165.1	LTE B13	10	5230	751	19.50	19.91	CA_13A-66B
LTE B13	10	23230	782	QPSK	1	25	5230	751	LTE B66	20	66536	2120	LTE B66	20	67036	2170	21.51	21.92	CA_13A-66C
LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66734	2139.8	LTE B13	10	5230	751	19.46	20.00	CA_13A-66C
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	40620	2593	LTE B41	20	41490	2680	17.42	17.85	CA_41D
LTE B41	20	40620	2593	QPSK	1	0	40620	2593	LTE B41	20	39750	2506	LTE B41	20	41490	2680	17.24	17.80	CA_41D
LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	39750	2506	LTE B41	20	40620	2593	17.43	18.00	CA_41D
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.32	17.85	CA_41A-41C
LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	39750	2506	LTE B41	20	41292	2660.2	17.58	18.00	CA_41A-41C
LTE B66	20	132072	1720	QPSK	100	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	19.23	19.70	CA_66D
LTE B66	20	132072	1720	QPSK	100	0	66536	2120	LTE B66	20	67187	2185.1	LTE B66	20	67286	2195	19.14	19.70	CA_66A-66B
LTE B66	20	132072	1720	QPSK	100	0	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	19.24	19.70	CA_66A-66C

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LTE CA information

A)

The device supports downlink LTE Carrier Aggregation (CA) only. It supports a maximum of 3 carriers in the downlink. Other Release 10 features or higher features are not supported, including Uplink Carrier Aggregation, 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 V16.5.0. The conducted power measurement results of downlink LTE CA are provided as above per 3GPP TS 36.521-1 V16.5.0. According to KDB 941225 D05A and RF exposure procedures in TCB workshop April 2018, the downlink LTE CA SAR test is not required.

B)

CA combination table

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

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Note:

1) For the inter-band CA combinations, except B29 can't be PCC, 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 V16.5.0.

3) The reference test frequencies for CA refers to 3GPP TS 36.508 V16.6.0

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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1.4 Test Environment

Ambient Temperature: 22±2° C
Tissue Simulating Liquid: 22±2° 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 capacitive proximity sensor is used to trigger the power reduction when the device is operated near the user (tablet mode). Also, the capacitive proximity sensor is collocated with WWAN Main antenna.
For WLAN, the power reduction is not supported.

Notebook mode

WLAN Aux SAR is measured with display screen open at 90 degree and bottom side of keyboard touch against the flat phantom.

Tablet mode

SAR is measured with backside/edges touch against the flat phantom.

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. **UMTS:** 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 ≤ ¼ dB higher than the primary mode (WCDMA), SAR

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measurement is not required for the secondary mode (HSDPA). The following 4 sub-tests were completed according to Release 5 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15.
Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

3. **UMTS:** 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 ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA). The following 5 sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (2) (dB)	MPR (dB)	AG (4) Index	E-TFCI
1	11/15 (3)	15/15 (3)	64	11/15 (3)	22/15	209/225	1039/225	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	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 (4)	15/15 (4)	64	15/15 (4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.
Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 14/15 and β_d = 15/15.
Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.
Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

4. **UMTS:** The 3G SAR test reduction procedure is applied to HSPA+ with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA+) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA+). The following 1

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sub-test was completed according to Release 7 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

Table C.11.1.4**: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM**

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}4: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with $\beta_{hs} = 30/15 * \beta_c$

Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).

Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.

Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

5. **UMTS:** The 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable. Since the maximum output power in a secondary mode (DC-HSDPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (DC-HSDPA). The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0. A summary of these setting are illustrated below:

   The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122

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Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

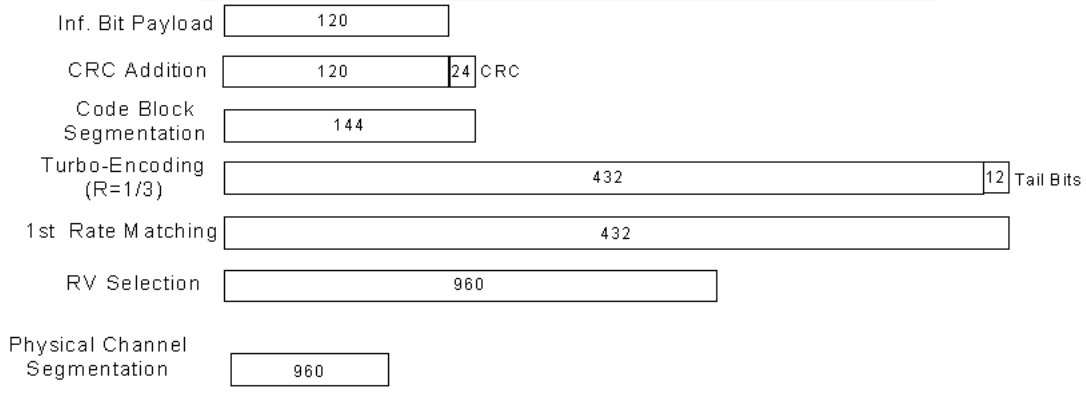

Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 sub-tests for HSDPA were completed according to Release 8 procedures in section 5.2 of 3GPP TS34.121. A summary of subtest settings are illustrated below:

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

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$
Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$.
Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

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6. **LTE:** 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

- 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 > ½ 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

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- 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 > ½ 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.
- TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 special 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 4.2, the duty factor for UL-DL configuration 0/special subframe configuration 6 using extended cyclic prefix is 0.633.

According to KDB 941225 D05, SAR testing for TDD LTE must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be tabulated as below.

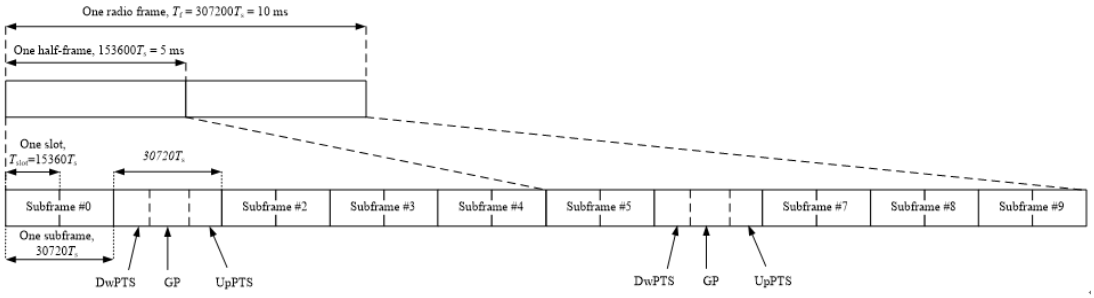

Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

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

Table 4.2-2: Uplink-downlink configurations

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

Considering the highest transmission duty cycle, TDD LTE was tested using Uplink-Downlink configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 6 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%.

7. **LTE downlink CA:** The device supports a maximum of 3 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

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tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive. 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*|BW1 – BW2|]/2 MHz, where BW1 and BW2 are the channel bandwidths of the CC in a 2-CC aggregation configuration. 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. When downlink carrier aggregation is active uplink maximum output power remain 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, so SAR evaluation is not required for downlink carrier aggregation.

8. **General:** 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. 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 (~ 10% from the 1-g SAR limit).
9. There are two antenna vendors for WWAN/WLAN antenna, and they were measured fully and separately.

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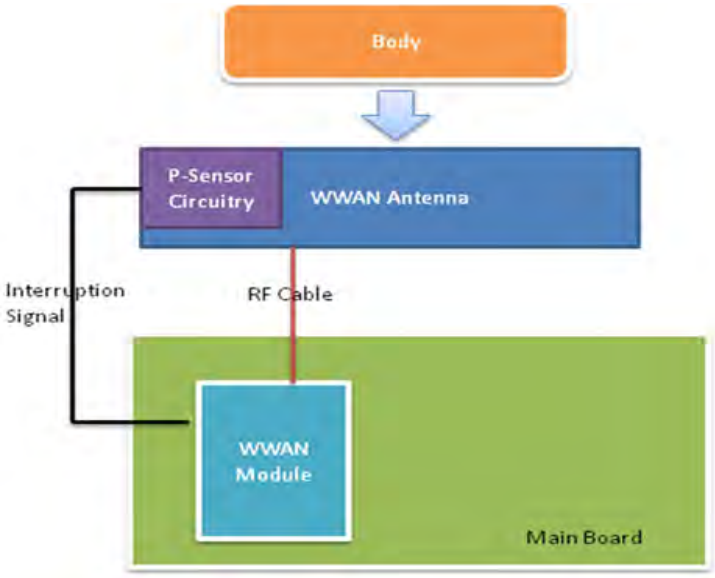
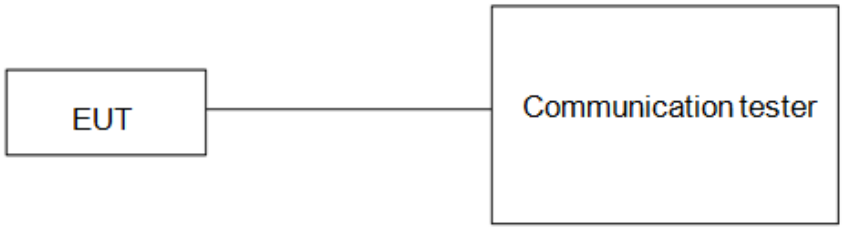
1.6 Proximity sensor operation description

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.



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 base station simulator. 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 test setup.



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1.6.2 Trigger distances for 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 then moved back (further away) from the phantom until maximum output power is returned to the normal maximum level.

4. 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

5. 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.

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.

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 top side, the trigger distance of proximity sensor is 13mm.

10. For top side, 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 +/- 45deg or more from the vertical position at 0 deg.

2. If sensor triggering is released and normal maximum output power is restored within the +/- 45deg 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 +/- 45deg, so 13-1=12mm is used in the SAR measurements of top side.

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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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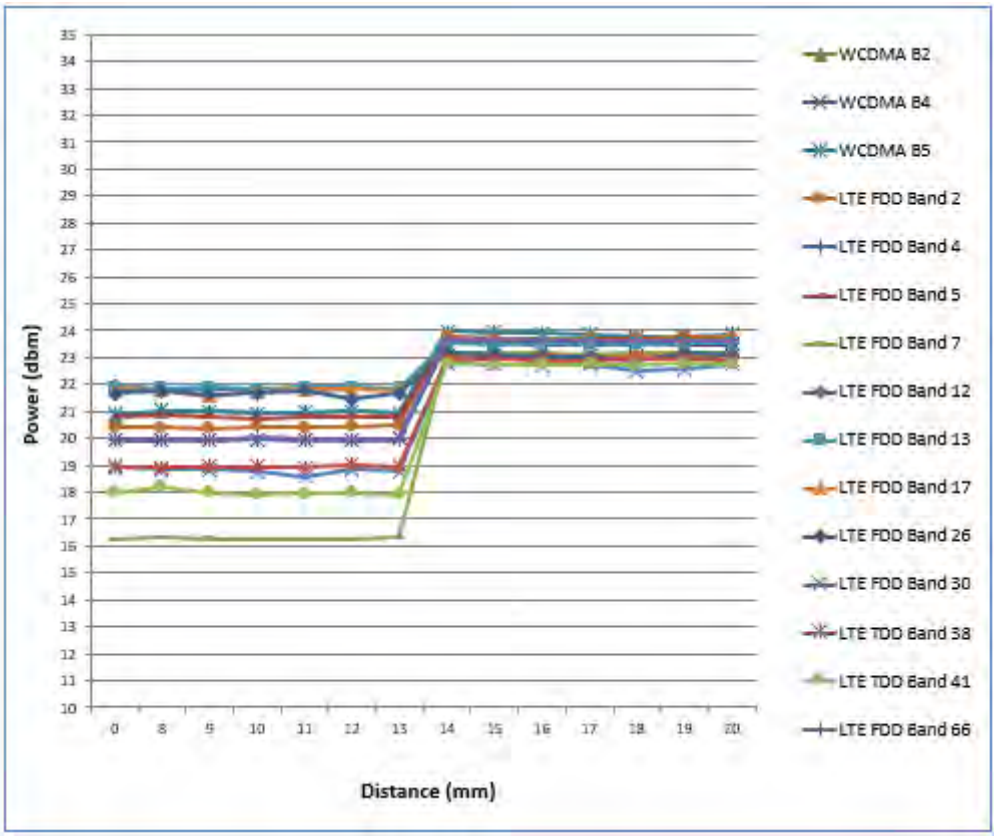
1.6.5 Results

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.

Top side

Moving device toward the phantom



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Moving device away from the phantom

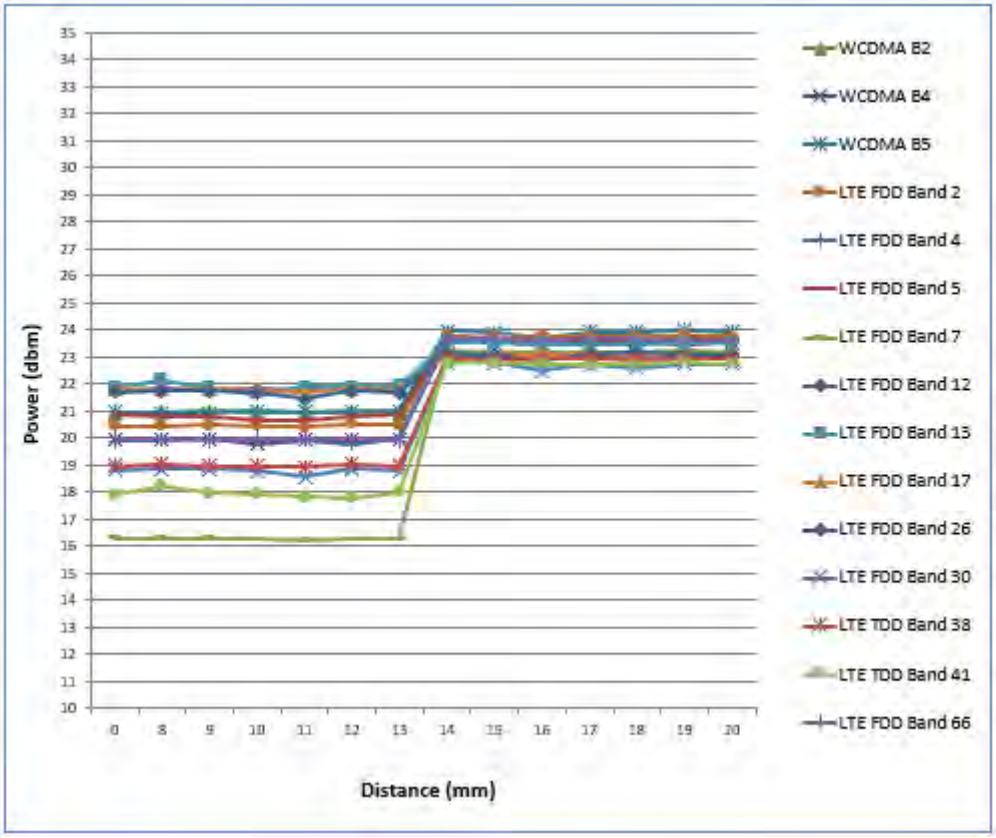

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Table 1.6.5 Tilt angle test results for top side

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
13mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

During the tilt angle testing for top side, the sensor is not released in 13mm, so 13-1=12mm is used in the SAR measurement.

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. 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 for WWAN. The reduced power for each technology/band is defined in Table1-1. With P-sensor mechanism, please refer to WWAN reduced power table in section 1.3 to be the WWAN default power when P-sensor failure or malfunction.

Table1-1：The power reduction scenario table

Transmission mode	Band	Power Reduction
WWAN	All	YES

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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= σ ($|Ei|^2$)/ ρ 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 intissue 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.

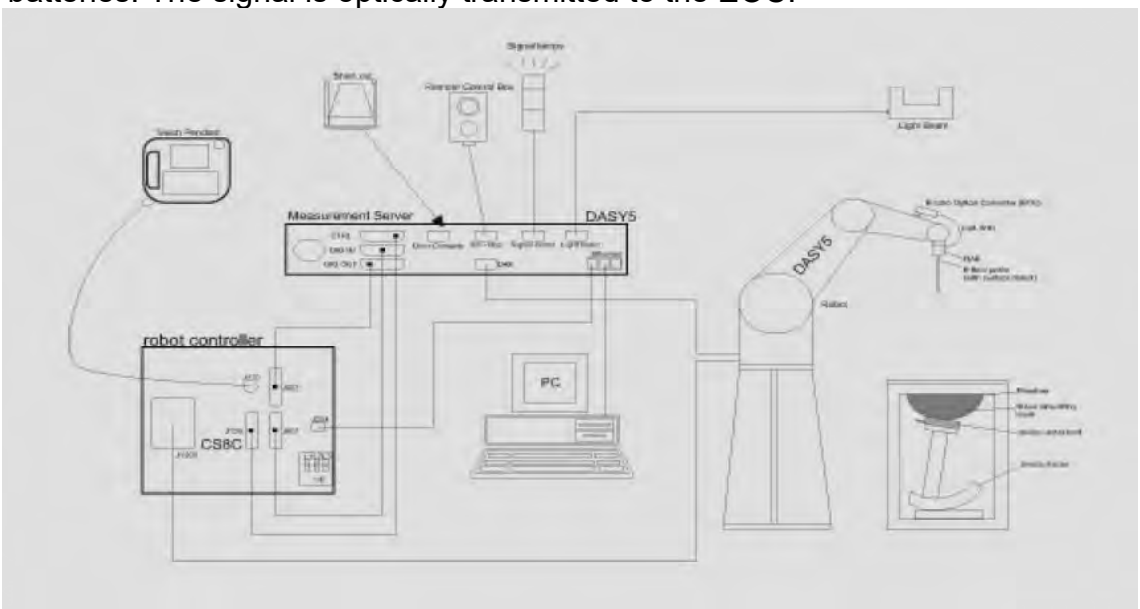

Fig. a The block diagram of SAR system

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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. Tissue simulating liquid mixed according to the given recipes.
11. 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 750/835/1750/1900/2300/2450/2600/5200/5300/5600/5800MHz 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 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/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 +/- 10% from the target SAR values. These tests were done at 750/835/1750/1900/23002450/ /2600/5200/5300/5600/5800MHz. 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 ≥ 15 cm ± 5 mm (frequency ≤ 3 GHz) or ≥ 10 cm ± 5 mm (frequency > 3 G Hz) 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.

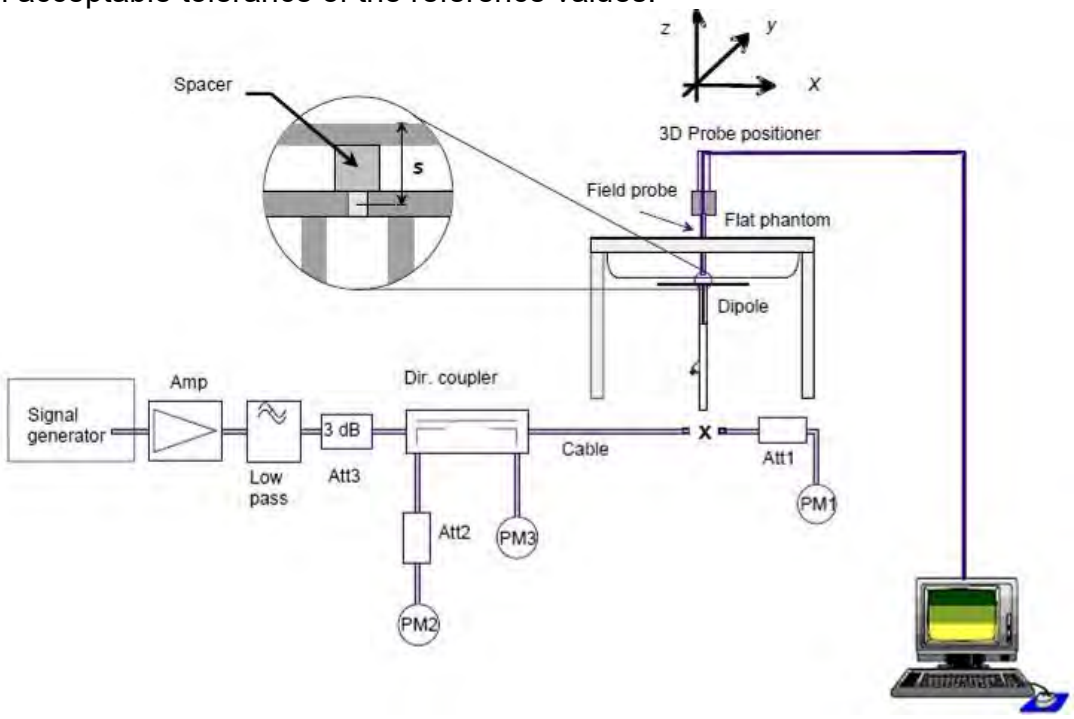

Fig. b The block diagram of system verification

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Report No.: EN/2020/80008

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	8.48	2.00	8.00	-5.66%	Sep. 08, 2020
D750V3	1015	750	Head	8.48	2.05	8.20	-3.30%	Sep. 27, 2020
D835V2	4d063	835	Head	9.52	2.38	9.52	0.00%	Sep. 09, 2020
D835V2	4d063	835	Head	9.52	2.40	9.60	0.84%	Sep. 10, 2020
D835V2	4d063	835	Head	9.52	2.23	8.92	-6.30%	Sep. 11, 2020
D835V2	4d063	835	Head	9.52	2.28	9.12	-4.20%	Sep. 28, 2020
D835V2	4d063	835	Head	9.52	2.34	9.36	-1.68%	Sep. 29, 2020
D835V2	4d063	835	Head	9.52	2.24	8.96	-5.88%	Sep. 30, 2020
D1750V2	1008	1750	Head	36.00	8.58	34.32	-4.67%	Sep. 12, 2020
D1750V2	1008	1750	Head	36.00	8.84	35.36	-1.78%	Oct. 01, 2020
D1900V2	5d173	1900	Head	39.40	9.91	39.64	0.61%	Sep. 13, 2020
D1900V2	5d173	1900	Head	39.40	9.30	37.20	-5.58%	Oct. 02, 2020
D2300V2	1023	2300	Head	49.00	12.30	49.20	0.41%	Sep. 14, 2020
D2300V2	1023	2300	Head	49.00	12.40	49.60	1.22%	Oct. 03, 2020
D2600V2	1005	2600	Head	57.30	15.30	61.20	6.81%	Sep. 24, 2020
D2600V2	1005	2600	Head	57.30	14.60	58.40	1.92%	Sep. 25, 2020
D2600V2	1005	2600	Head	57.30	14.00	56.00	-2.27%	Sep. 26, 2020

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Report No.: EN/2021/40020

Hong-Bo

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
D2450V2	835	2450	Head	51.5	12.80	51.2	-0.58%	May. 05, 2021
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
D5GHzV2	1023	5200	Head	77.9	7.79	77.9	0.00%	May. 06, 2021
		5300	Head	80.4	8.10	81	0.75%	May. 07, 2021
		5600	Head	83.9	8.47	84.7	0.95%	May. 08, 2021
		5800	Head	80.9	8.05	80.5	-0.49%	May. 09, 2021

WNC

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
D2450V2	835	2450	Head	51.5	12.80	51.2	-0.58%	May. 10, 2021
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
D5GHzV2	1023	5200	Head	77.9	7.76	77.6	-0.39%	May. 11, 2021
		5300	Head	80.4	7.97	79.7	-0.87%	May. 12, 2021
		5600	Head	83.9	8.52	85.2	1.55%	May. 13, 2021
		5800	Head	80.9	8.09	80.9	0.00%	May. 14, 2021

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 ± 5% of the target values.
The depth of the tissue simulant in the flat section of the phantom was ≥ 15 cm ± 5 mm (Frequency ≤3G) or ≥ 10 cm ± 5 mm (Frequency >3G) during all tests. (Fig. 2)

Report No.: EN/2020/80008

Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	Sep, 08. 2020	704.00	42.181	0.890	43.861	0.872	-3.98%	2.00%
		707.50	42.162	0.890	43.685	0.874	-3.61%	1.80%
		709.00	42.155	0.890	43.671	0.880	-3.60%	1.14%
		710.00	42.149	0.890	43.575	0.883	-3.38%	0.82%
		711.00	42.144	0.890	43.433	0.884	-3.06%	0.71%
		750.00	41.942	0.893	43.244	0.892	-3.11%	0.15%
		782.00	41.775	0.896	42.872	0.901	-2.63%	-0.57%
	Sep, 09. 2020	826.40	41.545	0.899	42.111	0.861	-1.36%	4.26%
		829.00	41.531	0.900	42.092	0.864	-1.35%	3.95%
		835.00	41.500	0.900	42.091	0.871	-1.42%	3.22%
		836.50	41.500	0.902	42.046	0.872	-1.32%	3.28%
		836.60	41.500	0.902	42.023	0.875	-1.26%	2.96%
		844.00	41.500	0.910	41.965	0.879	-1.12%	3.37%
		846.60	41.500	0.912	41.927	0.881	-1.03%	3.45%
	Sep, 10. 2020	821.50	41.570	0.899	42.317	0.883	-1.80%	1.77%
		831.50	41.518	0.900	42.242	0.894	-1.74%	0.64%
		835.00	41.500	0.900	42.185	0.897	-1.65%	0.33%
		841.50	41.500	0.907	42.128	0.903	-1.51%	0.44%
	Sep, 11. 2020	831.50	41.518	0.900	42.018	0.884	-1.20%	1.75%
		835.00	41.500	0.900	41.942	0.886	-1.07%	1.56%
		836.50	41.500	0.902	41.938	0.891	-1.06%	1.18%
		841.50	41.500	0.907	41.881	0.892	-0.92%	1.65%
	Sep, 12. 2020	1712.40	40.138	1.349	41.887	1.321	-4.36%	2.10%
		1720.00	40.126	1.354	41.815	1.330	-4.21%	1.75%
		1732.40	40.107	1.361	41.771	1.342	-4.15%	1.39%
		1732.50	40.107	1.361	41.766	1.345	-4.14%	1.17%
		1745.00	40.087	1.368	41.742	1.349	-4.13%	1.40%
		1750.00	40.079	1.371	41.709	1.357	-4.07%	1.02%
		1752.60	40.075	1.373	41.683	1.361	-4.01%	0.84%
		1770.00	40.047	1.383	41.631	1.381	-3.95%	0.12%

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Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	Sep, 13. 2020	1852.40	40.000	1.400	41.371	1.432	-3.43%	-2.29%
		1860.00	40.000	1.400	41.325	1.436	-3.31%	-2.57%
		1880.00	40.000	1.400	41.297	1.441	-3.24%	-2.93%
		1882.50	40.000	1.400	41.268	1.452	-3.17%	-3.71%
		1900.00	40.000	1.400	41.211	1.459	-3.03%	-4.21%
		1905.00	40.000	1.400	41.209	1.461	-3.02%	-4.36%
		1907.60	40.000	1.400	41.187	1.466	-2.97%	-4.71%
	Sep, 14. 2020	2300.00	39.467	1.667	40.918	1.693	-3.68%	-1.58%
		2310.00	39.449	1.676	40.855	1.703	-3.56%	-1.64%
	Sep, 24. 2020	2510.00	39.124	1.865	38.719	1.952	1.03%	-4.64%
		2535.00	39.092	1.893	38.655	1.966	1.12%	-3.87%
		2560.00	39.060	1.920	38.601	1.971	1.18%	-2.66%
		2600.00	39.009	1.964	38.441	1.982	1.46%	-0.94%
	Sep, 25. 2020	2580.00	39.035	1.942	39.688	1.951	-1.67%	-0.47%
		2595.00	39.015	1.958	39.638	1.971	-1.60%	-0.65%
		2600.00	39.009	1.964	39.611	2.001	-1.54%	-1.90%
		2610.00	38.996	1.975	39.551	2.037	-1.42%	-3.16%
	Sep, 26. 2020	2506.00	39.129	1.861	40.152	1.803	-2.62%	3.12%
		2549.50	39.073	1.909	39.979	1.881	-2.32%	1.44%
		2593.00	39.018	1.956	39.839	1.889	-2.10%	3.43%
		2600.00	39.009	1.964	39.801	1.953	-2.03%	0.54%
		2636.50	38.963	2.003	39.605	1.968	-1.65%	1.77%
		2680.00	38.907	2.051	39.454	1.994	-1.41%	2.77%

Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	Sep, 27. 2020	704.00	42.181	0.890	43.777	0.868	-3.78%	2.45%
		707.50	42.162	0.890	43.608	0.875	-3.43%	1.69%
		709.00	42.155	0.890	43.575	0.877	-3.37%	1.48%
		710.00	42.149	0.890	43.532	0.880	-3.28%	1.15%
		711.00	42.144	0.890	43.473	0.882	-3.15%	0.94%
		750.00	41.942	0.893	43.131	0.897	-2.84%	-0.41%
		782.00	41.775	0.896	42.837	0.901	-2.54%	-0.57%
	Sep, 28. 2020	826.40	41.545	0.899	42.381	0.858	-2.01%	4.60%
		829.00	41.531	0.900	42.349	0.861	-1.97%	4.28%
		835.00	41.500	0.900	42.334	0.868	-2.01%	3.56%
		836.50	41.500	0.902	42.261	0.869	-1.83%	3.62%
		836.60	41.500	0.902	42.259	0.869	-1.83%	3.63%
		844.00	41.500	0.910	42.217	0.879	-1.73%	3.37%
		846.60	41.500	0.912	42.177	0.892	-1.63%	2.25%

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Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	Sep, 29. 2020	821.50	41.570	0.899	42.348	0.883	-1.87%	1.77%
		831.50	41.518	0.900	42.166	0.893	-1.56%	0.75%
		835.00	41.500	0.900	42.157	0.901	-1.58%	-0.11%
		841.50	41.500	0.907	42.048	0.904	-1.32%	0.33%
	Sep, 30. 2020	831.50	41.518	0.900	41.991	0.884	-1.14%	1.75%
		835.00	41.500	0.900	41.961	0.886	-1.11%	1.56%
		836.50	41.500	0.902	41.924	0.887	-1.02%	1.62%
		841.50	41.500	0.907	41.856	0.893	-0.86%	1.54%
	Oct, 01. 2020	1712.40	40.138	1.349	41.887	1.321	-4.36%	2.10%
		1720.00	40.126	1.354	41.815	1.331	-4.21%	1.68%
		1732.40	40.107	1.361	41.772	1.342	-4.15%	1.39%
		1732.50	40.107	1.361	41.766	1.345	-4.14%	1.17%
		1745.00	40.087	1.368	41.742	1.349	-4.13%	1.40%
		1750.00	40.079	1.371	41.709	1.357	-4.07%	1.02%
		1752.60	40.075	1.373	41.683	1.361	-4.01%	0.84%
		1770.00	40.047	1.383	41.631	1.381	-3.95%	0.12%
	Oct, 02. 2020	1852.40	40.000	1.400	41.371	1.447	-3.43%	-3.36%
		1860.00	40.000	1.400	41.365	1.459	-3.41%	-4.21%
		1880.00	40.000	1.400	41.351	1.465	-3.38%	-4.64%
		1882.50	40.000	1.400	41.268	1.468	-3.17%	-4.86%
		1900.00	40.000	1.400	41.211	1.455	-3.03%	-3.93%
		1905.00	40.000	1.400	41.202	1.457	-3.01%	-4.07%
		1907.60	40.000	1.400	41.188	1.461	-2.97%	-4.36%
	Oct, 03. 2020	2300.00	39.467	1.667	40.918	1.693	-3.68%	-1.58%
		2310.00	39.449	1.676	40.855	1.703	-3.56%	-1.64%
	Oct, 04. 2020	2510.00	39.124	1.865	38.879	1.939	0.63%	-3.94%
		2535.00	39.092	1.893	38.815	1.942	0.71%	-2.60%
		2560.00	39.060	1.920	38.761	1.956	0.77%	-1.88%
		2600.00	39.009	1.964	38.601	2.036	1.05%	-3.69%
	Oct, 05. 2020	2580.00	39.035	1.942	38.238	1.848	2.04%	4.83%
		2595.00	39.015	1.958	38.188	1.866	2.12%	4.71%
		2600.00	39.009	1.964	38.172	1.882	2.15%	4.16%
		2610.00	38.996	1.975	38.101	1.891	2.30%	4.23%
	Oct, 06. 2020	2506.00	39.129	1.861	39.176	1.792	-0.12%	3.71%
		2549.50	39.073	1.909	39.003	1.871	0.18%	1.97%
		2593.00	39.018	1.956	38.863	1.878	0.40%	3.99%
		2600.00	39.009	1.964	38.825	1.942	0.47%	1.10%
		2636.50	38.963	2.003	38.629	1.956	0.86%	2.37%
		2680.00	38.907	2.051	38.478	1.982	1.10%	3.36%

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The dielectric properties for this Head-simulant fluid were measured by using the SPEAG Dielectric Assessment Kit (DAKS-3.5)

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

The depth of the tissue simulant in the flat section of the phantom was ≥ 15 cm ± 5 mm (Frequency ≤3G) or ≥ 10 cm ± 5 mm (Frequency >3G) during all tests. (Fig. 2)

Report No.: EN/2021/40020

Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	May, 05. 2021	2402	39.285	1.757	39.844	1.699	1.42%	-3.32%
		2412	39.268	1.766	39.821	1.707	1.41%	-3.35%
		2437	39.223	1.788	39.755	1.727	1.36%	-3.44%
		2441	39.216	1.792	39.745	1.731	1.35%	-3.40%
		2450	39.200	1.800	39.731	1.738	1.35%	-3.44%
		2462	39.185	1.813	39.705	1.749	1.33%	-3.53%
		2480	39.162	1.833	39.677	1.767	1.32%	-3.59%
	May, 06. 2021	5190	35.997	4.645	37.081	4.606	3.01%	-0.83%
		5200	35.986	4.655	37.059	4.617	2.98%	-0.82%
		5210	35.974	4.665	37.032	4.628	2.94%	-0.80%
		5230	35.951	4.686	36.989	4.651	2.89%	-0.74%
	May, 07. 2021	5270	35.906	4.727	36.873	4.708	2.69%	-0.40%
		5290	35.883	4.747	36.811	4.744	2.59%	-0.07%
		5300	35.871	4.758	36.794	4.754	2.57%	-0.07%
		5310	35.860	4.768	36.724	4.764	2.41%	-0.08%
	May, 08. 2021	5530	35.609	4.993	36.224	5.021	1.73%	0.56%
		5600	35.529	5.065	36.063	5.106	1.50%	0.81%
		5610	35.517	5.075	36.047	5.122	1.49%	0.92%
		5690	35.426	5.157	35.912	5.214	1.37%	1.10%
	May, 09. 2021	5775	35.329	5.244	35.728	5.314	1.13%	1.33%
		5800	35.300	5.270	35.669	5.349	1.05%	1.50%

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Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	May, 10. 2021	2402	39.285	1.757	40.021	1.711	1.87%	-2.64%
		2412	39.268	1.766	39.991	1.721	1.84%	-2.56%
		2437	39.223	1.788	39.935	1.743	1.81%	-2.54%
		2441	39.216	1.792	39.927	1.747	1.81%	-2.51%
		2450	39.200	1.800	39.906	1.755	1.80%	-2.50%
		2462	39.185	1.813	39.882	1.765	1.78%	-2.65%
		2480	39.162	1.833	39.836	1.782	1.72%	-2.77%
	May, 11. 2021	5190	35.997	4.645	37.065	4.615	2.97%	-0.64%
		5200	35.986	4.655	37.037	4.626	2.92%	-0.62%
		5210	35.974	4.665	37.014	4.638	2.89%	-0.58%
		5230	35.951	4.686	36.955	4.668	2.79%	-0.38%
	May, 12. 2021	5270	35.906	4.727	36.847	4.728	2.62%	0.03%
		5290	35.883	4.747	36.766	4.754	2.46%	0.14%
		5300	35.871	4.758	36.749	4.765	2.45%	0.16%
		5310	35.860	4.768	36.721	4.775	2.40%	0.15%
	May, 13. 2021	5530	35.609	4.993	36.236	5.034	1.76%	0.82%
		5600	35.529	5.065	36.072	5.123	1.53%	1.15%
		5610	35.517	5.075	36.044	5.136	1.48%	1.20%
		5690	35.426	5.157	35.891	5.231	1.31%	1.43%
	May, 14. 2021	5775	35.329	5.244	35.744	5.336	1.18%	1.75%
		5800	35.300	5.270	35.713	5.368	1.17%	1.86%

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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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)
2300	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
2450	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
2600	Head	550ml	450ml	—	—	—	—	1.0L(Kg)

Body 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 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

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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 the 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 (~ 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 ±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 ±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 ±5% (RSS) when the same liquid is used for the calibration and for actual measurements and ±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.
2. The accuracy of the calculated field strength will depend on the assessment of the dielectric parameters of the liquid.

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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

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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 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

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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

Report No.: EN/2020/80008

HONG-BO

WCDMA Band II (Full power)

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	24.5	23.76	118.58%	0.227	0.269	-
	Top side	12	9538	1907.6	24.5	23.76	118.58%	0.176	0.209	-
	Bottom side	0	9538	1907.6	24.5	23.76	118.58%	0.012	0.014	-
	Right side	0	9538	1907.6	24.5	23.76	118.58%	0.120	0.142	-
	Left side	0	9538	1907.6	24.5	23.76	118.58%	0.009	0.010	-

WCDMA Band II (Reduced power)

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	Top side	0	9262	1852.4	21.0	20.97	100.69%	0.284	0.286	-
	Top side	0	9400	1880	21.0	20.99	100.23%	0.258	0.259	-
	Top side	0	9538	1907.6	21.0	21.00	100.00%	0.337	0.337	230

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WCDMA Band IV (Full power)

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	1513	1752.6	24.5	23.54	124.74%	0.504	0.629	-
	Top side	12	1513	1752.6	24.5	23.54	124.74%	0.556	0.694	-
	Bottom side	0	1513	1752.6	24.5	23.54	124.74%	0.015	0.018	-
	Right side	0	1513	1752.6	24.5	23.54	124.74%	0.142	0.177	-
	Left side	0	1513	1752.6	24.5	23.54	124.74%	0.012	0.015	-

WCDMA Band IV (Reduced power)

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	Top side	0	1312	1712.4	20.0	19.99	100.23%	0.803	0.805	231
	Top side*	0	1312	1712.4	20.0	19.99	100.23%	0.801	0.803	-
	Top side	0	1412	1732.4	20.0	19.92	101.86%	0.773	0.787	-
	Top side	0	1513	1752.6	20.0	19.96	100.93%	0.796	0.803	-

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

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WCDMA Band V (Full power)

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	24.5	23.96	113.24%	0.612	0.693	-
	Top side	12	4183	836.6	24.5	23.96	113.24%	0.487	0.551	-
	Bottom side	0	4183	836.6	24.5	23.96	113.24%	0.042	0.047	-
	Right side	0	4183	836.6	24.5	23.96	113.24%	0.175	0.198	-
	Left side	0	4183	836.6	24.5	23.96	113.24%	0.070	0.079	-

WCDMA Band V (Reduced power)

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	Top side	0	4132	826.4	21.0	20.96	100.93%	0.927	0.936	-
	Top side	0	4183	836.6	21.0	21.00	100.00%	0.996	0.996	232
	Top side*	0	4183	836.6	21.0	21.00	100.00%	0.992	0.992	-
	Top side	0	4233	846.6	21.0	20.97	100.69%	0.933	0.939	-

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

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LTE FDD Band 2 (Full power)

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	18900	1880	24.0	23.78	105.20%	0.262	0.276	-
					Top side	12	18900	1880	24.0	23.78	105.20%	0.277	0.291	-
					Bottom side	0	18900	1880	24.0	23.78	105.20%	0.014	0.015	-
					Right side	0	18900	1880	24.0	23.78	105.20%	0.118	0.124	-
					Left side	0	18900	1880	24.0	23.78	105.20%	0.009	0.009	-
			50 RB	0	Back side	0	18900	1880	23.0	22.77	105.44%	0.241	0.254	-
					Top side	12	18900	1880	23.0	22.77	105.44%	0.247	0.260	-
					Bottom side	0	18900	1880	23.0	22.77	105.44%	0.012	0.013	-
					Right side	0	18900	1880	23.0	22.77	105.44%	0.106	0.112	-
					Left side	0	18900	1880	23.0	22.77	105.44%	0.005	0.005	-
			100 RB		Back side	0	18900	1880	23.0	22.82	104.23%	0.229	0.239	-
					Top side	12	18900	1880	23.0	22.82	104.23%	0.237	0.247	-
					Bottom side	0	18900	1880	23.0	22.82	104.23%	0.011	0.011	-
					Right side	0	18900	1880	23.0	22.82	104.23%	0.103	0.107	-
					Left side	0	18900	1880	23.0	22.82	104.23%	0.002	0.002	-

LTE FDD Band 2 (Reduced power)

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	Top side	0	18700	1860	20.5	20.49	100.23%	0.568	0.569	233
					Top side	0	18900	1880	20.5	20.50	100.00%	0.472	0.472	-
					Top side	0	19100	1900	20.5	20.48	100.46%	0.406	0.408	-
			50 RB	0	Top side	0	18900	1880	20.5	20.28	105.20%	0.438	0.461	-
			100 RB		Top side	0	18900	1880	20.5	20.33	103.99%	0.452	0.470	-

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LTE FDD Band 5 (Full power)

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	0	Back side	0	20525	836.5	24.0	23.60	109.65%	0.451	0.495	-
					Top side	12	20525	836.5	24.0	23.60	109.65%	0.403	0.442	-
					Bottom side	0	20525	836.5	24.0	23.60	109.65%	0.045	0.049	-
					Right side	0	20525	836.5	24.0	23.60	109.65%	0.166	0.182	-
					Left side	0	20525	836.5	24.0	23.60	109.65%	0.073	0.079	-
			25 RB	25	Back side	0	20525	836.5	23.0	22.65	108.39%	0.382	0.414	-
					Top side	12	20525	836.5	23.0	22.65	108.39%	0.368	0.399	-
					Bottom side	0	20525	836.5	23.0	22.65	108.39%	0.032	0.034	-
					Right side	0	20525	836.5	23.0	22.65	108.39%	0.132	0.143	-
					Left side	0	20525	836.5	23.0	22.65	108.39%	0.056	0.061	-
			50 RB		Back side	0	20525	836.5	23.0	22.55	110.92%	0.396	0.439	-
					Top side	12	20525	836.5	23.0	22.55	110.92%	0.371	0.412	-
					Bottom side	0	20525	836.5	23.0	22.55	110.92%	0.034	0.037	-
					Right side	0	20525	836.5	23.0	22.55	110.92%	0.127	0.141	-
					Left side	0	20525	836.5	23.0	22.55	110.92%	0.055	0.060	-

LTE FDD Band 5 (Reduced power)

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	0	Top side	0	20450	829	21.0	20.80	104.71%	0.764	0.800	-
					Top side	0	20525	836.5	21.0	20.84	103.75%	0.806	0.836	-
					Top side	0	20600	844	21.0	20.78	105.20%	0.852	0.896	234
					Top side*	0	20600	844	21.0	20.78	105.20%	0.849	0.893	-
			25 RB	12	Top side	0	20450	829	21.0	20.42	114.29%	0.715	0.817	-
					Top side	0	20525	836.5	21.0	20.59	109.90%	0.768	0.844	-
					Top side	0	20600	844	21.0	20.57	110.41%	0.801	0.884	-
			50 RB		Top side	0	20450	829	21.0	20.41	114.55%	0.704	0.806	-
					Top side	0	20525	836.5	21.0	20.68	107.65%	0.782	0.842	-
					Top side	0	20600	844	21.0	20.62	109.14%	0.841	0.918	-

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

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LTE FDD Band 7 (Full power)

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	20850	2510	24.0	23.21	119.95%	0.362	0.434	-
					Top side	12	20850	2510	24.0	23.21	119.95%	0.369	0.443	-
					Bottom side	0	20850	2510	24.0	23.21	119.95%	0.005	0.007	-
					Right side	0	20850	2510	24.0	23.21	119.95%	0.113	0.136	-
					Left side	0	20850	2510	24.0	23.21	119.95%	0.009	0.011	-
			50 RB	0	Back side	0	20850	2510	23.0	21.79	132.13%	0.274	0.362	-
					Top side	12	20850	2510	23.0	21.79	132.13%	0.302	0.399	-
					Bottom side	0	20850	2510	23.0	21.79	132.13%	0.003	0.005	-
					Right side	0	20850	2510	23.0	21.79	132.13%	0.102	0.135	-
					Left side	0	20850	2510	23.0	21.79	132.13%	0.006	0.008	-
			100 RB		Back side	0	20850	2510	23.0	21.80	131.83%	0.265	0.349	-
					Top side	12	20850	2510	23.0	21.80	131.83%	0.308	0.406	-
					Bottom side	0	20850	2510	23.0	21.80	131.83%	0.002	0.003	-
					Right side	0	20850	2510	23.0	21.80	131.83%	0.101	0.133	-
					Left side	0	20850	2510	23.0	21.80	131.83%	0.006	0.008	-

LTE FDD Band 7 (Reduced power)

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	Top side	0	20850	2510	16.5	16.31	104.47%	0.418	0.437	-
					Top side	0	21100	2535	16.5	16.29	104.95%	0.419	0.440	-
					Top side	0	21350	2560	16.5	16.13	108.89%	0.447	0.487	235
			50 RB	50	Top side	0	20850	2510	16.5	16.02	111.69%	0.365	0.408	-
			100 RB		Top side	0	20850	2510	16.5	16.08	110.15%	0.378	0.416	-

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LTE FDD Band 12 (Full power)

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	Back side	0	23095	707.5	24.0	23.07	123.88%	0.265	0.328	-
					Top side	12	23095	707.5	24.0	23.07	123.88%	0.272	0.337	-
					Bottom side	0	23095	707.5	24.0	23.07	123.88%	0.038	0.046	-
					Right side	0	23095	707.5	24.0	23.07	123.88%	0.103	0.128	-
					Left side	0	23095	707.5	24.0	23.07	123.88%	0.044	0.055	-
			25 RB	25	Back side	0	23095	707.5	23.0	22.07	123.88%	0.179	0.222	-
					Top side	12	23095	707.5	23.0	22.07	123.88%	0.183	0.227	-
					Bottom side	0	23095	707.5	23.0	22.07	123.88%	0.031	0.038	-
					Right side	0	23095	707.5	23.0	22.07	123.88%	0.085	0.106	-
					Left side	0	23095	707.5	23.0	22.07	123.88%	0.035	0.043	-
			50 RB		Back side	0	23095	707.5	23.0	21.94	127.64%	0.176	0.225	-
					Top side	12	23095	707.5	23.0	21.94	127.64%	0.178	0.227	-
					Bottom side	0	23095	707.5	23.0	21.94	127.64%	0.031	0.039	-
					Right side	0	23095	707.5	23.0	21.94	127.64%	0.087	0.110	-
					Left side	0	23095	707.5	23.0	21.94	127.64%	0.034	0.044	-

LTE FDD Band 12 (Reduced power)

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	23060	704	22.5	21.72	119.67%	0.755	0.904	-
					Top side	0	23095	707.5	22.5	21.89	115.08%	0.800	0.921	236
					Top side*	0	23095	707.5	22.5	21.89	115.08%	0.782	0.900	-
					Top side	0	23130	711	22.5	21.79	117.76%	0.761	0.896	-
			25 RB	25	Top side	0	23060	704	22.5	21.33	130.92%	0.732	0.958	-
					Top side	0	23095	707.5	22.5	21.34	130.62%	0.736	0.961	-
					Top side	0	23130	711	22.5	21.29	132.13%	0.728	0.962	-
			50 RB		Top side	0	23060	704	22.5	21.21	134.59%	0.722	0.972	-
					Top side	0	23095	707.5	22.5	21.23	133.97%	0.724	0.970	-
					Top side	0	23130	711	22.5	21.14	136.77%	0.719	0.983	-

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

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LTE FDD Band 13 (Full power)

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	25	Back side	0	23230	782	24.5	23.54	124.74%	0.502	0.626	-
					Top side	12	23230	782	24.5	23.54	124.74%	0.512	0.639	-
					Bottom side	0	23230	782	24.5	23.54	124.74%	0.042	0.052	-
					Right side	0	23230	782	24.5	23.54	124.74%	0.117	0.146	-
					Left side	0	23230	782	24.5	23.54	124.74%	0.054	0.068	-
			25 RB	25	Back side	0	23230	782	23.5	22.54	124.74%	0.444	0.554	-
					Top side	12	23230	782	23.5	22.54	124.74%	0.450	0.561	-
					Bottom side	0	23230	782	23.5	22.54	124.74%	0.029	0.036	-
					Right side	0	23230	782	23.5	22.54	124.74%	0.105	0.131	-
					Left side	0	23230	782	23.5	22.54	124.74%	0.043	0.054	-
			50 RB		Back side	0	23230	782	23.5	22.69	120.50%	0.437	0.527	-
					Top side	12	23230	782	23.5	22.69	120.50%	0.443	0.534	-
					Bottom side	0	23230	782	23.5	22.69	120.50%	0.028	0.033	-
					Right side	0	23230	782	23.5	22.69	120.50%	0.102	0.123	-
					Left side	0	23230	782	23.5	22.69	120.50%	0.040	0.048	-

LTE FDD Band 13 (Reduced power)

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	Top side	0	23230	782	22.0	21.92	101.86%	1.060	1.080	-
				25	Top side	0	23230	782	22.0	21.85	103.51%	1.100	1.139	237
					Top side*	0	23230	782	22.0	21.85	103.51%	1.080	1.118	-
				49	Top side	0	23230	782	22.0	21.87	103.04%	1.080	1.113	-
			25 RB	0	Top side	0	23230	782	22.0	21.82	104.23%	1.020	1.063	-
				12	Top side	0	23230	782	22.0	21.75	105.93%	0.996	1.055	-
				25	Top side	0	23230	782	22.0	21.78	105.20%	0.998	1.050	-
			50 RB		Top side	0	23230	782	22.0	21.81	104.47%	1.010	1.055	-

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

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LTE FDD Band 26 (Full power)

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	24.0	23.14	121.90%	0.412	0.502	-
					Top side	12	26965	841.5	24.0	23.14	121.90%	0.450	0.549	-
					Bottom side	0	26965	841.5	24.0	23.14	121.90%	0.047	0.057	-
					Right side	0	26965	841.5	24.0	23.14	121.90%	0.154	0.188	-
					Left side	0	26965	841.5	24.0	23.14	121.90%	0.071	0.087	-
			36 RB	37	Back side	0	26965	841.5	23.0	22.23	119.40%	0.329	0.393	-
					Top side	12	26965	841.5	23.0	22.23	119.40%	0.337	0.402	-
					Bottom side	0	26965	841.5	23.0	22.23	119.40%	0.034	0.041	-
					Right side	0	26965	841.5	23.0	22.23	119.40%	0.138	0.165	-
					Left side	0	26965	841.5	23.0	22.23	119.40%	0.052	0.062	-
			75 RB		Back side	0	26965	841.5	23.0	22.39	115.08%	0.319	0.367	-
					Top side	12	26965	841.5	23.0	22.39	115.08%	0.322	0.371	-
					Bottom side	0	26965	841.5	23.0	22.39	115.08%	0.033	0.038	-
					Right side	0	26965	841.5	23.0	22.39	115.08%	0.127	0.146	-
					Left side	0	26965	841.5	23.0	22.39	115.08%	0.050	0.058	-

LTE FDD Band 26 (Reduced power)

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	Top side	0	26765	821.5	22.0	21.46	113.24%	0.930	1.053	-
					Top side	0	26865	831.5	22.0	21.52	111.69%	0.975	1.089	-
					Top side	0	26965	841.5	22.0	21.75	105.93%	1.120	1.186	238
					Top side*	0	26965	841.5	22.0	21.75	105.93%	1.100	1.165	-
			36 RB	37	Top side	0	26765	821.5	22.0	21.29	117.76%	0.908	1.069	-
					Top side	0	26865	831.5	22.0	21.35	116.14%	0.916	1.064	-
					Top side	0	26965	841.5	22.0	21.45	113.50%	0.921	1.045	-
			75 RB		Top side	0	26765	821.5	22.0	21.42	114.29%	0.922	1.054	-
					Top side	0	26865	831.5	22.0	21.43	114.02%	0.923	1.052	-
					Top side	0	26965	841.5	22.0	21.59	109.90%	0.937	1.030	-

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

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LTE FDD Band 30 (Full power)

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 30	10MHz	QPSK	1 RB	0	Back side	0	27710	2310	23.0	22.78	105.20%	0.211	0.222	-
					Top side	12	27710	2310	23.0	22.78	105.20%	0.223	0.235	-
					Bottom side	0	27710	2310	23.0	22.78	105.20%	0.009	0.009	-
					Right side	0	27710	2310	23.0	22.78	105.20%	0.110	0.116	-
					Left side	0	27710	2310	23.0	22.78	105.20%	0.005	0.005	-
			25 RB	0	Back side	0	27710	2310	22.0	21.67	107.89%	0.169	0.182	-
					Top side	12	27710	2310	22.0	21.67	107.89%	0.162	0.175	-
					Bottom side	0	27710	2310	22.0	21.67	107.89%	0.005	0.006	-
					Right side	0	27710	2310	22.0	21.67	107.89%	0.096	0.104	-
					Left side	0	27710	2310	22.0	21.67	107.89%	0.003	0.003	-
			50 RB		Back side	0	27710	2310	22.0	21.59	109.90%	0.164	0.180	-
					Top side	12	27710	2310	22.0	21.59	109.90%	0.158	0.174	-
					Bottom side	0	27710	2310	22.0	21.59	109.90%	0.004	0.005	-
					Right side	0	27710	2310	22.0	21.59	109.90%	0.095	0.105	-
					Left side	0	27710	2310	22.0	21.59	109.90%	0.002	0.003	-

LTE FDD Band 30 (Reduced power)

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 30	10MHz	QPSK	1 RB	0	Top side	0	27710	2310	19.0	18.59	109.90%	0.500	0.550	-
				25	Top side	0	27710	2310	19.0	18.67	107.89%	0.493	0.532	-
				49	Top side	0	27710	2310	19.0	18.86	103.28%	0.548	0.566	239
			25 RB	0	Top side	0	27710	2310	19.0	18.57	110.41%	0.496	0.548	-
			50 RB		Top side	0	27710	2310	19.0	18.39	115.08%	0.487	0.560	-

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LTE TDD Band 38 (Full power)

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 38	20MHz	QPSK	1 RB	0	Back side	0	38150	2610	24.0	22.95	127.35%	0.492	0.627	-
					Top side	12	38150	2610	24.0	22.95	127.35%	0.501	0.638	-
					Bottom side	0	38150	2610	24.0	22.95	127.35%	0.005	0.006	-
					Right side	0	38150	2610	24.0	22.95	127.35%	0.221	0.281	-
					Left side	0	38150	2610	24.0	22.95	127.35%	0.007	0.008	-
			50 RB	50	Back side	0	38150	2610	23.0	21.76	133.05%	0.398	0.530	-
					Top side	12	38150	2610	23.0	21.76	133.05%	0.412	0.548	-
					Bottom side	0	38150	2610	23.0	21.76	133.05%	0.002	0.003	-
					Right side	0	38150	2610	23.0	21.76	133.05%	0.179	0.238	-
					Left side	0	38150	2610	23.0	21.76	133.05%	0.005	0.007	-
			100 RB		Back side	0	38150	2610	23.0	21.71	134.59%	0.401	0.540	-
					Top side	12	38150	2610	23.0	21.71	134.59%	0.404	0.544	-
					Bottom side	0	38150	2610	23.0	21.71	134.59%	0.002	0.002	-
					Right side	0	38150	2610	23.0	21.71	134.59%	0.185	0.249	-
					Left side	0	38150	2610	23.0	21.71	134.59%	0.005	0.006	-

LTE TDD Band 38 (Reduced power)

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 38	20MHz	QPSK	1 RB	0	Top side	0	37850	2580	19.0	18.96	100.93%	0.406	0.410	-
					Top side	0	38000	2595	19.0	18.99	100.23%	0.440	0.441	-
					Top side	0	38150	2610	19.0	19.00	100.00%	0.685	0.685	240
			50 RB	50	Top side	0	38150	2610	19.0	18.87	103.04%	0.437	0.450	-
			100 RB		Top side	0	38150	2610	19.0	18.75	105.93%	0.421	0.446	-

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LTE TDD Band 41 (Full power)

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	Back side	0	41055	2636.5	24.0	22.78	132.43%	0.591	0.783	-
					Top side	12	39750	2506	24.0	22.61	137.72%	0.596	0.821	-
					Top side	12	40185	2549.5	24.0	22.55	139.64%	0.587	0.820	-
					Top side	12	40620	2593	24.0	22.69	135.21%	0.603	0.815	-
					Top side	12	41055	2636.5	24.0	22.78	132.43%	0.629	0.833	241
					Top side	12	41490	2680	24.0	22.73	133.97%	0.618	0.828	-
					Bottom side	0	41055	2636.5	24.0	22.78	132.43%	0.005	0.007	-
					Right side	0	41055	2636.5	24.0	22.78	132.43%	0.235	0.311	-
					Left side	0	41055	2636.5	24.0	22.78	132.43%	0.004	0.006	-
			50 RB	50	Back side	0	41055	2636.5	23.0	21.62	137.40%	0.511	0.702	-
					Top side	12	41055	2636.5	23.0	21.62	137.40%	0.524	0.720	-
					Bottom side	0	41055	2636.5	23.0	21.62	137.40%	0.002	0.003	-
					Right side	0	41055	2636.5	23.0	21.62	137.40%	0.195	0.268	-
					Left side	0	41055	2636.5	23.0	21.62	137.40%	0.003	0.004	-
			100 RB		Back side	0	41055	2636.5	23.0	21.59	138.36%	0.508	0.703	-
					Top side	12	41055	2636.5	23.0	21.59	138.36%	0.516	0.714	-
					Bottom side	0	41055	2636.5	23.0	21.59	138.36%	0.001	0.002	-
					Right side	0	41055	2636.5	23.0	21.59	138.36%	0.189	0.261	-
					Left side	0	41055	2636.5	23.0	21.59	138.36%	0.002	0.003	-

LTE TDD Band 41 (Reduced power)

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	41490	2680	18.0	18.00	100.00%	0.459	0.459	-
			50 RB	50	Top side	0	41490	2680	18.0	17.61	109.40%	0.227	0.248	-
			100 RB		Top side	0	41490	2680	18.0	17.56	110.66%	0.232	0.257	-

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LTE FDD Band 66 (Full power)

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	132572	1770	24.0	23.69	107.40%	0.472	0.507	-
					Top side	12	132572	1770	24.0	23.69	107.40%	0.509	0.547	-
					Bottom side	0	132572	1770	24.0	23.69	107.40%	0.013	0.014	-
					Right side	0	132572	1770	24.0	23.69	107.40%	0.137	0.147	-
					Left side	0	132572	1770	24.0	23.69	107.40%	0.011	0.012	-
			50 RB	0	Back side	0	132572	1770	23.0	22.59	109.90%	0.334	0.367	-
					Top side	12	132572	1770	23.0	22.59	109.90%	0.406	0.446	-
					Bottom side	0	132572	1770	23.0	22.59	109.90%	0.010	0.011	-
					Right side	0	132572	1770	23.0	22.59	109.90%	0.122	0.134	-
					Left side	0	132572	1770	23.0	22.59	109.90%	0.009	0.010	-
			100 RB		Back side	0	132572	1770	23.0	22.74	106.17%	0.416	0.442	-
					Top side	12	132572	1770	23.0	22.74	106.17%	0.418	0.444	-
					Bottom side	0	132572	1770	23.0	22.74	106.17%	0.009	0.010	-
					Right side	0	132572	1770	23.0	22.74	106.17%	0.114	0.121	-
					Left side	0	132572	1770	23.0	22.74	106.17%	0.008	0.008	-

LTE FDD Band 66 (Reduced power)

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	Top side	0	132072	1720	20.0	19.60	109.65%	0.692	0.759	-
					Top side	0	132322	1745	20.0	19.71	106.91%	0.690	0.738	-
					Top side	0	132572	1770	20.0	20.00	100.00%	0.763	0.763	242
			50 RB	0	Top side	0	132572	1770	20.0	19.69	107.40%	0.682	0.732	-
			100 RB		Top side	0	132572	1770	20.0	19.80	104.71%	0.706	0.739	-

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WNC

WCDMA Band II (Full power)

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	24.5	23.76	118.58%	0.337	0.400	-
	Top side	12	9538	1907.6	24.5	23.76	118.58%	0.316	0.375	-
	Bottom side	0	9538	1907.6	24.5	23.76	118.58%	0.023	0.028	-
	Right side	0	9538	1907.6	24.5	23.76	118.58%	0.125	0.148	-
	Left side	0	9538	1907.6	24.5	23.76	118.58%	0.021	0.025	-

WCDMA Band II (Reduced power)

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	Top side	0	9262	1852.4	21.0	20.97	100.69%	0.633	0.637	-
	Top side	0	9400	1880	21.0	20.99	100.23%	0.596	0.597	-
	Top side	0	9538	1907.6	21.0	21.00	100.00%	0.651	0.651	243

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WCDMA Band IV (Full power)

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	1513	1752.6	24.5	23.54	124.74%	0.515	0.642	-
	Top side	12	1513	1752.6	24.5	23.54	124.74%	0.460	0.574	-
	Bottom side	0	1513	1752.6	24.5	23.54	124.74%	0.021	0.026	-
	Right side	0	1513	1752.6	24.5	23.54	124.74%	0.132	0.165	-
	Left side	0	1513	1752.6	24.5	23.54	124.74%	0.019	0.024	-

WCDMA Band IV (Reduced power)

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	Top side	0	1312	1712.4	20.0	19.99	100.23%	0.942	0.944	244
	Top side*	0	1312	1712.4	20.0	19.99	100.23%	0.939	0.941	-
	Top side	0	1412	1732.4	20.0	19.92	101.86%	0.924	0.941	-
	Top side	0	1513	1752.6	20.0	19.96	100.93%	0.932	0.941	-

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

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WCDMA Band V (Full power)

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	24.5	23.96	113.24%	0.564	0.639	-
	Top side	12	4183	836.6	24.5	23.96	113.24%	0.525	0.595	-
	Bottom side	0	4183	836.6	24.5	23.96	113.24%	0.046	0.053	-
	Right side	0	4183	836.6	24.5	23.96	113.24%	0.116	0.131	-
	Left side	0	4183	836.6	24.5	23.96	113.24%	0.032	0.036	-

WCDMA Band V (Reduced power)

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	Top side	0	4132	826.4	21.0	20.96	100.93%	0.936	0.945	-
	Top side	0	4183	836.6	21.0	21.00	100.00%	0.948	0.948	245
	Top side*	0	4183	836.6	21.0	21.00	100.00%	0.942	0.942	-
	Top side	0	4233	846.6	21.0	20.97	100.69%	0.938	0.945	-

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

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LTE FDD Band 2 (Full power)

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	18900	1880	24.0	23.78	105.20%	0.348	0.366	-
					Top side	12	18900	1880	24.0	23.78	105.20%	0.342	0.360	-
					Bottom side	0	18900	1880	24.0	23.78	105.20%	0.021	0.022	-
					Right side	0	18900	1880	24.0	23.78	105.20%	0.132	0.139	-
					Left side	0	18900	1880	24.0	23.78	105.20%	0.024	0.026	-
			50 RB	0	Back side	0	18900	1880	23.0	22.77	105.44%	0.295	0.311	-
					Top side	12	18900	1880	23.0	22.77	105.44%	0.266	0.280	-
					Bottom side	0	18900	1880	23.0	22.77	105.44%	0.015	0.015	-
					Right side	0	18900	1880	23.0	22.77	105.44%	0.124	0.131	-
					Left side	0	18900	1880	23.0	22.77	105.44%	0.017	0.018	-
			100 RB		Back side	0	18900	1880	23.0	22.82	104.23%	0.302	0.315	-
					Top side	12	18900	1880	23.0	22.82	104.23%	0.270	0.281	-
					Bottom side	0	18900	1880	23.0	22.82	104.23%	0.014	0.015	-
					Right side	0	18900	1880	23.0	22.82	104.23%	0.122	0.127	-
					Left side	0	18900	1880	23.0	22.82	104.23%	0.016	0.017	-

LTE FDD Band 2 (Reduced power)

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	Top side	0	18700	1860	20.5	20.49	100.23%	0.751	0.753	246
					Top side	0	18900	1880	20.5	20.50	100.00%	0.662	0.662	-
					Top side	0	19100	1900	20.5	20.48	100.46%	0.586	0.589	-
			50 RB	0	Top side	0	18900	1880	20.5	20.28	105.20%	0.579	0.609	-
			100 RB		Top side	0	18900	1880	20.5	20.33	103.99%	0.561	0.583	-

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LTE FDD Band 5 (Full power)

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	0	Back side	0	20525	836.5	24.0	23.60	109.65%	0.536	0.588	-
					Top side	12	20525	836.5	24.0	23.60	109.65%	0.475	0.521	-
					Bottom side	0	20525	836.5	24.0	23.60	109.65%	0.047	0.052	-
					Right side	0	20525	836.5	24.0	23.60	109.65%	0.112	0.123	-
					Left side	0	20525	836.5	24.0	23.60	109.65%	0.033	0.036	-
			25 RB	25	Back side	0	20525	836.5	23.0	22.65	108.39%	0.465	0.504	-
					Top side	12	20525	836.5	23.0	22.65	108.39%	0.342	0.371	-
					Bottom side	0	20525	836.5	23.0	22.65	108.39%	0.033	0.035	-
					Right side	0	20525	836.5	23.0	22.65	108.39%	0.105	0.114	-
					Left side	0	20525	836.5	23.0	22.65	108.39%	0.026	0.028	-
			50 RB		Back side	0	20525	836.5	23.0	22.55	110.92%	0.447	0.496	-
					Top side	12	20525	836.5	23.0	22.55	110.92%	0.322	0.357	-
					Bottom side	0	20525	836.5	23.0	22.55	110.92%	0.032	0.036	-
					Right side	0	20525	836.5	23.0	22.55	110.92%	0.104	0.115	-
					Left side	0	20525	836.5	23.0	22.55	110.92%	0.026	0.028	-

LTE FDD Band 5 (Reduced power)

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	0	Top side	0	20450	829	21.0	20.80	104.71%	0.994	1.041	-
					Top side	0	20525	836.5	21.0	20.84	103.75%	0.787	0.817	-
					Top side	0	20600	844	21.0	20.78	105.20%	1.110	1.168	247
					Top side*	0	20600	844	21.0	20.78	105.20%	1.050	1.105	-
			25 RB	12	Top side	0	20450	829	21.0	20.42	114.29%	0.816	0.933	-
					Top side	0	20525	836.5	21.0	20.59	109.90%	0.842	0.925	-
					Top side	0	20600	844	21.0	20.57	110.41%	0.837	0.924	-
			50 RB		Top side	0	20450	829	21.0	20.41	114.55%	0.802	0.919	-
					Top side	0	20525	836.5	21.0	20.68	107.65%	0.826	0.889	-
					Top side	0	20600	844	21.0	20.62	109.14%	0.821	0.896	-

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

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LTE FDD Band 7 (Full power)

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	20850	2510	24.0	23.21	119.95%	0.154	0.185	-
					Top side	12	20850	2510	24.0	23.21	119.95%	0.147	0.176	-
					Bottom side	0	20850	2510	24.0	23.21	119.95%	0.009	0.010	-
					Right side	0	20850	2510	24.0	23.21	119.95%	0.042	0.050	-
					Left side	0	20850	2510	24.0	23.21	119.95%	0.006	0.007	-
			50 RB	0	Back side	0	20850	2510	23.0	21.79	132.13%	0.133	0.176	-
					Top side	12	20850	2510	23.0	21.79	132.13%	0.128	0.169	-
					Bottom side	0	20850	2510	23.0	21.79	132.13%	0.003	0.005	-
					Right side	0	20850	2510	23.0	21.79	132.13%	0.030	0.039	-
					Left side	0	20850	2510	23.0	21.79	132.13%	0.003	0.004	-
			100 RB		Back side	0	20850	2510	23.0	21.80	131.83%	0.137	0.181	-
					Top side	12	20850	2510	23.0	21.80	131.83%	0.130	0.171	-
					Bottom side	0	20850	2510	23.0	21.80	131.83%	0.004	0.006	-
					Right side	0	20850	2510	23.0	21.80	131.83%	0.028	0.036	-
					Left side	0	20850	2510	23.0	21.80	131.83%	0.002	0.003	-

LTE FDD Band 7 (Reduced power)

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	Top side	0	20850	2510	16.5	16.31	104.47%	0.496	0.518	-
					Top side	0	21100	2535	16.5	16.29	104.95%	0.652	0.684	-
					Top side	0	21350	2560	16.5	16.13	108.89%	0.824	0.897	248
					Top side*	0	21350	2560	16.5	16.13	108.89%	0.816	0.889	-
			50 RB	50	Top side	0	20850	2510	16.5	16.02	111.69%	0.481	0.537	-
			100 RB		Top side	0	20850	2510	16.5	16.08	110.15%	0.504	0.555	-

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

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LTE FDD Band 12 (Full power)

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	Back side	0	23095	707.5	24.0	23.07	123.88%	0.324	0.401	-
					Top side	12	23095	707.5	24.0	23.07	123.88%	0.302	0.374	-
					Bottom side	0	23095	707.5	24.0	23.07	123.88%	0.051	0.064	-
					Right side	0	23095	707.5	24.0	23.07	123.88%	0.075	0.093	-
					Left side	0	23095	707.5	24.0	23.07	123.88%	0.043	0.053	-
			25 RB	25	Back side	0	23095	707.5	23.0	22.07	123.88%	0.227	0.281	-
					Top side	12	23095	707.5	23.0	22.07	123.88%	0.202	0.250	-
					Bottom side	0	23095	707.5	23.0	22.07	123.88%	0.041	0.051	-
					Right side	0	23095	707.5	23.0	22.07	123.88%	0.064	0.080	-
					Left side	0	23095	707.5	23.0	22.07	123.88%	0.032	0.040	-
			50 RB		Back side	0	23095	707.5	23.0	21.94	127.64%	0.225	0.287	-
					Top side	12	23095	707.5	23.0	21.94	127.64%	0.198	0.253	-
					Bottom side	0	23095	707.5	23.0	21.94	127.64%	0.040	0.051	-
					Right side	0	23095	707.5	23.0	21.94	127.64%	0.063	0.081	-
					Left side	0	23095	707.5	23.0	21.94	127.64%	0.029	0.036	-

LTE FDD Band 12 (Reduced power)

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	23060	704	22.5	21.72	119.67%	0.787	0.942	249
					Top side	0	23095	707.5	22.5	21.89	115.08%	0.769	0.885	-
					Top side	0	23130	711	22.5	21.79	117.76%	0.766	0.902	-
			25 RB	25	Top side	0	23060	704	22.5	21.33	130.92%	0.705	0.923	-
					Top side	0	23095	707.5	22.5	21.34	130.62%	0.711	0.929	-
					Top side	0	23130	711	22.5	21.29	132.13%	0.698	0.922	-
			50 RB		Top side	0	23060	704	22.5	21.21	134.59%	0.686	0.923	-
					Top side	0	23095	707.5	22.5	21.23	133.97%	0.692	0.927	-
					Top side	0	23130	711	22.5	21.14	136.77%	0.673	0.920	-

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LTE FDD Band 13 (Full power)

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	25	Back side	0	23230	782	24.5	23.54	124.74%	0.551	0.687	-
					Top side	12	23230	782	24.5	23.54	124.74%	0.527	0.657	-
					Bottom side	0	23230	782	24.5	23.54	124.74%	0.045	0.056	-
					Right side	0	23230	782	24.5	23.54	124.74%	0.087	0.108	-
					Left side	0	23230	782	24.5	23.54	124.74%	0.060	0.075	-
			25 RB	25	Back side	0	23230	782	23.5	22.54	124.74%	0.414	0.516	-
					Top side	12	23230	782	23.5	22.54	124.74%	0.367	0.458	-
					Bottom side	0	23230	782	23.5	22.54	124.74%	0.038	0.047	-
					Right side	0	23230	782	23.5	22.54	124.74%	0.067	0.084	-
					Left side	0	23230	782	23.5	22.54	124.74%	0.052	0.065	-
			50 RB		Back side	0	23230	782	23.5	22.69	120.50%	0.417	0.502	-
					Top side	12	23230	782	23.5	22.69	120.50%	0.364	0.439	-
					Bottom side	0	23230	782	23.5	22.69	120.50%	0.037	0.044	-
					Right side	0	23230	782	23.5	22.69	120.50%	0.063	0.076	-
					Left side	0	23230	782	23.5	22.69	120.50%	0.048	0.057	-

LTE FDD Band 13 (Reduced power)

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	Top side	0	23230	782	22.0	21.92	101.86%	1.050	1.070	-
				25	Top side	0	23230	782	22.0	21.85	103.51%	1.070	1.108	250
					Top side*	0	23230	782	22.0	21.85	103.51%	1.050	1.087	-
				49	Top side	0	23230	782	22.0	21.87	103.04%	1.050	1.082	-
			25 RB	0	Top side	0	23230	782	22.0	21.82	104.23%	1.050	1.094	-
				12	Top side	0	23230	782	22.0	21.75	105.93%	0.998	1.057	-
				25	Top side	0	23230	782	22.0	21.78	105.20%	0.993	1.045	-
			50 RB		Top side	0	23230	782	22.0	21.81	104.47%	1.010	1.055	-

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

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LTE FDD Band 26 (Full power)

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	24.0	23.14	121.90%	0.474	0.578	-
					Top side	12	26965	841.5	24.0	23.14	121.90%	0.443	0.540	-
					Bottom side	0	26965	841.5	24.0	23.14	121.90%	0.062	0.075	-
					Right side	0	26965	841.5	24.0	23.14	121.90%	0.122	0.149	-
					Left side	0	26965	841.5	24.0	23.14	121.90%	0.066	0.080	-
			36 RB	37	Back side	0	26965	841.5	23.0	22.23	119.40%	0.355	0.424	-
					Top side	12	26965	841.5	23.0	22.23	119.40%	0.310	0.370	-
					Bottom side	0	26965	841.5	23.0	22.23	119.40%	0.046	0.054	-
					Right side	0	26965	841.5	23.0	22.23	119.40%	0.110	0.131	-
					Left side	0	26965	841.5	23.0	22.23	119.40%	0.051	0.061	-
			75 RB		Back side	0	26965	841.5	23.0	22.39	115.08%	0.367	0.422	-
					Top side	12	26965	841.5	23.0	22.39	115.08%	0.298	0.343	-
					Bottom side	0	26965	841.5	23.0	22.39	115.08%	0.042	0.048	-
					Right side	0	26965	841.5	23.0	22.39	115.08%	0.105	0.121	-
					Left side	0	26965	841.5	23.0	22.39	115.08%	0.050	0.057	-

LTE FDD Band 26 (Reduced power)

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	Top side	0	26765	821.5	22.0	21.46	113.24%	0.983	1.113	-
					Top side	0	26865	831.5	22.0	21.52	111.69%	1.030	1.150	251
					Top side*	0	26865	831.5	22.0	21.52	111.69%	1.010	1.128	-
					Top side	0	26965	841.5	22.0	21.75	105.93%	1.020	1.080	-
			36 RB	37	Top side	0	26765	821.5	22.0	21.29	117.76%	0.969	1.141	-
					Top side	0	26865	831.5	22.0	21.35	116.14%	0.965	1.121	-
					Top side	0	26965	841.5	22.0	21.45	113.50%	0.962	1.092	-
			75 RB		Top side	0	26765	821.5	22.0	21.42	114.29%	0.972	1.111	-
					Top side	0	26865	831.5	22.0	21.43	114.02%	0.963	1.098	-
					Top side	0	26965	841.5	22.0	21.59	109.90%	0.955	1.050	-

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

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LTE FDD Band 30 (Full power)

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 30	10MHz	QPSK	1 RB	0	Back side	0	27710	2310	23.0	22.78	105.20%	0.154	0.162	252
					Top side	12	27710	2310	23.0	22.78	105.20%	0.146	0.154	-
					Bottom side	0	27710	2310	23.0	22.78	105.20%	0.008	0.009	-
					Right side	0	27710	2310	23.0	22.78	105.20%	0.055	0.058	-
					Left side	0	27710	2310	23.0	22.78	105.20%	0.012	0.013	-
				25	Back side	0	27710	2310	23.0	22.70	107.15%	0.147	0.158	-
				49	Back side	0	27710	2310	23.0	22.57	110.41%	0.145	0.160	-
			25 RB	0	Back side	0	27710	2310	22.0	21.67	107.89%	0.122	0.132	-
					Top side	12	27710	2310	22.0	21.67	107.89%	0.106	0.114	-
					Bottom side	0	27710	2310	22.0	21.67	107.89%	0.006	0.006	-
					Right side	0	27710	2310	22.0	21.67	107.89%	0.041	0.044	-
					Left side	0	27710	2310	22.0	21.67	107.89%	0.006	0.006	-
			50 RB		Back side	0	27710	2310	22.0	21.59	109.90%	0.108	0.119	-
					Top side	12	27710	2310	22.0	21.59	109.90%	0.110	0.121	-
					Bottom side	0	27710	2310	22.0	21.59	109.90%	0.004	0.005	-
					Right side	0	27710	2310	22.0	21.59	109.90%	0.039	0.042	-
					Left side	0	27710	2310	22.0	21.59	109.90%	0.008	0.008	-

LTE FDD Band 30 (Reduced power)

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 30	10MHz	QPSK	1 RB	49	Top side	0	27710	2310	19.0	18.86	103.28%	0.117	0.121	-
			25 RB	0	Top side	0	27710	2310	19.0	18.57	110.41%	0.105	0.116	-
			50 RB		Top side	0	27710	2310	19.0	18.39	115.08%	0.092	0.106	-

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LTE TDD Band 38 (Full power)

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 38	20MHz	QPSK	1 RB	0	Back side	0	38150	2610	24.0	22.95	127.35%	0.155	0.197	-
					Top side	12	38150	2610	24.0	22.95	127.35%	0.147	0.187	-
					Bottom side	0	38150	2610	24.0	22.95	127.35%	0.006	0.008	-
					Right side	0	38150	2610	24.0	22.95	127.35%	0.050	0.064	-
					Left side	0	38150	2610	24.0	22.95	127.35%	0.008	0.010	-
			50 RB	50	Back side	0	38150	2610	23.0	21.76	133.05%	0.126	0.168	-
					Top side	12	38150	2610	23.0	21.76	133.05%	0.118	0.157	-
					Bottom side	0	38150	2610	23.0	21.76	133.05%	0.004	0.005	-
					Right side	0	38150	2610	23.0	21.76	133.05%	0.037	0.049	-
					Left side	0	38150	2610	23.0	21.76	133.05%	0.006	0.008	-
			100 RB		Back side	0	38150	2610	23.0	21.71	134.59%	0.132	0.178	-
					Top side	12	38150	2610	23.0	21.71	134.59%	0.120	0.162	-
					Bottom side	0	38150	2610	23.0	21.71	134.59%	0.003	0.004	-
					Right side	0	38150	2610	23.0	21.71	134.59%	0.036	0.048	-
					Left side	0	38150	2610	23.0	21.71	134.59%	0.005	0.007	-

LTE TDD Band 38 (Reduced power)

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 38	20MHz	QPSK	1 RB	0	Top side	0	37850	2580	19.0	18.96	100.93%	0.151	0.152	-
					Top side	0	38000	2595	19.0	18.99	100.23%	0.241	0.242	-
					Top side	0	38150	2610	19.0	19.00	100.00%	0.639	0.639	253
			50 RB	50	Top side	0	38150	2610	19.0	18.87	103.04%	0.237	0.244	-
			100 RB		Top side	0	38150	2610	19.0	18.75	105.93%	0.218	0.231	-

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LTE TDD Band 41 (Full power)

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	Back side	0	41055	2636.5	24.0	22.78	132.43%	0.187	0.248	-
					Top side	12	41055	2636.5	24.0	22.78	132.43%	0.165	0.219	-
					Bottom side	0	41055	2636.5	24.0	22.78	132.43%	0.008	0.011	-
					Right side	0	41055	2636.5	24.0	22.78	132.43%	0.032	0.043	-
					Left side	0	41055	2636.5	24.0	22.78	132.43%	0.003	0.004	-
			50 RB	50	Back side	0	41055	2636.5	23.0	21.62	137.40%	0.143	0.196	-
					Top side	12	41055	2636.5	23.0	21.62	137.40%	0.137	0.188	-
					Bottom side	0	41055	2636.5	23.0	21.62	137.40%	0.005	0.006	-
					Right side	0	41055	2636.5	23.0	21.62	137.40%	0.025	0.034	-
					Left side	0	41055	2636.5	23.0	21.62	137.40%	0.002	0.003	-
			100 RB		Back side	0	41055	2636.5	23.0	21.59	138.36%	0.137	0.190	-
					Top side	12	41055	2636.5	23.0	21.59	138.36%	0.132	0.183	-
					Bottom side	0	41055	2636.5	23.0	21.59	138.36%	0.004	0.006	-
					Right side	0	41055	2636.5	23.0	21.59	138.36%	0.023	0.032	-
					Left side	0	41055	2636.5	23.0	21.59	138.36%	0.002	0.003	-

LTE TDD Band 41 (Reduced power)

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	18.0	17.85	103.51%	0.175	0.181	-
					Top side	0	40185	2549.5	18.0	17.97	100.69%	0.312	0.314	-
					Top side	0	40620	2593	18.0	17.80	104.71%	0.389	0.407	-
					Top side	0	41055	2636.5	18.0	17.97	100.69%	0.732	0.737	254
					Top side	0	41490	2680	18.0	18.00	100.00%	0.690	0.690	-
			50 RB	50	Top side	0	41490	2680	18.0	17.61	109.40%	0.357	0.391	-
			100 RB		Top side	0	41490	2680	18.0	17.56	110.66%	0.249	0.276	-

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LTE FDD Band 66 (Full power)

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	132572	1770	24.0	23.69	107.40%	0.492	0.528	-
					Top side	12	132572	1770	24.0	23.69	107.40%	0.474	0.509	-
					Bottom side	0	132572	1770	24.0	23.69	107.40%	0.022	0.024	-
					Right side	0	132572	1770	24.0	23.69	107.40%	0.142	0.153	-
					Left side	0	132572	1770	24.0	23.69	107.40%	0.017	0.018	-
			50 RB	0	Back side	0	132572	1770	23.0	22.59	109.90%	0.398	0.437	-
					Top side	12	132572	1770	23.0	22.59	109.90%	0.420	0.462	-
					Bottom side	0	132572	1770	23.0	22.59	109.90%	0.017	0.018	-
					Right side	0	132572	1770	23.0	22.59	109.90%	0.125	0.137	-
					Left side	0	132572	1770	23.0	22.59	109.90%	0.013	0.015	-
			100 RB		Back side	0	132572	1770	23.0	22.74	106.17%	0.402	0.427	-
					Top side	12	132572	1770	23.0	22.74	106.17%	0.377	0.400	-
					Bottom side	0	132572	1770	23.0	22.74	106.17%	0.016	0.016	-
					Right side	0	132572	1770	23.0	22.74	106.17%	0.117	0.124	-
					Left side	0	132572	1770	23.0	22.74	106.17%	0.011	0.012	-

LTE FDD Band 66 (Reduced power)

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	Top side	0	132072	1720	20.0	19.60	109.65%	0.920	1.009	255
					Top side*	0	132072	1720	20.0	19.60	109.65%	0.913	1.001	-
					Top side	0	132322	1745	20.0	19.71	106.91%	0.927	0.991	-
					Top side	0	132572	1770	20.0	20.00	100.00%	0.895	0.895	-
			50 RB	0	Top side	0	132072	1720	20.0	19.66	108.14%	0.868	0.939	-
					Top side	0	132322	1745	20.0	19.64	108.64%	0.910	0.989	-
					Top side	0	132572	1770	20.0	19.69	107.40%	0.922	0.990	-
			100 RB		Top side	0	132072	1720	20.0	19.70	107.15%	0.871	0.933	-
					Top side	0	132322	1745	20.0	19.76	105.68%	0.894	0.945	-
					Top side	0	132572	1770	20.0	19.80	104.71%	0.889	0.931	-

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

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Report No.: EN/2021/40020

HONG-BO (RTL8822CE)

Tablet mode

WLAN Main Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Main	WLAN 802.11b	Back Surface	0	6	2437	18	17.99	1.018	100.23%	0.117	0.119	-
		Top Edge	0	1	2412	18	17.96	1.018	100.93%	0.306	0.314	-
		Top Edge	0	6	2437	18	17.99	1.018	100.23%	0.371	0.379	256
		Top Edge	0	11	2462	18	17.97	1.018	100.69%	0.343	0.352	-
		Bottom Edge	0	6	2437	18	17.99	1.018	100.23%	0.004	0.004	-
		Left Edge	0	6	2437	18	17.99	1.018	100.23%	0.355	0.362	-
	WLAN 802.11n(40M) 5.2G	Back Surface	0	38	5190	16.5	16.49	1.040	100.23%	0.029	0.031	-
		Top Edge	0	38	5190	16.5	16.49	1.040	100.23%	0.134	0.140	-
		Bottom Edge	0	38	5190	16.5	16.49	1.040	100.23%	0.003	0.003	-
		Left Edge	0	38	5190	16.5	16.49	1.040	100.23%	0.161	0.168	257
	WLAN 802.11n(40M) 5.3G	Back Surface	0	54	5270	16.5	16.48	1.040	100.46%	0.067	0.070	-
		Top Edge	0	54	5270	16.5	16.48	1.040	100.46%	0.234	0.244	-
		Bottom Edge	0	54	5270	16.5	16.48	1.040	100.46%	0.006	0.006	-
		Left Edge	0	54	5270	16.5	16.48	1.040	100.46%	0.256	0.267	258
	WLAN 802.11ac(80M) 5.6G	Back Surface	0	138	5690	16.5	16.50	1.073	100.00%	0.071	0.076	-
		Top Edge	0	106	5530	14.04	14.00	1.073	100.93%	0.113	0.122	-
		Top Edge	0	122	5610	16.5	16.49	1.073	100.23%	0.225	0.242	-
		Top Edge	0	138	5690	16.5	16.50	1.073	100.00%	0.255	0.274	259
		Bottom Edge	0	138	5690	16.5	16.50	1.073	100.00%	0.009	0.010	-
		Left Edge	0	138	5690	16.5	16.50	1.073	100.00%	0.223	0.239	-
	WLAN 802.11ac(80M) 5.8G	Back Surface	0	155	5775	16.5	16.50	1.073	100.00%	0.079	0.084	-
		Top Edge	0	155	5775	16.5	16.50	1.073	100.00%	0.247	0.265	260
		Bottom Edge	0	155	5775	16.5	16.50	1.073	100.00%	0.008	0.009	-
		Left Edge	0	155	5775	16.5	16.50	1.073	100.00%	0.217	0.233	-

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WLAN Aux Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Aux	WLAN 802.11b	Back Surface	0	1	2412	18	17.99	1.011	100.23%	0.648	0.657	261
		Back Surface	0	6	2437	18	17.96	1.011	100.93%	0.626	0.639	-
		Back Surface	0	11	2462	18	17.93	1.011	101.62%	0.613	0.630	-
		Top Edge	0	1	2412	18	17.99	1.011	100.23%	0.004	0.004	-
		Bottom Edge	0	1	2412	18	17.99	1.011	100.23%	0.003	0.003	-
		Right Edge	0	1	2412	18	17.99	1.011	100.23%	0.179	0.181	-
	Bluetooth (GFSK)	Back Surface	0	0	2402	6	4.32	1.427	147.23%	0.010	0.022	262
		Top Edge	0	0	2402	6	4.32	1.427	147.23%	0.001	0.002	-
		Bottom Edge	0	0	2402	6	4.32	1.427	147.23%	0.001	0.002	-
		Right Edge	0	0	2402	6	4.32	1.427	147.23%	0.002	0.004	-
	WLAN 802.11ac(80M) 5.2G	Back Surface	0	42	5210	11.5	11.48	1.087	100.46%	0.135	0.147	263
		Top Edge	0	42	5210	11.5	11.48	1.087	100.46%	0.006	0.007	-
		Bottom Edge	0	42	5210	11.5	11.48	1.087	100.46%	0.002	0.002	-
		Right Edge	0	42	5210	11.5	11.48	1.087	100.46%	0.069	0.075	-
	WLAN 802.11ac(80M) 5.3G	Back Surface	0	58	5290	11.5	11.43	1.087	101.62%	0.084	0.093	264
		Top Edge	0	58	5290	11.5	11.43	1.087	101.62%	0.005	0.005	-
		Bottom Edge	0	58	5290	11.5	11.43	1.087	101.62%	0.003	0.003	-
		Right Edge	0	58	5290	11.5	11.43	1.087	101.62%	0.047	0.052	-
	WLAN 802.11ac(80M) 5.6G	Back Surface	0	138	5690	11.5	11.50	1.087	100.00%	0.127	0.138	265
		Top Edge	0	138	5690	11.5	11.50	1.087	100.00%	0.009	0.010	-
		Bottom Edge	0	138	5690	11.5	11.50	1.087	100.00%	0.003	0.003	-
		Right Edge	0	138	5690	11.5	11.50	1.087	100.00%	0.091	0.099	-
	WLAN 802.11ac(80M) 5.8G	Back Surface	0	155	5775	11.5	11.47	1.087	100.69%	0.088	0.096	266
		Top Edge	0	155	5775	11.5	11.47	1.087	100.69%	0.001	0.001	-
		Bottom Edge	0	155	5775	11.5	11.47	1.087	100.69%	0.001	0.001	-
		Right Edge	0	155	5775	11.5	11.47	1.087	100.69%	0.066	0.072	-

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Notebook mode

WLAN Aux Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Aux	WLAN 802.11b	Bottom Surface	0	1	2412	18	17.99	1.011	100.23%	0.396	0.401	-
		Bottom Surface	0	6	2437	18	17.96	1.011	100.93%	0.440	0.449	267
		Bottom Surface	0	11	2462	18	17.93	1.011	101.62%	0.411	0.422	-
	Bluetooth(GFSK)	Bottom Surface	0	0	2402	6	4.32	1.427	147.23%	0.039	0.082	268
	WLAN 802.11ac(80M) 5.2G	Bottom Surface	0	42	5210	11.5	11.48	1.087	100.46%	0.087	0.094	269
	WLAN 802.11ac(80M) 5.3G	Bottom Surface	0	58	5290	11.5	11.43	1.087	101.62%	0.060	0.066	270
	WLAN 802.11ac(80M) 5.6G	Bottom Surface	0	106	5530	11.5	11.45	1.087	101.16%	0.094	0.103	-
		Bottom Surface	0	122	5610	11.5	11.42	1.087	101.86%	0.198	0.219	-
		Bottom Surface	0	138	5690	11.5	11.50	1.087	100.00%	0.304	0.330	271
	WLAN 802.11ac(80M) 5.8G	Bottom Surface	0	155	5775	11.5	11.47	1.087	100.69%	0.200	0.219	272

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WNC (RTL8822CE)

Tablet mode

WLAN Main Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Main	WLAN 802.11b	Back Surface	0	6	2437	18	17.99	1.018	100.23%	0.105	0.107	-
		Top Edge	0	6	2437	18	17.99	1.018	100.23%	0.338	0.345	-
		Bottom Edge	0	6	2437	18	17.99	1.018	100.23%	0.004	0.004	-
		Left Edge	0	1	2412	18	17.96	1.018	100.93%	0.820	0.843	-
		Left Edge	0	6	2437	18	17.99	1.018	100.23%	0.849	0.867	273
		Left Edge	0	11	2462	18	17.97	1.018	100.69%	0.817	0.838	-
		Left Edge*	0	6	2437	18	17.99	1.018	100.23%	0.845	0.862	-
	WLAN 802.11n(40M) 5.2G	Back Surface	0	38	5190	16.5	16.49	1.040	100.23%	0.039	0.040	-
		Top Edge	0	38	5190	16.5	16.49	1.040	100.23%	0.154	0.160	-
		Bottom Edge	0	38	5190	16.5	16.49	1.040	100.23%	0.002	0.002	-
		Left Edge	0	38	5190	16.5	16.49	1.040	100.23%	0.167	0.174	274
	WLAN 802.11n(40M) 5.3G	Back Surface	0	54	5270	16.5	16.48	1.040	100.46%	0.069	0.072	-
		Top Edge	0	54	5270	16.5	16.48	1.040	100.46%	0.085	0.088	-
		Bottom Edge	0	54	5270	16.5	16.48	1.040	100.46%	0.001	0.001	-
		Left Edge	0	54	5270	16.5	16.48	1.040	100.46%	0.298	0.311	275
	WLAN 802.11ac(80M) 5.6G	Back Surface	0	138	5690	16.5	16.50	1.073	100.00%	0.091	0.098	-
		Top Edge	0	106	5530	14.04	14.00	1.073	100.93%	0.202	0.219	-
		Top Edge	0	122	5610	16.5	16.49	1.073	100.23%	0.313	0.337	-
		Top Edge	0	138	5690	16.5	16.50	1.073	100.00%	0.327	0.351	276
		Bottom Edge	0	138	5690	16.5	16.50	1.073	100.00%	0.008	0.009	-
		Left Edge	0	138	5690	16.5	16.50	1.073	100.00%	0.325	0.349	-
	WLAN 802.11ac(80M) 5.8G	Back Surface	0	155	5775	16.5	16.50	1.073	100.00%	0.098	0.105	-
		Top Edge	0	155	5775	16.5	16.50	1.073	100.00%	0.317	0.340	277
		Bottom Edge	0	155	5775	16.5	16.50	1.073	100.00%	0.006	0.006	-
		Left Edge	0	155	5775	16.5	16.50	1.073	100.00%	0.308	0.330	-

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

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WLAN Aux Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Aux	WLAN 802.11b	Back Surface	0	1	2412	18	17.99	1.011	100.23%	0.781	0.792	278
		Back Surface	0	6	2437	18	17.96	1.011	100.93%	0.755	0.770	-
		Back Surface	0	11	2462	18	17.93	1.011	101.62%	0.738	0.758	-
		Top Edge	0	1	2412	18	17.99	1.011	100.23%	0.006	0.006	-
		Bottom Edge	0	1	2412	18	17.99	1.011	100.23%	0.002	0.002	-
		Right Edge	0	1	2412	18	17.99	1.011	100.23%	0.003	0.003	-
	Bluetooth (GFSK)	Back Surface	0	0	2402	6	4.32	1.427	147.23%	0.038	0.080	279
		Top Edge	0	0	2402	6	4.32	1.427	147.23%	0.002	0.004	-
		Bottom Edge	0	0	2402	6	4.32	1.427	147.23%	0.001	0.002	-
		Right Edge	0	0	2402	6	4.32	1.427	147.23%	0.014	0.030	-
	WLAN 802.11ac(80M) 5.2G	Back Surface	0	42	5210	11.5	11.48	1.087	100.46%	0.355	0.388	280
		Top Edge	0	42	5210	11.5	11.48	1.087	100.46%	0.010	0.011	-
		Bottom Edge	0	42	5210	11.5	11.48	1.087	100.46%	0.002	0.002	-
		Right Edge	0	42	5210	11.5	11.48	1.087	100.46%	0.186	0.203	-
	WLAN 802.11ac(80M) 5.3G	Back Surface	0	58	5290	11.5	11.43	1.087	101.62%	0.201	0.222	281
		Top Edge	0	58	5290	11.5	11.43	1.087	101.62%	0.009	0.010	-
		Bottom Edge	0	58	5290	11.5	11.43	1.087	101.62%	0.003	0.003	-
		Right Edge	0	58	5290	11.5	11.43	1.087	101.62%	0.108	0.119	-
	WLAN 802.11ac(80M) 5.6G	Back Surface	0	138	5690	11.5	11.50	1.087	100.00%	0.351	0.382	282
		Top Edge	0	138	5690	11.5	11.50	1.087	100.00%	0.022	0.024	-
		Bottom Edge	0	138	5690	11.5	11.50	1.087	100.00%	0.004	0.004	-
		Right Edge	0	138	5690	11.5	11.50	1.087	100.00%	0.190	0.207	-
	WLAN 802.11ac(80M) 5.8G	Back Surface	0	155	5775	11.5	11.47	1.087	100.69%	0.142	0.155	283
		Top Edge	0	155	5775	11.5	11.47	1.087	100.69%	0.010	0.011	-
		Bottom Edge	0	155	5775	11.5	11.47	1.087	100.69%	0.002	0.002	-
		Right Edge	0	155	5775	11.5	11.47	1.087	100.69%	0.080	0.087	-

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Notebook mode

WLAN Aux Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Aux	WLAN 802.11b	Bottom Surface	0	1	2412	18	17.99	1.011	100.23%	0.657	0.666	-
		Bottom Surface	0	6	2437	18	17.96	1.011	100.93%	0.676	0.690	284
		Bottom Surface	0	11	2462	18	17.93	1.011	101.62%	0.632	0.649	-
	Bluetooth(GFSK)	Bottom Surface	0	0	2402	6	4.32	1.427	147.23%	0.008	0.016	285
	WLAN 802.11ac(80M) 5.2G	Bottom Surface	0	42	5210	11.5	11.48	1.087	100.46%	0.207	0.226	286
	WLAN 802.11ac(80M) 5.3G	Bottom Surface	0	58	5290	11.5	11.43	1.087	101.62%	0.105	0.116	287
	WLAN 802.11ac(80M) 5.6G	Bottom Surface	0	106	5530	11.5	11.45	1.087	101.16%	0.121	0.133	-
		Bottom Surface	0	122	5610	11.5	11.42	1.087	101.86%	0.284	0.314	-
		Bottom Surface	0	138	5690	11.5	11.50	1.087	100.00%	0.447	0.486	288
	WLAN 802.11ac(80M) 5.8G	Bottom Surface	0	155	5775	11.5	11.47	1.087	100.69%	0.216	0.236	289

Note:

Scaling = $\frac{\text{reported SAR}}{\text{measured SAR}} = \frac{P2(mW)}{P1(mW)} = 10^{\left(\frac{P_2-P_1}{10}\right)(dBm)}$

Reported SAR = measured SAR * (scaling)

Where P2 is maximum specified power, P1 is measured conducted power

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 for RTL8822CE	Body
1	WWAN + 2.4GHz WLAN MIMO	YES
2	WWAN + 5GHz WLAN MIMO	YES
3	WWAN + 2.4GHz WLAN Main + BT Aux	YES
4	WWAN + 5GHz WLAN Main + BT Aux	YES

NO.	Simultaneous Transmit Configurations for AX210NGW	Body
1	WWAN + 2.4GHz WLAN MIMO	YES
2	WWAN + 5GHz WLAN MIMO	YES
3	WWAN + 6E WLAN MIMO	YES
4	WWAN + 2.4GHz WLAN Main + BT Aux	YES
5	WWAN + 5GHz WLAN Main + BT Aux	YES
6	WWAN + 6E WLAN Main + BT Aux	YES
7	WWAN + 5GHz WLAN MIMO + BT Aux	YES
8	WWAN + 6E WLAN MIMO + BT Aux	YES

Note :
1. The Intel AX210NGW WLAN/BT module is also integrated into this host, WLAN/BT power and WLAN SAR testing data, which can be referred to Intel SAR test report, Report No.:210419-02.TR02(FCC ID:PD9AX210NG) and these results are used for simultaneous transmission analysis.

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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 **(SAR1 + SAR2)^1.5/Ri**, 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 Ri 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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Tablet mode

HONG-BO(L850-GL and RTL8822CE)

The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Anux	Bluetooth Aux			
Tablet	WCDMA Band II	Back Surface	0.269	0.119	0.657	0.084	0.147	0.022	1.045	0.523	0.410
		Top Edge	0.337	0.379	0.004	0.274	0.010	0.002	0.719	0.623	0.718
		Bottom Edge	0.014	0.004	0.003	0.010	0.003	0.002	0.021	0.029	0.020
		Right Edge	0.142	-	0.181	-	0.099	0.004	0.324	0.246	0.146
		Left Edge	0.010	0.362	-	0.267	-	-	0.372	0.277	0.372
	WCDMA Band IV	Back Surface	0.629	0.119	0.657	0.084	0.147	0.022	1.405	0.882	0.770
		Top Edge	0.805	0.379	0.004	0.274	0.010	0.002	1.187	1.090	1.186
		Bottom Edge	0.018	0.004	0.003	0.010	0.003	0.002	0.025	0.033	0.024
		Right Edge	0.177	-	0.181	-	0.099	0.004	0.359	0.281	0.181
		Left Edge	0.015	0.362	-	0.267	-	-	0.377	0.282	0.377
	WCDMA Band V	Back Surface	0.693	0.119	0.657	0.084	0.147	0.022	1.469	0.947	0.834
		Top Edge	0.996	0.379	0.004	0.274	0.010	0.002	1.378	1.282	1.377
		Bottom Edge	0.047	0.004	0.003	0.010	0.003	0.002	0.054	0.062	0.053
		Right Edge	0.198	-	0.181	-	0.099	0.004	0.380	0.302	0.202
		Left Edge	0.079	0.362	-	0.267	-	-	0.441	0.346	0.441
	LTE Band 2	Back Surface	0.276	0.119	0.657	0.084	0.147	0.022	1.052	0.529	0.417
		Top Edge	0.569	0.379	0.004	0.274	0.010	0.002	0.952	0.855	0.950
		Bottom Edge	0.015	0.004	0.003	0.010	0.003	0.002	0.022	0.030	0.021
		Right Edge	0.124	-	0.181	-	0.099	0.004	0.306	0.228	0.128
		Left Edge	0.009	0.362	-	0.267	-	-	0.371	0.276	0.371
	LTE Band 5	Back Surface	0.495	0.119	0.657	0.084	0.147	0.022	1.271	0.748	0.636
		Top Edge	0.896	0.379	0.004	0.274	0.010	0.002	1.279	1.182	1.277
		Bottom Edge	0.049	0.004	0.003	0.010	0.003	0.002	0.056	0.064	0.055
		Right Edge	0.182	-	0.181	-	0.099	0.004	0.363	0.285	0.186
		Left Edge	0.079	0.362	-	0.267	-	-	0.442	0.347	0.442
	LTE Band 7	Back Surface	0.434	0.119	0.657	0.084	0.147	0.022	1.210	0.688	0.575
		Top Edge	0.487	0.379	0.004	0.274	0.010	0.002	0.869	0.772	0.868
		Bottom Edge	0.007	0.004	0.003	0.010	0.003	0.002	0.014	0.022	0.013
		Right Edge	0.136	-	0.181	-	0.099	0.004	0.317	0.239	0.140
		Left Edge	0.011	0.362	-	0.267	-	-	0.373	0.278	0.373
	LTE Band 12	Back Surface	0.328	0.119	0.657	0.084	0.147	0.022	1.104	0.582	0.470
		Top Edge	0.921	0.379	0.004	0.274	0.010	0.002	1.303	1.206	1.301
		Bottom Edge	0.046	0.004	0.003	0.010	0.003	0.002	0.054	0.061	0.053
		Right Edge	0.128	-	0.181	-	0.099	0.004	0.309	0.231	0.132
		Left Edge	0.055	0.362	-	0.267	-	-	0.417	0.322	0.417
	LTE Band 13	Back Surface	0.626	0.119	0.657	0.084	0.147	0.022	1.402	0.880	0.767
		Top Edge	1.139	0.379	0.004	0.274	0.010	0.002	1.521	1.424	1.519
		Bottom Edge	0.052	0.004	0.003	0.010	0.003	0.002	0.060	0.067	0.059
		Right Edge	0.146	-	0.181	-	0.099	0.004	0.327	0.249	0.150
		Left Edge	0.068	0.362	-	0.267	-	-	0.430	0.335	0.430
	LTE Band 26	Back Surface	0.502	0.119	0.657	0.084	0.147	0.022	1.278	0.756	0.643
		Top Edge	1.186	0.379	0.004	0.274	0.010	0.002	1.569	1.472	1.567
		Bottom Edge	0.057	0.004	0.003	0.010	0.003	0.002	0.064	0.072	0.063
		Right Edge	0.188	-	0.181	-	0.099	0.004	0.369	0.291	0.192
		Left Edge	0.087	0.362	-	0.267	-	-	0.449	0.354	0.449
	LTE Band 30	Back Surface	0.222	0.119	0.657	0.084	0.147	0.022	0.998	0.476	0.363
		Top Edge	0.566	0.379	0.004	0.274	0.010	0.002	0.948	0.852	0.947
		Bottom Edge	0.009	0.004	0.003	0.010	0.003	0.002	0.016	0.024	0.015
		Right Edge	0.116	-	0.181	-	0.099	0.004	0.297	0.219	0.120
		Left Edge	0.005	0.362	-	0.267	-	-	0.367	0.272	0.367
	LTE Band 38	Back Surface	0.627	0.119	0.657	0.084	0.147	0.022	1.403	0.880	0.768
		Top Edge	0.685	0.379	0.004	0.274	0.010	0.002	1.067	0.971	1.066
		Bottom Edge	0.006	0.004	0.003	0.010	0.003	0.002	0.013	0.021	0.012
		Right Edge	0.281	-	0.181	-	0.099	0.004	0.463	0.385	0.286
		Left Edge	0.008	0.362	-	0.267	-	-	0.371	0.276	0.371
	LTE Band 41	Back Surface	0.783	0.119	0.657	0.084	0.147	0.022	1.559	1.036	0.924
		Top Edge	0.833	0.379	0.004	0.274	0.010	0.002	1.215	1.119	1.214
		Bottom Edge	0.007	0.004	0.003	0.010	0.003	0.002	0.014	0.022	0.013
		Right Edge	0.311	-	0.181	-	0.099	0.004	0.493	0.415	0.315
		Left Edge	0.006	0.362	-	0.267	-	-	0.368	0.273	0.368
	LTE Band 66	Back Surface	0.507	0.119	0.657	0.084	0.147	0.022	1.283	0.761	0.648
		Top Edge	0.763	0.379	0.004	0.274	0.010	0.002	1.145	1.049	1.144
		Bottom Edge	0.014	0.004	0.003	0.010	0.003	0.002	0.021	0.029	0.020
		Right Edge	0.147	-	0.181	-	0.099	0.004	0.329	0.251	0.151
		Left Edge	0.012	0.362	-	0.267	-	-	0.374	0.279	0.374

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The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Anux	Bluetooth Aux			
Laptop	WWAN >20CM	Bottom Edge	-	-	0.449	-	0.330	0.082	0.449	0.413	0.082

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WNC(L850-GL and RTL8822CE)

The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Anux	Bluetooth Aux			
Tablet	WCDMA Band II	Back Surface	0.269	0.107	0.792	0.105	0.382	0.080	1.168	0.836	0.456
		Top Edge	0.337	0.345	0.006	0.351	0.024	0.004	0.688	0.716	0.686
		Bottom Edge	0.014	0.004	0.002	0.009	0.004	0.002	0.020	0.029	0.020
		Right Edge	0.142	-	0.003	-	0.207	0.030	0.145	0.379	0.173
		Left Edge	0.010	0.867	-	0.349	-	-	0.877	0.359	0.877
	WCDMA Band IV	Back Surface	0.629	0.107	0.792	0.105	0.382	0.080	1.527	1.195	0.816
		Top Edge	0.805	0.345	0.006	0.351	0.024	0.004	1.156	1.184	1.154
		Bottom Edge	0.018	0.004	0.002	0.009	0.004	0.002	0.024	0.033	0.024
		Right Edge	0.177	-	0.003	-	0.207	0.030	0.180	0.414	0.207
		Left Edge	0.015	0.867	-	0.349	-	-	0.882	0.364	0.882
	WCDMA Band V	Back Surface	0.693	0.107	0.792	0.105	0.382	0.080	1.592	1.260	0.880
		Top Edge	0.996	0.345	0.006	0.351	0.024	0.004	1.347	1.375	1.345
		Bottom Edge	0.047	0.004	0.002	0.009	0.004	0.002	0.053	0.062	0.053
		Right Edge	0.198	-	0.003	-	0.207	0.030	0.201	0.435	0.228
		Left Edge	0.079	0.867	-	0.349	-	-	0.945	0.427	0.945
	LTE Band 2	Back Surface	0.276	0.107	0.792	0.105	0.382	0.080	1.174	0.842	0.463
		Top Edge	0.569	0.345	0.006	0.351	0.024	0.004	0.921	0.948	0.918
		Bottom Edge	0.015	0.004	0.002	0.009	0.004	0.002	0.021	0.030	0.021
		Right Edge	0.124	-	0.003	-	0.207	0.030	0.127	0.361	0.154
		Left Edge	0.009	0.867	-	0.349	-	-	0.876	0.358	0.876
	LTE Band 5	Back Surface	0.495	0.107	0.792	0.105	0.382	0.080	1.393	1.061	0.681
		Top Edge	0.896	0.345	0.006	0.351	0.024	0.004	1.248	1.275	1.245
		Bottom Edge	0.049	0.004	0.002	0.009	0.004	0.002	0.055	0.064	0.055
		Right Edge	0.182	-	0.003	-	0.207	0.030	0.185	0.419	0.212
		Left Edge	0.079	0.867	-	0.349	-	-	0.946	0.428	0.946
	LTE Band 7	Back Surface	0.434	0.107	0.792	0.105	0.382	0.080	1.333	1.001	0.621
		Top Edge	0.487	0.345	0.006	0.351	0.024	0.004	0.838	0.866	0.836
		Bottom Edge	0.007	0.004	0.002	0.009	0.004	0.002	0.013	0.022	0.013
		Right Edge	0.136	-	0.003	-	0.207	0.030	0.139	0.372	0.166
		Left Edge	0.011	0.867	-	0.349	-	-	0.877	0.359	0.877
	LTE Band 12	Back Surface	0.328	0.107	0.792	0.105	0.382	0.080	1.227	0.895	0.515
		Top Edge	0.921	0.345	0.006	0.351	0.024	0.004	1.272	1.300	1.270
		Bottom Edge	0.046	0.004	0.002	0.009	0.004	0.002	0.053	0.061	0.053
		Right Edge	0.128	-	0.003	-	0.207	0.030	0.131	0.364	0.158
		Left Edge	0.055	0.867	-	0.349	-	-	0.921	0.404	0.921
	LTE Band 13	Back Surface	0.626	0.107	0.792	0.105	0.382	0.080	1.525	1.193	0.813
		Top Edge	1.139	0.345	0.006	0.351	0.024	0.004	1.490	1.518	1.488
		Bottom Edge	0.052	0.004	0.002	0.009	0.004	0.002	0.058	0.067	0.059
		Right Edge	0.146	-	0.003	-	0.207	0.030	0.149	0.383	0.176
		Left Edge	0.068	0.867	-	0.349	-	-	0.934	0.417	0.934
	LTE Band 26	Back Surface	0.502	0.107	0.792	0.105	0.382	0.080	1.401	1.069	0.689
		Top Edge	1.186	0.345	0.006	0.351	0.024	0.004	1.538	1.565	1.536
		Bottom Edge	0.057	0.004	0.002	0.009	0.004	0.002	0.063	0.072	0.063
		Right Edge	0.188	-	0.003	-	0.207	0.030	0.191	0.424	0.218
		Left Edge	0.087	0.867	-	0.349	-	-	0.954	0.436	0.954
	LTE Band 30	Back Surface	0.222	0.107	0.792	0.105	0.382	0.080	1.121	0.789	0.409
		Top Edge	0.566	0.345	0.006	0.351	0.024	0.004	0.917	0.945	0.915
		Bottom Edge	0.009	0.004	0.002	0.009	0.004	0.002	0.015	0.024	0.015
		Right Edge	0.116	-	0.003	-	0.207	0.030	0.119	0.352	0.146
		Left Edge	0.005	0.867	-	0.349	-	-	0.871	0.353	0.871
	LTE Band 38	Back Surface	0.627	0.107	0.792	0.105	0.382	0.080	1.525	1.193	0.814
		Top Edge	0.685	0.345	0.006	0.351	0.024	0.004	1.036	1.064	1.034
		Bottom Edge	0.006	0.004	0.002	0.009	0.004	0.002	0.012	0.021	0.012
		Right Edge	0.281	-	0.003	-	0.207	0.030	0.284	0.518	0.312
		Left Edge	0.008	0.867	-	0.349	-	-	0.875	0.357	0.875
	LTE Band 41	Back Surface	0.783	0.107	0.792	0.105	0.382	0.080	1.681	1.349	0.970
		Top Edge	0.833	0.345	0.006	0.351	0.024	0.004	1.184	1.212	1.182
		Bottom Edge	0.007	0.004	0.002	0.009	0.004	0.002	0.013	0.022	0.013
		Right Edge	0.311	-	0.003	-	0.207	0.030	0.314	0.548	0.341
		Left Edge	0.006	0.867	-	0.349	-	-	0.872	0.354	0.872
	LTE Band 66	Back Surface	0.507	0.107	0.792	0.105	0.382	0.080	1.406	1.074	0.694
		Top Edge	0.763	0.345	0.006	0.351	0.024	0.004	1.114	1.142	1.112
		Bottom Edge	0.014	0.004	0.002	0.009	0.004	0.002	0.020	0.029	0.020
		Right Edge	0.147	-	0.003	-	0.207	0.030	0.150	0.384	0.177
		Left Edge	0.012	0.867	-	0.349	-	-	0.878	0.361	0.878

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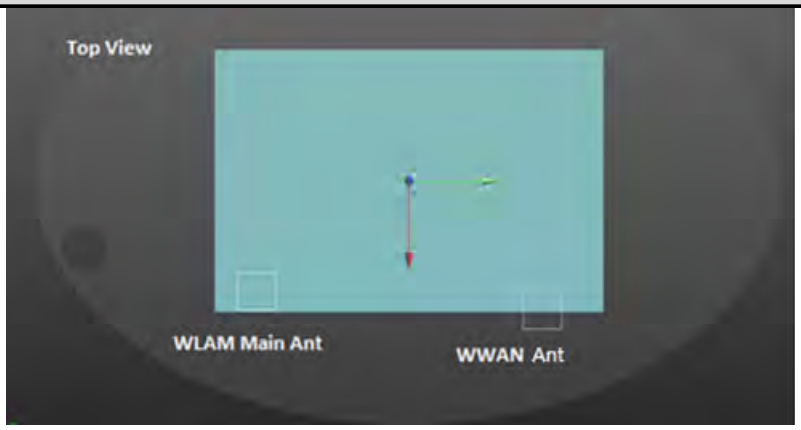
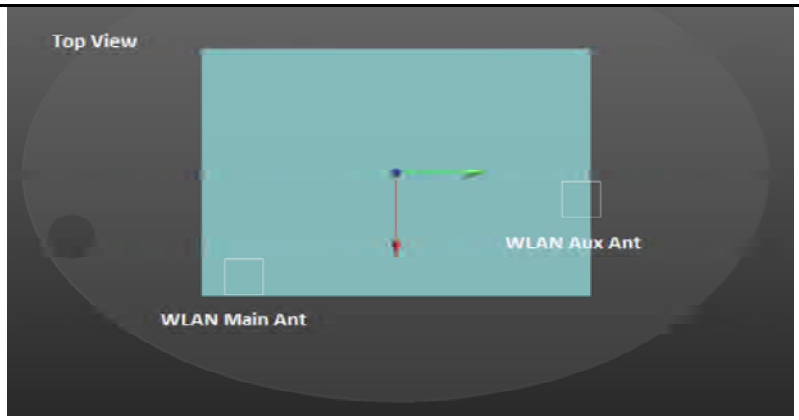
Scenario: WLAN 2.4G Main to LTE Band 41 and WLAN 2.4G Aux_Back Surface									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	WLAN 2.4G Main	0.107	8.78	-12.06	-0.50	-	-	-	-
	LTE Band 41	0.783	10.34	10.42	-0.20	0.890	225.36	0.004	SPLSR ≤ 0.04, Not required
	WLAN 2.4G Aux	0.792	2.28	14.46	-0.50	0.899	273.05	0.003	SPLSR ≤ 0.04, Not required

Scenario photo : WLAN 2.4G Main to LTE Band 41 and WLAN 2.4G Aux_Back Surface	
WLAN 2.4G Main + LTE Band 41	
WLAN 2.4G Main + WLAN 2.4G Aux	

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Scenario: WLAN 2.4G Aux to LTE Band 41_Back Surface									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	WLAN 2.4G Aux	0.792	2.28	14.46	-0.50	-	-	-	-
	LTE Band 41	0.783	10.34	10.42	-0.20	1.574	90.21	0.022	SPLSR ≤ 0.04, Not required

Scenario photo : WLAN 2.4G Aux to LTE Band 41_Back Surface	
WLAN 2.4G Aux + LTE Band 41	

The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Anux	Bluetooth Aux			
Laptop	WWAN >20CM	Bottom Edge	-	-	0.690	-	0.486	0.016	0.690	0.502	0.016

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HONG-BO(L850-GL and AX210NGW)

The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Aux	Bluetooth Aux			
Tablet	WCDMA Band II	Back Surface	0.269	0.100	0.720	0.180	0.210	0.130	1.089	0.789	0.499
		Top Edge	0.337	0.330	0.009	0.340	0.001	0.003	0.676	0.682	0.670
		Bottom Edge	0.014	0.015	0.013	0.012	0.002	0.001	0.043	0.029	0.030
		Right Edge	0.142	-	0.560	-	0.090	0.060	0.702	0.292	0.202
		Left Edge	0.010	0.210	-	0.380	-	-	0.220	0.390	0.220
	WCDMA Band IV	Back Surface	0.629	0.100	0.720	0.180	0.210	0.130	1.449	1.149	0.859
		Top Edge	0.805	0.330	0.009	0.340	0.001	0.003	1.144	1.149	1.138
		Bottom Edge	0.018	0.015	0.013	0.012	0.002	0.001	0.047	0.033	0.034
		Right Edge	0.177	-	0.560	-	0.090	0.060	0.737	0.327	0.237
		Left Edge	0.015	0.210	-	0.380	-	-	0.225	0.395	0.225
	WCDMA Band V	Back Surface	0.693	0.100	0.720	0.180	0.210	0.130	1.513	1.213	0.923
		Top Edge	0.996	0.330	0.009	0.340	0.001	0.003	1.335	1.341	1.329
		Bottom Edge	0.047	0.015	0.013	0.012	0.002	0.001	0.076	0.062	0.063
		Right Edge	0.198	-	0.560	-	0.090	0.060	0.758	0.348	0.258
		Left Edge	0.079	0.210	-	0.380	-	-	0.289	0.459	0.289
	LTE Band 2	Back Surface	0.276	0.100	0.720	0.180	0.210	0.130	1.096	0.796	0.506
		Top Edge	0.569	0.330	0.009	0.340	0.001	0.003	0.908	0.914	0.902
		Bottom Edge	0.015	0.015	0.013	0.012	0.002	0.001	0.044	0.030	0.031
		Right Edge	0.124	-	0.560	-	0.090	0.060	0.684	0.274	0.184
		Left Edge	0.009	0.210	-	0.380	-	-	0.219	0.389	0.219
	LTE Band 5	Back Surface	0.495	0.100	0.720	0.180	0.210	0.130	1.315	1.015	0.725
		Top Edge	0.896	0.330	0.009	0.340	0.001	0.003	1.235	1.241	1.229
		Bottom Edge	0.049	0.015	0.013	0.012	0.002	0.001	0.077	0.064	0.065
		Right Edge	0.182	-	0.560	-	0.090	0.060	0.742	0.332	0.242
		Left Edge	0.079	0.210	-	0.380	-	-	0.289	0.459	0.289
	LTE Band 7	Back Surface	0.434	0.100	0.720	0.180	0.210	0.130	1.254	0.954	0.664
		Top Edge	0.487	0.330	0.009	0.340	0.001	0.003	0.826	0.831	0.820
		Bottom Edge	0.007	0.015	0.013	0.012	0.002	0.001	0.035	0.022	0.023
		Right Edge	0.136	-	0.560	-	0.090	0.060	0.696	0.286	0.196
		Left Edge	0.011	0.210	-	0.380	-	-	0.221	0.391	0.221
	LTE Band 12	Back Surface	0.328	0.100	0.720	0.180	0.210	0.130	1.148	0.848	0.558
		Top Edge	0.921	0.330	0.009	0.340	0.001	0.003	1.260	1.265	1.254
		Bottom Edge	0.046	0.015	0.013	0.012	0.002	0.001	0.075	0.061	0.063
		Right Edge	0.128	-	0.560	-	0.090	0.060	0.688	0.278	0.188
		Left Edge	0.055	0.210	-	0.380	-	-	0.265	0.435	0.265
	LTE Band 13	Back Surface	0.626	0.100	0.720	0.180	0.210	0.130	1.446	1.146	0.856
		Top Edge	1.139	0.330	0.009	0.340	0.001	0.003	1.478	1.483	1.472
		Bottom Edge	0.052	0.015	0.013	0.012	0.002	0.001	0.081	0.067	0.069
		Right Edge	0.146	-	0.560	-	0.090	0.060	0.706	0.296	0.206
		Left Edge	0.068	0.210	-	0.380	-	-	0.278	0.448	0.278
	LTE Band 26	Back Surface	0.502	0.100	0.720	0.180	0.210	0.130	1.322	1.022	0.732
		Top Edge	1.186	0.330	0.009	0.340	0.001	0.003	1.525	1.531	1.519
		Bottom Edge	0.057	0.015	0.013	0.012	0.002	0.001	0.086	0.072	0.073
		Right Edge	0.188	-	0.560	-	0.090	0.060	0.748	0.338	0.248
		Left Edge	0.087	0.210	-	0.380	-	-	0.297	0.467	0.297
	LTE Band 30	Back Surface	0.222	0.100	0.720	0.180	0.210	0.130	1.042	0.742	0.452
		Top Edge	0.566	0.330	0.009	0.340	0.001	0.003	0.905	0.910	0.899
		Bottom Edge	0.009	0.015	0.013	0.012	0.002	0.001	0.038	0.024	0.025
		Right Edge	0.116	-	0.560	-	0.090	0.060	0.676	0.266	0.176
		Left Edge	0.005	0.210	-	0.380	-	-	0.215	0.385	0.215
	LTE Band 38	Back Surface	0.627	0.100	0.720	0.180	0.210	0.130	1.447	1.147	0.857
		Top Edge	0.685	0.330	0.009	0.340	0.001	0.003	1.024	1.030	1.018
		Bottom Edge	0.006	0.015	0.013	0.012	0.002	0.001	0.034	0.021	0.022
		Right Edge	0.281	-	0.560	-	0.090	0.060	0.841	0.431	0.341
		Left Edge	0.008	0.210	-	0.380	-	-	0.218	0.388	0.218
	LTE Band 41	Back Surface	0.783	0.100	0.720	0.180	0.210	0.130	1.603	1.303	1.013
		Top Edge	0.833	0.330	0.009	0.340	0.001	0.003	1.172	1.178	1.166
		Bottom Edge	0.007	0.015	0.013	0.012	0.002	0.001	0.036	0.022	0.023
		Right Edge	0.311	-	0.560	-	0.090	0.060	0.871	0.461	0.371
		Left Edge	0.006	0.210	-	0.380	-	-	0.216	0.386	0.216
	LTE Band 66	Back Surface	0.507	0.100	0.720	0.180	0.210	0.130	1.327	1.027	0.737
		Top Edge	0.763	0.330	0.009	0.340	0.001	0.003	1.102	1.108	1.096
		Bottom Edge	0.014	0.015	0.013	0.012	0.002	0.001	0.043	0.029	0.030
		Right Edge	0.147	-	0.560	-	0.090	0.060	0.707	0.297	0.207
		Left Edge	0.012	0.210	-	0.380	-	-	0.222	0.392	0.222

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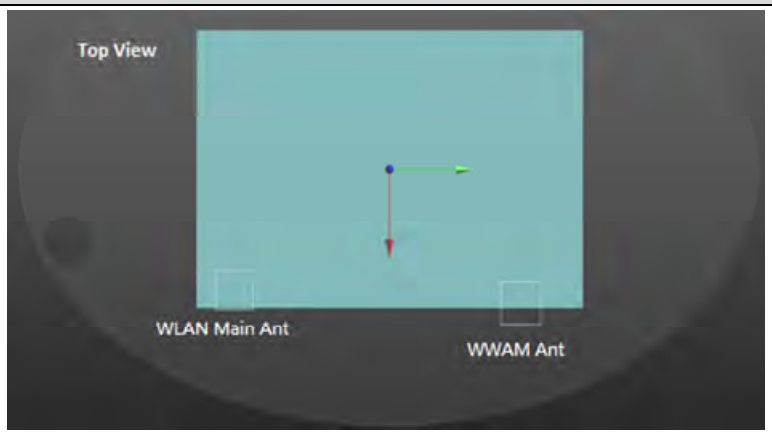
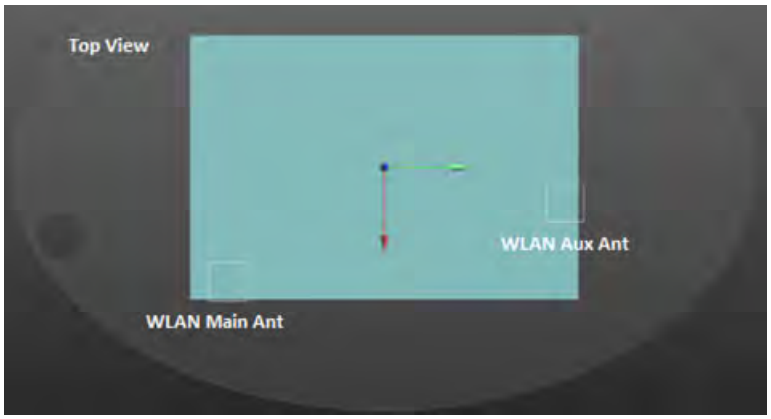
Scenario: WLAN 2.4G Main to LTE Band 41 and WLAN 2.4G Aux_Back Surface									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	WLAN 2.4G Main	0.100	8.94	-12.52	0.04	-	-	-	-
	LTE Band 41	0.783	9.89	11.04	-0.18	0.883	235.80	0.004	SPLSR ≤ 0.04, Not required
	WLAN 2.4G Aux	0.720	3.00	14.34	-0.01	0.820	275.09	0.003	SPLSR ≤ 0.04, Not required

Scenario photo : WLAN 2.4G Main to LTE Band 41 and WLAN 2.4G Aux_Back Surface	
WLAN 2.4G Main + LTE Band 41	
WLAN 2.4G Main + WLAN 2.4G Aux	

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Scenario: WLAN 2.4G Aux to LTE Band 41_Back Surface									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	WLAN 2.4G Aux	0.720	3.00	14.34	-0.01	-	-	-	-
	LTE Band 41	0.783	9.89	11.04	-0.18	1.503	76.41	0.024	SPLSR ≤ 0.04, Not required

Scenario photo : WLAN 2.4G Aux to LTE Band 41_Back Surface	
WLAN 2.4G Aux + LTE Band 41	

The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Aux	Bluetooth Aux			
Laptop	WWAN >20CM	Bottom Edge	-	-	0.470	-	0.280	0.005	0.470	0.285	0.005

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The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	0+1+2+3 Sum
			WWAN	WLAN 6E Main	WLAN 6E Aux	Bluetooth Aux	
Tablet	WCDMA Band II	Back Surface	0.269	0.009	0.260	0.180	0.538
		Top Edge	0.337	0.110	0.012	0.340	0.459
		Bottom Edge	0.014	0.400	0.400	0.012	0.814
		Right Edge	0.142	-	0.170	-	0.312
		Left Edge	0.010	0.150	-	0.380	0.160
	WCDMA Band IV	Back Surface	0.629	0.009	0.260	0.180	0.898
		Top Edge	0.805	0.110	0.012	0.340	0.927
		Bottom Edge	0.018	0.400	0.400	0.012	0.818
		Right Edge	0.177	-	0.170	-	0.347
		Left Edge	0.015	0.150	-	0.380	0.165
	WCDMA Band V	Back Surface	0.693	0.009	0.260	0.180	0.962
		Top Edge	0.996	0.110	0.012	0.340	1.118
		Bottom Edge	0.047	0.400	0.400	0.012	0.847
		Right Edge	0.198	-	0.170	-	0.368
		Left Edge	0.079	0.150	-	0.380	0.229
	LTE Band 2	Back Surface	0.276	0.009	0.260	0.180	0.545
		Top Edge	0.569	0.110	0.012	0.340	0.691
		Bottom Edge	0.015	0.400	0.400	0.012	0.815
		Right Edge	0.124	-	0.170	-	0.294
		Left Edge	0.009	0.150	-	0.380	0.159
	LTE Band 5	Back Surface	0.495	0.009	0.260	0.180	0.764
		Top Edge	0.896	0.110	0.012	0.340	1.018
		Bottom Edge	0.049	0.400	0.400	0.012	0.849
		Right Edge	0.182	-	0.170	-	0.352
		Left Edge	0.079	0.150	-	0.380	0.229
	LTE Band 7	Back Surface	0.434	0.009	0.260	0.180	0.703
		Top Edge	0.487	0.110	0.012	0.340	0.609
		Bottom Edge	0.007	0.400	0.400	0.012	0.807
		Right Edge	0.136	-	0.170	-	0.306
		Left Edge	0.011	0.150	-	0.380	0.161
	LTE Band 12	Back Surface	0.328	0.009	0.260	0.180	0.597
		Top Edge	0.921	0.110	0.012	0.340	1.043
		Bottom Edge	0.046	0.400	0.400	0.012	0.846
		Right Edge	0.128	-	0.170	-	0.298
		Left Edge	0.055	0.150	-	0.380	0.205
	LTE Band 13	Back Surface	0.626	0.009	0.260	0.180	0.895
		Top Edge	1.139	0.110	0.012	0.340	1.261
		Bottom Edge	0.052	0.400	0.400	0.012	0.852
		Right Edge	0.146	-	0.170	-	0.316
		Left Edge	0.068	0.150	-	0.380	0.218
	LTE Band 26	Back Surface	0.502	0.009	0.260	0.180	0.771
		Top Edge	1.186	0.110	0.012	0.340	1.308
		Bottom Edge	0.057	0.400	0.400	0.012	0.857
		Right Edge	0.188	-	0.170	-	0.358
		Left Edge	0.087	0.150	-	0.380	0.237
	LTE Band 30	Back Surface	0.222	0.009	0.260	0.180	0.491
		Top Edge	0.566	0.110	0.012	0.340	0.688
		Bottom Edge	0.009	0.400	0.400	0.012	0.809
		Right Edge	0.116	-	0.170	-	0.286
		Left Edge	0.005	0.150	-	0.380	0.155
	LTE Band 38	Back Surface	0.627	0.009	0.260	0.180	0.896
		Top Edge	0.685	0.110	0.012	0.340	0.807
		Bottom Edge	0.006	0.400	0.400	0.012	0.806
		Right Edge	0.281	-	0.170	-	0.451
		Left Edge	0.008	0.150	-	0.380	0.158
	LTE Band 41	Back Surface	0.783	0.009	0.260	0.180	1.052
		Top Edge	0.833	0.110	0.012	0.340	0.955
		Bottom Edge	0.007	0.400	0.400	0.012	0.807
		Right Edge	0.311	-	0.170	-	0.481
		Left Edge	0.006	0.150	-	0.380	0.156
	LTE Band 66	Back Surface	0.507	0.009	0.260	0.180	0.776
		Top Edge	0.763	0.110	0.012	0.340	0.885
		Bottom Edge	0.014	0.400	0.400	0.012	0.814
		Right Edge	0.147	-	0.170	-	0.317
		Left Edge	0.012	0.150	-	0.380	0.162

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The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	0+1+2+3 Sum
			WWAN	WLAN 6E Main	WLAN 6E Aux	Bluetooth Aux	
Laptop	WWAN >20CM	Bottom Edge	-	-	0.120	0.005	0.125

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WNC(L850-GL and AX210NGW)

The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Anux	Bluetooth Aux			
Tablet	WCDMA Band II	Back Surface	0.400	0.110	0.570	0.170	0.560	0.120	1.080	1.250	0.630
		Top Edge	0.651	0.320	0.002	0.440	0.009	0.003	0.973	1.103	0.974
		Bottom Edge	0.028	0.005	0.001	0.002	0.001	0.400	0.034	0.431	0.433
		Right Edge	0.148	-	0.630	-	0.220	0.110	0.778	0.478	0.258
		Left Edge	0.025	0.270	-	0.570	-	-	0.295	0.595	0.295
	WCDMA Band IV	Back Surface	0.642	0.110	0.570	0.170	0.560	0.120	1.322	1.492	0.872
		Top Edge	0.944	0.320	0.002	0.440	0.009	0.003	1.266	1.396	1.267
		Bottom Edge	0.026	0.005	0.001	0.002	0.001	0.400	0.032	0.429	0.431
		Right Edge	0.165	-	0.630	-	0.220	0.110	0.795	0.495	0.275
		Left Edge	0.024	0.270	-	0.570	-	-	0.294	0.594	0.294
	WCDMA Band V	Back Surface	0.639	0.110	0.570	0.170	0.560	0.120	1.319	1.489	0.869
		Top Edge	0.948	0.320	0.002	0.440	0.009	0.003	1.270	1.400	1.271
		Bottom Edge	0.053	0.005	0.001	0.002	0.001	0.400	0.059	0.456	0.458
		Right Edge	0.131	-	0.630	-	0.220	0.110	0.761	0.461	0.241
		Left Edge	0.036	0.270	-	0.570	-	-	0.306	0.606	0.306
	LTE Band 2	Back Surface	0.366	0.110	0.570	0.170	0.560	0.120	1.046	1.216	0.596
		Top Edge	0.753	0.320	0.002	0.440	0.009	0.003	1.075	1.205	1.076
		Bottom Edge	0.022	0.005	0.001	0.002	0.001	0.400	0.028	0.425	0.427
		Right Edge	0.139	-	0.630	-	0.220	0.110	0.769	0.469	0.249
		Left Edge	0.026	0.270	-	0.570	-	-	0.296	0.596	0.296
	LTE Band 5	Back Surface	0.588	0.110	0.570	0.170	0.560	0.120	1.268	1.438	0.818
		Top Edge	1.168	0.320	0.002	0.440	0.009	0.003	1.490	1.620	1.491
		Bottom Edge	0.052	0.005	0.001	0.002	0.001	0.400	0.058	0.455	0.457
		Right Edge	0.123	-	0.630	-	0.220	0.110	0.753	0.453	0.233
		Left Edge	0.036	0.270	-	0.570	-	-	0.306	0.606	0.306
	LTE Band 7	Back Surface	0.185	0.110	0.570	0.170	0.560	0.120	0.865	1.035	0.415
		Top Edge	0.897	0.320	0.002	0.440	0.009	0.003	1.219	1.349	1.220
		Bottom Edge	0.010	0.005	0.001	0.002	0.001	0.400	0.016	0.413	0.415
		Right Edge	0.050	-	0.630	-	0.220	0.110	0.680	0.380	0.160
		Left Edge	0.007	0.270	-	0.570	-	-	0.277	0.577	0.277
	LTE Band 12	Back Surface	0.401	0.110	0.570	0.170	0.560	0.120	1.081	1.251	0.631
		Top Edge	0.942	0.320	0.002	0.440	0.009	0.003	1.264	1.394	1.265
		Bottom Edge	0.064	0.005	0.001	0.002	0.001	0.400	0.070	0.467	0.469
		Right Edge	0.093	-	0.630	-	0.220	0.110	0.723	0.423	0.203
		Left Edge	0.053	0.270	-	0.570	-	-	0.323	0.623	0.323
	LTE Band 13	Back Surface	0.687	0.110	0.570	0.170	0.560	0.120	1.367	1.537	0.917
		Top Edge	1.108	0.320	0.002	0.440	0.009	0.003	1.430	1.560	1.431
		Bottom Edge	0.056	0.005	0.001	0.002	0.001	0.400	0.062	0.459	0.461
		Right Edge	0.108	-	0.630	-	0.220	0.110	0.738	0.438	0.218
		Left Edge	0.075	0.270	-	0.570	-	-	0.345	0.645	0.345
	LTE Band 26	Back Surface	0.578	0.110	0.570	0.170	0.560	0.120	1.258	1.428	0.808
		Top Edge	1.150	0.320	0.002	0.440	0.009	0.003	1.472	1.602	1.473
		Bottom Edge	0.075	0.005	0.001	0.002	0.001	0.400	0.081	0.478	0.480
		Right Edge	0.149	-	0.630	-	0.220	0.110	0.779	0.479	0.259
		Left Edge	0.080	0.270	-	0.570	-	-	0.350	0.650	0.350
	LTE Band 30	Back Surface	0.162	0.110	0.570	0.170	0.560	0.120	0.842	1.012	0.392
		Top Edge	0.154	0.320	0.002	0.440	0.009	0.003	0.476	0.606	0.477
		Bottom Edge	0.009	0.005	0.001	0.002	0.001	0.400	0.015	0.412	0.414
		Right Edge	0.058	-	0.630	-	0.220	0.110	0.688	0.388	0.168
		Left Edge	0.013	0.270	-	0.570	-	-	0.283	0.583	0.283
	LTE Band 38	Back Surface	0.197	0.110	0.570	0.170	0.560	0.120	0.877	1.047	0.427
		Top Edge	0.639	0.320	0.002	0.440	0.009	0.003	0.961	1.091	0.962
		Bottom Edge	0.008	0.005	0.001	0.002	0.001	0.400	0.014	0.411	0.413
		Right Edge	0.064	-	0.630	-	0.220	0.110	0.694	0.394	0.174
		Left Edge	0.010	0.270	-	0.570	-	-	0.280	0.580	0.280
	LTE Band 41	Back Surface	0.248	0.110	0.570	0.170	0.560	0.120	0.928	1.098	0.478
		Top Edge	0.737	0.320	0.002	0.440	0.009	0.003	1.059	1.189	1.060
		Bottom Edge	0.011	0.005	0.001	0.002	0.001	0.400	0.017	0.414	0.416
		Right Edge	0.043	-	0.630	-	0.220	0.110	0.673	0.373	0.153
		Left Edge	0.004	0.270	-	0.570	-	-	0.274	0.574	0.274
	LTE Band 66	Back Surface	0.528	0.110	0.570	0.170	0.560	0.120	1.208	1.378	0.758
		Top Edge	1.009	0.320	0.002	0.440	0.009	0.003	1.331	1.461	1.332
		Bottom Edge	0.024	0.005	0.001	0.002	0.001	0.400	0.030	0.427	0.429
		Right Edge	0.153	-	0.630	-	0.220	0.110	0.783	0.483	0.263
		Left Edge	0.018	0.270	-	0.570	-	-	0.288	0.588	0.288

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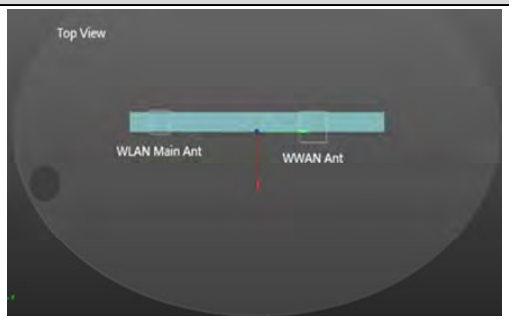
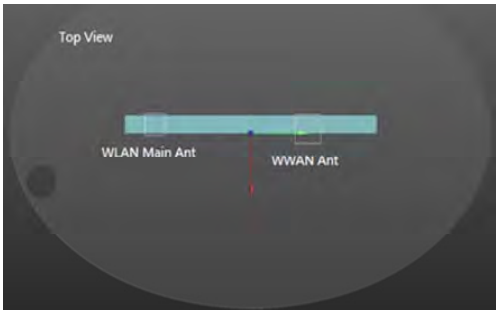
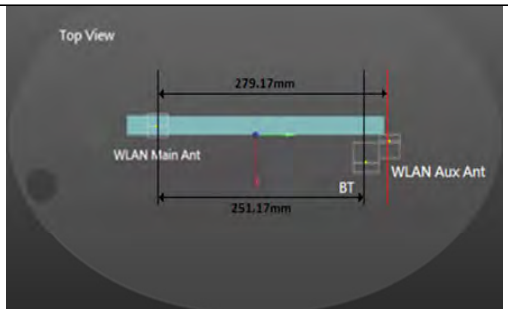
Scenario: WLAN 5G Main to WWAN and WLAN 5G Aux_Top Edge									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top Edge	WLAN 5G Main	0.440	-0.84	-11.78	0.39	-	-	-	-
	LTE Band 5	1.168	-0.34	7.11	-0.18	1.608	189.05	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.150	0.34	6.96	-0.19	1.590	187.86	0.011	SPLSR ≤ 0.05, Not required
	WLAN 5G Aux+BT	0.012	2.67	13.05	1.81	0.452	251.17	0.001	SPLSR ≤ 0.06, Not required

Scenario photo : WLAN 5G Main to WWAN and WLAN 5G Aux_Top Edge	
WLAN 5G Main + LTE Band 26	
WLAN 5G Main + LTE Band 5	
WLAN 5G Main + WLAN 5G Aux(BT)	

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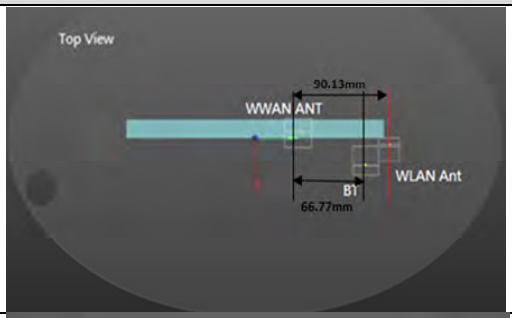
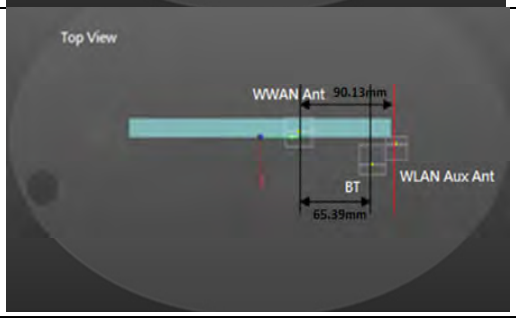
Scenario: WLAN 5G Aux to WWAN_Top Edge									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top Edge	WLAN 5G Aux+BT	0.012	2.67	13.06	0.16	-	-	-	-
	LTE Band 5	1.168	-0.34	7.11	-0.18	1.180	66.77	0.019	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.150	0.34	6.96	-0.19	1.162	65.39	0.019	SPLSR ≤ 0.05, Not required

Scenario photo : WLAN 5G Aux to WWAN_Top Edge	
WLAN 5G Aux(BT) + LTE Band 5	
WLAN 5G Aux(BT) + LTE Band 26	

The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	4	5	0+1+2 Sum	0+3+4+5 Sum	0+1+5 Sum
			WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Anux	Bluetooth Aux			
Laptop	WWAN >20CM	Bottom Edge	-	-	0.590	-	0.710	0.080	0.590	0.790	0.080

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The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	0+1+2+3 Sum
			WWAN	WLAN 6E Main	WLAN 6E Aux	Bluetooth Aux	
Tablet	WCDMA Band II	Back Surface	0.400	0.160	0.430	0.120	0.990
		Top Edge	0.651	0.240	0.014	0.003	0.905
		Bottom Edge	0.028	0.400	0.400	0.400	0.828
		Right Edge	0.148	-	0.190	0.110	0.338
		Left Edge	0.025	0.340	-	-	0.365
	WCDMA Band IV	Back Surface	0.642	0.160	0.430	0.120	1.232
		Top Edge	0.944	0.240	0.014	0.003	1.198
		Bottom Edge	0.026	0.400	0.400	0.400	0.826
		Right Edge	0.165	-	0.190	0.110	0.355
		Left Edge	0.024	0.340	-	-	0.364
	WCDMA Band V	Back Surface	0.639	0.160	0.430	0.120	1.229
		Top Edge	0.948	0.240	0.014	0.003	1.202
		Bottom Edge	0.053	0.400	0.400	0.400	0.853
		Right Edge	0.131	-	0.190	0.110	0.321
		Left Edge	0.036	0.340	-	-	0.376
	LTE Band 2	Back Surface	0.366	0.160	0.430	0.120	0.956
		Top Edge	0.753	0.240	0.014	0.003	1.007
		Bottom Edge	0.022	0.400	0.400	0.400	0.822
		Right Edge	0.139	-	0.190	0.110	0.329
		Left Edge	0.026	0.340	-	-	0.366
	LTE Band 5	Back Surface	0.588	0.160	0.430	0.120	1.178
		Top Edge	1.168	0.240	0.014	0.003	1.422
		Bottom Edge	0.052	0.400	0.400	0.400	0.852
		Right Edge	0.123	-	0.190	0.110	0.313
		Left Edge	0.036	0.340	-	-	0.376
	LTE Band 7	Back Surface	0.185	0.160	0.430	0.120	0.775
		Top Edge	0.897	0.240	0.014	0.003	1.151
		Bottom Edge	0.010	0.400	0.400	0.400	0.810
		Right Edge	0.050	-	0.190	0.110	0.240
		Left Edge	0.007	0.340	-	-	0.347
	LTE Band 12	Back Surface	0.401	0.160	0.430	0.120	0.991
		Top Edge	0.942	0.240	0.014	0.003	1.196
		Bottom Edge	0.064	0.400	0.400	0.400	0.864
		Right Edge	0.093	-	0.190	0.110	0.283
		Left Edge	0.053	0.340	-	-	0.393
	LTE Band 13	Back Surface	0.687	0.160	0.430	0.120	1.277
		Top Edge	1.108	0.240	0.014	0.003	1.362
		Bottom Edge	0.056	0.400	0.400	0.400	0.856
		Right Edge	0.108	-	0.190	0.110	0.298
		Left Edge	0.075	0.340	-	-	0.415
	LTE Band 26	Back Surface	0.578	0.160	0.430	0.120	1.168
		Top Edge	1.150	0.240	0.014	0.003	1.404
		Bottom Edge	0.075	0.400	0.400	0.400	0.875
		Right Edge	0.149	-	0.190	0.110	0.339
		Left Edge	0.080	0.340	-	-	0.420
	LTE Band 30	Back Surface	0.162	0.160	0.430	0.120	0.752
		Top Edge	0.154	0.240	0.014	0.003	0.408
		Bottom Edge	0.009	0.400	0.400	0.400	0.809
		Right Edge	0.058	-	0.190	0.110	0.248
		Left Edge	0.013	0.340	-	-	0.353
	LTE Band 38	Back Surface	0.197	0.160	0.430	0.120	0.787
		Top Edge	0.639	0.240	0.014	0.003	0.893
		Bottom Edge	0.008	0.400	0.400	0.400	0.808
		Right Edge	0.064	-	0.190	0.110	0.254
		Left Edge	0.010	0.340	-	-	0.350
	LTE Band 41	Back Surface	0.248	0.160	0.430	0.120	0.838
		Top Edge	0.737	0.240	0.014	0.003	0.991
		Bottom Edge	0.011	0.400	0.400	0.400	0.811
		Right Edge	0.043	-	0.190	0.110	0.233
		Left Edge	0.004	0.340	-	-	0.344
	LTE Band 66	Back Surface	0.528	0.160	0.430	0.120	1.118
		Top Edge	1.009	0.240	0.014	0.003	1.263
		Bottom Edge	0.024	0.400	0.400	0.400	0.824
		Right Edge	0.153	-	0.190	0.110	0.343
		Left Edge	0.018	0.340	-	-	0.358

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The simultaneous exposure conditions:

Operation mode	WWAN	Exposure position 1g(W/kg)	0	1	2	3	0+1+2+3 Sum
			WWAN	WLAN 6E Main	WLAN 6E Aux	Bluetooth Aux	
Laptop	WWAN >20CM	Bottom Edge	-	-	0.120	0.008	0.128

Conclusion:

Simultaneous transmission SAR measurement (Volume Scan) is not required because either the sum of the 1-g SAR is < 1.6 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	3665	Aug.20,2020	Aug.19,2021
			3770	May.27,2020	May.26,2021
SPEAG	System Validation Dipole	D750V3	1015	Aug.13,2020	Aug.12,2021
		D835V2	4d063	Aug.13,2020	Aug.12,2021
		D1750V2	1008	Aug.14,2020	Aug.13,2021
		D1900V2	5d173	Apr.22,2020	Apr.21,2021
		D2300V2	1023	Aug.13,2020	Aug.12,2021
		D2450V2	727	Apr.22,2020	Apr.21,2021
		D2600V2	1005	Jan.29,2020	Jan.28,2021
		D5GHzV2	1023	Jan.28,2020	Jan.27,2021
SPEAG	Data acquisition Electronics	DAE4	856	Apr.23,2020	Apr.22,2021
			558	Oct.11,2019	Oct.10,2020
SPEAG	Software	DASY 52 52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
Agilent	Network Analyzer	E5071C	MY46100433	Dec.13,2019	Dec.12,2020
Agilent	Dielectric Probe Kit	85070E	MY44300677	Calibration not required	Calibration not required
Agilent	Dual-directional coupler	772D	MY46151242	Aug.17,2020	Aug.16,2021
		778D	MY48220468	Aug.17,2020	Aug.16,2021
Agilent	RF Signal Generator	N5181A	MY50141235	May.04,2020	May.03,2021
Agilent	Power Meter	E4417A	MY51410006	Mar.09,2020	Mar.08,2021

Note:
Instruments List of the original test report EN/2020/80008.

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Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
Agilent	Power Sensor	E9301H	MY51470001	Mar.09,2020	Mar.08,2021
			MY51470002	Mar.09,2020	Mar.08,2021
TECPEL	Digital thermometer	DTM-303A	TP130074	Apr.10,2020	Apr.09,2021
Anritsu	Radio Communication Test	MT8820C	6201061014	Apr.28,2020	Apr.27,2021
R&S	Radio Communication Test	CMW 500	125470	Dec.11,2019	Dec.11,2020
Note: Instruments List of the original test report EN/2020/80008.					

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Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field Probe	EX3DV4	7466	Jan.29,2021	Jan.28,2022
SPEAG	System Validation Dipole	D2450V2	835	Jun.15,2020	Jun.14,2021
		D5GHzV2	1023	Jan.26,2021	Jan.25,2022
SPEAG	Data acquisition Electronics	DAE4	1260	Dec.16,2020	Dec.15,2021
SPEAG	Software	DASY 52 52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb.17,2021	Feb.16,2022
Agilent	Dual-directional coupler	772D	MY46151242	Aug.17,2020	Aug.16,2021
		778D	MY48220468	Aug.17,2020	Aug.16,2021
Agilent	Signal Generator	N5181A	MY50145142	Dec.27,2020	Dec.26,2021
Agilent	Power Meter	E4417A	MY52200004	Oct.18,2020	Oct.17,2021
Agilent	Power Sensor	E9301H	MY52240003	Oct.18,2020	Oct.17,2021
			MY52200003	Oct.18,2020	Oct.17,2021
TECPEL	Digital thermometer	DTM-303A	TP190085	Dec.22,2020	Dec.14,2021
KEYSIGHT	EXM Spectrum Analyzer	N9010B	MY59071571	Jun.27,2020	Jun.26,2021

Note:
Instruments List of the original test report EN/2021/40020.

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5. Measurements

Date: 2020/9/13

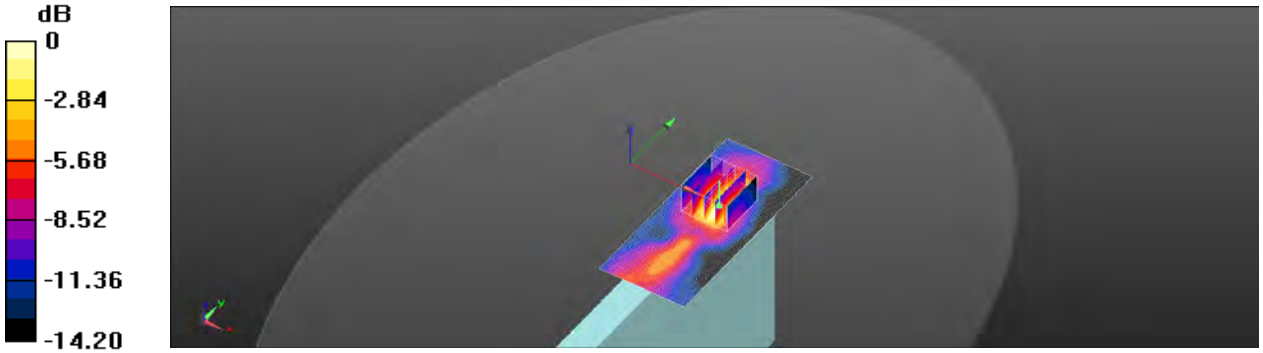
Report No. :EN/2020/80008

WCDMA Band II_Body_Top side_CH 9538_0mm_Reduced power

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 1908 MHz; σ = 1.466 S/m; ε_r = 41.187; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.7°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(7.95, 7.95, 7.95) @ 1907.6 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.487 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.431 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.511 W/kg
SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.183 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 70%
Maximum value of SAR (measured) = 0.463 W/kg



0 dB = 0.463 W/kg = -3.34 dBW/kg

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Date: 2020/9/12

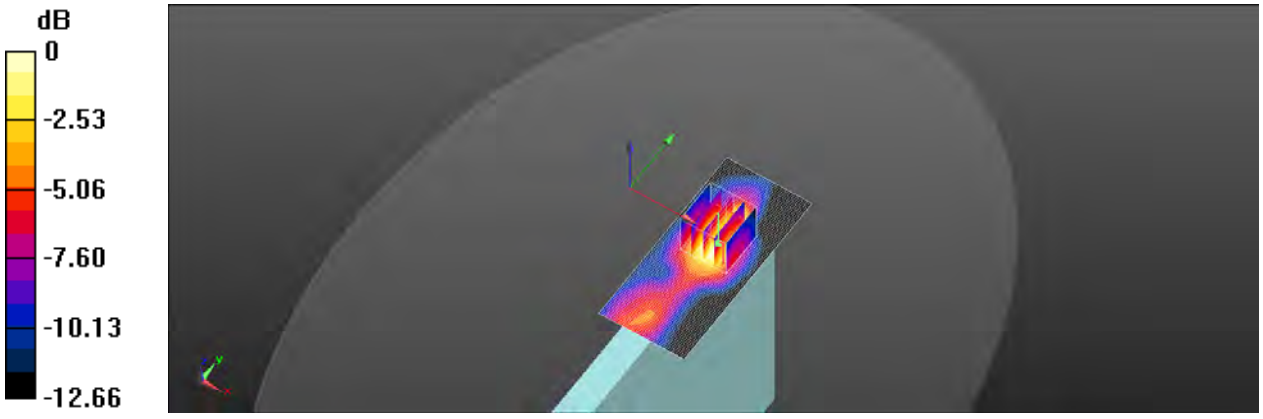
Report No. :EN/2020/80008

WCDMA Band IV_Body_Top side_CH 1312_0mm_Reduced power

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 1712.4 MHz; σ = 1.321 S/m; ε_r = 41.887; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.4°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(8.28, 8.28, 8.28) @ 1712.4 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): 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 = 9.641 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.495 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 77.4%
Maximum value of SAR (measured) = 0.997 W/kg



0 dB = 0.997 W/kg = -0.01 dBW/kg

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Date: 2020/9/9

Report No. :EN/2020/80008

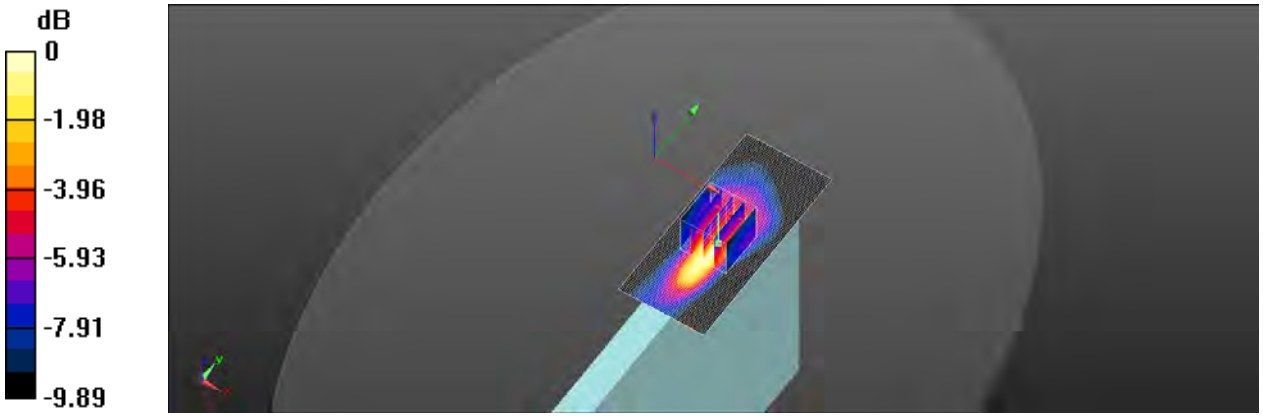
WCDMA Band V_Body_Top side_CH 4183_0mm_Reduced power

Communication System: WCDMA; Frequency: 836.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 837 MHz; σ = 0.875 S/m; ε_r = 42.023; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.1°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(9.52, 9.52, 9.52) @ 836.6 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.41 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.21 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.996 W/kg; SAR(10 g) = 0.606 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 63.6%
Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg = 1.46 dBW/kg

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Date: 2020/9/13

Report No. :EN/2020/80008

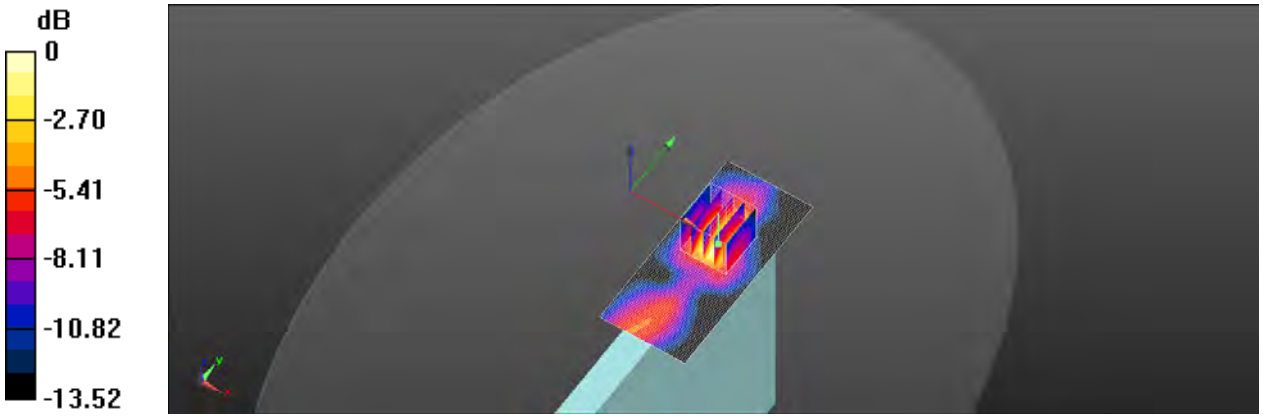
LTE Band 2 (20MHz)_Body_Top side_CH 18700_QPSK_1-0_0mm_Reduced power

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1
Medium parameters used: f = 1860 MHz; σ = 1.436 S/m; ε_r = 41.325; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.7°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(7.95, 7.95, 7.95) @ 1860 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.730 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.701 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.837 W/kg
SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.325 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 70%
Maximum value of SAR (measured) = 0.755 W/kg



0 dB = 0.755 W/kg = -1.22 dBW/kg

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Date: 2020/9/9

Report No. :EN/2020/80008

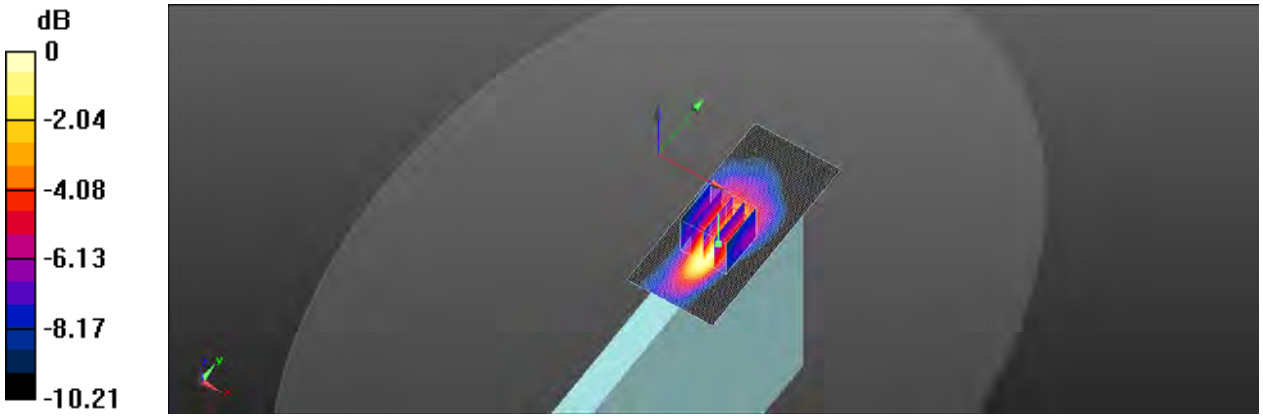
LTE Band 5 (10MHz)_Body_Top side_CH 20600_QPSK_1-0_0mm_Reduced power

Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1
Medium parameters used: f = 844 MHz; σ = 0.879 S/m; ε_r = 41.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.1°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(9.52, 9.52, 9.52) @ 844 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.16 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.71 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.528 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 64.7%
Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

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Date: 2020/9/24

Report No. :EN/2020/80008

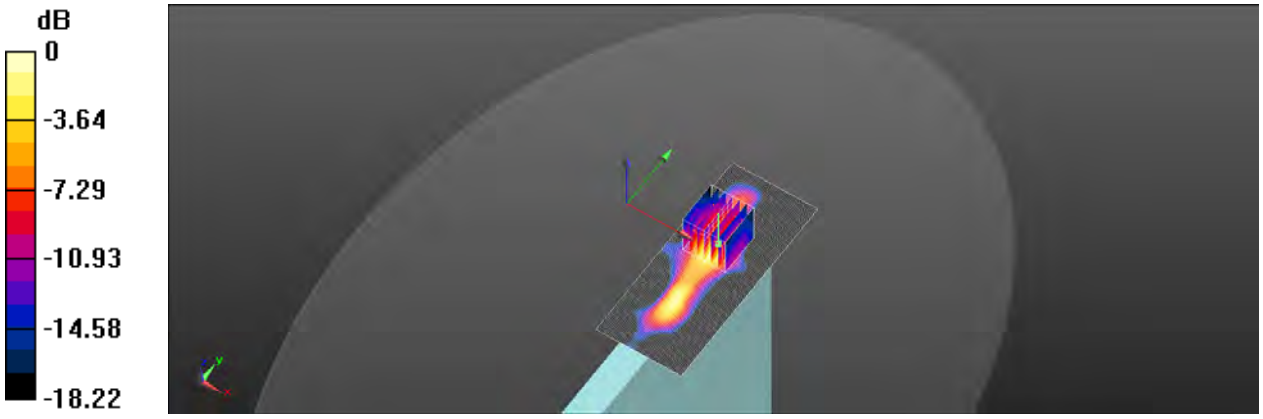
LTE Band 7 (20MHz)_Body_Top side_CH 21350_QPSK_1-0_0mm_Reduced power

Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.971 S/m; ε_r = 38.601; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2560 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.751 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.124 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.879 W/kg
SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.197 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 57.7%
Maximum value of SAR (measured) = 0.677 W/kg



0 dB = 0.677 W/kg = -1.69 dBW/kg

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Date: 2020/9/8

Report No. :EN/2020/80008

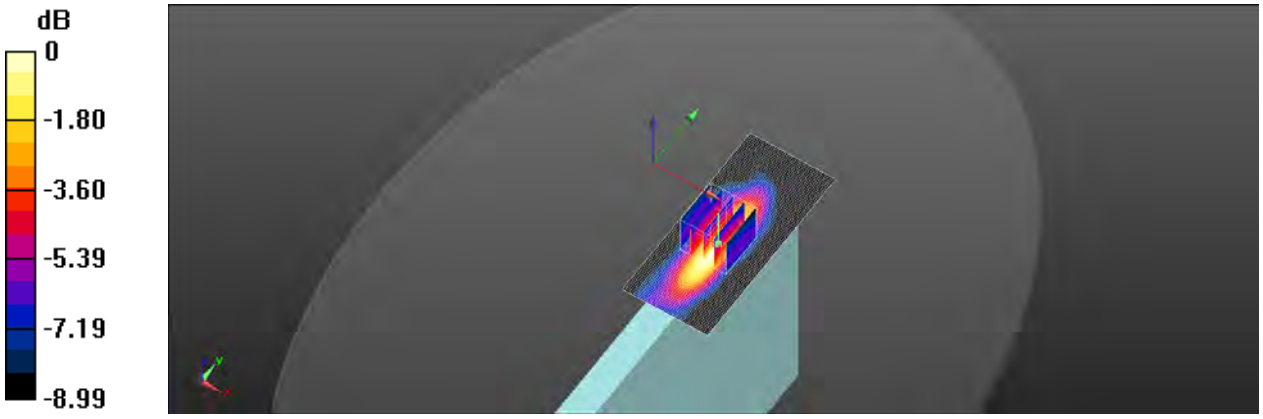
LTE Band 12 (10MHz)_Body_Top side_CH 23095_QPSK_1-0_0mm_Reduced power

Communication System: LTE; Frequency: 707.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.874 S/m; ε_r = 43.685; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.1°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(9.78, 9.78, 9.78) @ 707.5 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.09 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.520 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 61.6%
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

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Date: 2020/9/8

Report No. :EN/2020/80008

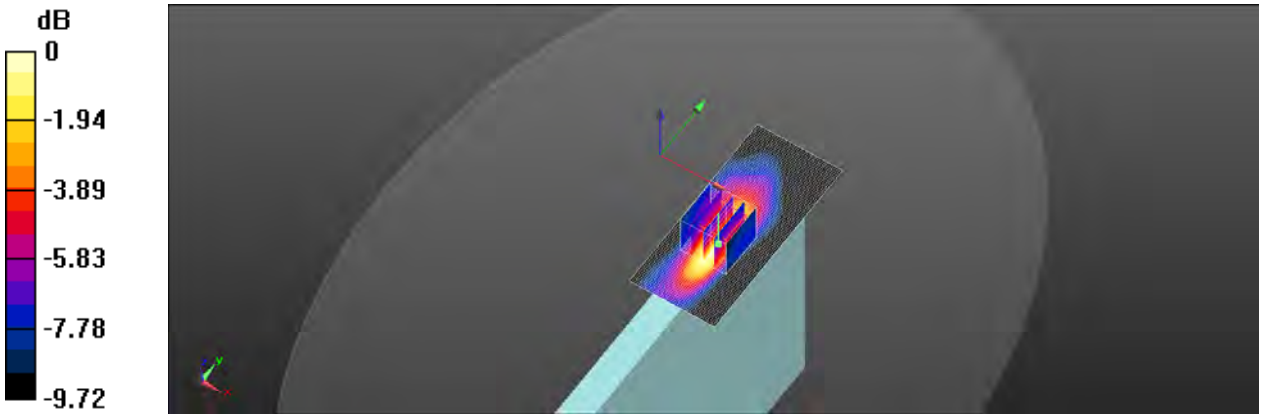
LTE Band 13 (10MHz)_Body_Top side_CH 23230_QPSK_1-25_0mm_Reduced power

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1
Medium parameters used: f = 782 MHz; σ = 0.901 S/m; ε_r = 42.872; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.1°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(9.78, 9.78, 9.78) @ 782 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.51 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.28 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.675 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 60.4%
Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

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Date: 2020/9/10

Report No. :EN/2020/80008

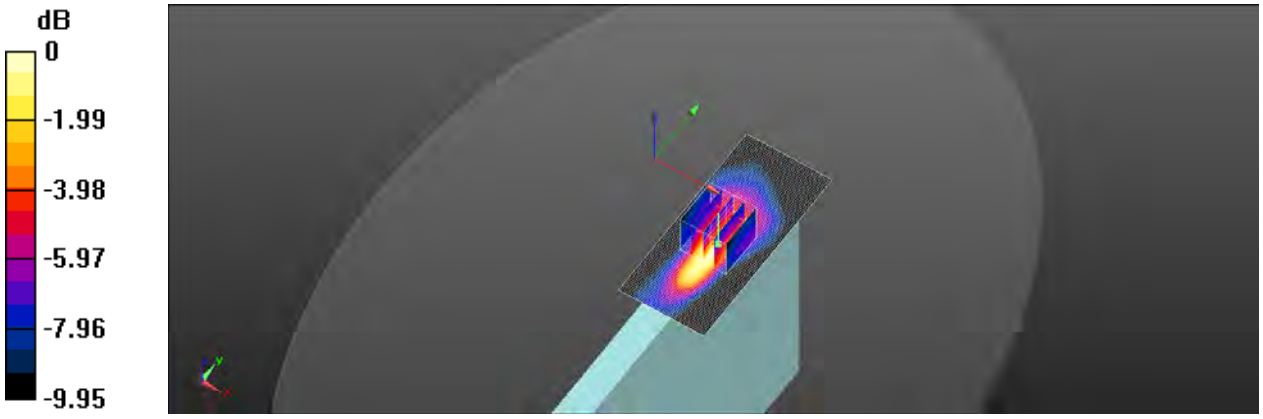
LTE Band 26 (15MHz)_Body_Top side_CH 26965_QPSK_1-0_0mm_Reduced power

Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.903 S/m; ε_r = 42.128; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(9.52, 9.52, 9.52) @ 841.5 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.58 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.13 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.680 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 62.9%
Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

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Date: 2020/9/14

Report No. :EN/2020/80008

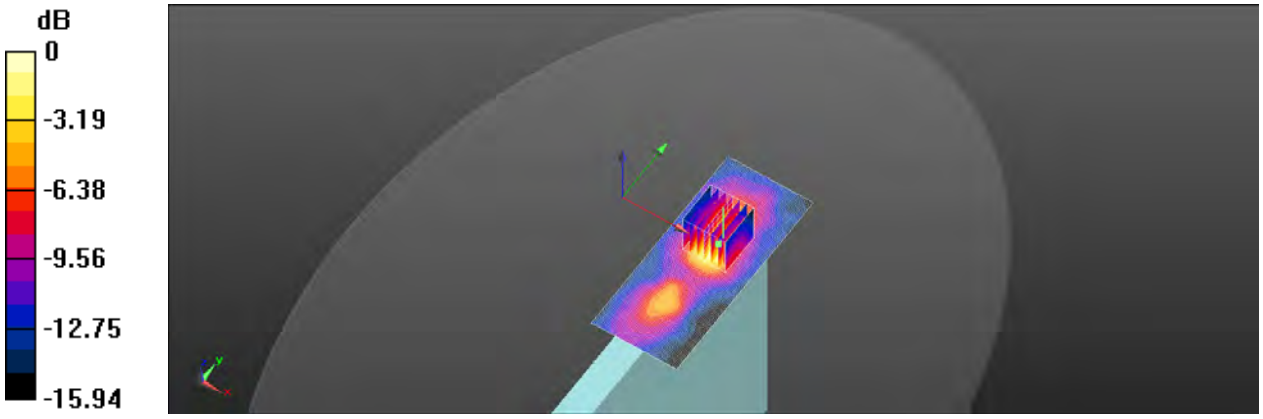
LTE Band 30 (10MHz)_Body_Top side_CH 27710_QPSK_1-49_0mm_Reduced power

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1
Medium parameters used: f = 2310 MHz; σ = 1.703 S/m; ε_r = 40.855; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(7.57, 7.57, 7.57) @ 2310 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.773 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.519 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.860 W/kg
SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.285 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 69.8%
Maximum value of SAR (measured) = 0.742 W/kg



0 dB = 0.742 W/kg = -1.30 dBW/kg

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Date: 2020/9/25

Report No. :EN/2020/80008

LTE Band 38 (20MHz)_Body_Top side_CH 38150_QPSK_1-0_0mm_Reduced power

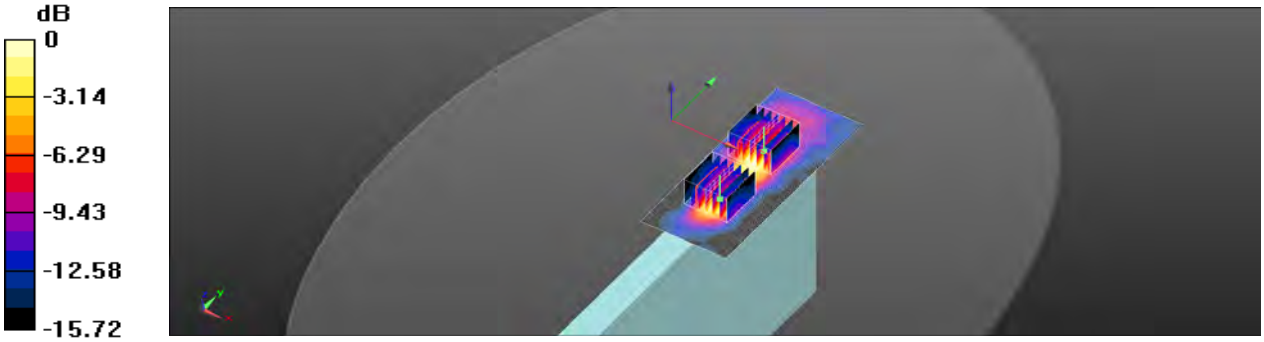
Communication System: LTE; Frequency: 2610 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2610 MHz; σ = 2.037 S/m; ε_r = 39.551; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.7°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2610 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.968 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.663 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.291 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 57.9%
Maximum value of SAR (measured) = 0.983 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.663 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.209 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.751 W/kg



0 dB = 0.751 W/kg = -1.24 dBW/kg

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Date: 2020/9/26

Report No. :EN/2020/80008

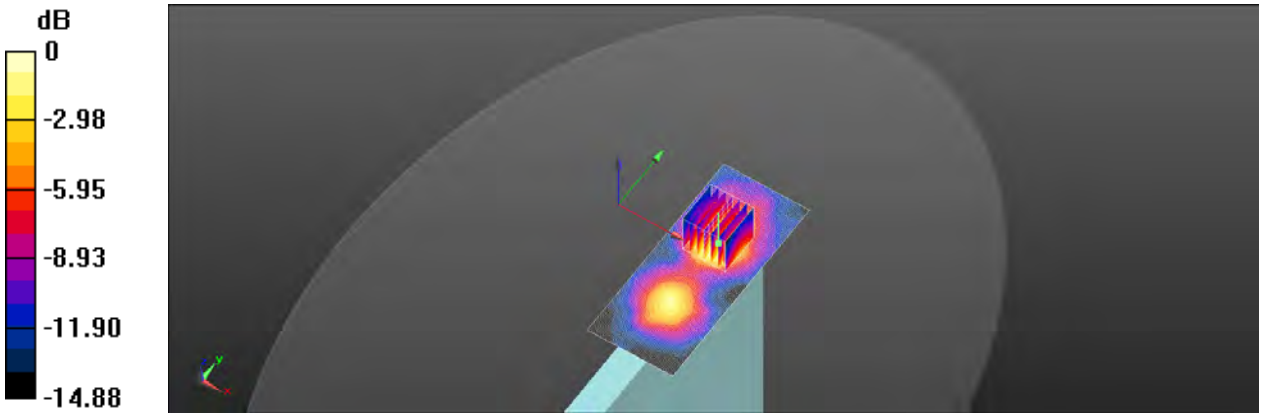
LTE Band 41 (20MHz)_Body_Top side_CH 41055_QPSK_1-0_12mm_Full power

Communication System: LTE; Frequency: 2636.5 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2636.5 MHz; σ = 1.968 S/m; ε_r = 39.605; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2636.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.938 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.145 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.886 W/kg
SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.361 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 73.8%
Maximum value of SAR (measured) = 0.801 W/kg



0 dB = 0.801 W/kg = -0.96 dBW/kg

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Date: 2020/9/12

Report No. :EN/2020/80008

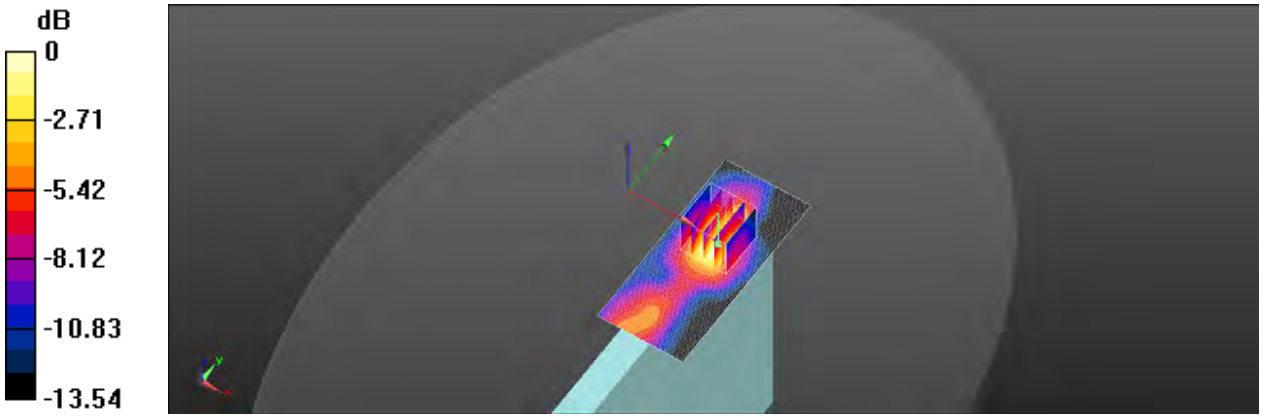
LTE Band 66 (20MHz)_Body_Top side_CH 132572_QPSK_1-0_0mm_Reduced power

Communication System: LTE; Frequency: 1770 MHz; Duty cycle= 1:1
Medium parameters used: f = 1770 MHz; σ = 1.381 S/m; ε_r = 41.631; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.4°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(8.28, 8.28, 8.28) @ 1770 MHz; Calibrated: 2020/8/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): 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 = 9.911 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.454 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 75.2%
Maximum value of SAR (measured) = 0.975 W/kg



0 dB = 0.975 W/kg = -0.11 dBW/kg

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Date: 2020/10/2

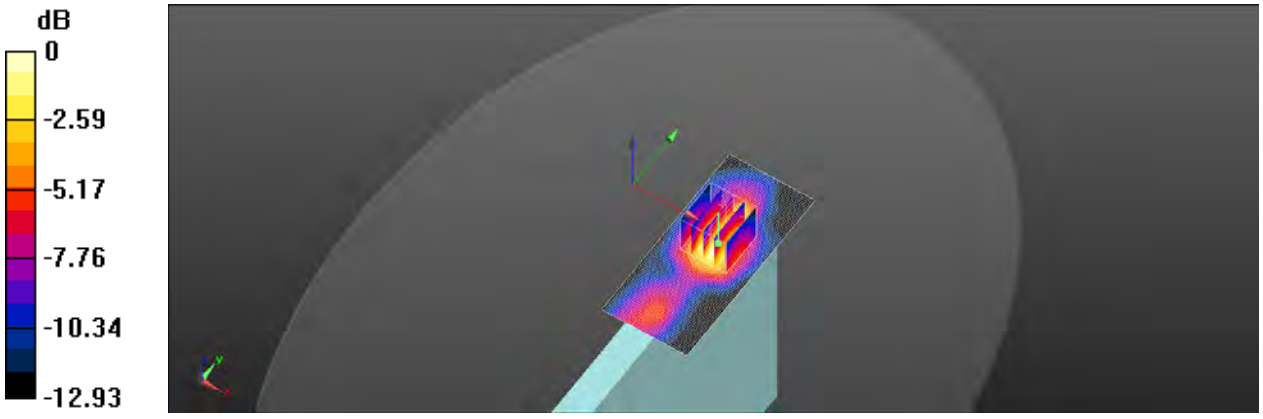
Report No. :EN/2020/80008

WCDMA Band II_Body_Top side_CH 9538_0mm_Reduced poewr

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 1908 MHz; σ = 1.461 S/m; ε_r = 41.188; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1907.6 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.946 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.751 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.899 W/kg
SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.389 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 73.6%
Maximum value of SAR (measured) = 0.813 W/kg



0 dB = 0.813 W/kg = -0.90 dBW/kg

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Date: 2020/10/1

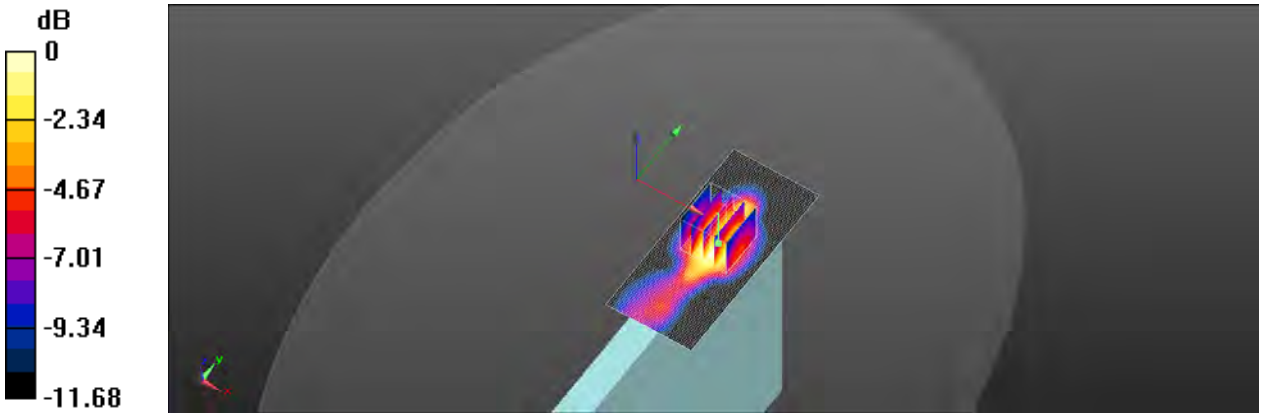
Report No. :EN/2020/80008

WCDMA Band IV_Body_Top side_CH 1312_0mm_Reduced poewr

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 1712.4 MHz; σ = 1.321 S/m; ε_r = 41.887; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.5°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1712.4 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.36 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.847 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.603 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 78.7%
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

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Date: 2020/9/28

Report No. :EN/2020/80008

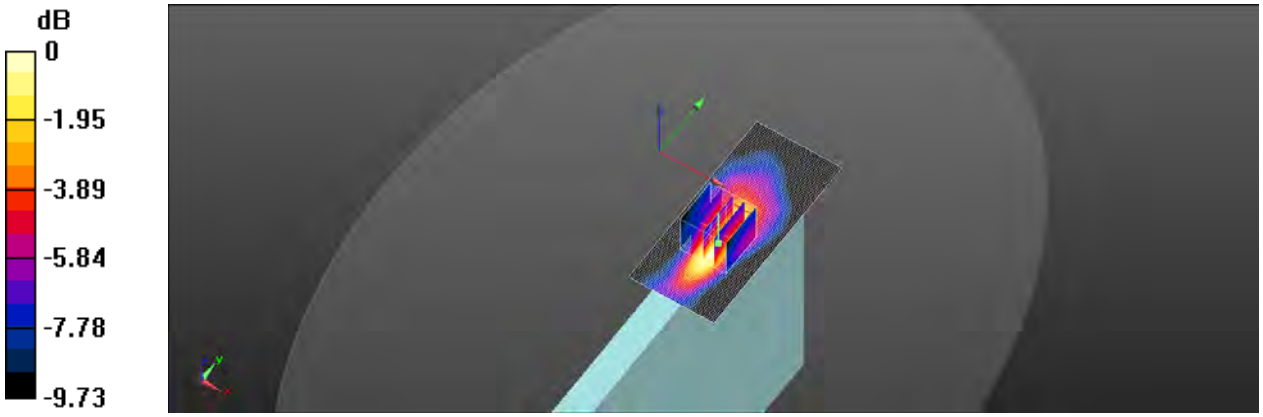
WCDMA Band V_Body_Top side_CH 4183_0mm_Reduced poewr

Communication System: WCDMA; Frequency: 836.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 837 MHz; σ = 0.869 S/m; ε_r = 42.259; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 836.6 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.29 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.43 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.598 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 64.9%
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

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Date: 2020/10/2

Report No. :EN/2020/80008

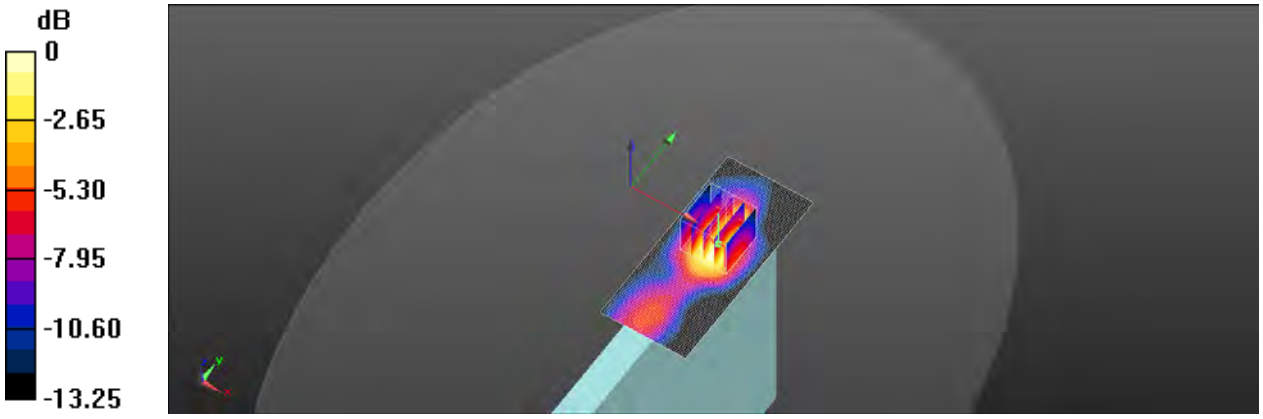
LTE Band 2 (20MHz)_Body_Top side_CH 18700_QPSK_1-0_0mm_Reduced poewr

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1
Medium parameters used: f = 1860 MHz; σ = 1.459 S/m; ε_r = 41.365; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1860 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.616 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.751 W/kg; SAR(10 g) = 0.449 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 73%
Maximum value of SAR (measured) = 0.934 W/kg



0 dB = 0.934 W/kg = -0.30 dBW/kg

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Date: 2020/9/28

Report No. :EN/2020/80008

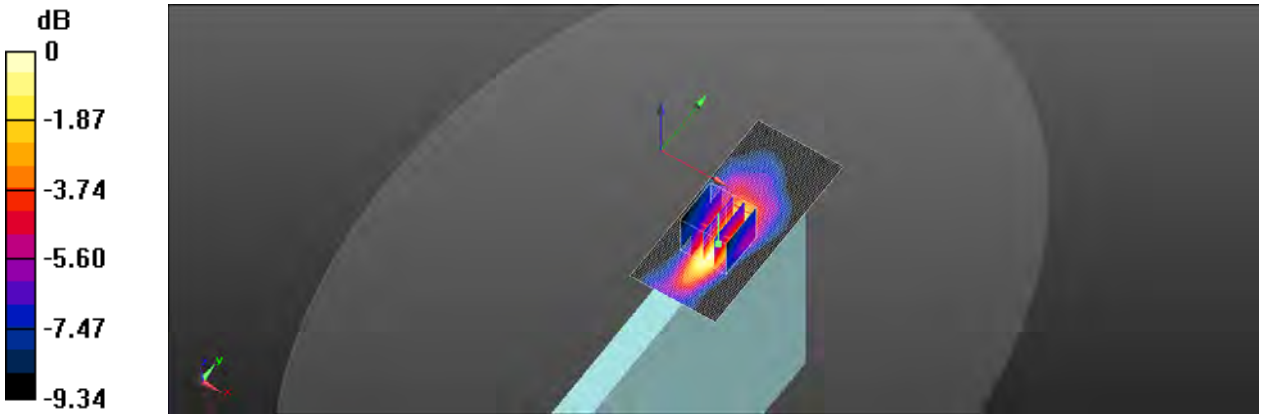
LTE Band 5 (10MHz)_Body_Top side_CH 20600_QPSK_1-0_0mm_Reduced poewr

Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1
Medium parameters used: f = 844 MHz; σ = 0.879 S/m; ε_r = 42.217; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 844 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.27 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.699 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 65.9%
Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

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Date: 2020/10/4

Report No. :EN/2020/80008

LTE Band 7 (20MHz)_Body_Top side_CH 21350_QPSK_1-0_0mm_Reduced poewr

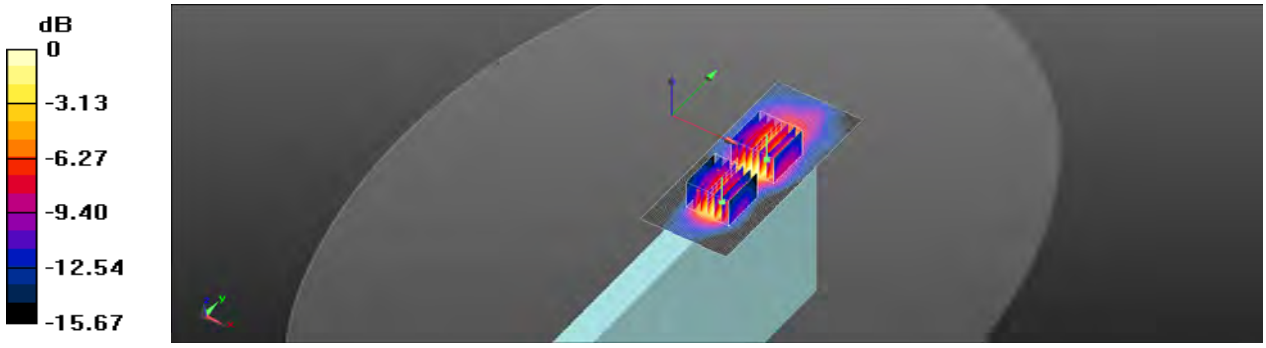
Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.956 S/m; ε_r = 38.761; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2560 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.26 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.213 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.417 W/kg
Smallest distance from peaks to all points 3 dB below = 7.8 mm
Ratio of SAR at M2 to SAR at M1 = 71.6%
Maximum value of SAR (measured) = 1.11 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.213 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.985 W/kg
SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.290 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 68.4%
Maximum value of SAR (measured) = 0.872 W/kg



0 dB = 0.872 W/kg = -0.59 dBW/kg

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Date: 2020/9/27

Report No. :EN/2020/80008

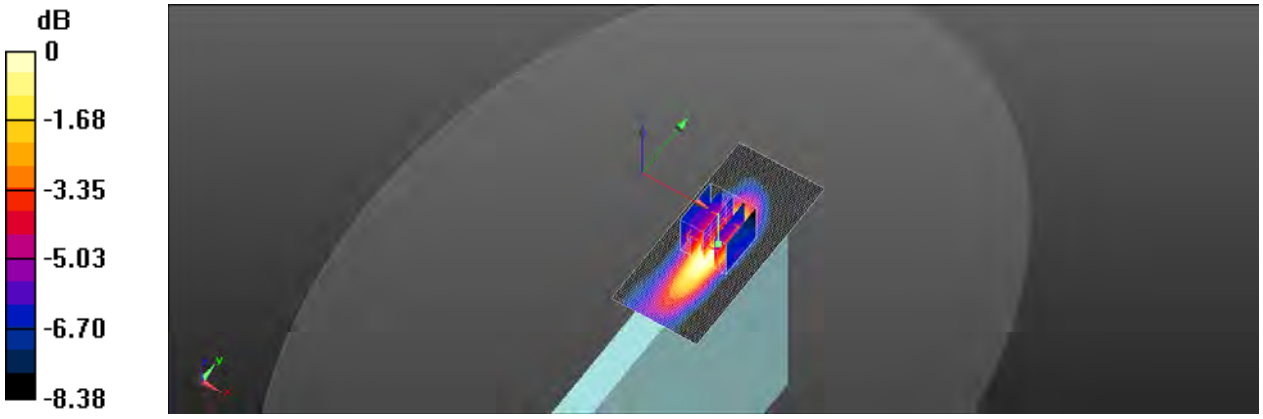
LTE Band 12 (10MHz)_Body_Top side_CH 23060_QPSK_1-0_0mm_Reduced poewr

Communication System: LTE; Frequency: 704 MHz; Duty cycle= 1:1
Medium parameters used: f = 704 MHz; σ = 0.868 S/m; ε_r = 43.777; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 704 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.05 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.512 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 63.6%
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

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Date: 2020/9/27

Report No. :EN/2020/80008

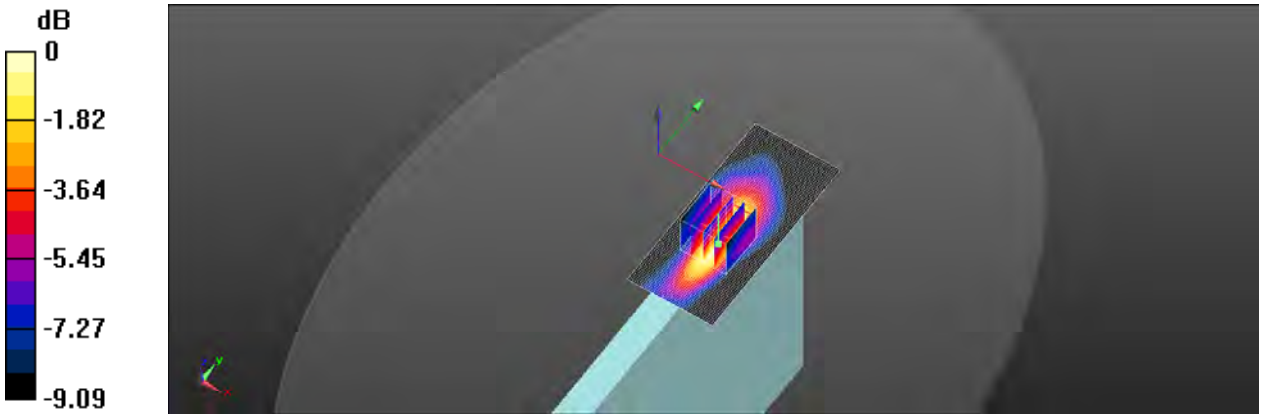
LTE Band 13 (10MHz)_Body_Top side_CH 23230_QPSK_1-25_0mm_Reduced poewr

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1
Medium parameters used: f = 782 MHz; σ = 0.901 S/m; ε_r = 42.837; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 782 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.42 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.74 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.699 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 65.4%
Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

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Date: 2020/9/29

Report No. :EN/2020/80008

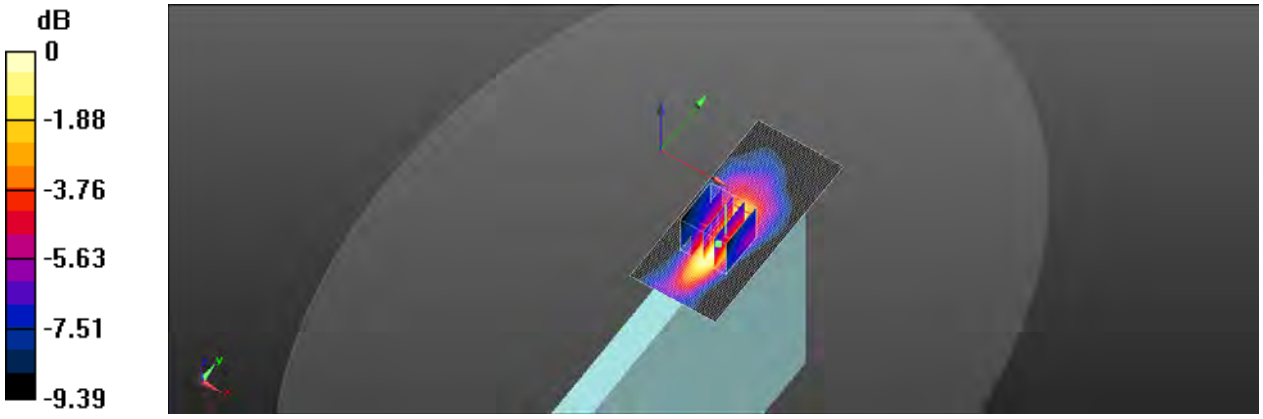
LTE Band 26 (15MHz)_Body_Top side_CH 26865_QPSK_1-0_0mm_Reduced poewr

Communication System: LTE; Frequency: 831.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 831.5 MHz; σ = 0.893 S/m; ε_r = 42.166; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 22.3°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 831.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.40 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.52 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.646 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 67%
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

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Date: 2020/10/3

Report No. :EN/2020/80008

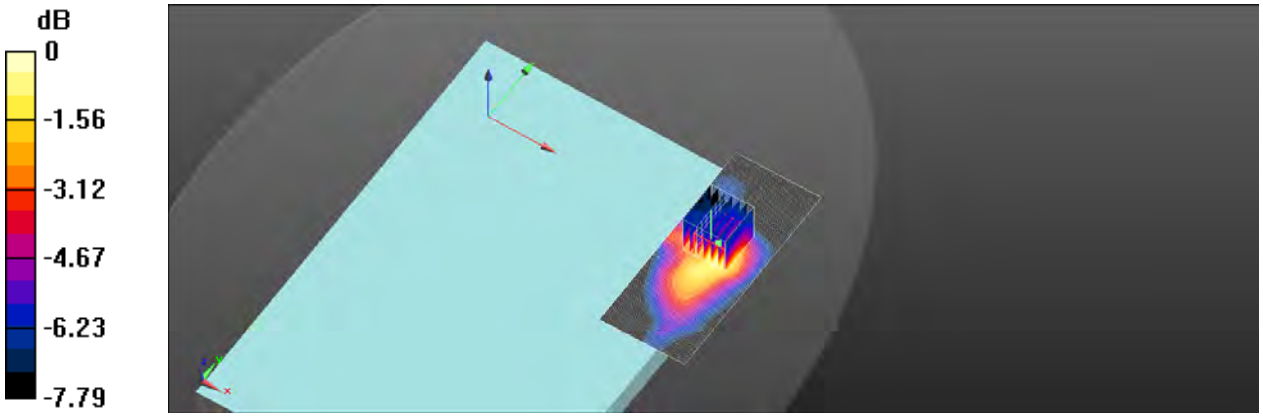
LTE Band 30 (10MHz)_Body_Back side_CH 27710_QPSK_1-0_0mm_Ful power

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1
Medium parameters used: f = 2310 MHz; σ = 1.703 S/m; ε_r = 40.855; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.09°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.67, 7.67, 7.67) @ 2310 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.219 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.274 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.102 W/kg
Smallest distance from peaks to all points 3 dB below = 10.3 mm
Ratio of SAR at M2 to SAR at M1 = 61.2%
Maximum value of SAR (measured) = 0.200 W/kg



0 dB = 0.200 W/kg = -6.99 dBW/kg

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Date: 2020/10/5

Report No. :EN/2020/80008

LTE Band 38 (20MHz)_Body_Top side_CH 38150_QPSK_1-0_0mm_Reduced poewr

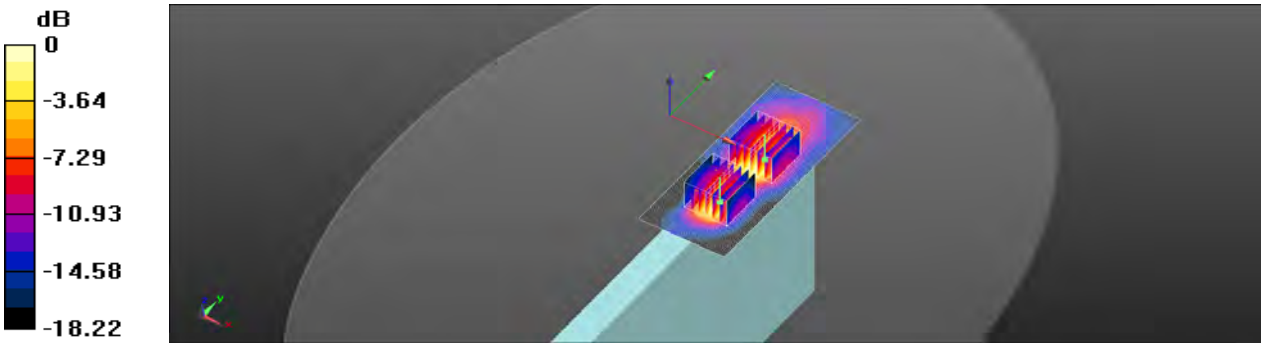
Communication System: LTE; Frequency: 2610 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2610 MHz; σ = 1.891 S/m; ε_r = 38.101; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.1°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2610 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.988 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.981 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.309 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 67.3%
Maximum value of SAR (measured) = 0.887 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.981 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.915 W/kg
SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.241 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 64.9%
Maximum value of SAR (measured) = 0.784 W/kg



0 dB = 0.784 W/kg = -1.06 dBW/kg

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Date: 2020/10/6

Report No. :EN/2020/80008

LTE Band 41 (20MHz)_Body_Top side_CH 41055_QPSK_1-0_0mm_Reduced poewr

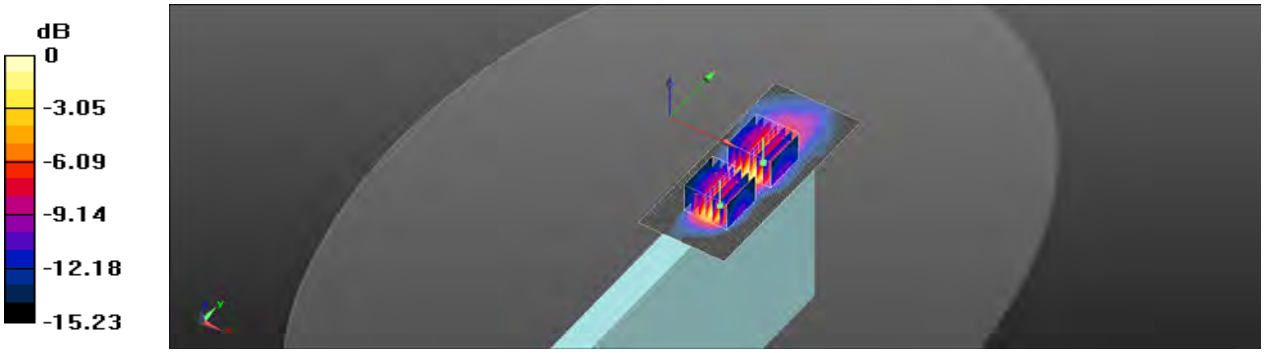
Communication System: LTE; Frequency: 2636.5 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2636.5 MHz; σ = 1.956 S/m; ε_r = 38.629; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2636.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.637 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.362 W/kg
Smallest distance from peaks to all points 3 dB below = 8.7 mm
Ratio of SAR at M2 to SAR at M1 = 68.4%
Maximum value of SAR (measured) = 0.990 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.637 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.308 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 66.3%
Maximum value of SAR (measured) = 0.964 W/kg



0 dB = 0.964 W/kg = -0.16 dBW/kg

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Date: 2020/10/1

Report No. :EN/2020/80008

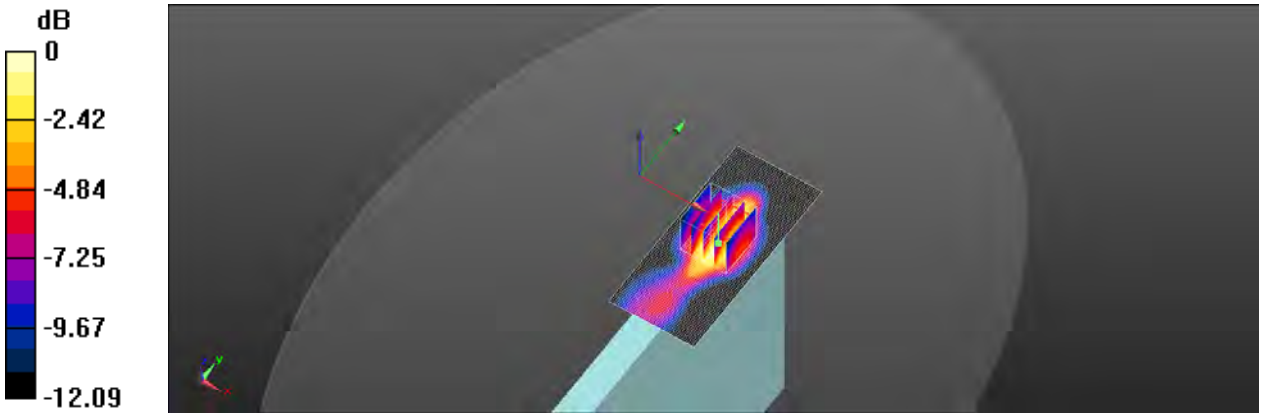
LTE Band 66 (20MHz)_Body_Top side_CH 132072_QPSK_1-0_0mm_Reduced power

Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1
Medium parameters used: f = 1720 MHz; σ = 1.331 S/m; ε_r = 41.815; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.5°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1720 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.998 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.583 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 73.2%
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

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Date: 2021/5/5

Report No. :EN/2021/40020

WLAN 802.11b, Body, Top Edge, CH 6, Main, 0mm

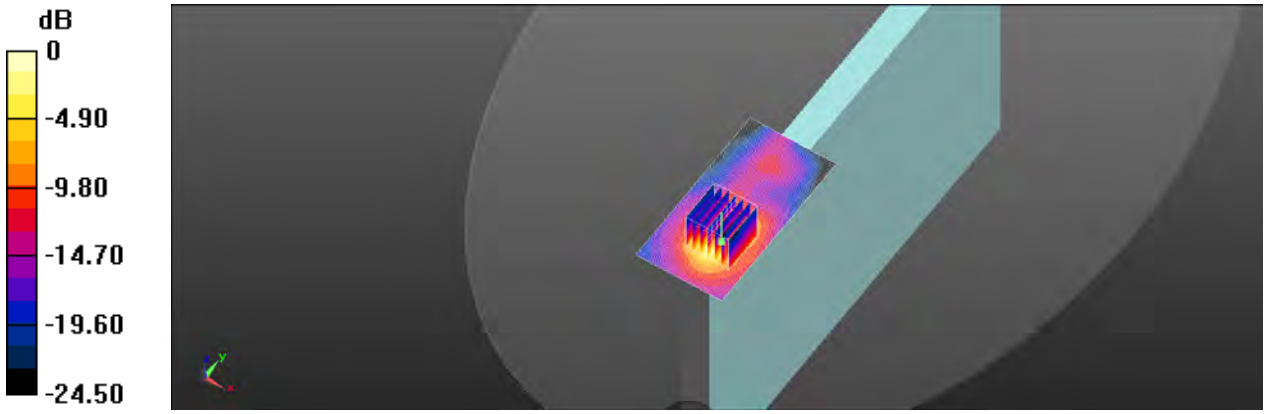
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.018
Medium parameters used: f = 2437 MHz; σ = 1.727 S/m; ε_r = 39.755; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2437 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- 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) = 0.700 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.944 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.142 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 38.8%
Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg = -1.52 dBW/kg

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Date: 2021/5/6

Report No. :EN/2021/40020

WLAN 802.11n(40M) 5.2G, Body, Left Edge, CH 38, Main, 0mm

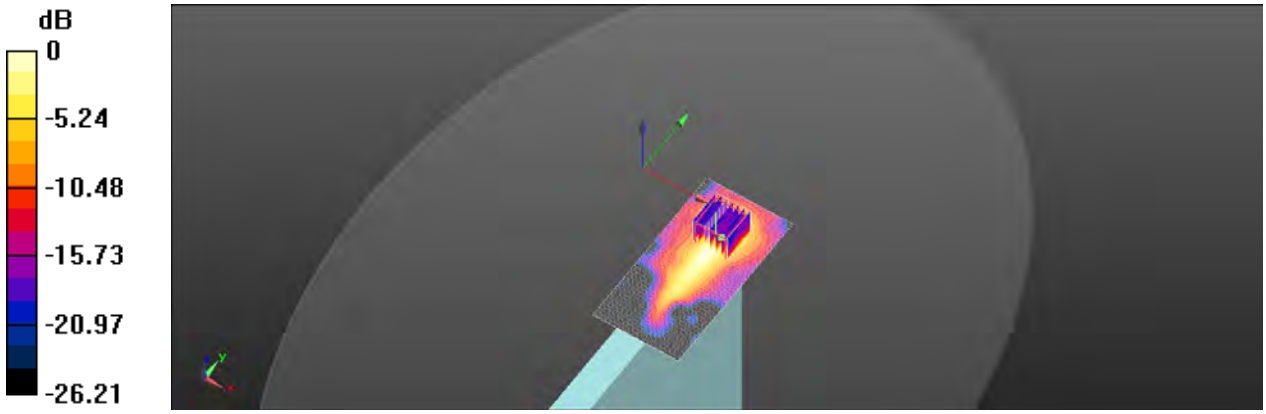
Communication System: WLAN 5G; Frequency: 5190 MHz; Duty cycle= 1:1.040
Medium parameters used: f = 5190 MHz; σ = 4.606 S/m; ε_r = 37.081; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5190 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.331 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.694 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.581 W/kg
SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.053 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 53.5%
Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.07 dBW/kg

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Date: 2021/5/7

Report No. :EN/2021/40020

WLAN 802.11n(40M) 5.3G, Body, Left Edge, CH 54, Main, 0mm

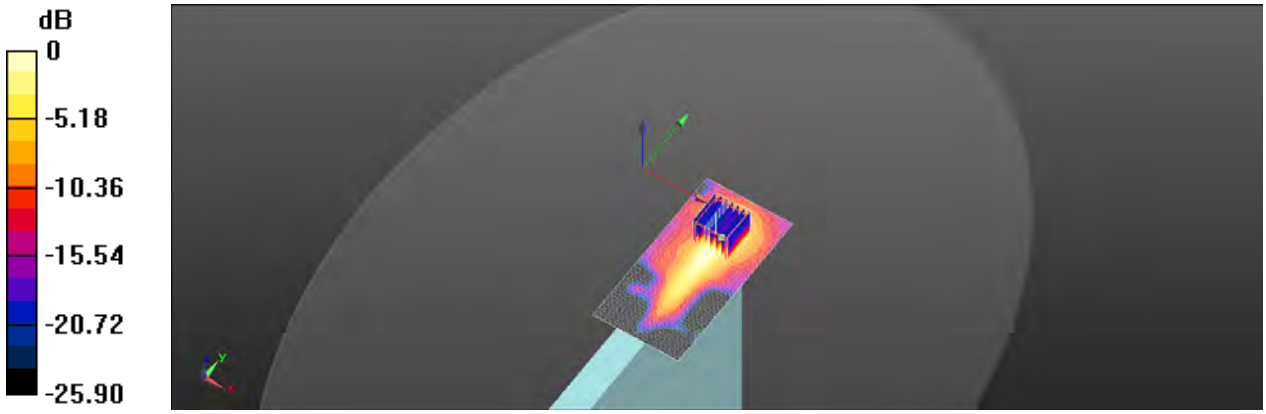
Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.040
Medium parameters used: f = 5270 MHz; σ = 4.708 S/m; ε_r = 36.873; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5270 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.507 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.589 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.085 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 52.4%
Maximum value of SAR (measured) = 0.494 W/kg



0 dB = 0.494 W/kg = -3.06 dBW/kg

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Date: 2021/5/8

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.6G, Body, Top Edge, CH 138, Main, 0mm

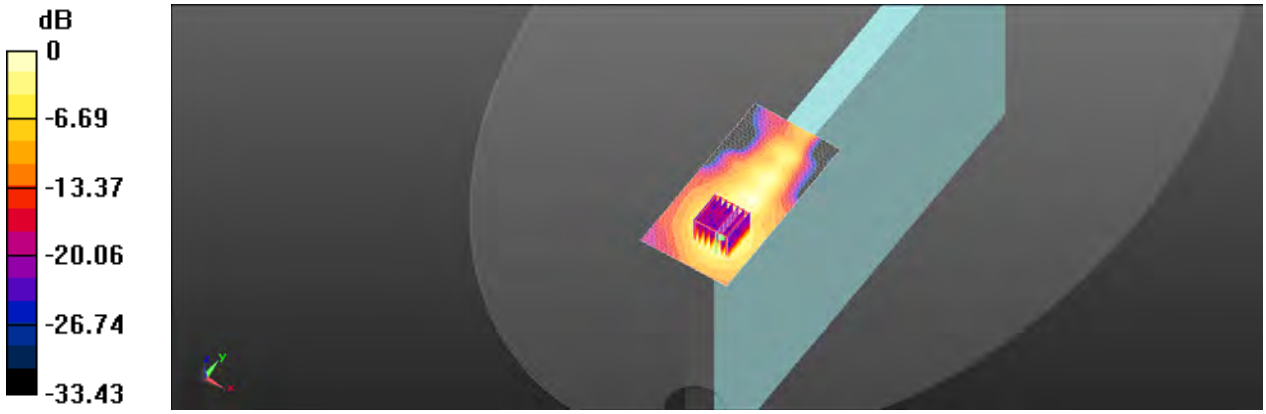
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.073
Medium parameters used: f = 5690 MHz; σ = 5.214 S/m; ε_r = 35.912; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5690 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.450 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.633 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 3.08 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.075 W/kg
Smallest distance from peaks to all points 3 dB below = 5.9 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg = -2.36 dBW/kg

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Date: 2021/5/9

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.8G, Body, Top Edge, CH 155, Main, 0mm

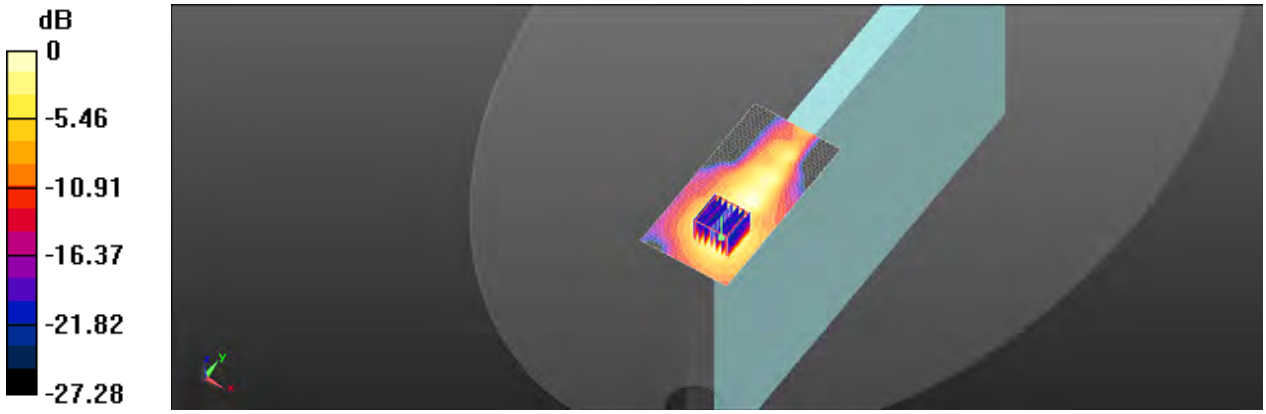
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.073
Medium parameters used: f = 5775 MHz; σ = 5.314 S/m; ε_r = 35.728; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5775 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.468 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.536 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.083 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 48.4%
Maximum value of SAR (measured) = 0.511 W/kg



0 dB = 0.511 W/kg = -2.92 dBW/kg

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Date: 2021/5/5

Report No. :EN/2021/40020

WLAN 802.11b, Body, Back Surface, CH 1, Aux, 0mm

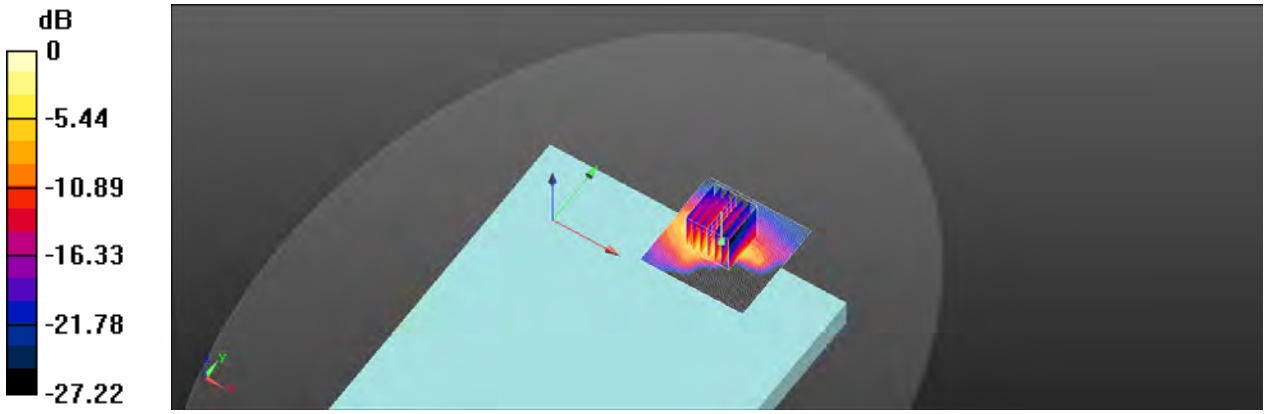
Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.011
Medium parameters used: f = 2412 MHz; σ = 1.707 S/m; ε_r = 39.821; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2412 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.11 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.312 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.250 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 46.2%
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

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Date: 2021/5/5

Report No. :EN/2021/40020

Bluetooth(GFSK)_Body, Back Surface_CH 0_0mm

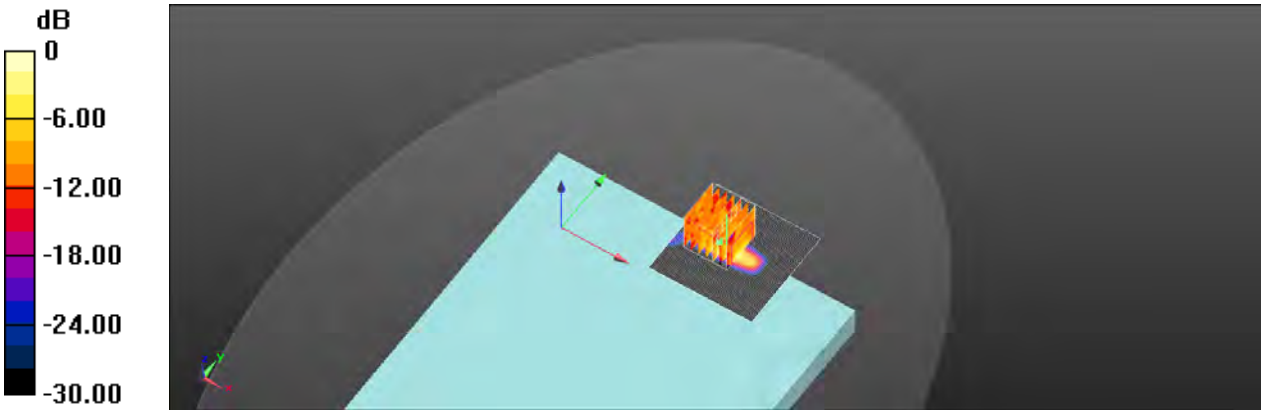
Communication System: Bluetooth; Frequency: 2402 MHz; Duty cycle= 1:1.427
Medium parameters used: f = 2402 MHz; σ = 1.699 S/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2402 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0151 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.091 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0560 W/kg
SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00344 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 42.9%
Maximum value of SAR (measured) = 0.0160 W/kg



0 dB = 0.0160 W/kg = -17.96 dBW/kg

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Date: 2021/5/6

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.2G, Body, Back Surface, CH 42, Aux, 0mm

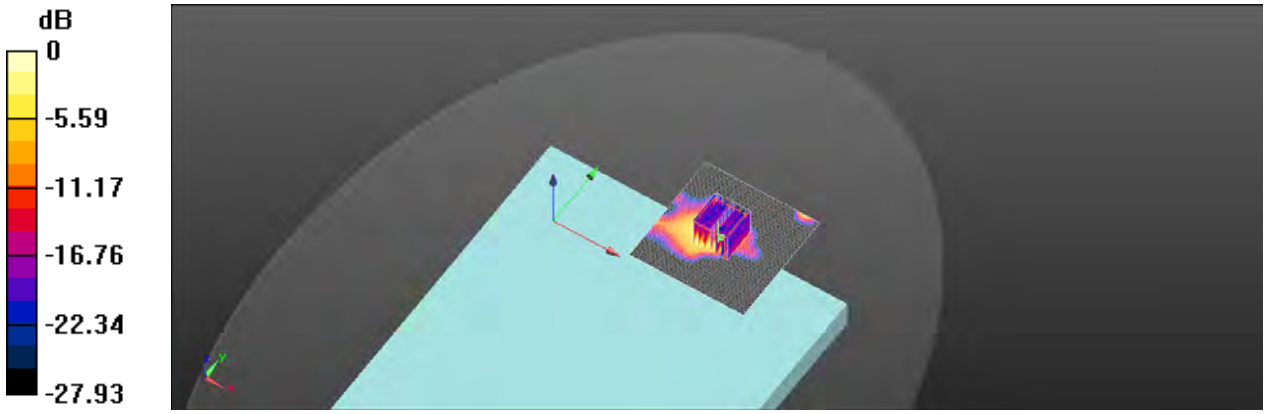
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5210 MHz; σ = 4.628 S/m; ε_r = 37.032; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5210 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.279 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.457 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.814 W/kg
SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.032 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 53.8%
Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

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Date: 2021/5/7

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.3G, Body, Back Surface, CH 58, Aux, 0mm

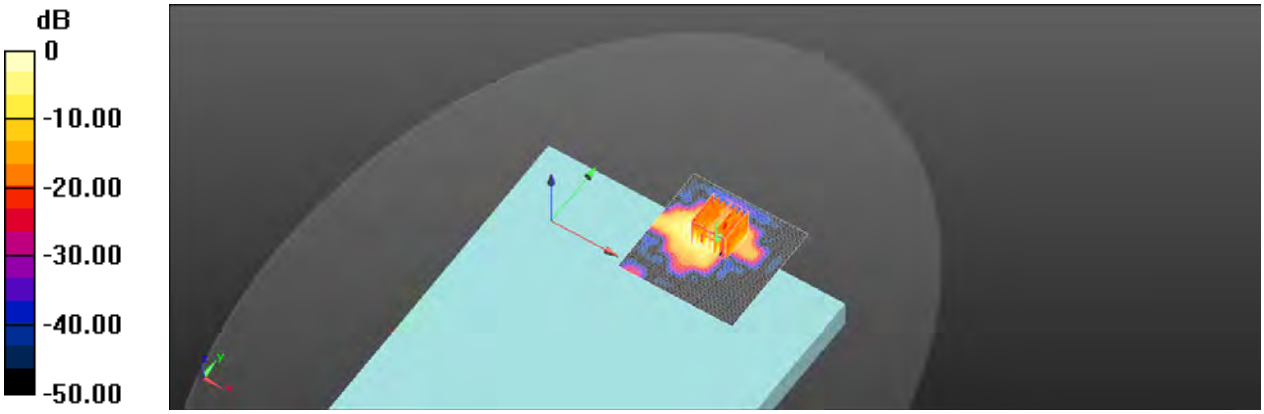
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5290 MHz; σ = 4.744 S/m; ε_r = 36.811; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5290 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.190 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.512 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.395 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.020 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 52.4%
Maximum value of SAR (measured) = 0.221 W/kg



0 dB = 0.221 W/kg = -6.56 dBW/kg

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Date: 2021/5/8

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.6G, Body, Back Surface, CH 122, Aux, 0mm

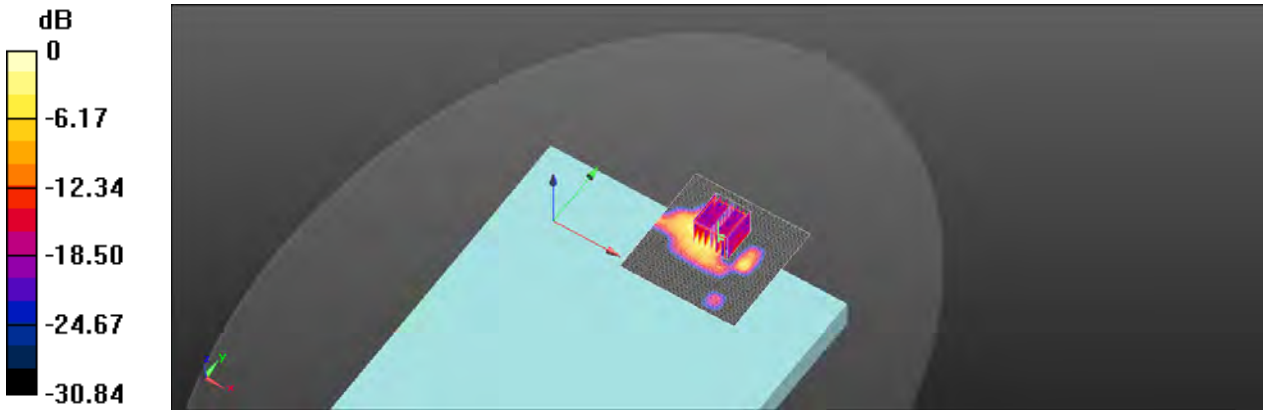
Communication System: WLAN 5G; Frequency: 5610 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5610 MHz; σ = 5.122 S/m; ε_r = 36.047; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5610 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.351 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.413 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.621 W/kg
SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below = 5.2 mm
Ratio of SAR at M2 to SAR at M1 = 50.4%
Maximum value of SAR (measured) = 0.328 W/kg



0 dB = 0.328 W/kg = -4.84 dBW/kg

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Date: 2021/5/9

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.8G, Body, Back Surface, CH 155, Aux, 0mm

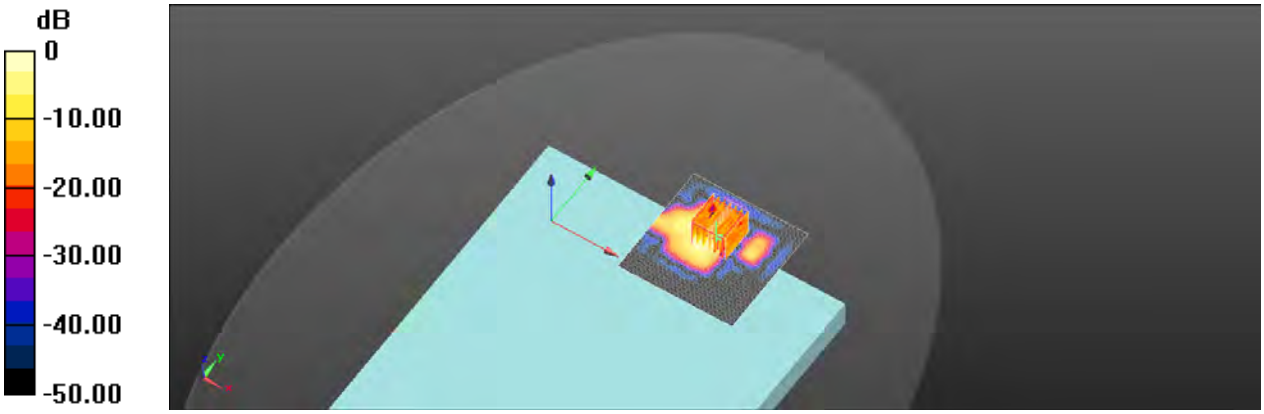
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5775 MHz; σ = 5.314 S/m; ε_r = 35.728; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5775 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.261 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.798 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.448 W/kg
SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.020 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 49.3%
Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg = -6.22 dBW/kg

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Date: 2021/5/5

Report No. :EN/2021/40020

WLAN 802.11b, Body, Bottom Surface, CH 6, Aux, 0mm

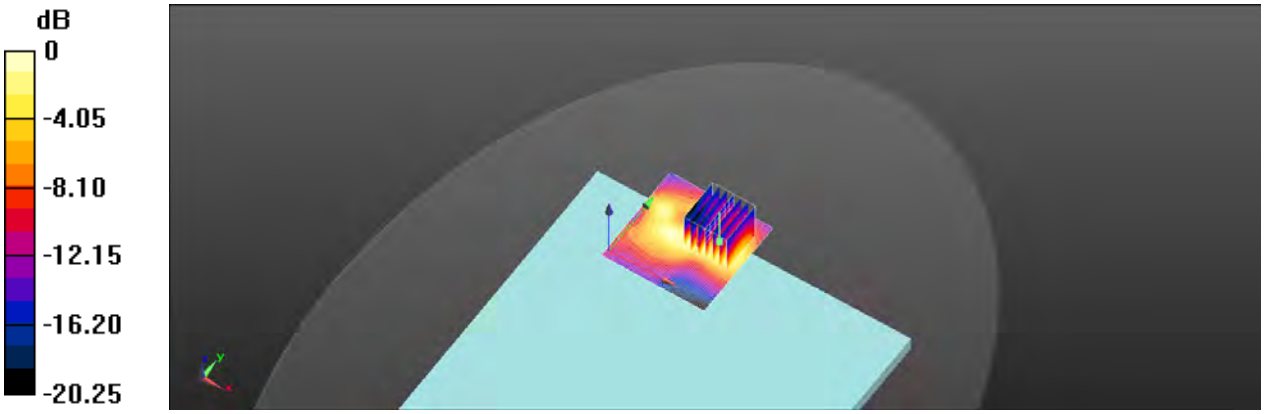
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.011
Medium parameters used: f = 2437 MHz; σ = 1.727 S/m; ε_r = 39.755; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2437 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.624 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.611 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.884 W/kg
SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.213 W/kg
Smallest distance from peaks to all points 3 dB below = 10.2 mm
Ratio of SAR at M2 to SAR at M1 = 51.8%
Maximum value of SAR (measured) = 0.621 W/kg



0 dB = 0.621 W/kg = -2.07 dBW/kg

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Date: 2021/5/5

Report No. :EN/2021/40020

Bluetooth(GFSK), Body, Bottom Surface, CH 0, 0mm

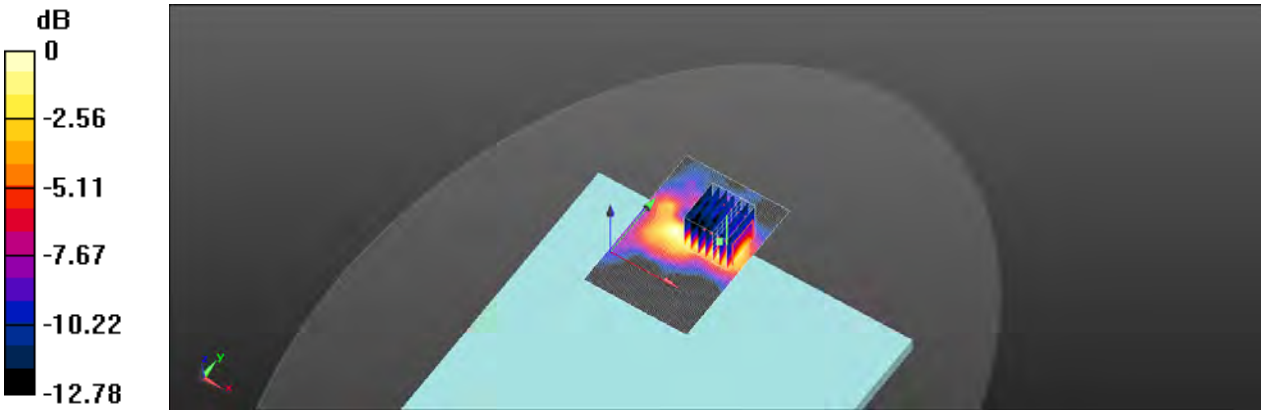
Communication System: Bluetooth; Frequency: 2402 MHz; Duty cycle= 1:1.427
Medium parameters used: f = 2402 MHz; σ = 1.699 S/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2402 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0622 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.648 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0790 W/kg
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.020 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 53.1%
Maximum value of SAR (measured) = 0.0559 W/kg



0 dB = 0.0559 W/kg = -12.53 dBW/kg

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Date: 2021/5/6

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.2G, Body, Bottom Surface, CH 42, Aux, 0mm

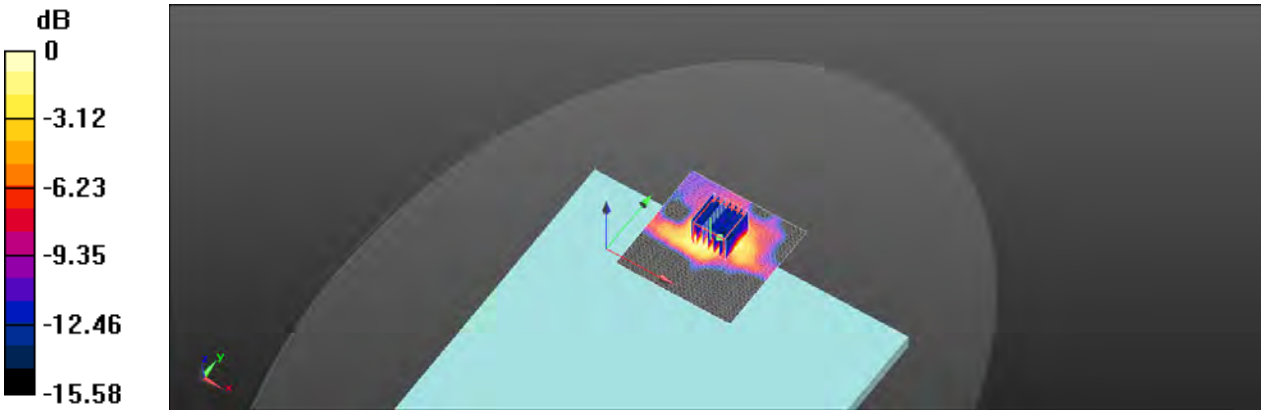
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5210 MHz; σ = 4.628 S/m; ε_r = 37.032; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5210 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.151 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.574 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.035 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 58.3%
Maximum value of SAR (measured) = 0.170 W/kg



0 dB = 0.170 W/kg = -7.70 dBW/kg

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Date: 2021/5/7

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.3G, Body, Bottom Surface, CH 58, Aux, 0mm

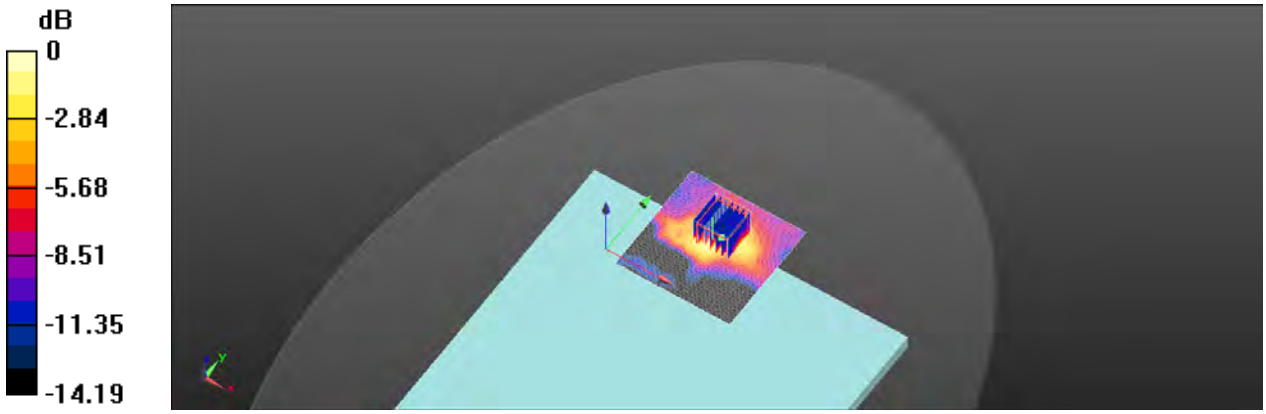
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5290 MHz; σ = 4.744 S/m; ε_r = 36.811; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5290 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.117 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.529 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.026 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 57.9%
Maximum value of SAR (measured) = 0.115 W/kg



0 dB = 0.115 W/kg = -9.39 dBW/kg

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Date: 2021/5/8

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.6G, Body, Bottom Surface, CH 138, Aux, 0mm

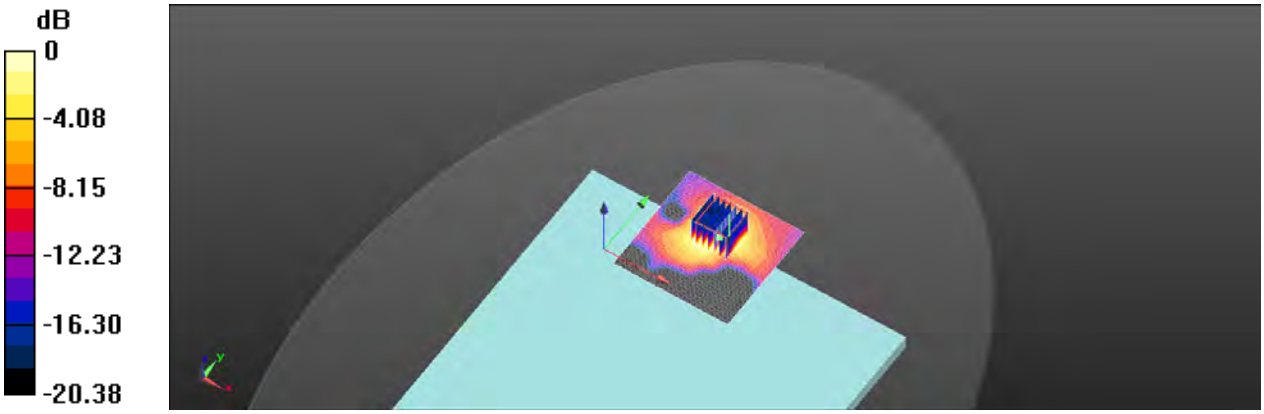
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5690 MHz; σ = 5.214 S/m; ε_r = 35.912; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5690 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.581 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.829 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.109 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.6%
Maximum value of SAR (measured) = 0.571 W/kg



0 dB = 0.571 W/kg = -2.43 dBW/kg

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Date: 2021/5/9

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.8G, Body, Bottom Surface, CH 155, Aux, 0mm

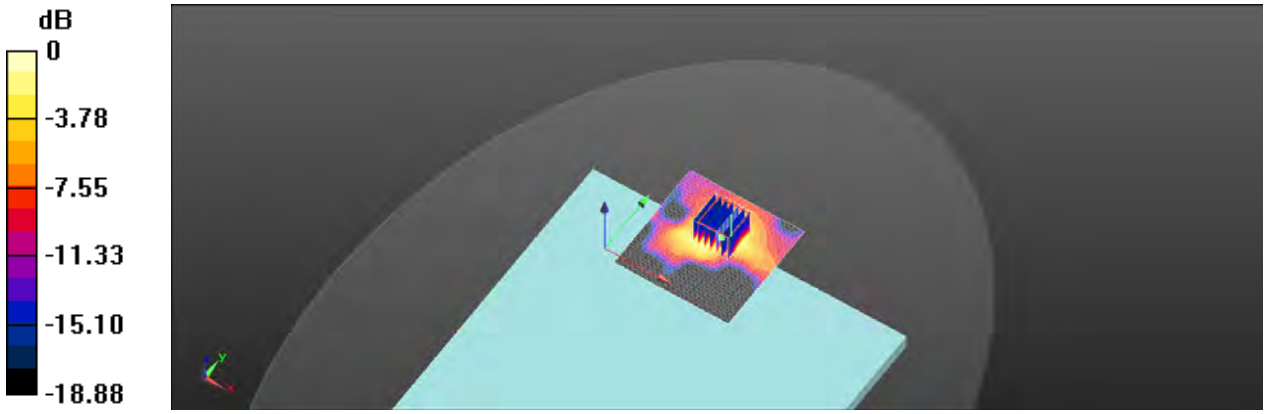
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5775 MHz; σ = 5.314 S/m; ε_r = 35.728; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5775 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.403 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.604 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.853 W/kg
SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.073 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 53.7%
Maximum value of SAR (measured) = 0.371 W/kg



0 dB = 0.371 W/kg = -4.31 dBW/kg

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Date: 2021/5/10

Report No. :EN/2021/40020

WLAN 802.11b, Body, Left Edge, CH 6, Main, 0mm

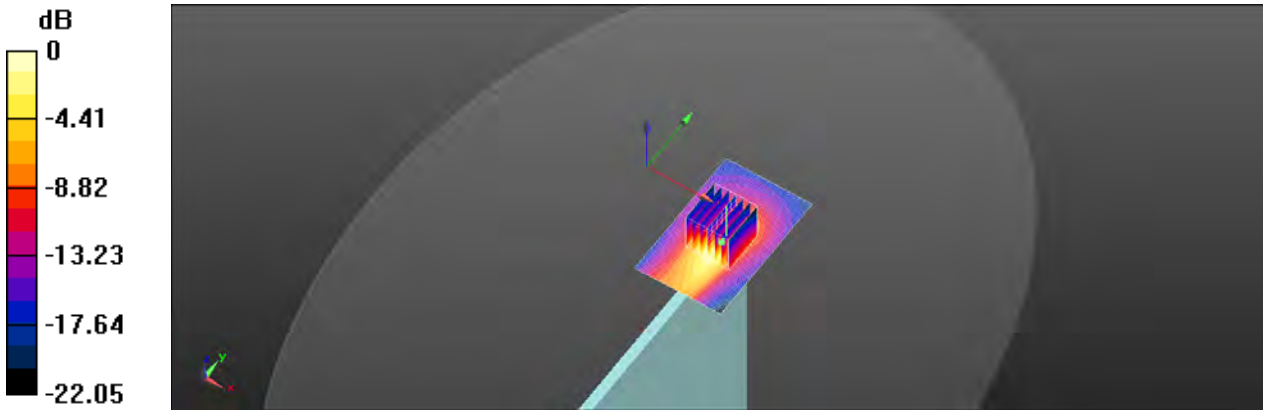
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.018
Medium parameters used: f = 2437 MHz; σ = 1.743 S/m; ε_r = 39.935; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2437 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.27 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.862 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.373 W/kg
Smallest distance from peaks to all points 3 dB below = 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 42.5%
Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

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Date: 2021/5/11

Report No. :EN/2021/40020

WLAN 802.11n(40M) 5.2G, Body, Left Edge, CH 38, Main, 0mm

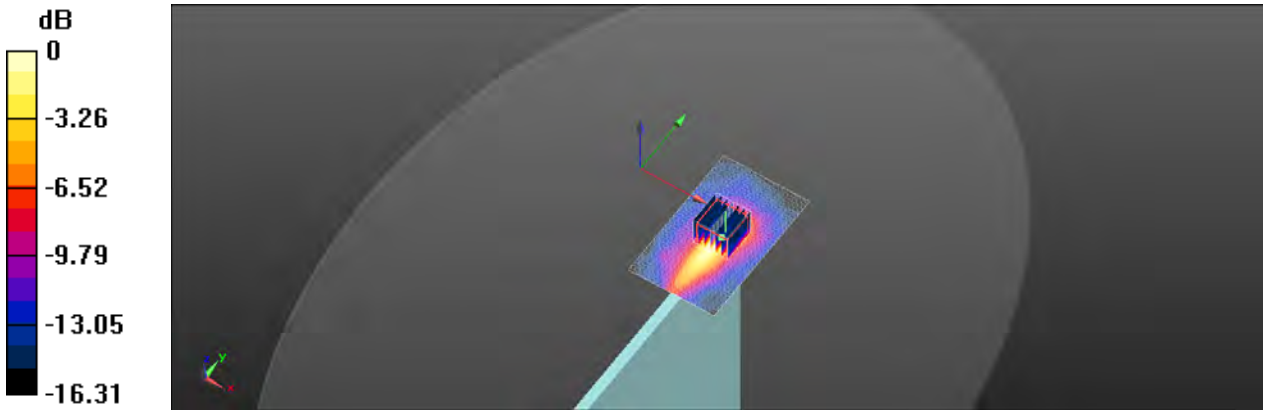
Communication System: WLAN 5G; Frequency: 5190 MHz; Duty cycle= 1:1.040
Medium parameters used: f = 5190 MHz; σ = 4.615 S/m; ε_r = 37.065; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5190 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.357 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.484 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.709 W/kg
SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.060 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 0.333 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg

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Date: 2021/5/12

Report No. :EN/2021/40020

WLAN 802.11n(40M) 5.3G, Body, Left Edge, CH 54, Main, 0mm

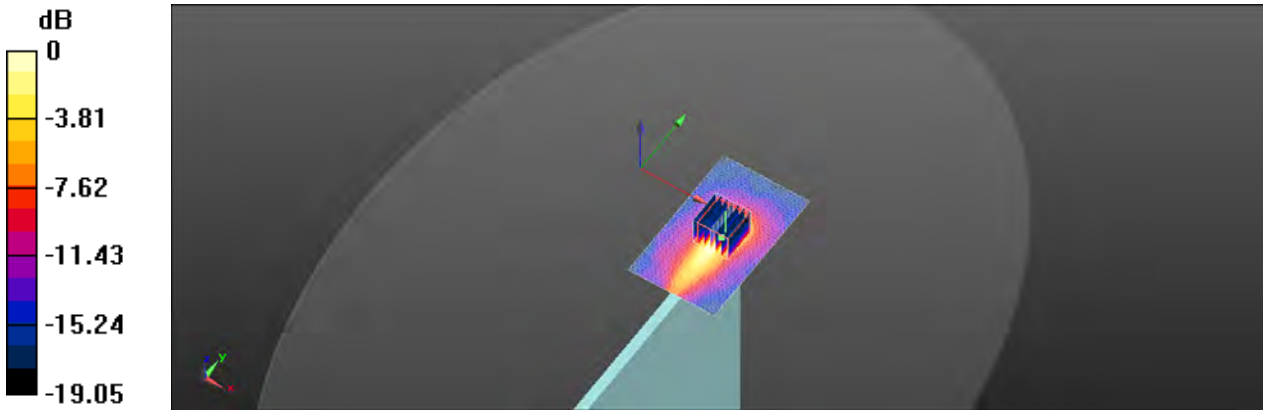
Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.040
Medium parameters used: f = 5270 MHz; σ = 4.728 S/m; ε_r = 36.847; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5270 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.628 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.134 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.101 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 0.595 W/kg



0 dB = 0.595 W/kg = -2.25 dBW/kg

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Date: 2021/5/13

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.6G, Body, Top Edge, CH 138, Main, 0mm

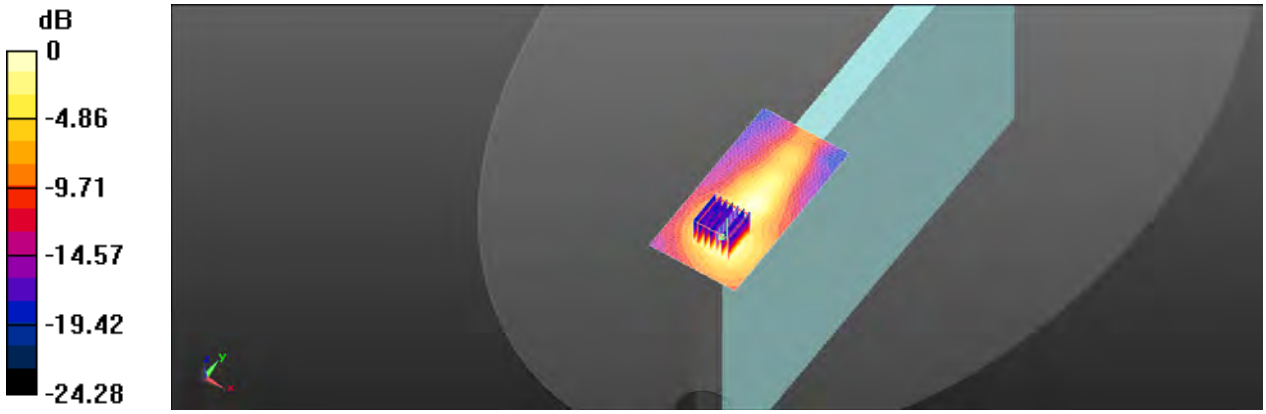
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.073
Medium parameters used: f = 5690 MHz; σ = 5.231 S/m; ε_r = 35.897; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5690 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.609 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.368 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.129 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%
Maximum value of SAR (measured) = 0.620 W/kg



0 dB = 0.620 W/kg = -2.08 dBW/kg

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Date: 2021/5/14

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.8G, Body, Top Edge, CH 155, Main, 0mm

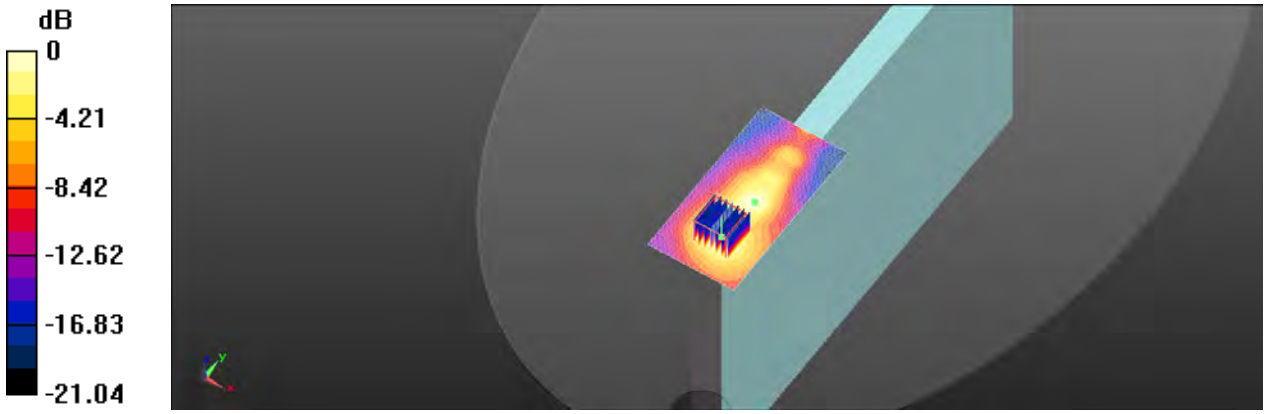
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.073
Medium parameters used: f = 5775 MHz; σ = 5.336 S/m; ε_r = 35.744; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5775 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.582 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.112 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.123 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 0.597 W/kg



0 dB = 0.597 W/kg = -2.24 dBW/kg

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Date: 2021/5/10

Report No. :EN/2021/40020

WLAN 802.11b, Body, Back Surface, CH 1, Aux, 0mm

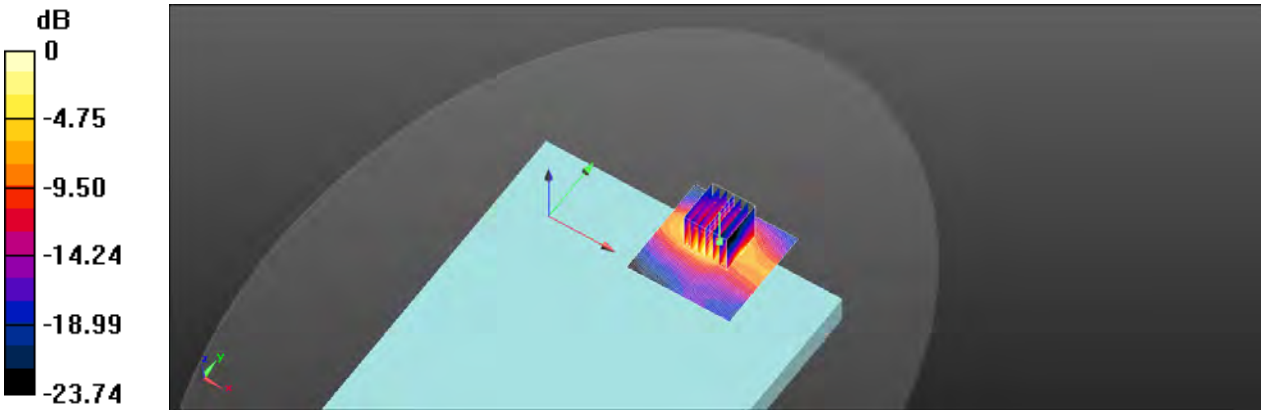
Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.011
Medium parameters used: f = 2412 MHz; σ = 1.721 S/m; ε_r = 39.991; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2412 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.299 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.319 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 46.7%
Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

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Date: 2021/5/10

Report No. :EN/2021/40020

Bluetooth(GFSK), Body, Back Surface, CH 0, 0mm

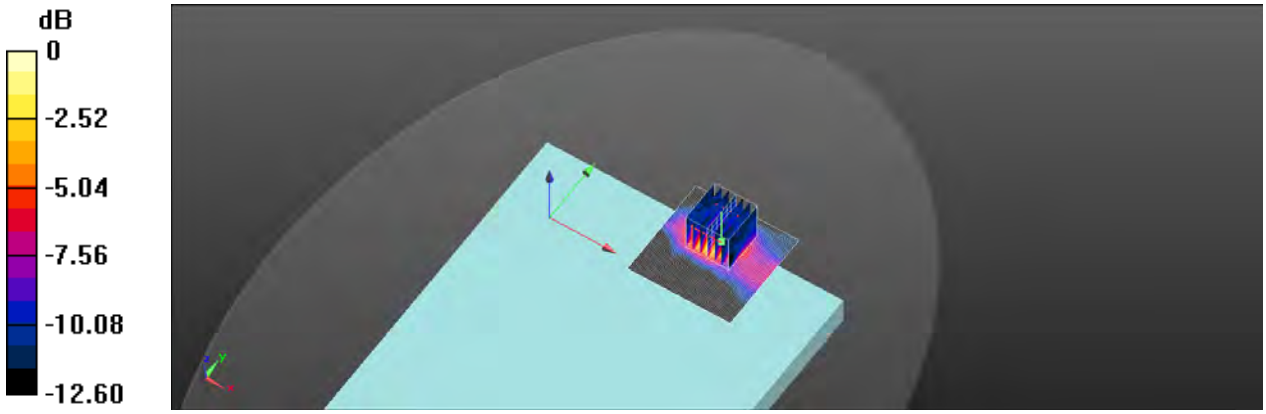
Communication System: Bluetooth; Frequency: 2402 MHz; Duty cycle= 1:1.427
Medium parameters used: f = 2402 MHz; σ = 1.711 S/m; ε_r = 40.021; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2402 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0554 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.158 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0870 W/kg
SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.017 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 48.9%
Maximum value of SAR (measured) = 0.0580 W/kg



0 dB = 0.0580 W/kg = -12.37 dBW/kg

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Date: 2021/5/11

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.2G, Body, Back Surface, CH 42, Aux, 0mm

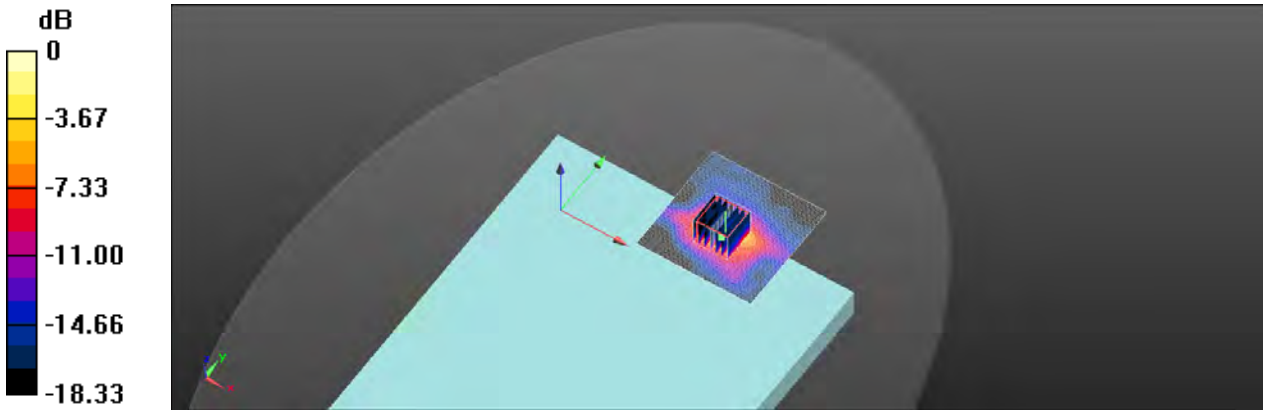
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5210 MHz; σ = 4.638 S/m; ε_r = 37.014; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5210 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.667 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.457 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.100 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 0.756 W/kg



0 dB = 0.756 W/kg = -1.21 dBW/kg

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Date: 2021/5/12

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.3G, Body, Back Surface, CH 58, Aux, 0mm

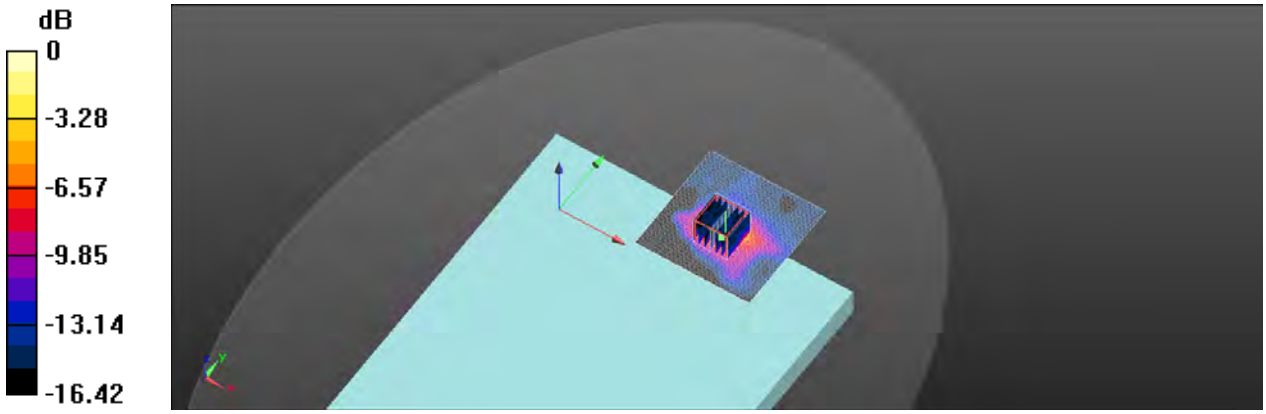
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5290 MHz; σ = 4.754 S/m; ε_r = 36.766; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5290 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.373 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.378 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.058 W/kg
Smallest distance from peaks to all points 3 dB below = 5.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 0.439 W/kg



0 dB = 0.439 W/kg = -3.58 dBW/kg

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Date: 2021/5/13

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.6G, Body, Back Surface, CH 138, Aux, 0mm

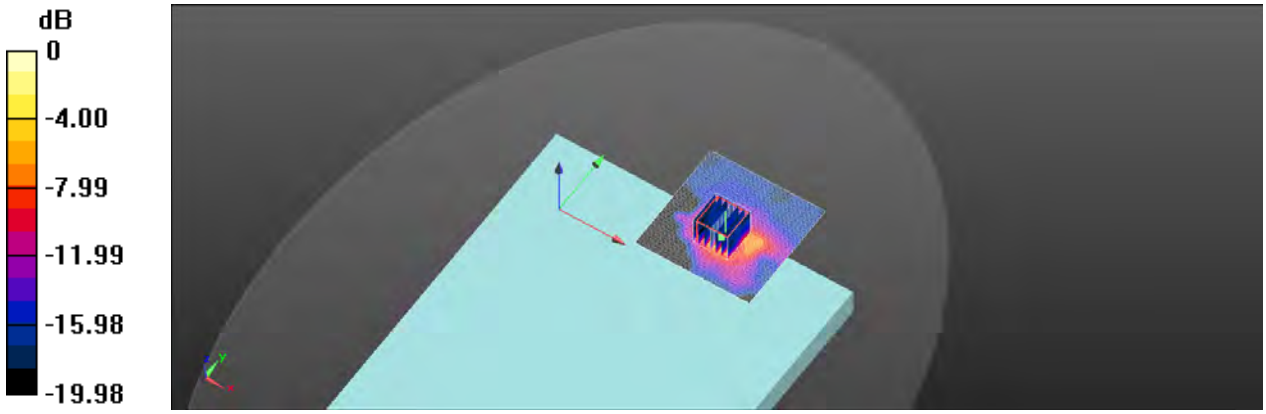
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5690 MHz; σ = 5.231 S/m; ε_r = 35.891; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5690 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.651 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.846 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.088 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.5%
Maximum value of SAR (measured) = 0.779 W/kg



0 dB = 0.779 W/kg = -1.08 dBW/kg

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Date: 2021/5/14

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.8G, Body, Back Surface, CH 155, Aux, 0mm

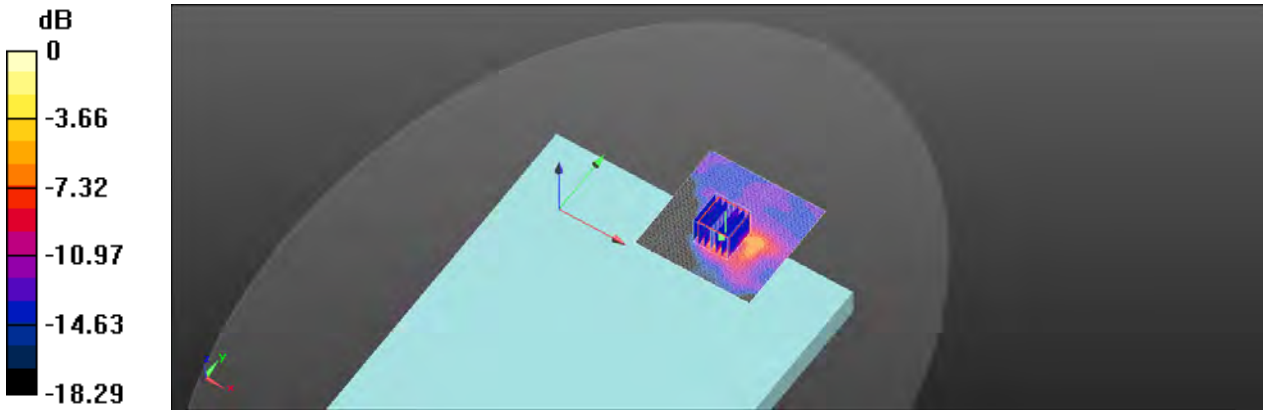
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5775 MHz; σ = 5.336 S/m; ε_r = 35.744; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5775 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.266 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.189 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.927 W/kg
SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.038 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 51.9%
Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg = -5.06 dBW/kg

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Date: 2021/5/10

Report No. :EN/2021/40020

WLAN 802.11b, Body, Bottom Surface, CH 6, Aux, 0mm

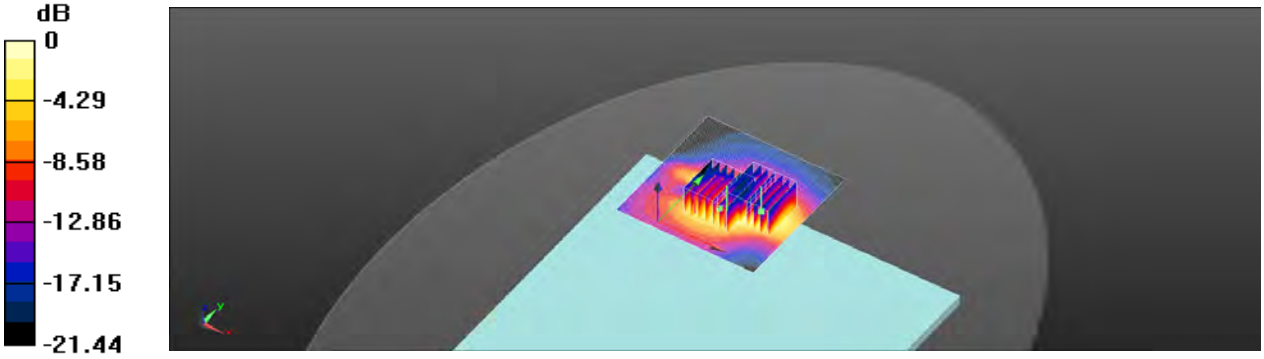
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.011
Medium parameters used: f = 2437 MHz; σ = 1.743 S/m; ε_r = 39.935; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2437 MHz; Calibrated: 2021/1/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.124 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.674 W/kg; SAR(10 g) = 0.302 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 42.2%
Maximum value of SAR (measured) = 1.14 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.124 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.324 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 54.8%
Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg = -0.10 dBW/kg

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Date: 2021/5/10

Report No. :EN/2021/40020

Bluetooth(GFSK), Body, Bottom Surface, CH 0, 0mm

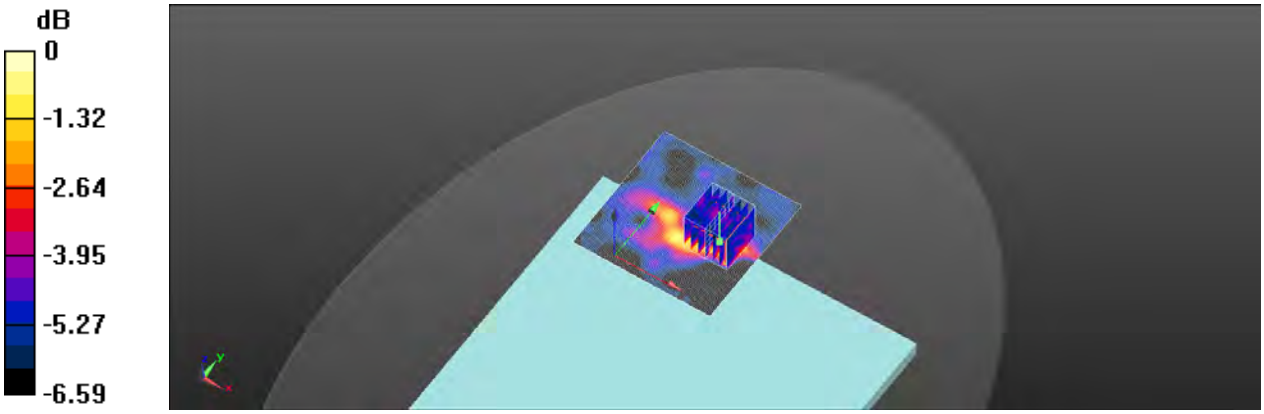
Communication System: Bluetooth; Frequency: 2402 MHz; Duty cycle= 1:1.427
Medium parameters used: f = 2402 MHz; σ = 1.711 S/m; ε_r = 40.021; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2402 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0104 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.004 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0190 W/kg
SAR(1 g) = 0.00784 W/kg; SAR(10 g) = 0.00521 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 57.5%
Maximum value of SAR (measured) = 0.0113 W/kg



0 dB = 0.0113 W/kg = -19.47 dBW/kg

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Date: 2021/5/11

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.2G, Body, Bottom Surface, CH 42, Aux, 0mm

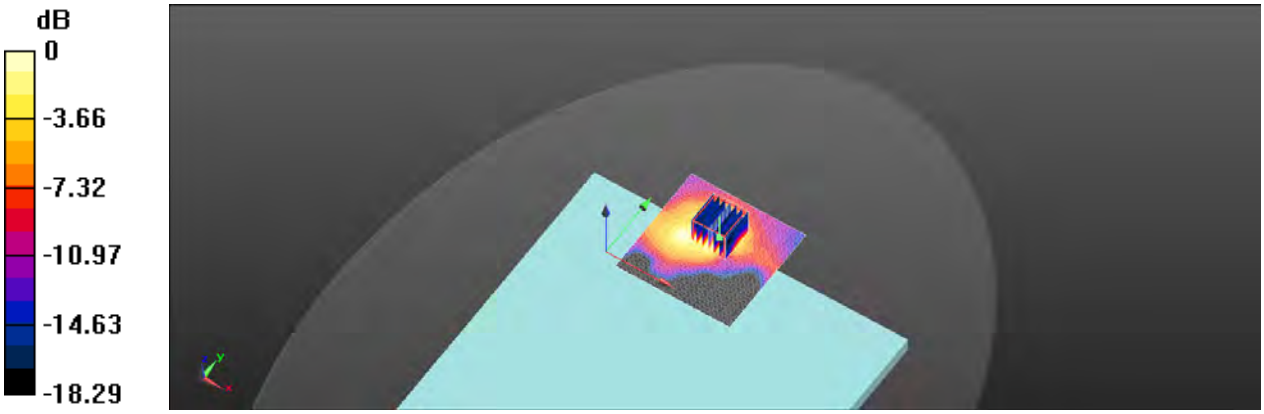
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5210 MHz; σ = 4.638 S/m; ε_r = 37.014; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5210 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.414 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.483 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.753 W/kg
SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.078 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 56.8%
Maximum value of SAR (measured) = 0.397 W/kg



0 dB = 0.397 W/kg = -4.01 dBW/kg

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Date: 2021/5/12

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.3G, Body, Bottom Surface, CH 58, Aux, 0mm

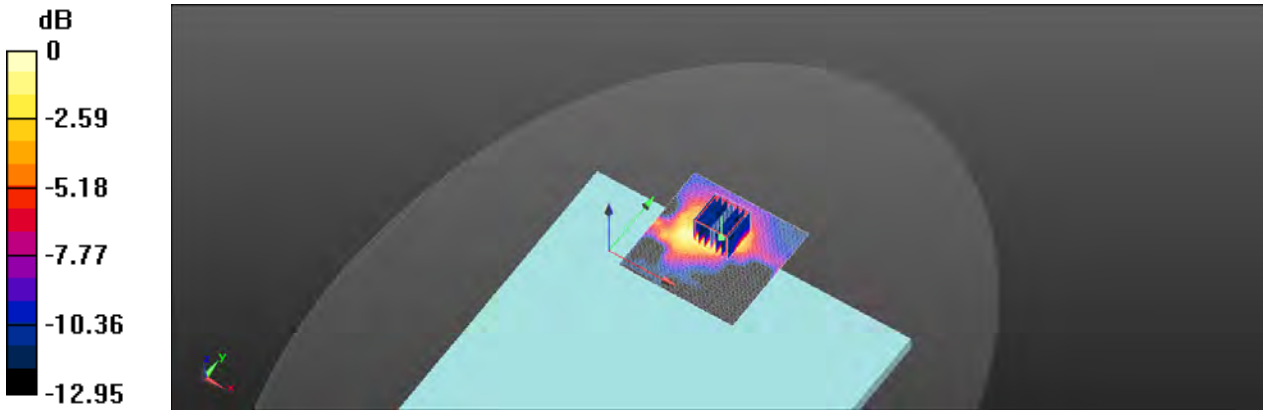
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5290 MHz; σ = 4.754 S/m; ε_r = 36.766; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5290 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.197 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.297 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.417 W/kg
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.044 W/kg
Smallest distance from peaks to all points 3 dB below = 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 55.3%
Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg = -7.06 dBW/kg

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Date: 2021/5/13

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.6G, Body, Bottom Surface, CH 138, Aux, 0mm

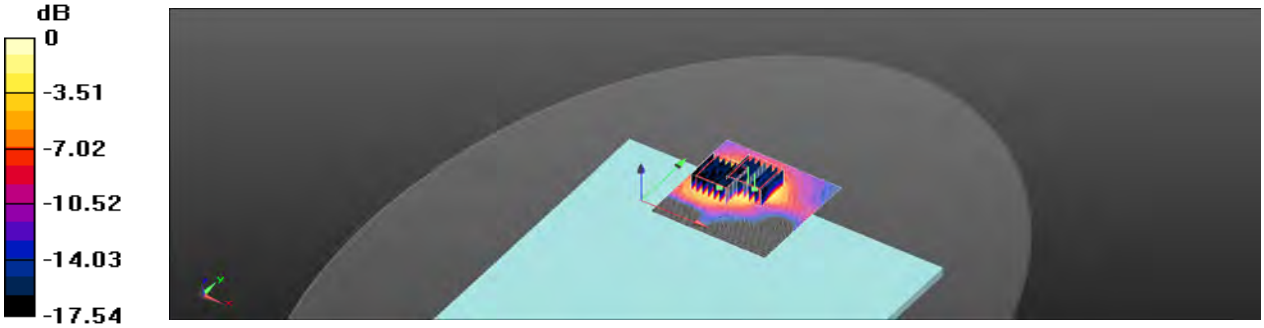
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5690 MHz; σ = 5.231 S/m; ε_r = 35.891; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 22.3°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5690 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.880 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.161 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.156 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 52.6%
Maximum value of SAR (measured) = 0.870 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.161 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.118 W/kg
Smallest distance from peaks to all points 3 dB below = 4.3 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 0.801 W/kg



0 dB = 0.801 W/kg = -0.96 dBW/kg

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Date: 2021/5/14

Report No. :EN/2021/40020

WLAN 802.11ac(80M) 5.8G, Body, Bottom Surface, CH 155, Aux, 0mm

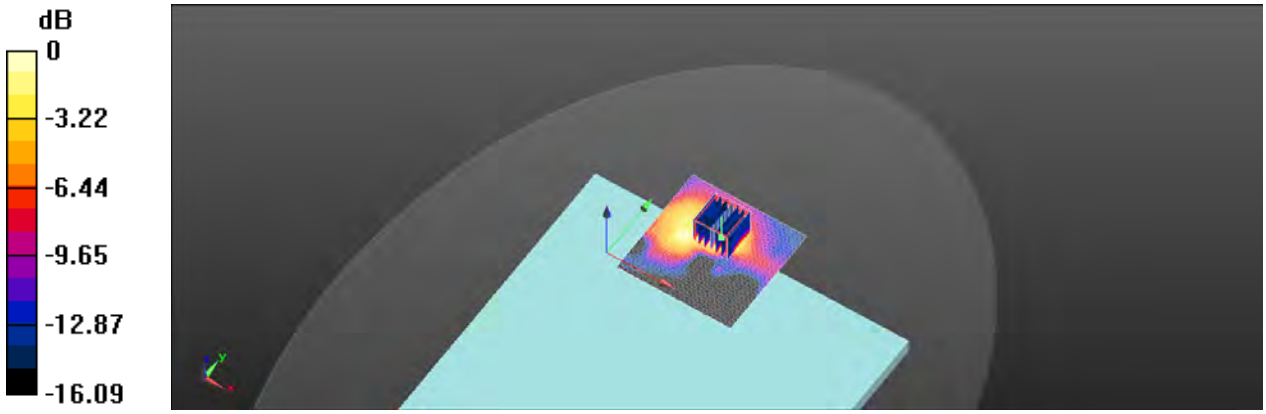
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.087
Medium parameters used: f = 5775 MHz; σ = 5.336 S/m; ε_r = 35.744; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5775 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.444 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.418 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.078 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 49.9%
Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg

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6. SAR System Performance Verification

Date: 2020/9/27

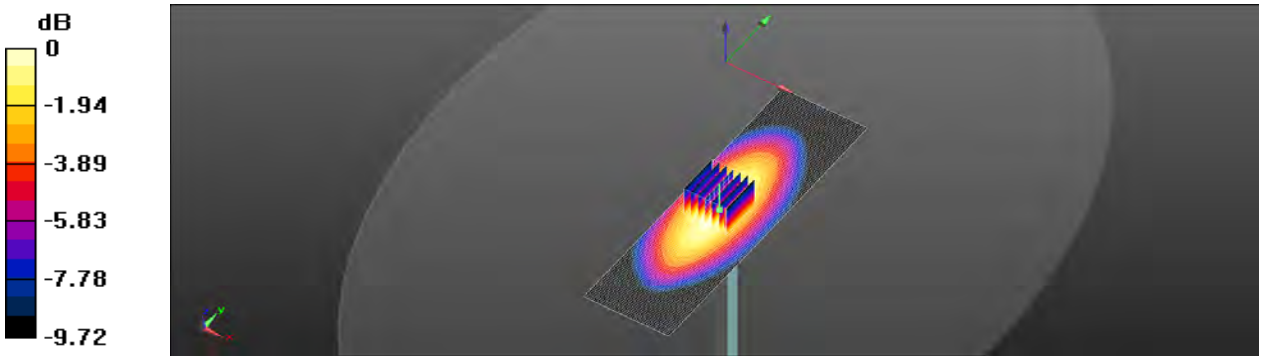
Report No. :EN/2020/80008

Dipole 750 MHz_SN:1015

Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1
Medium parameters used: f = 750 MHz; σ = 0.897 S/m; ε_r = 43.131; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 750 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (41x141x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.52 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.98 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.38 W/kg
Smallest distance from peaks to all points 3 dB below = 15.7 mm
Ratio of SAR at M2 to SAR at M1 = 68.5%
Maximum value of SAR (measured) = 2.56 W/kg



0 dB = 2.56 W/kg = 4.08 dBW/kg

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Date: 2020/9/27

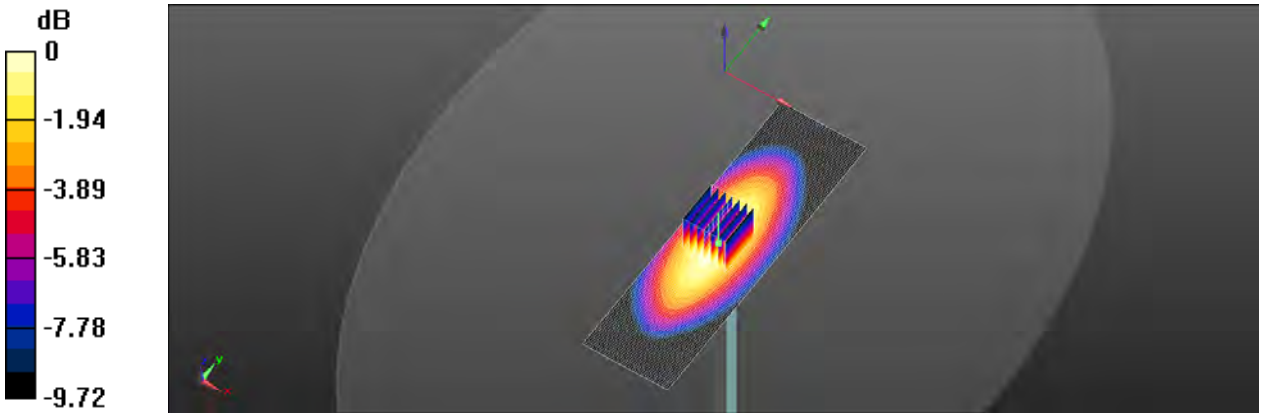
Report No. :EN/2020/80008

Dipole 750 MHz_SN:1015

Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1
Medium parameters used: f = 750 MHz; σ = 0.897 S/m; ε_r = 43.131; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 750 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (41x141x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.52 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.98 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.38 W/kg
Smallest distance from peaks to all points 3 dB below = 15.7 mm
Ratio of SAR at M2 to SAR at M1 = 68.5%
Maximum value of SAR (measured) = 2.56 W/kg



0 dB = 2.56 W/kg = 4.08 dBW/kg

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Date: 2020/9/28

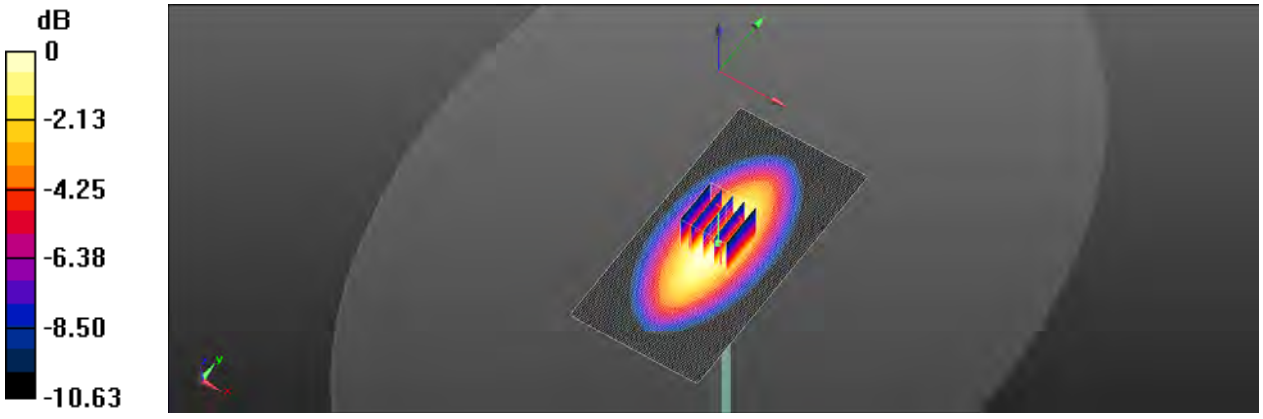
Report No. :EN/2020/80008

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.868 S/m; ε_r = 42.334; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 835 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.91 W/kg
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.95 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.48 W/kg
Smallest distance from peaks to all points 3 dB below = 17.9 mm
Ratio of SAR at M2 to SAR at M1 = 67.1%
Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

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Date: 2020/9/29

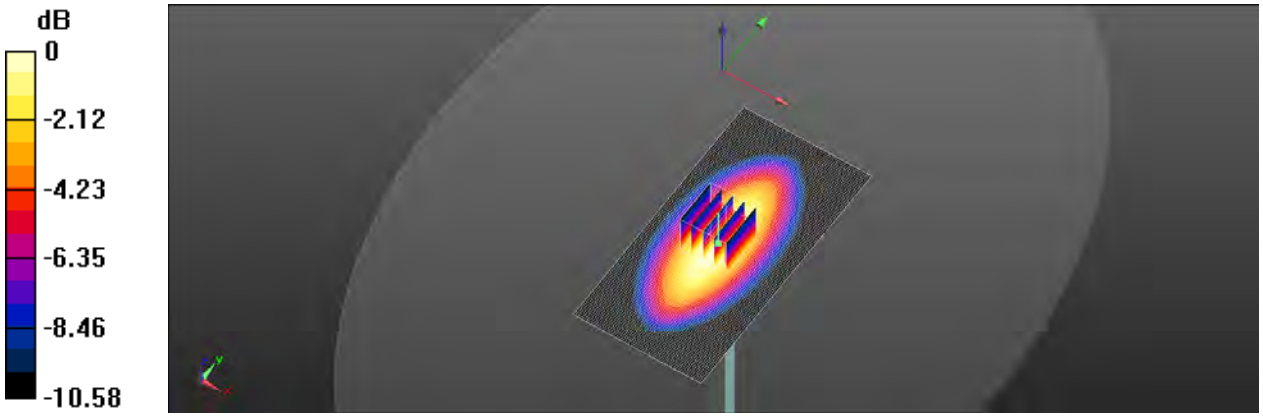
Report No. :EN/2020/80008

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.901 S/m; ε_r = 42.157; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 22.3°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 835 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 3.01 W/kg
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.16 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.52 W/kg
Smallest distance from peaks to all points 3 dB below = 18.7 mm
Ratio of SAR at M2 to SAR at M1 = 67.1%
Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.01 W/kg = 4.79 dBW/kg

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Date: 2020/9/30

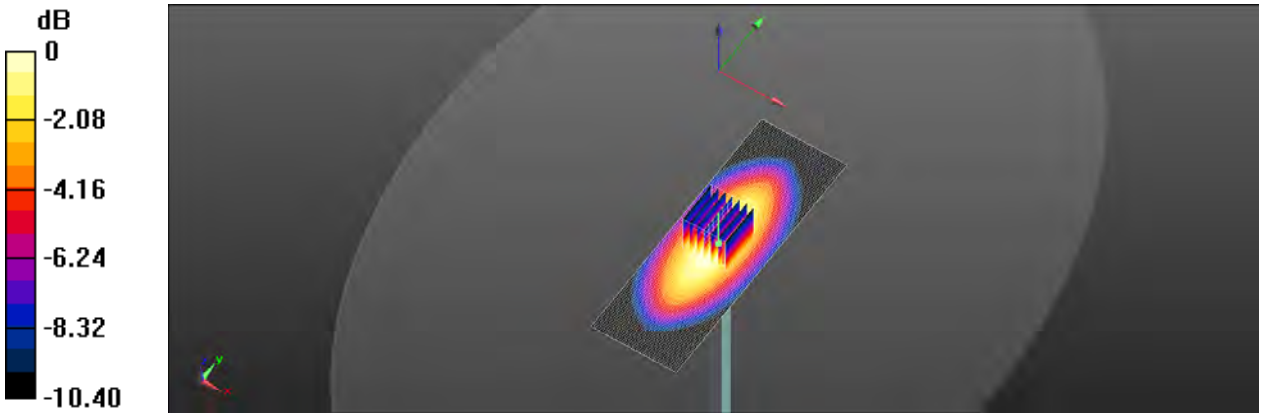
Report No. :EN/2020/80008

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.886 S/m; ε_r = 41.961; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.2°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 835 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (41x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.83 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.79 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.30 W/kg
SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.47 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 67.4%
Maximum value of SAR (measured) = 2.83 W/kg



0 dB = 2.83 W/kg = 4.52 dBW/kg

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Date: 2020/9/28

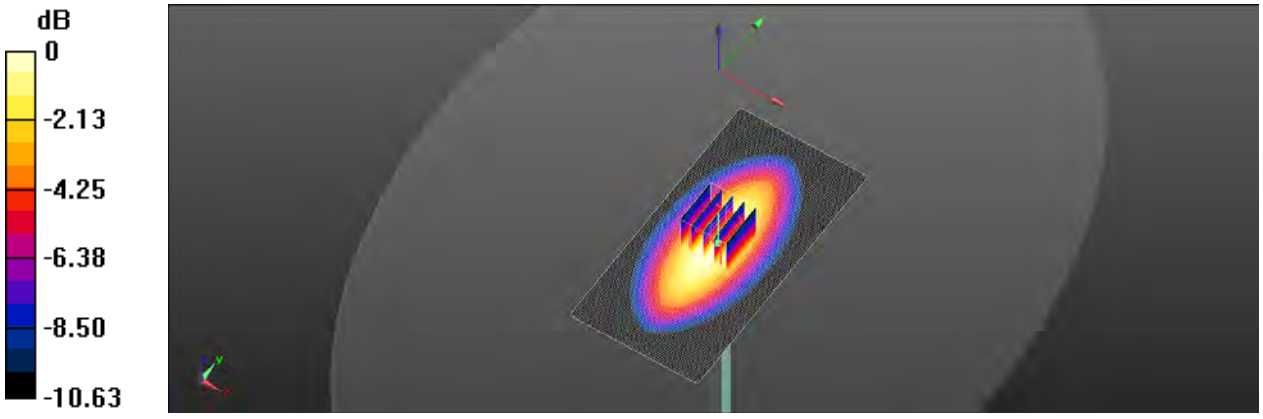
Report No. :EN/2020/80008

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.868 S/m; ε_r = 42.334; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 835 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.91 W/kg
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.95 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.48 W/kg
Smallest distance from peaks to all points 3 dB below = 17.9 mm
Ratio of SAR at M2 to SAR at M1 = 67.1%
Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

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Date: 2020/9/29

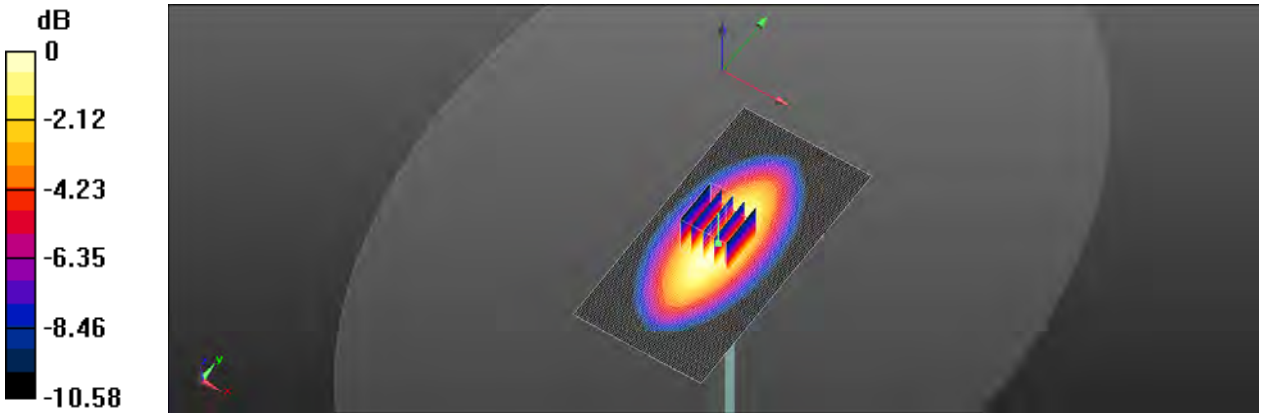
Report No. :EN/2020/80008

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.901 S/m; ε_r = 42.157; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 22.3°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 835 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 3.01 W/kg
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.16 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.52 W/kg
Smallest distance from peaks to all points 3 dB below = 18.7 mm
Ratio of SAR at M2 to SAR at M1 = 67.1%
Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.01 W/kg = 4.79 dBW/kg

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Date: 2020/9/30

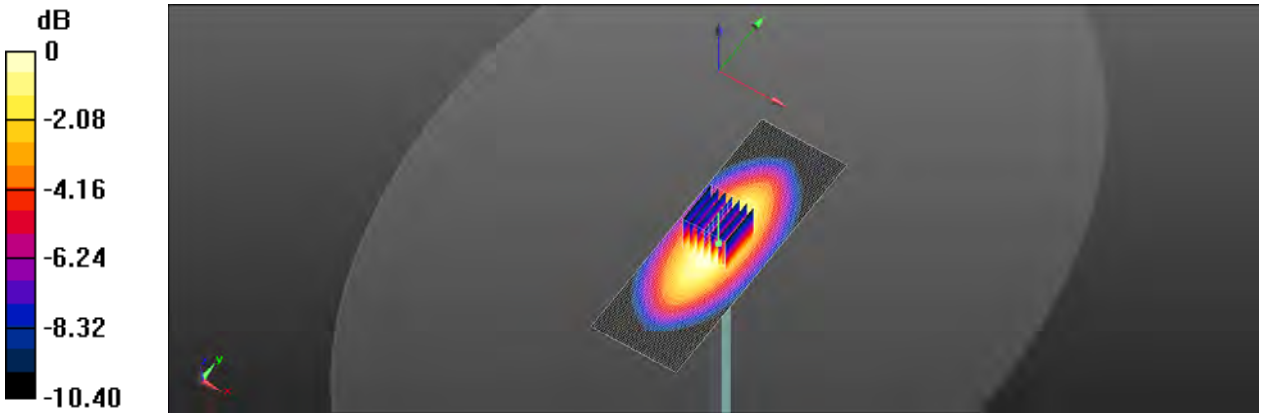
Report No. :EN/2020/80008

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.886 S/m; ε_r = 41.961; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.2°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 835 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (41x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.83 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.79 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.30 W/kg
SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.47 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 67.4%
Maximum value of SAR (measured) = 2.83 W/kg



0 dB = 2.83 W/kg = 4.52 dBW/kg

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Date: 2020/10/1

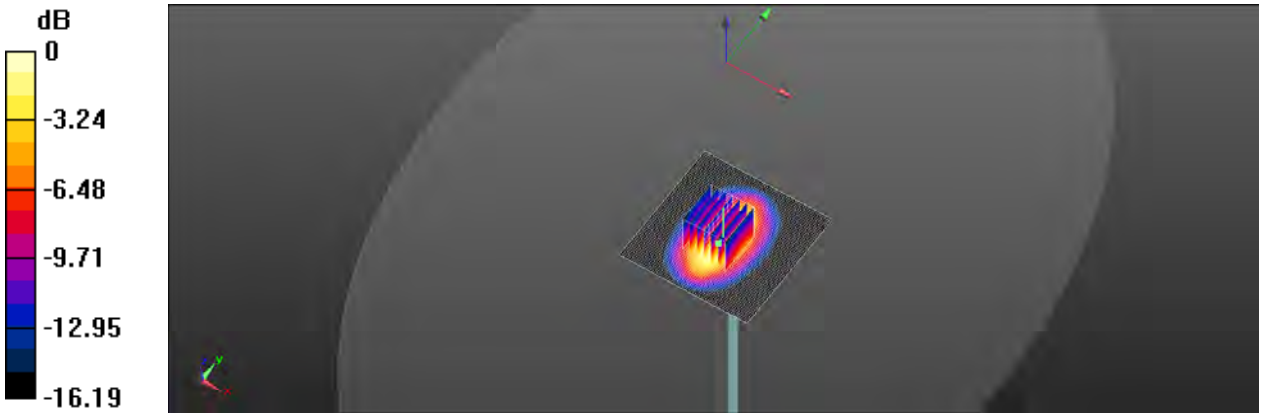
Report No. :EN/2020/80008

Dipole 1750 MHz_SN:1008

Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1
Medium parameters used: f = 1750 MHz; σ = 1.357 S/m; ε_r = 41.709; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.5°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1750 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.6 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 8.84 W/kg; SAR(10 g) = 4.8 W/kg
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 57.5%
Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 12.4 W/kg = 10.93 dBW/kg

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Date: 2020/10/1

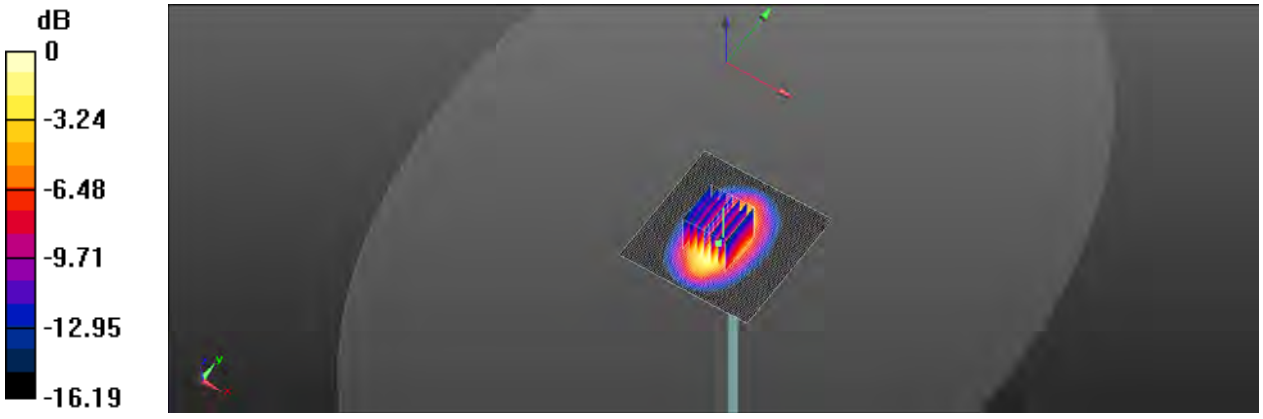
Report No. :EN/2020/80008

Dipole 1750 MHz_SN:1008

Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1
Medium parameters used: f = 1750 MHz; σ = 1.357 S/m; ε_r = 41.709; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.5°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1750 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.6 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 8.84 W/kg; SAR(10 g) = 4.8 W/kg
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 57.5%
Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 12.4 W/kg = 10.93 dBW/kg

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Date: 2020/10/2

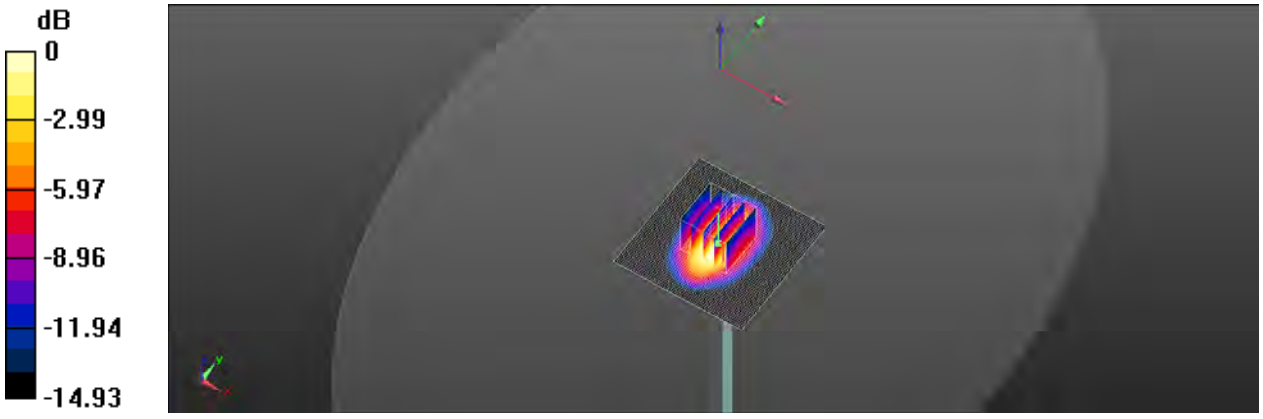
Report No. :EN/2020/80008

Dipole 1900 MHz_SN:5d027

Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.455 S/m; ε_r = 41.211; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1900 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.4 W/kg
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 101.3 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 15.2 W/kg
SAR(1 g) = 9.3 W/kg; SAR(10 g) = 5.35 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 60.2%
Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 12.4 W/kg = 10.93 dBW/kg

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Date: 2020/10/2

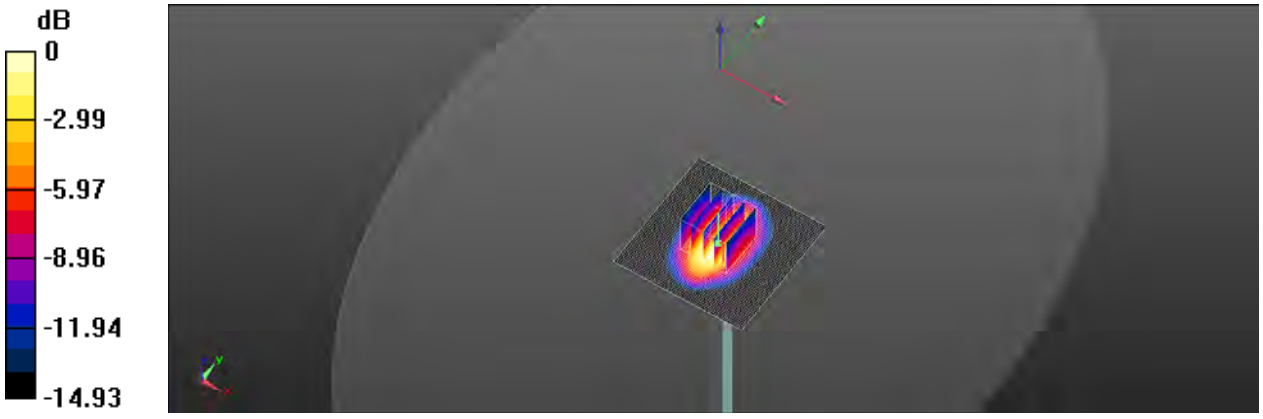
Report No. :EN/2020/80008

Dipole 1900 MHz_SN:5d027

Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.455 S/m; ε_r = 41.211; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1900 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.4 W/kg
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 101.3 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 15.2 W/kg
SAR(1 g) = 9.3 W/kg; SAR(10 g) = 5.35 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 60.2%
Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 12.4 W/kg = 10.93 dBW/kg

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Date: 2020/10/3

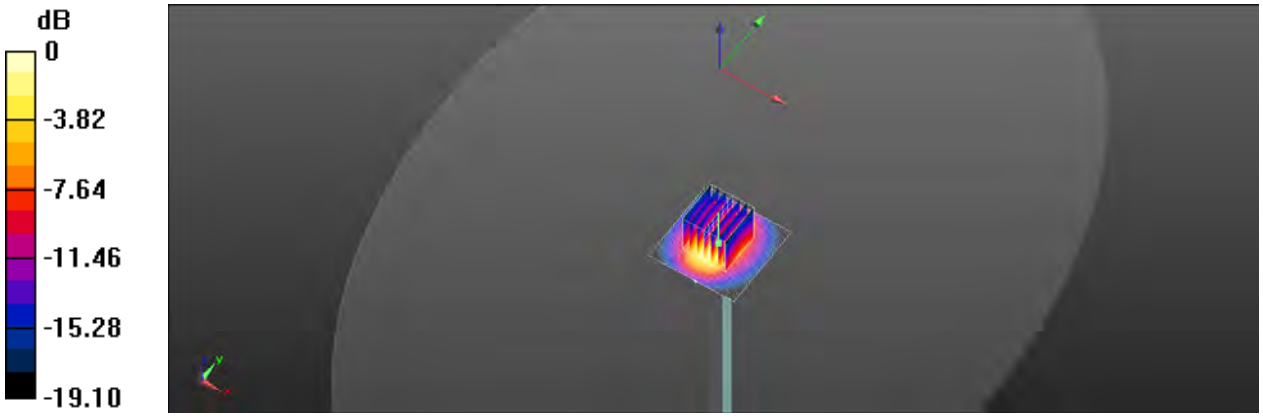
Report No. :EN/2020/80008

Dipole 2300 MHz_SN:1023

Communication System: CW; Frequency: 2300 MHz; Duty cycle= 1:1
Medium parameters used: f = 2300 MHz; σ = 1.693 S/m; ε_r = 40.918; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.09°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.67, 7.67, 7.67) @ 2300 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (51x51x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 19.5 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 104.5 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 23.6 W/kg
SAR(1 g) = 12.4 W/kg; SAR(10 g) = 6.11 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 18.2 W/kg



0 dB = 18.2 W/kg = 12.60 dBW/kg

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Date: 2020/10/3

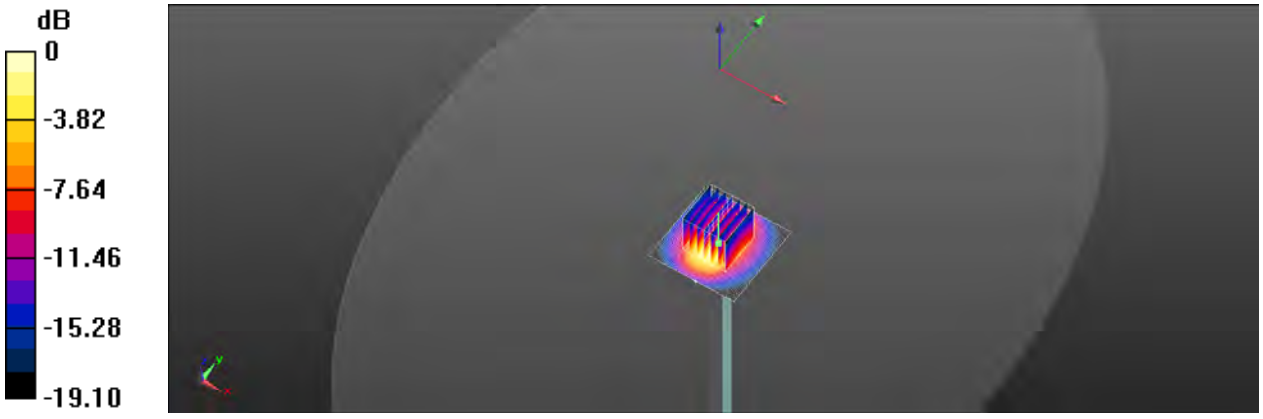
Report No. :EN/2020/80008

Dipole 2300 MHz_SN:1023

Communication System: CW; Frequency: 2300 MHz; Duty cycle= 1:1
Medium parameters used: f = 2300 MHz; σ = 1.693 S/m; ε_r = 40.918; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.09°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.67, 7.67, 7.67) @ 2300 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (51x51x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 19.5 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 104.5 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 23.6 W/kg
SAR(1 g) = 12.4 W/kg; SAR(10 g) = 6.11 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 18.2 W/kg



0 dB = 18.2 W/kg = 12.60 dBW/kg

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Date: 2020/10/4

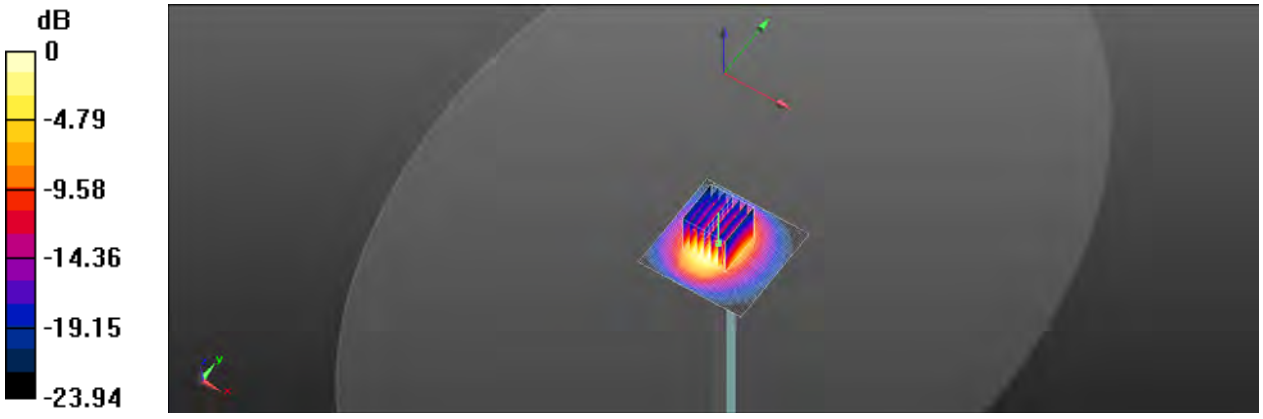
Report No. :EN/2020/80008

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 2.036 S/m; ε_r = 38.601; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2600 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 22.7 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.49 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.4 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.6%
Maximum value of SAR (measured) = 22.4 W/kg



0 dB = 22.4 W/kg = 13.50 dBW/kg

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Date: 2020/10/5

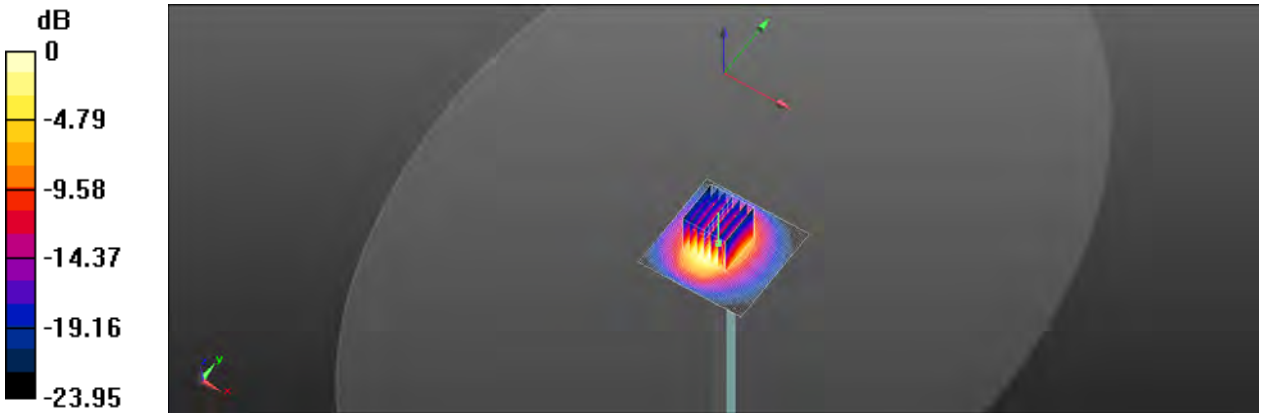
Report No. :EN/2020/80008

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.882 S/m; ε_r = 38.172; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.1°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2600 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 21.2 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.85 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 29.1 W/kg
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 5.98 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.5%
Maximum value of SAR (measured) = 21.0 W/kg



0 dB = 21.0 W/kg = 13.22 dBW/kg

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Date: 2020/10/6

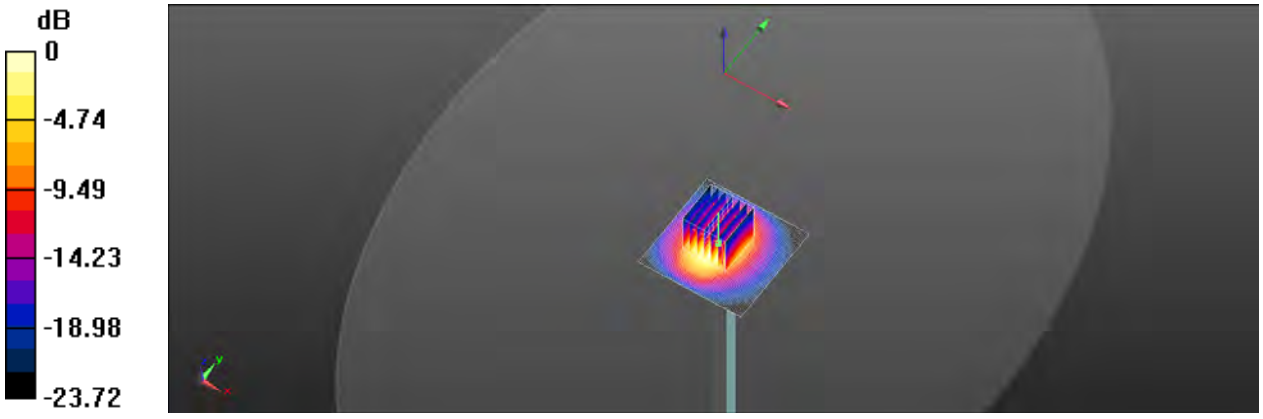
Report No. :EN/2020/80008

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.942 S/m; ε_r = 38.825; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2600 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 21.0 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.39 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 28.7 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 5.93 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.8%
Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

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Date: 2020/10/4

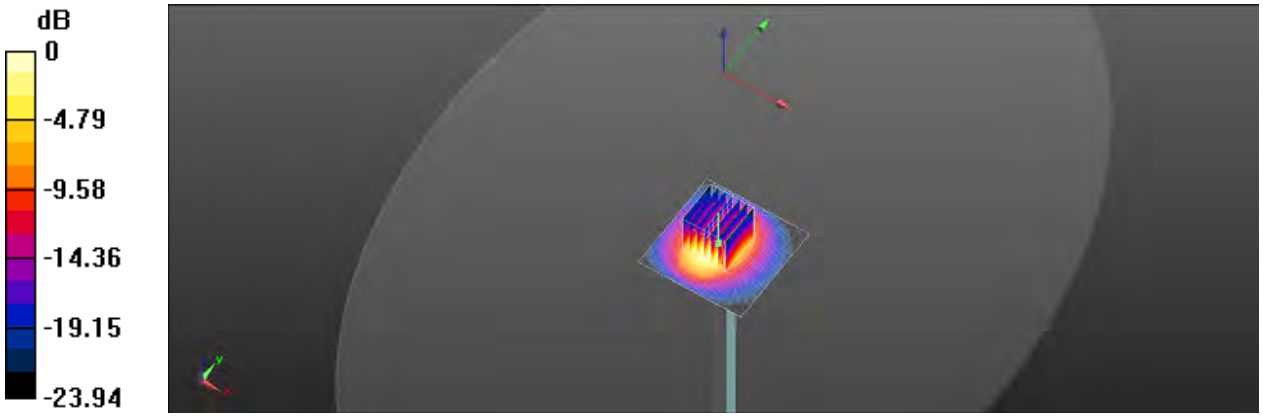
Report No. :EN/2020/80008

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 2.036 S/m; ε_r = 38.601; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2600 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 22.7 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.49 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.4 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.6%
Maximum value of SAR (measured) = 22.4 W/kg



0 dB = 22.4 W/kg = 13.50 dBW/kg

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Date: 2020/10/5

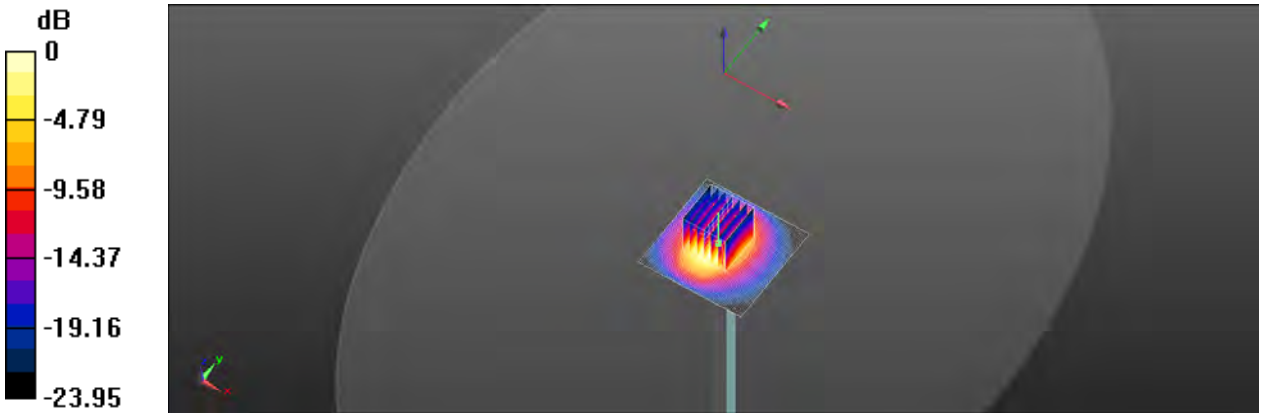
Report No. :EN/2020/80008

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.882 S/m; ε_r = 38.172; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.1°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2600 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 21.2 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.85 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 29.1 W/kg
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 5.98 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.5%
Maximum value of SAR (measured) = 21.0 W/kg



0 dB = 21.0 W/kg = 13.22 dBW/kg

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Date: 2020/10/6

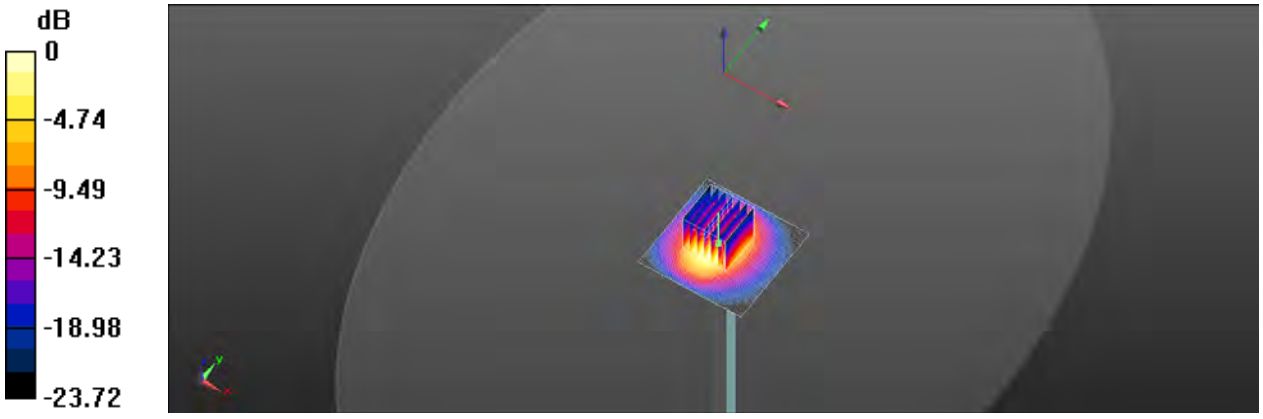
Report No. :EN/2020/80008

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.942 S/m; ε_r = 38.825; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 22.0°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2600 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 21.0 W/kg
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.39 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 28.7 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 5.93 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.8%
Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

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Date: 2021/5/5

Report No. :EN/2021/40020

Dipole 2450 MHz_SN:835

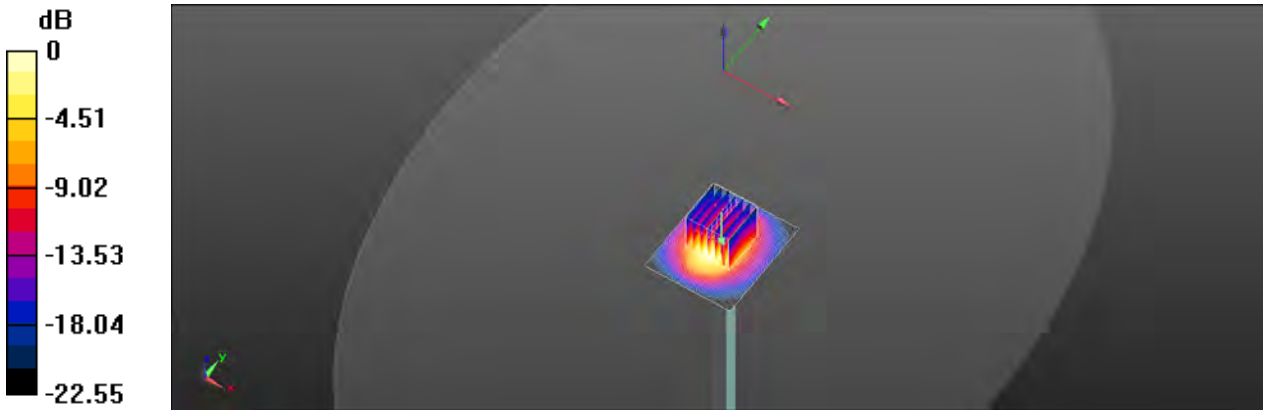
Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1
Medium parameters used: f = 2450 MHz; σ = 1.738 S/m; ε_r = 39.731; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2450 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 20.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.4 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 26.3 W/kg
SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.93 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 49.1%
Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg = 12.86 dBW/kg

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Date: 2021/5/6

Report No. :EN/2021/40020

Dipole 5200 MHz_SN:1023

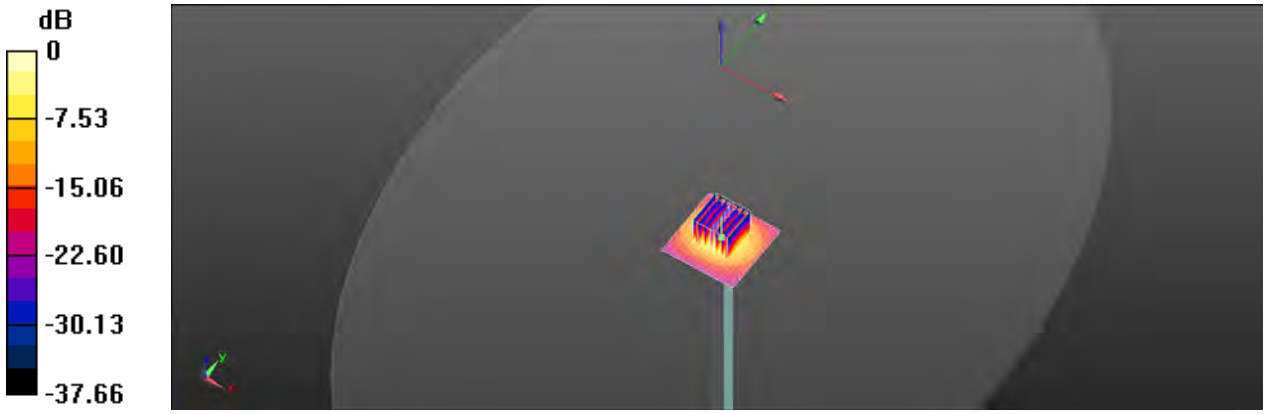
Communication System: CW; Frequency: 5200 MHz; Duty cycle= 1:1
Medium parameters used: f = 5200 MHz; σ = 4.617 S/m; ε_r = 37.059; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5200 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.6 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 63.64 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 30.4 W/kg
SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.29 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 15.7 W/kg



0 dB = 15.7 W/kg = 11.96 dBW/kg

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Date: 2021/5/7

Report No. :EN/2021/40020

Dipole 5300 MHz_SN:1023

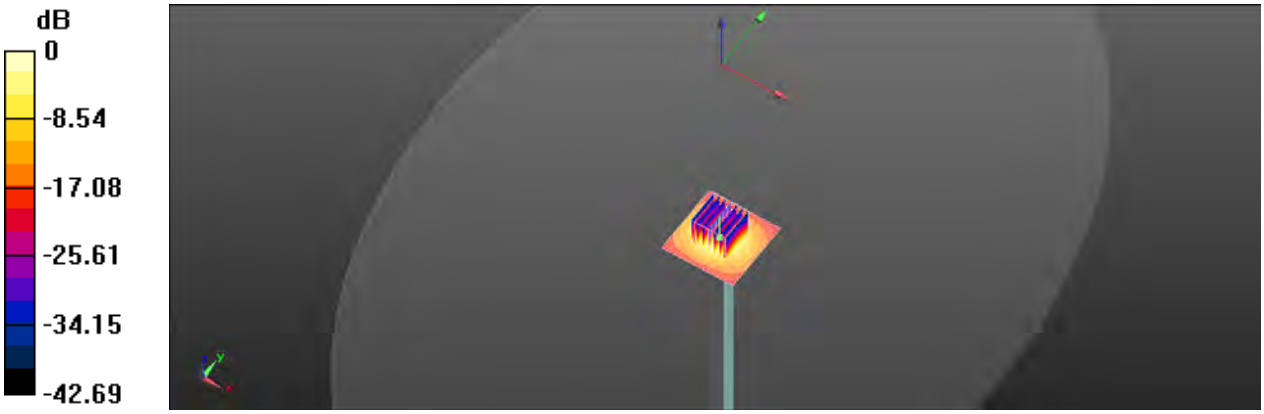
Communication System: CW; Frequency: 5300 MHz; Duty cycle= 1:1
Medium parameters used: f = 5300 MHz; σ = 4.754 S/m; ε_r = 36.794; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5300 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 18.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 65.75 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 37.9 W/kg
SAR(1 g) = 8.1 W/kg; SAR(10 g) = 2.31 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 48.7%
Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 W/kg = 12.33 dBW/kg

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Date: 2021/5/8

Report No. :EN/2021/40020

Dipole 5600 MHz_SN:1023

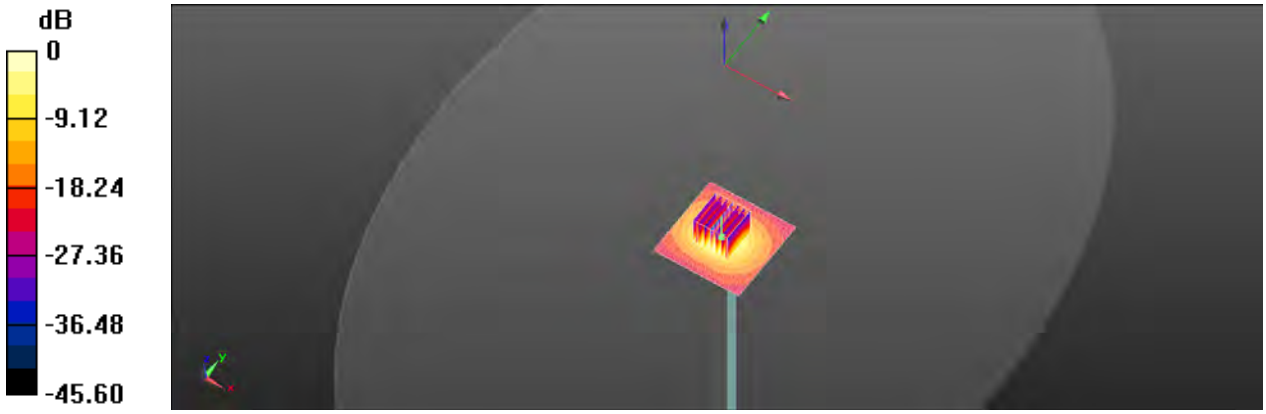
Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1
Medium parameters used: f = 5600 MHz; σ = 5.106 S/m; ε_r = 36.063; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5600 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 16.6 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 63.37 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 35.5 W/kg
SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.48 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 52.2%
Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

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Date: 2021/5/9

Report No. :EN/2021/40020

Dipole 5800 MHz_SN:1023

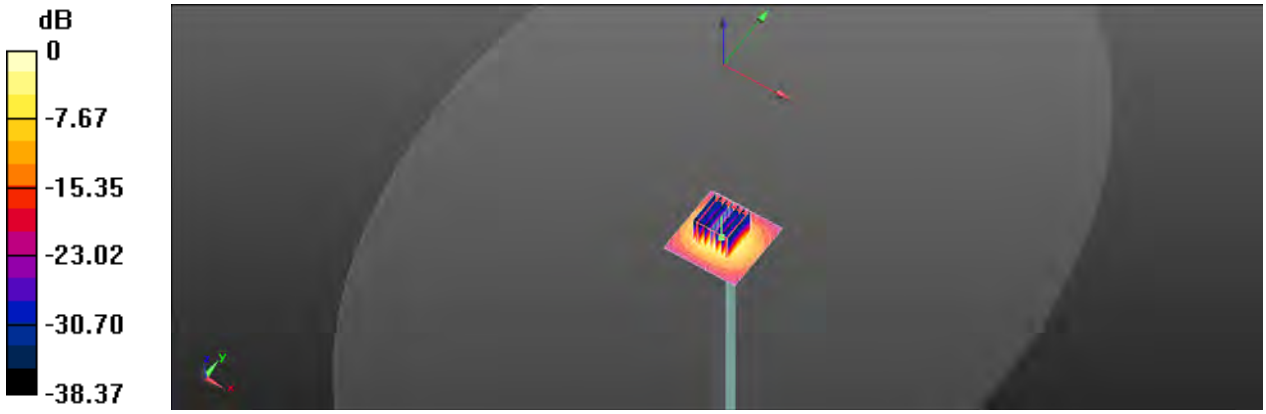
Communication System: CW; Frequency: 5800 MHz; Duty cycle= 1:1
Medium parameters used: f = 5800 MHz; σ = 5.349 S/m; ε_r = 35.669; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5800 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 17.5 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 62.39 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 38.1 W/kg
SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.34 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 47.6%
Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.7 W/kg = 12.23 dBW/kg

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Date: 2021/5/10

Report No. :EN/2021/40020

Dipole 2450 MHz_SN:835

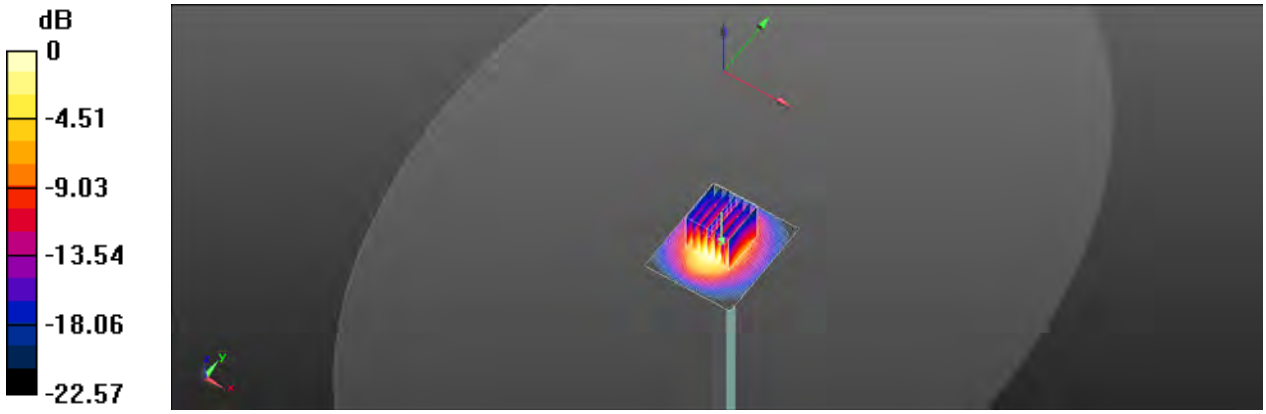
Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1
Medium parameters used: f = 2450 MHz; σ = 1.755 S/m; ε_r = 39.906; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.08, 8.08, 8.08) @ 2450 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x61x1): 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 = 105.5 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 25.8 W/kg
SAR(1 g) = 12.8 W/kg; SAR(10 g) = 6.08 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 49.3%
Maximum value of SAR (measured) = 19.0 W/kg



0 dB = 19.0 W/kg = 12.79 dBW/kg

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Date: 2021/5/11

Report No. :EN/2021/40020

Dipole 5200 MHz_SN:1023

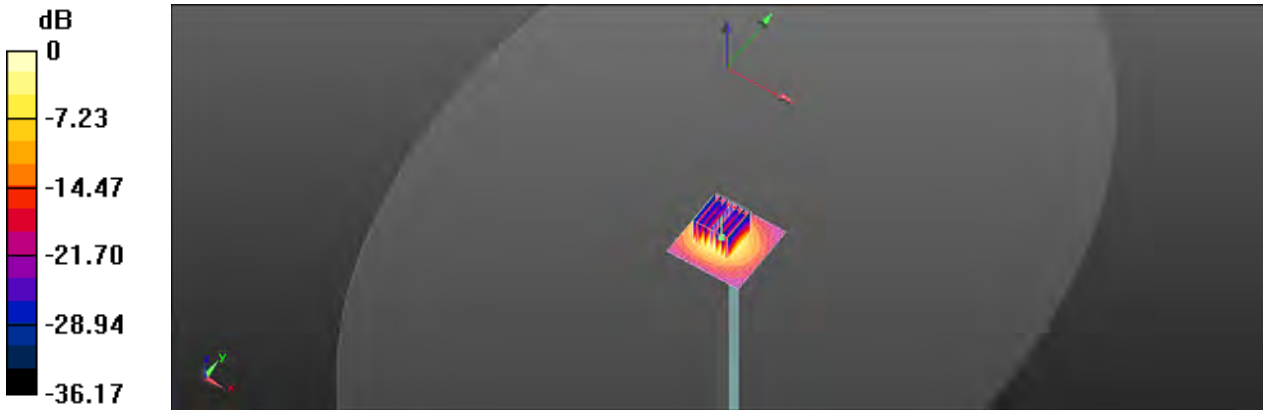
Communication System: CW; Frequency: 5200 MHz; Duty cycle= 1:1
Medium parameters used: f = 5200 MHz; σ = 4.626 S/m; ε_r = 37.037; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6) @ 5200 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.4 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.06 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 29.8 W/kg
SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.31 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 55.4%
Maximum value of SAR (measured) = 15.4 W/kg



0 dB = 15.4 W/kg = 11.88 dBW/kg

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Date: 2021/5/12

Report No. :EN/2021/40020

Dipole 5300 MHz_SN:1023

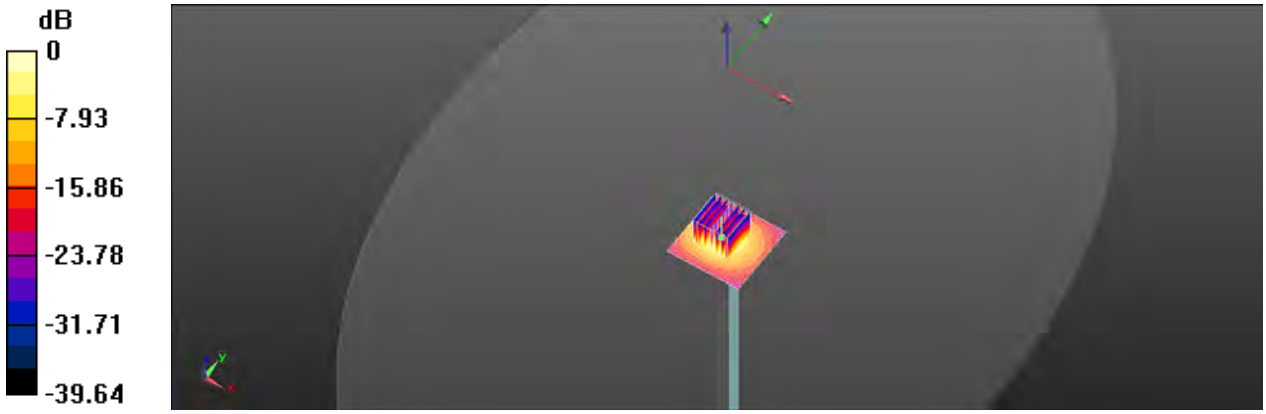
Communication System: CW; Frequency: 5300 MHz; Duty cycle= 1:1
Medium parameters used: f = 5300 MHz; σ = 4.765 S/m; ε_r = 36.749; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.5, 5.5, 5.5) @ 5300 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 16.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 60.64 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.39 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 54.6%
Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg = 11.93 dBW/kg

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Date: 2021/5/13

Report No. :EN/2021/40020

Dipole 5600 MHz_SN:1023

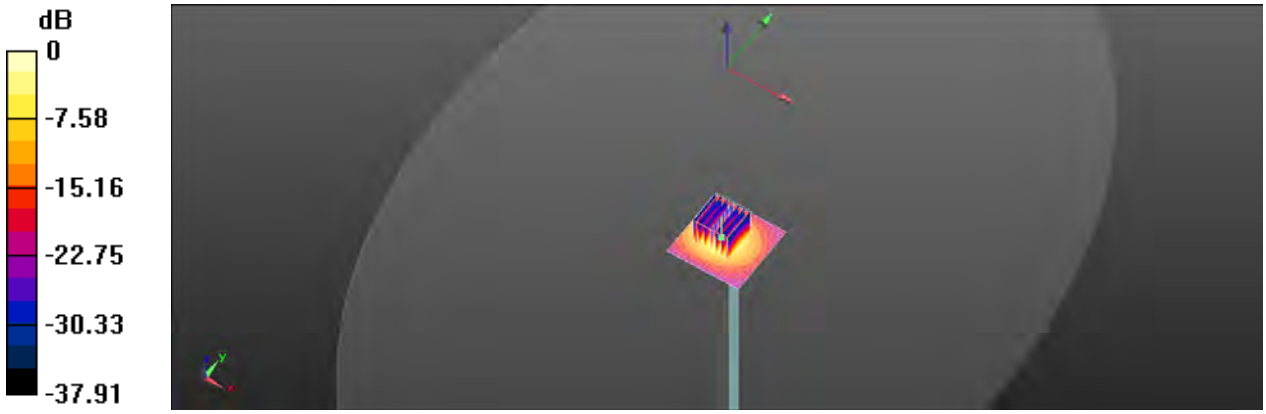
Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1
Medium parameters used: f = 5600 MHz; σ = 5.123 S/m; ε_r = 36.072; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04) @ 5600 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 18.4 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 56.45 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 37.5 W/kg
SAR(1 g) = 8.52 W/kg; SAR(10 g) = 2.42 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 52%
Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 17.9 W/kg = 12.53 dBW/kg

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Date: 2021/5/14

Report No. :EN/2021/40020

Dipole 5800 MHz_SN:1023

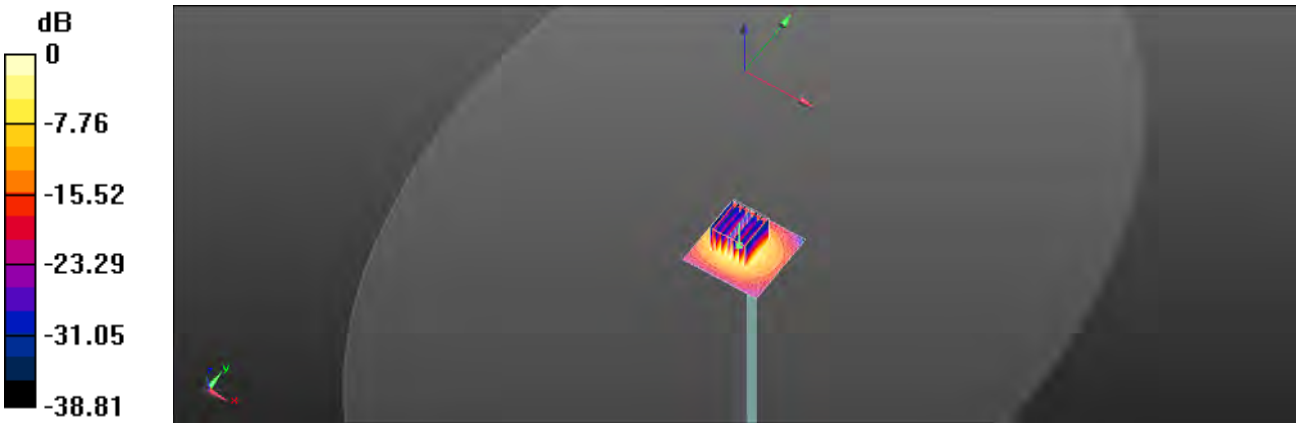
Communication System: CW; Frequency: 5800 MHz; Duty cycle= 1:1
Medium parameters used: f = 5800 MHz; σ = 5.368 S/m; ε_r = 35.713; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.02, 5.02, 5.02) @ 5800 MHz; Calibrated: 2021/1/29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2020/12/16
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 16.5 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 53.79 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.31 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 W/kg = 12.33 dBW/kg

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7. Uncertainty Budget

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/ Uncertaint	Probabili ty	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	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√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	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√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	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.01%	N	1	1	0.64	0.43	1.93%	1.29%	M
Liquid Conductivity (mea.)	1.86%	N	1	1	0.6	0.49	1.12%	0.91%	M
Combined standard uncertainty		RSS					11.93%	11.81%	
Expant uncertainty (95% confidence							23.85%	23.63%	

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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	Probability	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	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√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	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√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	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	4.36%	N	1	1	0.64	0.43	2.79%	1.87%	M
Liquid Conductivity (mea.)	4.71%	N	1	1	0.6	0.49	2.83%	2.31%	M
Combined standard uncertainty		RSS					12.09%	11.79%	
Expant uncertainty (95% confidence							24.18%	23.58%	

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Appendixes

Refer to separated files for the following appendixes.

EN202140021 SAR_Appendix A Photographs

EN202140021 SAR_Appendix B DAE & Probe Cal. Certificate

EN202140021 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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