SAR TEST REPORT

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

Equipment Under Test	ASUS Phone (Mobile Phone)
Model No.	ASUS_I006D
Brand Name	ASUS
Company Name	ASUSTeK COMPUTER INC.
Company Address	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013,
FCC ID	MSQI006D
Date of Receipt	Jan. 26, 2021
Date of Test(s)	Mar. 11, 2021 ~ Apr. 03, 2021
Date of Issue	Apr. 21, 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: Apr. 21, 2021

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Revision History

Report Number	Revision	Description	Issue Date
EN/2021/20002	Rev.00	Initial creation of document	Apr. 21, 2021

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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
2G power table 14
3G power table 21
4G power table 25
Intra-Band ULCA power table 71
5G NR power table 73
WLAN802.11 a/b/g/n/ac/ax (20M/40M/80M/160M) conducted power table 91
1.3.1 LTE Downlink CA 122
1.4 Test Environment 125
1.5 Operation Description 125
1.6 Positioning Procedure 135
1.7 Evaluation Procedures 137
1.8 Probe Calibration Procedures 139
1.9 The SAR Measurement System 142
1.10 System Components 144
1.11 SAR System Verification 146
1.12 Tissue Simulant Fluid for the Frequency Band 148
1.13 Test Standards and Limits 153
2. Summary of Results 155
2.1 Decision rules 155
2.2 Summary of Results 155
2.3 Supplemental Head SAR results 189
2.4 Supplemental Body-worn SAR results 189
2.5 Supplemental Hotspot SAR results 190
2.6 Reporting statements of conformity 190
3. Simultaneous Transmission Analysis 191
3.1 Estimated SAR calculation 192
3.2 SPLSR evaluation and analysis 192
4. Instruments List 202
5. Measurements 204
6. SAR System Performance Verification 348
5. Uncertainty Budget 378
Appendixes 380
EN202120002 SAR_Appendix A Photographs 380
EN202120002 SAR_Appendix B DAE & Probe Cal. Certificate 380
EN202120002 SAR_Appendix C Phantom Description & Dipole Cal. Certificate 380

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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
KDB447498D01v06
KDB865664D01v01r04
KDB865664D02v01r02
KDB648474D04v01r03
KDB941225D01v03r01
KDB941225D05v02r05
KDB941225D05Av01r02
KDB941225D06v02r01
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	ASUSTeK COMPUTER INC.
Company Address	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

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1.3 Description of EUT

EUT Name	ASUS Phone (Mobile Phone)			
FCC ID	MSQI006D			
Brand Name	ASUS			
Model No.	ASUS_I006D			
Mode of Operation	☒GSM ☒GPRS ☒WCDMA ☒HSDPA ☒HSUPA ☒HSPA+ ☒DC-HSDPA ☒LTE FDD ☒LTE TDD ☒5GNR ☒WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M/160M) ☒Bluetooth			
Duty Cycle	GSM (DTM multi class B)	1/8.3		
	GPRS (support multi class 10 max)	1/4.1 (1Dn2UP) 1/8.3 (1Dn1UP)		
	EDGE (support multi class 10 max)	1/4.1 (1Dn2UP) 1/8.3 (1Dn1UP)		
	LTE FDD	1		
	LTE TDD	0.633		
	WCDMA	1		
	5G NR	1		
	WLAN802.11a/b/g/n/ac/ax (20M/40M/80M/160M)	1		
	Bluetooth	1		
TX Frequency Range (MHz)	GSM850	824	–	849
	GSM1900	1850	–	1910
	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
	LTE FDD Band 12	699	–	716
	LTE FDD Band 17	704	–	716

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TX Frequency Range (MHz)	LTE FDD Band 25	1850	–	1915
	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
	LTE FDD Band 71	663	–	698
	n2	1850	–	1910
	n5	824	–	849
	n7	2500	–	2570
	n12	699	–	716
	n25	1850	–	1915
	n38	2570	–	2620
	n66	1710	–	1780
	n77	3700	–	3980
	WLAN802.11 b/g/n/ax(20M)	2412	–	2462
	WLAN802.11 n/ax(40M)	2422	–	2452
	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 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 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	

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TX Frequency Range (MHz)	Bluetooth	2402	—	2480
Channel Number (ARFCN)	GSM850	128	—	251
	GSM1900	512	—	810
	WCDMA Band II	9262	—	9538
	WCDMA Band IV	1312	—	1513
	WCDMA Band V	4132	—	4233
	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 17	23755	—	23825
	LTE FDD Band 25	26047	—	26683
	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
	LTE FDD Band 71	133147	—	133447
	n2	370500	—	381500
	n5	165300	—	169300
	n7	500500	—	513500
	n12	140300	—	142200
	n25	370500	—	382500
	n38	516000	—	522000
	n66	342500	—	354500
	n77	647000	—	665000

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Channel Number (ARFCN)	WLAN802.11 b/g/n/ax(20M)	1	–	11
	WLAN802.11 n/ax(40M)	3	–	9
	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 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 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
	Bluetooth	0	–	78

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WWAN

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Head	GSM 850	0.78	0.94	☐Left ☒Right ☒Cheek ☐Tilt 251 Channel

5G NR

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Head	n77	1.12	1.18	☐Left ☒Right ☒Cheek ☐Tilt 657200 Channel

WLAN Antenna

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Head	WLAN802.11 b	0.81	0.85	☒Left ☐Right ☐Cheek ☒Tilt 11 Channel
	WLAN802.11ac(80M) 5.8G	0.74	0.75	☐Left ☒Right ☒Cheek ☐Tilt 155 Channel
	Bluetooth	0.18	0.23	☒Left ☐Right ☐Cheek ☒Tilt 78 Channel

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WWAN

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Body-worn	GSM 850	0.16	0.23	☒Front ☐Back 128 Channel

WLAN Antenna

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Body-worn	WLAN802.11ac(80M) 5.6G	0.37	0.38	☐Front ☒Back 106 Channel
	Bluetooth	0.02	0.03	☐Front ☒Back 78 Channel

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WWAN

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Hotspot mode	LTE Band 7	0.75	1.02	☐Front ☐Back ☐Top ☐Right ☐Left ☒Bottom 21350 Channel

5G NR

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Hotspot mode	n38	1.03	1.15	☐Front ☒Back ☐Top ☐Right ☐Left ☒Bottom 518000 Channel

WLAN Antenna

Max. SAR (1-g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Hotspot mode	WLAN802.11 b	0.24	0.25	☐Front ☐Back ☐Top ☐Right ☒Left ☐Bottom 6 Channel
	WLAN802.11ac(80M) 5.2G	0.46	0.47	☐Front ☒Back ☐Top ☐Right ☐Left ☐Bottom 42 Channel
	Bluetooth	0.06	0.08	☐Front ☐Back ☐Top ☐Right ☒Left ☐Bottom 78 Channel

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5G NR

Max. SAR (10 g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Product specific 10-g SAR	n77	3.48	3.55	☐Front ☐Back ☐Top ☐Right ☒Left ☐Bottom 647333 Channel

WLAN Antenna

Max. SAR (10 g) (Unit: W/Kg)				
Mode	Band	Measured	Reported	Position / Channel
Product specific 10-g SAR	WLAN802.11ac(80M) 5.3G	0.78	0.79	☐Front ☒Back ☐Top ☐Right ☐Left ☐Bottom 58 Channel
	Bluetooth	0.20	0.26	☐Front ☐Back ☒Top ☐Right ☐Left ☐Bottom 78 Channel

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2G power table

ANT1

GSM 850 - conducted power table:

EUT mode	Frequency (MHz)	CH	Max. Rated Avg. Power + Max.Tolerance (dBm)	Burst average power	Source-based time average power
				Avg. (dBm)	Avg. (dBm)
GSM 850 (GMSK)	824.2	128	33.5	32.56	23.53
	836.6	190	33.5	33.08	24.05
	848.8	251	33.5	32.92	23.89
The division factor compared to the number of TX time slot					
Division factor				1 TX time slot	
				-9.03	

GPRS 850 - conducted power table:

Burst average power				
Max. Rated Avg. Power + Max. Tolerance (dBm)			33.5	33.5
			1Dn1UP	1Dn2UP
EUT mode	Frequency (MHz)	CH	Avg. (dBm)	Avg. (dBm)
GPRS 850 (GMSK)	824.2	128	32.71	32.23
	836.6	190	33.15	32.84
	848.8	251	32.96	32.70
Source-based time average power				
GPRS 850 (GMSK)	824.2	128	23.68	26.21
	836.6	190	24.12	26.82
	848.8	251	23.93	26.68
The division factor compared to the number of TX time slot				
Division factor			1 TX time slot	2 TX time slot
			-9.03	-6.02

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EDGE 850 - conducted power table:

Burst average power				
Max. Rated Avg. Power + Max. Tolerance (dBm)			28.5	28.5
			1Dn1UP	1Dn2UP
EUT mode	Frequency (MHz)	CH	Avg. (dBm)	Avg. (dBm)
EDGE 850 (8PSK)	824.2	128	27.02	26.67
	836.6	190	27.26	26.61
	848.8	251	27.13	26.56
Source-based time average power				
EDGE 850 (8PSK)	824.2	128	17.99	20.65
	836.6	190	18.23	20.59
	848.8	251	18.10	20.54
The division factor compared to the number of TX time slot				
Division factor			1 TX time slot	2 TX time slot
			-9.03	-6.02

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ANT3

GSM 850 - conducted power table:

EUT mode	Frequency (MHz)	CH	Max. Rated Avg. Power + Max.Tolerance (dBm)	Burst average power	Source-based time average power
				Avg. (dBm)	Avg. (dBm)
GSM 850 (GMSK)	824.2	128	33	31.74	22.71
	836.6	190	33	32.35	23.32
	848.8	251	33	32.17	23.14
The division factor compared to the number of TX time slot					
Division factor				1 TX time slot	
				-9.03	

GPRS 850 - conducted power table:

Burst average power				
Max. Rated Avg. Power + Max. Tolerance (dBm)			33	33
			1Dn1UP	1Dn2UP
EUT mode	Frequency (MHz)	CH	Avg. (dBm)	Avg. (dBm)
GPRS 850 (GMSK)	824.2	128	31.75	31.22
	836.6	190	32.36	32.06
	848.8	251	32.19	31.96
Source-based time average power				
GPRS 850 (GMSK)	824.2	128	22.72	25.20
	836.6	190	23.33	26.04
	848.8	251	23.16	25.94
The division factor compared to the number of TX time slot				
Division factor			1 TX time slot	2 TX time slot
			-9.03	-6.02

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EDGE 850 - conducted power table:

Burst average power				
Max. Rated Avg. Power + Max. Tolerance (dBm)			28	28
			1Dn1UP	1Dn2UP
EUT mode	Frequency (MHz)	CH	Avg. (dBm)	Avg. (dBm)
EDGE 850 (8PSK)	824.2	128	26.41	26.03
	836.6	190	26.72	26.31
	848.8	251	26.71	26.37
Source-based time average power				
EDGE 850 (8PSK)	824.2	128	17.38	20.01
	836.6	190	17.69	20.29
	848.8	251	17.68	20.35
The division factor compared to the number of TX time slot				
Division factor			1 TX time slot	2 TX time slot
			-9.03	-6.02

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ANT3 (Calling mode with WLAN power)
GSM 850 - conducted power table:

EUT mode	Frequency (MHz)	CH	Max. Rated Avg. Power + Max.Tolerance (dBm)	Burst average power	Source-based time average power
				Avg. (dBm)	Avg. (dBm)
GSM 850 (GMSK)	824.2	128	32	31.74	22.71
	836.6	190	32	31.99	22.96
	848.8	251	32	31.95	22.92
The division factor compared to the number of TX time slot					
Division factor				1 TX time slot	
				-9.03	

GPRS 850 - conducted power table:

Burst average power				
Max. Rated Avg. Power + Max. Tolerance (dBm)			32	32
			1Dn1UP	1Dn2UP
EUT mode	Frequency (MHz)	CH	Avg. (dBm)	Avg. (dBm)
GPRS 850 (GMSK)	824.2	128	31.74	31.12
	836.6	190	31.99	31.02
	848.8	251	31.95	31.76
Source-based time average power				
GPRS 850 (GMSK)	824.2	128	22.71	25.10
	836.6	190	22.96	25.00
	848.8	251	22.92	25.74
The division factor compared to the number of TX time slot				
Division factor			1 TX time slot	2 TX time slot
			-9.03	-6.02

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ANT2

GSM 1900 - conducted power table:

EUT mode	Frequency (MHz)	CH	Max. Rated Avg. Power + Max.Tolerance (dBm)	Burst average power	Source-based time average power
				Avg. (dBm)	Avg. (dBm)
GSM1900 (GMSK)	1850.2	512	30.5	29.27	20.24
	1800	661	30.5	29.44	20.41
	1909.8	810	30.5	29.17	20.14
The division factor compared to the number of TX time slot					
Division factor				1 TX time slot	
				-9.03	

GPRS 1900 - conducted power table:

Burst average power				
Max. Rated Avg. Power + Max. Tolerance (dBm)			30.5	30.5
			1Dn1UP	1Dn2UP
EUT mode	Frequency (MHz)	CH	Avg. (dBm)	Avg. (dBm)
GPRS 1900 (GMSK)	1850.2	512	29.04	29.20
	1880	661	29.27	29.41
	1909.8	810	28.96	29.16
Source-based time average power				
GPRS 1900 (GMSK)	1850.2	512	20.01	23.18
	1880	661	20.24	23.39
	1909.8	810	19.93	23.14
The division factor compared to the number of TX time slot				
Division factor			1 TX time slot	2 TX time slot
			-9.03	-6.02

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EDGE 1900 - conducted power table:

Burst average power				
Max. Rated Avg. Power + Max. Tolerance (dBm)			27.5	27.5
			1Dn1UP	1Dn2UP
EUT mode	Frequency (MHz)	CH	Avg. (dBm)	Avg. (dBm)
EDGE 1900 (8PSK)	1850.2	512	25.67	25.61
	1880	661	25.81	25.88
	1909.8	810	25.79	25.78
Source-based time average power				
EDGE 1900 (8PSK)	1850.2	512	16.64	19.59
	1880	661	16.78	19.86
	1909.8	810	16.76	19.76
The division factor compared to the number of TX time slot				
Division factor			1 TX time slot	2 TX time slot
			-9.03	-6.02

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3G power table

WCDMA Band II / Band IV / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA
Conducted power table (Unit: dBm):

Band		WCDMA II_ANT2		
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	22.54	22.73	23.09
3GPP Rel 5	HSDPA Subtest-1	21.45	21.67	22.00
	HSDPA Subtest-2	21.46	21.67	22.09
	HSDPA Subtest-3	20.98	21.23	21.56
	HSDPA Subtest-4	20.98	21.18	21.56
3GPP Rel 6	HSUPA Subtest-1	21.47	21.65	22.09
	HSUPA Subtest-2	21.00	21.16	21.50
	HSUPA Subtest-3	21.46	21.68	22.00
	HSUPA Subtest-4	20.98	21.18	21.57
	HSUPA Subtest-5	21.48	21.71	22.09
3GPP Rel 7	HSUPA Subtest-1	21.53	21.71	22.06
3GPP Rel 8	HSUPA Subtest-2	21.51	21.67	22.07
	HSUPA Subtest-3	21.52	21.69	22.02
	HSUPA Subtest-4	20.98	21.22	21.57
	HSUPA Subtest-5	21.03	21.17	21.51

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Band		WCDMA IV_ANT2		
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	23.31	23.03	23.47
3GPP Rel 5	HSDPA Subtest-1	22.24	22.00	22.42
	HSDPA Subtest-2	22.26	22.03	22.44
	HSDPA Subtest-3	21.74	21.53	21.89
	HSDPA Subtest-4	21.77	21.44	21.89
3GPP Rel 6	HSUPA Subtest-1	22.29	22.01	22.44
	HSUPA Subtest-2	21.75	21.44	21.94
	HSUPA Subtest-3	22.24	21.99	22.39
	HSUPA Subtest-4	21.78	21.46	21.88
	HSUPA Subtest-5	22.30	22.02	22.38
3GPP Rel 7	HSUPA Subtest-1	22.23	21.96	22.47
3GPP Rel 8	HSUPA Subtest-2	22.24	22.02	22.41
	HSUPA Subtest-3	22.27	21.99	22.42
	HSUPA Subtest-4	21.81	21.47	21.94
	HSUPA Subtest-5	21.76	21.53	21.88
Band		WCDMA V_ANT1		
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	23.74	23.89	23.68
3GPP Rel 5	HSDPA Subtest-1	22.65	22.80	22.67
	HSDPA Subtest-2	22.72	22.85	22.62
	HSDPA Subtest-3	22.24	22.30	22.13
	HSDPA Subtest-4	22.22	22.33	22.12
3GPP Rel 6	HSUPA Subtest-1	22.71	22.84	22.61
	HSUPA Subtest-2	22.24	22.34	22.15
	HSUPA Subtest-3	22.71	22.80	22.65
	HSUPA Subtest-4	22.17	22.31	22.09
	HSUPA Subtest-5	22.74	22.86	22.60
3GPP Rel 7	HSUPA Subtest-1	22.72	22.89	22.62
3GPP Rel 8	HSUPA Subtest-2	22.66	22.80	22.61
	HSUPA Subtest-3	22.65	22.88	22.60
	HSUPA Subtest-4	22.15	22.35	22.18
	HSUPA Subtest-5	22.22	22.35	22.15

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Band		WCDMA V_ANT3		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**23.50**		
3GPP Rel 99	RMC 12.2Kbps	22.71	22.87	22.62
3GPP Rel 5	HSDPA Subtest-1	21.62	21.74	21.64
	HSDPA Subtest-2	21.71	21.84	21.59
	HSDPA Subtest-3	21.21	21.24	21.06
	HSDPA Subtest-4	21.14	21.32	21.04
3GPP Rel 6	HSUPA Subtest-1	21.67	21.81	21.60
	HSUPA Subtest-2	21.17	21.27	21.11
	HSUPA Subtest-3	21.62	21.71	21.56
	HSUPA Subtest-4	21.11	21.24	21.07
	HSUPA Subtest-5	21.65	21.83	21.58
3GPP Rel 7	HSUPA Subtest-1	21.71	21.88	21.56
3GPP Rel 8	HSUPA Subtest-2	21.56	21.70	21.58
	HSUPA Subtest-3	21.58	21.87	21.52
	HSUPA Subtest-4	21.10	21.30	21.12
	HSUPA Subtest-5	21.13	21.27	21.08

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Band		WCDMA V_ANT3 (Calling mode with WLAN power)		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**23.50**		
3GPP Rel 99	RMC 12.2Kbps	22.71	22.87	22.62
3GPP Rel 5	HSDPA Subtest-1	21.62	21.74	21.64
	HSDPA Subtest-2	21.71	21.84	21.59
	HSDPA Subtest-3	21.21	21.24	21.06
	HSDPA Subtest-4	21.14	21.32	21.04
3GPP Rel 6	HSUPA Subtest-1	21.67	21.81	21.60
	HSUPA Subtest-2	21.17	21.27	21.11
	HSUPA Subtest-3	21.62	21.71	21.56
	HSUPA Subtest-4	21.11	21.24	21.07
	HSUPA Subtest-5	21.65	21.83	21.58
3GPP Rel 7	HSUPA Subtest-1	21.71	21.88	21.56
3GPP Rel 8	HSUPA Subtest-2	21.56	21.70	21.58
	HSUPA Subtest-3	21.58	21.87	21.52
	HSUPA Subtest-4	21.10	21.30	21.12
	HSUPA Subtest-5	21.13	21.27	21.08

Subtests for WCDMA Release 5 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

Subtests for WCDMA Release 6 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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4G power table

LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 17 / Band 25 / Band 26 / Band 30 / Band 66 / Band 71 - conducted power table:

LTE Band 2_ANT2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				18700	18900	19100		
20	QPSK	1	0	22.38	22.38	22.42	24.00	0
		1	50	22.33	22.27	22.41	24.00	0
		1	99	22.37	22.36	22.40	24.00	0
		50	0	21.55	21.44	21.62	23.00	0-1
		50	25	21.48	21.41	21.60	23.00	0-1
		50	50	21.30	21.42	21.61	23.00	0-1
		100	0	21.39	21.44	21.49	23.00	0-1
	16-QAM	1	0	21.13	21.31	21.39	23.00	0-1
		1	50	21.16	21.35	21.39	23.00	0-1
		1	99	21.05	21.33	21.34	23.00	0-1
		50	0	20.10	20.30	20.26	22.00	0-2
		50	25	20.09	20.23	20.31	22.00	0-2
		50	50	20.06	20.33	20.37	22.00	0-2
		100	0	20.06	20.25	20.36	22.00	0-2
	64-QAM	1	0	20.12	20.32	20.26	22.00	0-2
		1	50	20.03	20.25	20.39	22.00	0-2
		1	99	20.09	20.35	20.35	22.00	0-2
		50	0	19.10	19.27	19.35	21.00	0-3
		50	25	19.16	19.33	19.33	21.00	0-3
		50	50	19.07	19.22	19.30	21.00	0-3
		100	0	19.03	19.32	19.36	21.00	0-3
Frequency (MHz)				1857.5	1880	1902.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				18675	18900	19125		
15	QPSK	1	0	22.14	22.31	22.39	24.00	0
		1	36	22.02	22.26	22.26	24.00	0
		1	74	22.10	22.22	22.29	24.00	0
		36	0	21.11	21.28	21.36	23.00	0-1
		36	18	21.04	21.33	21.37	23.00	0-1
		36	37	21.12	21.28	21.38	23.00	0-1
		75	0	21.06	21.29	21.31	23.00	0-1
	16-QAM	1	0	21.07	21.31	21.30	23.00	0-1
		1	36	21.14	21.22	21.34	23.00	0-1
		1	74	21.11	21.30	21.34	23.00	0-1
		36	0	20.06	20.24	20.37	22.00	0-2
		36	18	20.10	20.29	20.30	22.00	0-2
		36	37	20.11	20.26	20.26	22.00	0-2
		75	0	20.05	20.28	20.37	22.00	0-2
	64-QAM	1	0	20.02	20.31	20.29	22.00	0-2
		1	36	20.12	20.29	20.37	22.00	0-2
		1	74	20.09	20.32	20.34	22.00	0-2
		36	0	19.10	19.22	19.28	21.00	0-3
		36	18	19.11	19.32	19.30	21.00	0-3
		36	37	19.10	19.36	19.31	21.00	0-3
		75	0	19.13	19.33	19.30	21.00	0-3

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LTE Band 2_ANT2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				18650	18900	19150		
10	QPSK	1	0	22.15	22.28	22.32	24.00	0
		1	25	22.15	22.24	22.39	24.00	0
		1	49	22.13	22.34	22.30	24.00	0
		25	0	21.16	21.24	21.26	23.00	0-1
		25	12	21.16	21.36	21.26	23.00	0-1
		25	25	21.11	21.31	21.32	23.00	0-1
		50	0	21.14	21.27	21.30	23.00	0-1
	16-QAM	1	0	21.15	21.31	21.38	23.00	0-1
		1	25	21.13	21.27	21.28	23.00	0-1
		1	49	21.13	21.36	21.27	23.00	0-1
		25	0	20.11	20.24	20.32	22.00	0-2
		25	12	20.14	20.33	20.35	22.00	0-2
		25	25	20.09	20.28	20.32	22.00	0-2
		50	0	20.16	20.34	20.38	22.00	0-2
	64-QAM	1	0	20.03	20.22	20.26	22.00	0-2
		1	25	20.11	20.28	20.26	22.00	0-2
		1	49	20.02	20.27	20.35	22.00	0-2
		25	0	19.15	19.35	19.34	21.00	0-3
		25	12	19.09	19.30	19.29	21.00	0-3
		25	25	19.04	19.35	19.40	21.00	0-3
		50	0	19.08	19.32	19.36	21.00	0-3
Frequency (MHz)				1852.5	1880	1907.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				18625	18900	19175		
5	QPSK	1	0	22.03	22.35	22.32	24.00	0
		1	12	22.12	22.32	22.33	24.00	0
		1	24	22.10	22.26	22.39	24.00	0
		12	0	21.12	21.23	21.39	23.00	0-1
		12	6	21.02	21.29	21.31	23.00	0-1
		12	13	21.10	21.29	21.29	23.00	0-1
		25	0	21.02	21.22	21.31	23.00	0-1
	16-QAM	1	0	21.04	21.28	21.28	23.00	0-1
		1	12	21.02	21.30	21.38	23.00	0-1
		1	24	21.13	21.28	21.32	23.00	0-1
		12	0	20.06	20.22	20.30	22.00	0-2
		12	6	20.03	20.28	20.31	22.00	0-2
		12	13	20.16	20.31	20.33	22.00	0-2
		25	0	20.09	20.27	20.40	22.00	0-2
	64-QAM	1	0	20.06	20.25	20.28	22.00	0-2
		1	12	20.12	20.28	20.37	22.00	0-2
		1	24	20.04	20.35	20.28	22.00	0-2
		12	0	19.07	19.29	19.37	21.00	0-3
		12	6	19.09	19.28	19.32	21.00	0-3
		12	13	19.06	19.24	19.28	21.00	0-3
		25	0	19.04	19.28	19.35	21.00	0-3

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LTE Band 2_ANT2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1880	1908.5		
Channel				18615	18900	19185		
3	QPSK	1	0	22.27	22.35	22.38	24.00	0
		1	12	22.18	22.23	22.36	24.00	0
		1	24	22.35	22.27	22.32	24.00	0
		12	0	21.22	21.32	21.44	23.00	0-1
		12	6	21.34	21.34	21.53	23.00	0-1
		12	13	21.53	21.34	21.52	23.00	0-1
		25	0	21.24	21.29	21.43	23.00	0-1
	16-QAM	1	0	21.02	21.28	21.24	23.00	0-1
		1	12	21.06	21.22	21.31	23.00	0-1
		1	24	20.89	21.20	21.24	23.00	0-1
		12	0	20.05	20.16	20.15	22.00	0-2
		12	6	20.04	20.16	20.26	22.00	0-2
		12	13	20.02	20.28	20.30	22.00	0-2
		25	0	19.95	20.19	20.24	22.00	0-2
	64-QAM	1	0	20.03	20.27	20.14	22.00	0-2
		1	12	19.88	20.17	20.24	22.00	0-2
		1	24	20.07	20.28	20.28	22.00	0-2
		12	0	18.94	19.13	19.28	21.00	0-3
		12	6	19.08	19.18	19.23	21.00	0-3
		12	13	18.92	19.19	19.14	21.00	0-3
		25	0	18.94	19.21	19.26	21.00	0-3
Frequency (MHz)				1850.7	1880	1909.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				18607	18900	19193		
1.4	QPSK	1	0	22.29	22.23	22.28	24.00	0
		1	12	22.18	22.17	22.31	24.00	0
		1	24	22.22	22.28	22.24	24.00	0
		12	0	21.14	21.39	21.40	23.00	0-1
		12	6	21.45	21.32	21.59	23.00	0-1
		12	13	21.43	21.40	21.58	23.00	0-1
		25	0	21.33	21.36	21.34	23.00	0-1
	16-QAM	1	0	21.11	21.21	21.33	23.00	0-1
		1	12	21.06	21.27	21.32	23.00	0-1
		1	24	20.99	21.31	21.22	23.00	0-1
		12	0	19.96	20.17	20.14	22.00	0-2
		12	6	20.04	20.19	20.26	22.00	0-2
		12	13	20.03	20.30	20.25	22.00	0-2
		25	0	20.03	20.11	20.26	22.00	0-2
	64-QAM	1	0	20.03	20.29	20.10	22.00	0-2
		1	12	19.90	20.20	20.30	22.00	0-2
		1	24	20.00	20.33	20.26	22.00	0-2
		12	0	18.96	19.14	19.31	21.00	0-3
		12	6	19.07	19.20	19.27	21.00	0-3
		12	13	18.99	19.19	19.26	21.00	0-3
		25	0	19.01	19.17	19.34	21.00	0-3

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LTE Band 4_ANT2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1732.5	1745		
Channel				20050	20175	20300		
20	QPSK	1	0	22.34	22.38	22.51	24.00	0
		1	50	22.12	22.28	22.06	24.00	0
		1	99	22.33	22.24	22.17	24.00	0
		50	0	21.43	21.45	21.57	23.00	0-1
		50	25	21.32	21.51	21.28	23.00	0-1
		50	50	21.35	21.41	21.09	23.00	0-1
		100	0	21.34	21.31	21.44	23.00	0-1
	16-QAM	1	0	21.18	21.18	21.36	23.00	0-1
		1	50	21.23	21.17	21.44	23.00	0-1
		1	99	21.28	21.13	21.36	23.00	0-1
		50	0	20.31	20.24	20.36	22.00	0-2
		50	25	20.25	20.23	20.43	22.00	0-2
		50	50	20.19	20.23	20.36	22.00	0-2
		100	0	20.24	20.22	20.46	22.00	0-2
	64-QAM	1	0	20.29	20.25	20.42	22.00	0-2
		1	50	20.18	20.26	20.37	22.00	0-2
		1	99	20.23	20.16	20.46	22.00	0-2
		50	0	19.25	19.23	19.41	21.00	0-3
		50	25	19.21	19.12	19.45	21.00	0-3
		50	50	19.18	19.25	19.46	21.00	0-3
		100	0	19.27	19.23	19.41	21.00	0-3
Frequency (MHz)				1717.5	1732.5	1747.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20025	20175	20325		
15	QPSK	1	0	22.25	22.16	22.42	24.00	0
		1	36	22.21	22.24	22.39	24.00	0
		1	74	22.18	22.16	22.45	24.00	0
		36	0	21.25	21.16	21.47	23.00	0-1
		36	18	21.23	21.21	21.42	23.00	0-1
		36	37	21.32	21.21	21.45	23.00	0-1
		75	0	21.18	21.22	21.40	23.00	0-1
	16-QAM	1	0	21.32	21.15	21.37	23.00	0-1
		1	36	21.23	21.13	21.49	23.00	0-1
		1	74	21.19	21.20	21.43	23.00	0-1
		36	0	20.19	20.23	20.49	22.00	0-2
		36	18	20.18	20.23	20.43	22.00	0-2
		36	37	20.24	20.18	20.48	22.00	0-2
		75	0	20.19	20.16	20.40	22.00	0-2
	64-QAM	1	0	20.18	20.12	20.41	22.00	0-2
		1	36	20.29	20.17	20.41	22.00	0-2
		1	74	20.21	20.24	20.48	22.00	0-2
		36	0	19.28	19.15	19.48	21.00	0-3
		36	18	19.29	19.22	19.45	21.00	0-3
		36	37	19.24	19.23	19.39	21.00	0-3
		75	0	19.28	19.20	19.36	21.00	0-3

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LTE Band 4_ANT2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	22.24	22.17	22.42	24.00	0
		1	25	22.22	22.13	22.40	24.00	0
		1	49	22.20	22.12	22.47	24.00	0
		25	0	21.25	21.26	21.46	23.00	0-1
		25	12	21.29	21.24	21.40	23.00	0-1
		25	25	21.22	21.19	21.47	23.00	0-1
		50	0	21.20	21.19	21.43	23.00	0-1
	16-QAM	1	0	21.23	21.17	21.42	23.00	0-1
		1	25	21.30	21.16	21.46	23.00	0-1
		1	49	21.20	21.13	21.44	23.00	0-1
		25	0	20.28	20.26	20.42	22.00	0-2
		25	12	20.23	20.24	20.37	22.00	0-2
		25	25	20.25	20.12	20.49	22.00	0-2
		50	0	20.18	20.19	20.42	22.00	0-2
	64-QAM	1	0	20.26	20.26	20.42	22.00	0-2
		1	25	20.18	20.22	20.41	22.00	0-2
		1	49	20.27	20.22	20.41	22.00	0-2
		25	0	19.19	19.22	19.45	21.00	0-3
		25	12	19.22	19.25	19.35	21.00	0-3
		25	25	19.19	19.16	19.40	21.00	0-3
		50	0	19.27	19.16	19.41	21.00	0-3
Frequency (MHz)				1712.5	1732.5	1752.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				19975	20175	20375		
5	QPSK	1	0	22.24	22.13	22.48	24.00	0
		1	12	22.27	22.19	22.37	24.00	0
		1	24	22.22	22.12	22.45	24.00	0
		12	0	21.28	21.16	21.46	23.00	0-1
		12	6	21.26	21.26	21.44	23.00	0-1
		12	13	21.32	21.13	21.39	23.00	0-1
		25	0	21.22	21.16	21.38	23.00	0-1
	16-QAM	1	0	21.20	21.12	21.42	23.00	0-1
		1	12	21.32	21.13	21.38	23.00	0-1
		1	24	21.22	21.24	21.42	23.00	0-1
		12	0	20.27	20.23	20.36	22.00	0-2
		12	6	20.29	20.20	20.46	22.00	0-2
		12	13	20.21	20.20	20.46	22.00	0-2
		25	0	20.19	20.16	20.42	22.00	0-2
	64-QAM	1	0	20.19	20.17	20.47	22.00	0-2
		1	12	20.18	20.22	20.36	22.00	0-2
		1	24	20.19	20.24	20.41	22.00	0-2
		12	0	19.28	19.23	19.49	21.00	0-3
		12	6	19.28	19.23	19.49	21.00	0-3
		12	13	19.32	19.23	19.36	21.00	0-3
		25	0	19.28	19.26	19.38	21.00	0-3

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LTE Band 4_ANT2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	22.22	22.16	22.48	24.00	0
		1	7	22.32	22.19	22.40	24.00	0
		1	14	22.28	22.25	22.45	24.00	0
		8	0	21.26	21.21	21.35	23.00	0-1
		8	4	21.20	21.23	21.37	23.00	0-1
		8	7	21.25	21.23	21.47	23.00	0-1
		15	0	21.27	21.12	21.48	23.00	0-1
	16-QAM	1	0	21.21	21.19	21.49	23.00	0-1
		1	7	21.20	21.20	21.36	23.00	0-1
		1	14	21.22	21.24	21.44	23.00	0-1
		8	0	20.21	20.26	20.41	22.00	0-2
		8	4	20.28	20.25	20.48	22.00	0-2
		8	7	20.27	20.26	20.35	22.00	0-2
		15	0	20.25	20.23	20.47	22.00	0-2
	64-QAM	1	0	20.31	20.19	20.47	22.00	0-2
		1	7	20.31	20.19	20.41	22.00	0-2
		1	14	20.30	20.12	20.39	22.00	0-2
		8	0	19.32	19.22	19.37	21.00	0-3
		8	4	19.28	19.21	19.36	21.00	0-3
		8	7	19.19	19.20	19.37	21.00	0-3
		15	0	19.24	19.19	19.49	21.00	0-3
Frequency (MHz)				1710.7	1732.5	1754.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				19957	20175	20393		
1.4	QPSK	1	0	22.32	22.14	22.38	24.00	0
		1	2	22.28	22.25	22.47	24.00	0
		1	5	22.30	22.25	22.42	24.00	0
		3	0	22.32	22.21	22.44	24.00	0
		3	2	22.24	22.24	22.36	24.00	0
		3	3	22.29	22.13	22.44	24.00	0
		6	0	21.27	21.21	21.47	23.00	0-1
	16-QAM	1	0	21.28	21.18	21.36	23.00	0-1
		1	2	21.32	21.23	21.40	23.00	0-1
		1	5	21.19	21.20	21.45	23.00	0-1
		3	0	21.30	21.21	21.35	23.00	0-1
		3	2	21.29	21.26	21.38	23.00	0-1
		3	3	21.26	21.22	21.44	23.00	0-1
		6	0	20.29	20.21	20.46	22.00	0-2
	64-QAM	1	0	20.24	20.12	20.47	22.00	0-2
		1	2	20.21	20.26	20.38	22.00	0-2
		1	5	20.18	20.25	20.42	22.00	0-2
		3	0	20.19	20.21	20.38	22.00	0-2
		3	2	20.28	20.14	20.41	22.00	0-2
		3	3	20.24	20.19	20.36	22.00	0-2
		6	0	19.19	19.25	19.40	21.00	0-3

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LTE Band 5_ANT1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				20450	20525	20600		
10	QPSK	1	0	23.20	23.05	22.95	24.00	0
		1	25	23.09	22.99	22.78	24.00	0
		1	49	23.04	22.82	22.74	24.00	0
		25	0	22.27	22.07	22.02	23.00	0-1
		25	12	22.21	22.03	21.99	23.00	0-1
		25	25	22.18	21.98	21.85	23.00	0-1
		50	0	22.23	22.07	21.97	23.00	0-1
	16-QAM	1	0	22.16	21.90	21.90	23.00	0-1
		1	25	22.17	21.98	21.91	23.00	0-1
		1	49	22.08	21.91	21.92	23.00	0-1
		25	0	21.12	21.00	20.84	22.00	0-2
		25	12	21.18	20.96	20.91	22.00	0-2
		25	25	21.17	21.02	20.88	22.00	0-2
		50	0	21.05	20.92	20.88	22.00	0-2
	64-QAM	1	0	21.05	20.91	20.80	22.00	0-2
		1	25	21.13	21.00	20.85	22.00	0-2
		1	49	21.18	21.02	20.83	22.00	0-2
		25	0	20.08	19.92	19.90	21.00	0-3
		25	12	20.14	19.96	19.80	21.00	0-3
		25	25	20.11	20.02	19.93	21.00	0-3
		50	0	20.17	19.92	19.84	21.00	0-3
Frequency (MHz)				826.5	836.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20425	20525	20625		
5	QPSK	1	0	23.07	22.96	22.90	24.00	0
		1	12	23.16	22.99	22.91	24.00	0
		1	24	23.11	22.90	22.88	24.00	0
		12	0	22.10	21.98	21.80	23.00	0-1
		12	6	22.04	21.96	21.85	23.00	0-1
		12	13	22.17	21.95	21.93	23.00	0-1
		25	0	22.14	21.93	21.84	23.00	0-1
	16-QAM	1	0	22.10	21.97	21.84	23.00	0-1
		1	12	22.05	22.00	21.90	23.00	0-1
		1	24	22.11	21.90	21.81	23.00	0-1
		12	0	21.06	20.98	20.86	22.00	0-2
		12	6	21.04	20.89	20.82	22.00	0-2
		12	13	21.17	20.96	20.80	22.00	0-2
		25	0	21.15	20.92	20.86	22.00	0-2
	64-QAM	1	0	21.05	20.97	20.88	22.00	0-2
		1	12	21.11	20.90	20.79	22.00	0-2
		1	24	21.09	20.98	20.79	22.00	0-2
		12	0	20.17	19.98	19.87	21.00	0-3
		12	6	20.18	19.93	19.92	21.00	0-3
		12	13	20.11	19.89	19.87	21.00	0-3
		25	0	20.10	20.03	19.93	21.00	0-3

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LTE Band 5_ANT1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	23.11	22.91	22.84	24.00	0
		1	7	23.15	22.96	22.90	24.00	0
		1	14	23.10	22.98	22.87	24.00	0
		8	0	22.15	22.01	21.82	23.00	0-1
		8	4	22.04	21.89	21.86	23.00	0-1
		8	7	22.08	21.94	21.92	23.00	0-1
		15	0	22.15	21.97	21.87	23.00	0-1
	16-QAM	1	0	22.16	21.91	21.88	23.00	0-1
		1	7	22.18	21.92	21.79	23.00	0-1
		1	14	22.09	22.00	21.87	23.00	0-1
		8	0	21.05	21.00	20.85	22.00	0-2
		8	4	21.11	21.01	20.92	22.00	0-2
		8	7	21.07	20.98	20.90	22.00	0-2
		15	0	21.15	20.89	20.86	22.00	0-2
	64-QAM	1	0	21.04	20.92	20.80	22.00	0-2
		1	7	21.11	21.03	20.82	22.00	0-2
		1	14	21.09	20.96	20.79	22.00	0-2
		8	0	20.12	19.89	19.84	21.00	0-3
		8	4	20.15	20.01	19.90	21.00	0-3
		8	7	20.17	20.02	19.83	21.00	0-3
		15	0	20.13	19.94	19.83	21.00	0-3
Frequency (MHz)				1710.7	1732.5	1754.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				19957	20175	20393		
1.4	QPSK	1	0	23.08	22.92	22.85	24.00	0
		1	2	23.16	22.93	22.82	24.00	0
		1	5	23.12	22.89	22.91	24.00	0
		3	0	23.05	22.98	22.88	24.00	0
		3	2	23.17	23.02	22.89	24.00	0
		3	3	23.06	22.98	22.91	24.00	0
		6	0	22.13	21.92	21.84	23.00	0-1
	16-QAM	1	0	22.06	21.96	21.85	23.00	0-1
		1	2	22.17	21.91	21.84	23.00	0-1
		1	5	22.13	21.95	21.86	23.00	0-1
		3	0	22.06	21.93	21.86	23.00	0-1
		3	2	22.05	22.00	21.93	23.00	0-1
		3	3	22.05	22.02	21.87	23.00	0-1
		6	0	21.07	20.93	20.90	22.00	0-2
	64-QAM	1	0	21.17	20.92	20.89	22.00	0-2
		1	2	21.15	20.94	20.92	22.00	0-2
		1	5	21.17	20.92	20.81	22.00	0-2
		3	0	21.10	21.01	20.91	22.00	0-2
		3	2	21.13	20.95	20.92	22.00	0-2
		3	3	21.17	21.01	20.85	22.00	0-2
		6	0	20.13	20.00	19.80	21.00	0-3

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LTE Band 5_ANT3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				20450	20525	20600		
10	QPSK	1	0	22.27	22.19	22.12	23.50	0
		1	25	22.21	22.11	21.73	23.50	0
		1	49	22.12	22.03	21.81	23.50	0
		25	0	21.47	21.26	21.15	22.50	0-1
		25	12	21.41	21.24	20.79	22.50	0-1
		25	25	21.38	21.16	21.02	22.50	0-1
		50	0	21.39	21.23	21.13	22.50	0-1
	16-QAM	1	0	21.16	21.05	20.96	22.50	0-1
		1	25	21.21	21.14	21.08	22.50	0-1
		1	49	21.19	21.06	21.01	22.50	0-1
		25	0	20.13	20.06	20.09	21.50	0-2
		25	12	20.14	20.10	20.08	21.50	0-2
		25	25	20.12	20.04	20.08	21.50	0-2
		50	0	20.11	20.13	20.07	21.50	0-2
	64-QAM	1	0	20.17	20.15	20.01	21.50	0-2
		1	25	20.17	20.13	20.07	21.50	0-2
		1	49	20.23	20.08	20.09	21.50	0-2
		25	0	19.12	19.12	19.10	20.50	0-3
		25	12	19.19	19.03	18.98	20.50	0-3
		25	25	19.14	19.11	18.96	20.50	0-3
		50	0	19.12	19.09	19.00	20.50	0-3
Frequency (MHz)				826.5	836.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20425	20525	20625		
5	QPSK	1	0	22.11	22.04	21.97	23.50	0
		1	12	22.25	22.16	21.99	23.50	0
		1	24	22.17	22.03	22.01	23.50	0
		12	0	21.21	21.07	21.09	22.50	0-1
		12	6	21.23	21.07	20.98	22.50	0-1
		12	13	21.20	21.15	20.96	22.50	0-1
		25	0	21.24	21.17	20.97	22.50	0-1
	16-QAM	1	0	21.18	21.04	20.96	22.50	0-1
		1	12	21.23	21.13	20.99	22.50	0-1
		1	24	21.13	21.16	21.07	22.50	0-1
		12	0	20.22	20.08	19.97	21.50	0-2
		12	6	20.12	20.17	19.96	21.50	0-2
		12	13	20.21	20.15	20.00	21.50	0-2
		25	0	20.12	20.13	20.03	21.50	0-2
	64-QAM	1	0	20.19	20.11	19.96	21.50	0-2
		1	12	20.16	20.04	20.00	21.50	0-2
		1	24	20.25	20.08	20.03	21.50	0-2
		12	0	19.15	19.16	19.03	20.50	0-3
		12	6	19.12	19.05	19.01	20.50	0-3
		12	13	19.15	19.15	19.02	20.50	0-3
		25	0	19.23	19.06	19.09	20.50	0-3

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LTE Band 5_ANT3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	22.17	22.11	22.06	23.50	0
		1	7	22.17	22.08	22.00	23.50	0
		1	14	22.22	22.13	22.08	23.50	0
		8	0	21.14	21.17	21.02	22.50	0-1
		8	4	21.17	21.10	21.09	22.50	0-1
		8	7	21.23	21.17	21.06	22.50	0-1
		15	0	21.15	21.09	21.07	22.50	0-1
	16-QAM	1	0	21.18	21.12	20.99	22.50	0-1
		1	7	21.23	21.17	21.01	22.50	0-1
		1	14	21.19	21.14	21.02	22.50	0-1
		8	0	20.23	20.07	20.10	21.50	0-2
		8	4	20.22	20.05	20.04	21.50	0-2
		8	7	20.12	20.13	20.03	21.50	0-2
		15	0	20.22	20.03	19.98	21.50	0-2
	64-QAM	1	0	20.25	20.11	20.08	21.50	0-2
		1	7	20.16	20.09	20.03	21.50	0-2
		1	14	20.20	20.12	20.06	21.50	0-2
		8	0	19.22	19.05	19.06	20.50	0-3
		8	4	19.21	19.17	18.96	20.50	0-3
		8	7	19.12	19.17	19.10	20.50	0-3
		15	0	19.19	19.07	19.07	20.50	0-3
Frequency (MHz)				1710.7	1732.5	1754.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				19957	20175	20393		
1.4	QPSK	1	0	22.16	22.09	22.05	23.50	0
		1	2	22.23	22.05	22.06	23.50	0
		1	5	22.19	22.06	21.98	23.50	0
		3	0	22.14	22.08	22.04	23.50	0
		3	2	22.19	22.12	22.06	23.50	0
		3	3	22.22	22.11	22.10	23.50	0
		6	0	21.13	21.08	21.04	22.50	0-1
	16-QAM	1	0	21.18	21.16	21.00	22.50	0-1
		1	2	21.14	21.06	21.07	22.50	0-1
		1	5	21.16	21.16	21.07	22.50	0-1
		3	0	21.16	21.11	21.03	22.50	0-1
		3	2	21.21	21.08	21.04	22.50	0-1
		3	3	21.13	21.11	20.96	22.50	0-1
		6	0	20.14	20.06	20.00	21.50	0-2
	64-QAM	1	0	20.14	20.15	19.96	21.50	0-2
		1	2	20.24	20.06	19.97	21.50	0-2
		1	5	20.24	20.10	20.08	21.50	0-2
		3	0	20.13	20.06	20.04	21.50	0-2
		3	2	20.20	20.11	20.07	21.50	0-2
		3	3	20.16	20.16	19.99	21.50	0-2
		6	0	19.13	19.07	18.98	20.50	0-3

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LTE Band 7_Ant1_ENDC								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	22.56	22.91	22.52	24.00	0
		1	50	22.53	22.85	22.42	24.00	0
		1	99	22.50	22.87	22.40	24.00	0
		50	0	21.61	21.83	21.45	23.00	0-1
		50	25	21.56	21.82	21.40	23.00	0-1
		50	50	21.45	21.90	21.39	23.00	0-1
		100	0	21.59	21.85	21.40	23.00	0-1
	16-QAM	1	0	21.41	21.80	21.48	23.00	0-1
		1	50	21.54	21.95	21.34	23.00	0-1
		1	99	21.42	21.87	21.45	23.00	0-1
		50	0	20.51	20.83	20.39	22.00	0-2
		50	25	20.57	20.77	20.35	22.00	0-2
		50	50	20.61	20.89	20.41	22.00	0-2
		100	0	20.54	20.85	20.74	22.00	0-2
	64-QAM	1	0	20.60	20.88	20.35	22.00	0-2
		1	50	20.55	20.87	20.42	22.00	0-2
		1	99	20.51	20.91	20.40	22.00	0-2
		50	0	19.51	19.83	19.31	21.00	0-3
		50	25	19.48	19.94	19.42	21.00	0-3
		50	50	19.46	19.78	19.49	21.00	0-3
		100	0	19.48	19.92	19.40	21.00	0-3
Frequency (MHz)				2507.5	2535	2562.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20825	21100	21375		
15	QPSK	1	0	22.48	22.90	22.39	24.00	0
		1	36	22.53	22.89	22.44	24.00	0
		1	74	22.50	22.85	22.47	24.00	0
		36	0	21.60	21.82	21.39	23.00	0-1
		36	18	21.45	21.89	21.35	23.00	0-1
		36	37	21.47	21.82	21.35	23.00	0-1
		75	0	21.53	21.85	21.49	23.00	0-1
	16-QAM	1	0	21.49	21.95	21.37	23.00	0-1
		1	36	21.47	21.81	21.39	23.00	0-1
		1	74	21.41	21.85	21.42	23.00	0-1
		36	0	20.50	20.95	20.48	22.00	0-2
		36	18	20.45	20.74	20.35	22.00	0-2
		36	37	20.51	20.79	20.43	22.00	0-2
		75	0	20.46	20.92	20.39	22.00	0-2
	64-QAM	1	0	20.42	20.84	20.34	22.00	0-2
		1	36	20.51	20.86	20.42	22.00	0-2
		1	74	20.58	20.92	20.38	22.00	0-2
		36	0	19.61	19.90	19.39	21.00	0-3
		36	18	19.57	19.86	19.42	21.00	0-3
		36	37	19.55	19.91	19.33	21.00	0-3
		75	0	19.49	19.83	19.46	21.00	0-3

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LTE Band 7_Ant1_ENDC								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2505	2535	2565		
Channel				20800	21100	21400		
10	QPSK	1	0	22.45	22.85	22.37	24.00	0
		1	25	22.56	22.93	22.50	24.00	0
		1	49	22.51	22.91	22.42	24.00	0
		25	0	21.58	21.89	21.42	23.00	0-1
		25	12	21.53	21.92	21.47	23.00	0-1
		25	25	21.48	21.92	21.43	23.00	0-1
		50	0	21.59	21.90	21.37	23.00	0-1
	16-QAM	1	0	21.56	21.85	21.41	23.00	0-1
		1	25	21.47	21.81	21.37	23.00	0-1
		1	49	21.60	21.90	21.32	23.00	0-1
		25	0	20.44	20.86	20.29	22.00	0-2
		25	12	20.47	20.89	20.50	22.00	0-2
		25	25	20.43	20.82	20.40	22.00	0-2
		50	0	20.55	20.90	20.47	22.00	0-2
	64-QAM	1	0	20.49	20.78	20.34	22.00	0-2
		1	25	20.51	20.78	20.36	22.00	0-2
		1	49	20.50	20.89	20.47	22.00	0-2
		25	0	19.48	19.80	19.52	21.00	0-3
		25	12	19.46	19.78	19.36	21.00	0-3
		25	25	19.52	19.85	19.48	21.00	0-3
		50	0	19.52	19.78	19.34	21.00	0-3
Frequency (MHz)				2502.5	2535	2567.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20775	21100	21425		
5	QPSK	1	0	22.41	22.93	22.33	24.00	0
		1	12	22.61	22.82	22.39	24.00	0
		1	24	22.42	22.84	22.44	24.00	0
		12	0	21.53	21.90	21.46	23.00	0-1
		12	6	21.45	21.91	21.35	23.00	0-1
		12	13	21.54	21.81	21.40	23.00	0-1
		25	0	21.56	21.88	21.45	23.00	0-1
	16-QAM	1	0	21.52	21.89	21.44	23.00	0-1
		1	12	21.57	21.86	21.32	23.00	0-1
		1	24	21.53	21.77	21.40	23.00	0-1
		12	0	20.56	20.83	20.39	22.00	0-2
		12	6	20.57	20.90	20.47	22.00	0-2
		12	13	20.55	20.96	20.31	22.00	0-2
		25	0	20.48	20.83	20.35	22.00	0-2
	64-QAM	1	0	20.53	20.84	20.41	22.00	0-2
		1	12	20.58	20.85	20.30	22.00	0-2
		1	24	20.43	20.93	20.43	22.00	0-2
		12	0	19.48	19.85	19.38	21.00	0-3
		12	6	19.47	19.76	19.39	21.00	0-3
		12	13	19.53	19.93	19.44	21.00	0-3
		25	0	19.56	19.75	19.37	21.00	0-3

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LTE Band 7_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	22.22	22.51	22.64	24.00	0
		1	50	22.02	22.41	22.62	24.00	0
		1	99	21.94	22.47	22.55	24.00	0
		50	0	21.24	21.69	21.77	23.00	0-1
		50	25	21.14	21.93	21.76	23.00	0-1
		50	50	20.95	21.94	21.75	23.00	0-1
		100	0	21.16	21.76	21.83	23.00	0-1
	16-QAM	1	0	21.10	21.18	21.55	23.00	0-1
		1	50	21.10	21.24	21.57	23.00	0-1
		1	99	21.17	21.16	21.62	23.00	0-1
		50	0	20.18	20.23	20.53	22.00	0-2
		50	25	20.16	20.25	20.48	22.00	0-2
		50	50	20.18	20.29	20.55	22.00	0-2
		100	0	20.13	20.17	20.62	22.00	0-2
	64-QAM	1	0	20.17	20.19	20.57	22.00	0-2
		1	50	20.16	20.18	20.60	22.00	0-2
		1	99	20.20	20.16	20.49	22.00	0-2
		50	0	19.19	19.15	19.58	21.00	0-3
		50	25	19.18	19.24	19.53	21.00	0-3
		50	50	19.13	19.26	19.59	21.00	0-3
		100	0	19.14	19.16	19.58	21.00	0-3
Frequency (MHz)				2507.5	2535	2562.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20825	21100	21375		
15	QPSK	1	0	22.14	22.15	22.59	24.00	0
		1	36	22.10	22.25	22.50	24.00	0
		1	74	22.14	22.23	22.49	24.00	0
		36	0	21.15	21.25	21.48	23.00	0-1
		36	18	21.06	21.19	21.50	23.00	0-1
		36	37	21.09	21.29	21.62	23.00	0-1
		75	0	21.14	21.23	21.57	23.00	0-1
	16-QAM	1	0	21.15	21.28	21.52	23.00	0-1
		1	36	21.09	21.15	21.58	23.00	0-1
		1	74	21.06	21.24	21.50	23.00	0-1
		36	0	20.19	20.27	20.55	22.00	0-2
		36	18	20.10	20.21	20.61	22.00	0-2
		36	37	20.08	20.23	20.61	22.00	0-2
		75	0	20.07	20.26	20.55	22.00	0-2
	64-QAM	1	0	20.20	20.18	20.52	22.00	0-2
		1	36	20.20	20.16	20.58	22.00	0-2
		1	74	20.07	20.29	20.50	22.00	0-2
		36	0	19.17	19.20	19.58	21.00	0-3
		36	18	19.20	19.27	19.58	21.00	0-3
		36	37	19.16	19.20	19.48	21.00	0-3
		75	0	19.16	19.23	19.58	21.00	0-3

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LTE Band 7_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2505	2535	2565		
Channel				20800	21100	21400		
10	QPSK	1	0	22.15	22.21	22.59	24.00	0
		1	25	22.13	22.22	22.59	24.00	0
		1	49	22.18	22.27	22.62	24.00	0
		25	0	21.13	21.20	21.52	23.00	0-1
		25	12	21.16	21.16	21.49	23.00	0-1
		25	25	21.11	21.16	21.60	23.00	0-1
		50	0	21.08	21.23	21.56	23.00	0-1
	16-QAM	1	0	21.13	21.19	21.53	23.00	0-1
		1	25	21.20	21.24	21.62	23.00	0-1
		1	49	21.16	21.17	21.55	23.00	0-1
		25	0	20.09	20.26	20.58	22.00	0-2
		25	12	20.10	20.25	20.51	22.00	0-2
		25	25	20.17	20.26	20.51	22.00	0-2
		50	0	20.15	20.29	20.50	22.00	0-2
	64-QAM	1	0	20.20	20.19	20.50	22.00	0-2
		1	25	20.14	20.20	20.50	22.00	0-2
		1	49	20.12	20.15	20.56	22.00	0-2
		25	0	19.10	19.20	19.61	21.00	0-3
		25	12	19.19	19.26	19.56	21.00	0-3
		25	25	19.07	19.23	19.50	21.00	0-3
		50	0	19.19	19.29	19.50	21.00	0-3
Frequency (MHz)				2502.5	2535	2567.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20775	21100	21425		
5	QPSK	1	0	22.20	22.16	22.57	24.00	0
		1	12	22.19	22.27	22.57	24.00	0
		1	24	22.14	22.23	22.51	24.00	0
		12	0	21.18	21.28	21.61	23.00	0-1
		12	6	21.09	21.27	21.55	23.00	0-1
		12	13	21.16	21.25	21.49	23.00	0-1
		25	0	21.14	21.16	21.56	23.00	0-1
	16-QAM	1	0	21.17	21.29	21.48	23.00	0-1
		1	12	21.08	21.22	21.59	23.00	0-1
		1	24	21.20	21.16	21.57	23.00	0-1
		12	0	20.19	20.29	20.55	22.00	0-2
		12	6	20.14	20.21	20.48	22.00	0-2
		12	13	20.14	20.28	20.53	22.00	0-2
		25	0	20.10	20.28	20.61	22.00	0-2
	64-QAM	1	0	20.07	20.19	20.57	22.00	0-2
		1	12	20.13	20.23	20.61	22.00	0-2
		1	24	20.08	20.23	20.50	22.00	0-2
		12	0	19.19	19.24	19.58	21.00	0-3
		12	6	19.10	19.29	19.50	21.00	0-3
		12	13	19.12	19.15	19.54	21.00	0-3
		25	0	19.12	19.25	19.49	21.00	0-3

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LTE Band 12_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				23060	23095	23130		
10	QPSK	1	0	23.08	23.18	23.23	24.00	0
		1	25	23.02	23.16	23.13	24.00	0
		1	49	23.04	23.17	23.14	24.00	0
		25	0	22.16	22.23	22.25	23.00	0-1
		25	12	22.11	22.21	22.22	23.00	0-1
		25	25	22.15	22.19	22.21	23.00	0-1
		50	0	22.21	22.18	22.22	23.00	0-1
	16-QAM	1	0	22.03	22.09	22.13	23.00	0-1
		1	25	21.95	22.10	22.17	23.00	0-1
		1	49	22.06	22.13	22.09	23.00	0-1
		25	0	21.06	21.03	21.09	22.00	0-2
		25	12	21.01	21.06	21.07	22.00	0-2
		25	25	20.93	21.11	21.12	22.00	0-2
		50	0	20.95	21.14	21.18	22.00	0-2
	64-QAM	1	0	20.92	21.05	21.10	22.00	0-2
		1	25	21.03	21.05	21.19	22.00	0-2
		1	49	20.99	21.07	21.12	22.00	0-2
		25	0	19.99	20.04	20.09	21.00	0-3
		25	12	19.96	20.03	20.08	21.00	0-3
		25	25	19.95	20.06	20.15	21.00	0-3
		50	0	19.95	20.02	20.14	21.00	0-3
Frequency (MHz)				701.5	707.5	713.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23035	23095	23155		
5	QPSK	1	0	22.94	23.16	23.10	24.00	0
		1	12	22.99	23.12	23.14	24.00	0
		1	24	22.98	23.09	23.20	24.00	0
		12	0	21.94	22.12	22.18	23.00	0-1
		12	6	21.94	22.06	22.12	23.00	0-1
		12	13	21.93	22.07	22.10	23.00	0-1
		25	0	22.00	22.03	22.21	23.00	0-1
	16-QAM	1	0	22.04	22.07	22.15	23.00	0-1
		1	12	22.02	22.14	22.12	23.00	0-1
		1	24	21.93	22.03	22.08	23.00	0-1
		12	0	20.95	21.04	21.08	22.00	0-2
		12	6	21.02	21.05	21.21	22.00	0-2
		12	13	20.99	21.12	21.21	22.00	0-2
		25	0	20.92	21.14	21.19	22.00	0-2
	64-QAM	1	0	20.95	21.12	21.09	22.00	0-2
		1	12	20.96	21.09	21.07	22.00	0-2
		1	24	21.05	21.16	21.15	22.00	0-2
		12	0	20.03	20.10	20.20	21.00	0-3
		12	6	20.04	20.04	20.20	21.00	0-3
		12	13	20.04	20.07	20.08	21.00	0-3
		25	0	19.92	20.08	20.15	21.00	0-3

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LTE Band 12_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				700.5	707.5	714.5		
Channel				23025	23095	23165		
3	QPSK	1	0	23.05	23.06	23.21	24.00	0
		1	7	22.95	23.14	23.10	24.00	0
		1	14	23.03	23.02	23.07	24.00	0
		8	0	21.98	22.06	22.07	23.00	0-1
		8	4	21.92	22.03	22.13	23.00	0-1
		8	7	22.02	22.08	22.08	23.00	0-1
		15	0	21.99	22.03	22.16	23.00	0-1
	16-QAM	1	0	21.98	22.03	22.09	23.00	0-1
		1	7	21.97	22.03	22.16	23.00	0-1
		1	14	21.94	22.04	22.08	23.00	0-1
		8	0	20.95	21.03	21.18	22.00	0-2
		8	4	20.98	21.07	21.20	22.00	0-2
		8	7	21.06	21.04	21.20	22.00	0-2
		15	0	21.06	21.13	21.12	22.00	0-2
	64-QAM	1	0	20.95	21.07	21.14	22.00	0-2
		1	7	20.99	21.06	21.12	22.00	0-2
		1	14	21.02	21.03	21.12	22.00	0-2
		8	0	19.93	20.05	20.21	21.00	0-3
		8	4	20.01	20.06	20.20	21.00	0-3
		8	7	20.06	20.02	20.10	21.00	0-3
		15	0	19.96	20.05	20.12	21.00	0-3
Frequency (MHz)				699.7	707.5	715.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23017	23095	23173		
1.4	QPSK	1	0	22.98	23.13	23.15	24.00	0
		1	2	22.99	23.02	23.12	24.00	0
		1	5	22.92	23.15	23.10	24.00	0
		3	0	22.94	23.15	23.14	24.00	0
		3	2	22.94	23.02	23.11	24.00	0
		3	3	22.98	23.10	23.13	24.00	0
		6	0	21.94	22.13	22.09	23.00	0-1
	16-QAM	1	0	21.96	22.08	22.16	23.00	0-1
		1	2	21.98	22.15	22.09	23.00	0-1
		1	5	21.96	22.06	22.21	23.00	0-1
		3	0	21.95	22.15	22.17	23.00	0-1
		3	2	22.01	22.15	22.12	23.00	0-1
		3	3	22.03	22.13	22.16	23.00	0-1
		6	0	20.98	21.10	21.07	22.00	0-2
	64-QAM	1	0	20.98	21.16	21.14	22.00	0-2
		1	2	21.04	21.04	21.21	22.00	0-2
		1	5	21.06	21.12	21.12	22.00	0-2
		3	0	20.96	21.12	21.08	22.00	0-2
		3	2	20.92	21.07	21.16	22.00	0-2
		3	3	20.94	21.03	21.08	22.00	0-2
		6	0	20.02	20.16	20.12	21.00	0-3

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LTE Band 12_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				23060	23095	23130		
10	QPSK	1	0	22.26	22.32	22.35	23.50	0
		1	25	22.24	22.29	22.32	23.50	0
		1	49	22.17	22.26	22.34	23.50	0
		25	0	21.51	21.55	21.56	22.50	0-1
		25	12	21.47	21.49	21.53	22.50	0-1
		25	25	21.49	21.48	21.49	22.50	0-1
		50	0	21.47	21.47	21.48	22.50	0-1
	16-QAM	1	0	21.13	21.19	21.19	22.50	0-1
		1	25	21.23	21.16	21.21	22.50	0-1
		1	49	21.14	21.21	21.22	22.50	0-1
		25	0	20.14	20.24	20.23	21.50	0-2
		25	12	20.10	20.19	20.33	21.50	0-2
		25	25	20.18	20.19	20.20	21.50	0-2
		50	0	20.20	20.25	20.33	21.50	0-2
	64-QAM	1	0	20.11	20.17	20.32	21.50	0-2
		1	25	20.16	20.17	20.27	21.50	0-2
		1	49	20.21	20.22	20.30	21.50	0-2
		25	0	19.11	19.25	19.21	20.50	0-3
		25	12	19.19	19.20	19.20	20.50	0-3
		25	25	19.13	19.25	19.25	20.50	0-3
		50	0	19.10	19.28	19.22	20.50	0-3
Frequency (MHz)				701.5	707.5	713.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23035	23095	23155		
5	QPSK	1	0	22.16	22.24	22.32	23.50	0
		1	12	22.15	22.16	22.32	23.50	0
		1	24	22.14	22.22	22.24	23.50	0
		12	0	21.12	21.20	21.25	22.50	0-1
		12	6	21.12	21.17	21.23	22.50	0-1
		12	13	21.12	21.17	21.23	22.50	0-1
		25	0	21.17	21.29	21.30	22.50	0-1
	16-QAM	1	0	21.21	21.27	21.23	22.50	0-1
		1	12	21.20	21.25	21.24	22.50	0-1
		1	24	21.17	21.21	21.30	22.50	0-1
		12	0	20.16	20.23	20.24	21.50	0-2
		12	6	20.17	20.18	20.33	21.50	0-2
		12	13	20.14	20.18	20.33	21.50	0-2
		25	0	20.17	20.25	20.24	21.50	0-2
	64-QAM	1	0	20.22	20.28	20.30	21.50	0-2
		1	12	20.14	20.17	20.27	21.50	0-2
		1	24	20.10	20.28	20.20	21.50	0-2
		12	0	19.23	19.25	19.31	20.50	0-3
		12	6	19.16	19.20	19.19	20.50	0-3
		12	13	19.12	19.16	19.27	20.50	0-3
		25	0	19.20	19.16	19.24	20.50	0-3

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LTE Band 12_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				700.5	707.5	714.5		
Channel				23025	23095	23165		
3	QPSK	1	0	22.21	22.22	22.33	23.50	0
		1	7	22.14	22.25	22.32	23.50	0
		1	14	22.23	22.25	22.23	23.50	0
		8	0	21.20	21.24	21.30	22.50	0-1
		8	4	21.11	21.29	21.24	22.50	0-1
		8	7	21.10	21.23	21.24	22.50	0-1
		15	0	21.22	21.28	21.22	22.50	0-1
	16-QAM	1	0	21.17	21.26	21.22	22.50	0-1
		1	7	21.12	21.16	21.19	22.50	0-1
		1	14	21.24	21.26	21.20	22.50	0-1
		8	0	20.11	20.26	20.25	21.50	0-2
		8	4	20.16	20.30	20.23	21.50	0-2
		8	7	20.12	20.26	20.26	21.50	0-2
		15	0	20.24	20.30	20.25	21.50	0-2
	64-QAM	1	0	20.16	20.20	20.24	21.50	0-2
		1	7	20.19	20.20	20.24	21.50	0-2
		1	14	20.24	20.19	20.32	21.50	0-2
		8	0	19.10	19.29	19.33	20.50	0-3
		8	4	19.15	19.18	19.33	20.50	0-3
		8	7	19.10	19.25	19.27	20.50	0-3
		15	0	19.22	19.22	19.29	20.50	0-3
Frequency (MHz)				699.7	707.5	715.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23017	23095	23173		
1.4	QPSK	1	0	22.20	22.21	22.27	23.50	0
		1	2	22.16	22.22	22.22	23.50	0
		1	5	22.10	22.23	22.20	23.50	0
		3	0	22.10	22.19	22.24	23.50	0-1
		3	2	22.14	22.24	22.24	23.50	0-1
		3	3	22.11	22.22	22.21	23.50	0-1
		6	0	21.12	21.17	21.32	22.50	0-1
	16-QAM	1	0	21.13	21.29	21.21	22.50	0-1
		1	2	21.17	21.27	21.28	22.50	0-1
		1	5	21.21	21.25	21.31	22.50	0-1
		3	0	21.10	21.26	21.31	22.50	0-2
		3	2	21.18	21.18	21.30	22.50	0-2
		3	3	21.10	21.26	21.31	22.50	0-2
		6	0	20.10	20.24	20.28	21.50	0-2
	64-QAM	1	0	20.24	20.28	20.32	21.50	0-2
		1	2	20.17	20.16	20.33	21.50	0-2
		1	5	20.21	20.16	20.30	21.50	0-2
		3	0	20.14	20.28	20.20	21.50	0-3
		3	2	20.18	20.22	20.25	21.50	0-3
		3	3	20.18	20.18	20.32	21.50	0-3
		6	0	19.23	19.22	19.23	20.50	0-3

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LTE Band 17_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				709	710	711		
Channel				23780	23790	23800		
10	QPSK	1	0	23.14	23.17	23.16	24.00	0
		1	25	23.03	23.11	23.11	24.00	0
		1	49	23.04	23.08	23.12	24.00	0
		25	0	22.18	22.25	22.22	23.00	0-1
		25	12	22.16	22.19	22.16	23.00	0-1
		25	25	22.12	22.11	22.15	23.00	0-1
		50	0	22.13	22.21	22.17	23.00	0-1
	16-QAM	1	0	22.02	22.03	22.09	23.00	0-1
		1	25	22.12	22.11	22.03	23.00	0-1
		1	49	22.04	22.08	22.06	23.00	0-1
		25	0	21.03	21.03	21.12	22.00	0-2
		25	12	21.06	21.05	21.13	22.00	0-2
		25	25	20.99	21.06	21.13	22.00	0-2
		50	0	21.00	21.11	21.00	22.00	0-2
	64-QAM	1	0	21.00	21.13	21.03	22.00	0-2
		1	25	21.05	21.06	21.07	22.00	0-2
		1	49	20.99	21.10	21.02	22.00	0-2
		25	0	20.01	20.04	20.01	21.00	0-3
		25	12	20.11	20.09	20.02	21.00	0-3
		25	25	20.03	20.13	20.10	21.00	0-3
		50	0	19.99	20.02	20.08	21.00	0-3
Frequency (MHz)				706.5	710	713.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23755	23790	23825		
5	QPSK	1	0	22.99	23.09	23.04	24.00	0
		1	12	22.98	23.08	23.09	24.00	0
		1	24	23.09	23.09	23.08	24.00	0
		12	0	22.06	22.08	22.07	23.00	0-1
		12	6	22.09	22.14	22.07	23.00	0-1
		12	13	22.02	22.04	22.12	23.00	0-1
		25	0	22.07	22.05	22.04	23.00	0-1
	16-QAM	1	0	22.12	22.11	22.03	23.00	0-1
		1	12	22.03	22.14	22.05	23.00	0-1
		1	24	22.01	22.09	22.00	23.00	0-1
		12	0	21.00	21.14	21.13	22.00	0-2
		12	6	21.02	21.07	21.07	22.00	0-2
		12	13	21.03	21.04	21.06	22.00	0-2
		25	0	21.07	21.08	21.06	22.00	0-2
	64-QAM	1	0	21.06	21.08	21.01	22.00	0-2
		1	12	21.06	21.07	21.09	22.00	0-2
		1	24	21.00	21.08	21.04	22.00	0-2
		12	0	20.05	20.06	20.10	21.00	0-3
		12	6	20.02	20.09	20.00	21.00	0-3
		12	13	20.02	20.09	20.01	21.00	0-3
		25	0	20.08	20.14	20.07	21.00	0-3

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LTE Band 17_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				709	710	711		
Channel				23780	23790	23800		
10	QPSK	1	0	22.22	22.36	22.34	23.50	0
		1	25	22.21	22.29	22.29	23.50	0
		1	49	22.13	22.28	22.21	23.50	0
		25	0	21.52	21.58	21.56	22.50	0-1
		25	12	21.33	21.46	21.46	22.50	0-1
		25	25	21.51	21.36	21.38	22.50	0-1
		50	0	21.48	21.49	21.42	22.50	0-1
	16-QAM	1	0	21.09	21.18	21.17	22.50	0-1
		1	25	21.20	21.24	21.09	22.50	0-1
		1	49	21.15	21.22	21.21	22.50	0-1
		25	0	20.12	20.18	20.21	21.50	0-2
		25	12	20.14	20.15	20.11	21.50	0-2
		25	25	20.09	20.22	20.16	21.50	0-2
		50	0	20.17	20.19	20.11	21.50	0-2
	64-QAM	1	0	20.09	20.11	20.08	21.50	0-2
		1	25	20.06	20.24	20.18	21.50	0-2
		1	49	20.16	20.11	20.22	21.50	0-2
		25	0	19.16	19.14	19.21	20.50	0-3
		25	12	19.15	19.13	19.19	20.50	0-3
		25	25	19.11	19.17	19.14	20.50	0-3
		50	0	19.13	19.14	19.19	20.50	0-3
Frequency (MHz)				706.5	710	713.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23755	23790	23825		
5	QPSK	1	0	22.09	22.20	22.21	23.50	0
		1	12	22.16	22.18	22.16	23.50	0
		1	24	22.09	22.20	22.09	23.50	0
		12	0	21.14	21.12	21.15	22.50	0-1
		12	6	21.06	21.23	21.14	22.50	0-1
		12	13	21.19	21.24	21.08	22.50	0-1
		25	0	21.11	21.19	21.20	22.50	0-1
	16-QAM	1	0	21.13	21.11	21.21	22.50	0-1
		1	12	21.12	21.14	21.22	22.50	0-1
		1	24	21.11	21.11	21.08	22.50	0-1
		12	0	20.20	20.24	20.16	21.50	0-2
		12	6	20.11	20.15	20.16	21.50	0-2
		12	13	20.09	20.14	20.15	21.50	0-2
		25	0	20.16	20.17	20.14	21.50	0-2
	64-QAM	1	0	20.16	20.16	20.08	21.50	0-2
		1	12	20.18	20.14	20.19	21.50	0-2
		1	24	20.12	20.20	20.08	21.50	0-2
		12	0	19.15	19.10	19.11	20.50	0-3
		12	6	19.14	19.24	19.13	20.50	0-3
		12	13	19.18	19.18	19.20	20.50	0-3
		25	0	19.20	19.16	19.15	20.50	0-3

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LTE Band 25_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				26140	26365	26590		
20	QPSK	1	0	22.14	22.35	22.46	24.00	0
		1	50	22.11	22.21	22.43	24.00	0
		1	99	22.12	22.26	22.39	24.00	0
		50	0	21.31	21.51	21.59	23.00	0-1
		50	25	21.29	21.48	21.49	23.00	0-1
		50	50	21.19	21.42	21.52	23.00	0-1
		100	0	21.28	21.46	21.52	23.00	0-1
	16-QAM	1	0	21.00	21.27	21.44	23.00	0-1
		1	50	21.10	21.24	21.38	23.00	0-1
		1	99	21.01	21.26	21.40	23.00	0-1
		50	0	20.06	20.24	20.42	22.00	0-2
		50	25	20.07	20.25	20.42	22.00	0-2
		50	50	20.12	20.25	20.40	22.00	0-2
		100	0	20.02	20.28	20.38	22.00	0-2
	64-QAM	1	0	20.00	20.32	20.38	22.00	0-2
		1	50	20.10	20.31	20.40	22.00	0-2
		1	99	20.12	20.20	20.42	22.00	0-2
		50	0	19.02	19.23	19.43	21.00	0-3
		50	25	19.04	19.19	19.34	21.00	0-3
		50	50	19.06	19.25	19.40	21.00	0-3
		100	0	19.03	19.22	19.38	21.00	0-3
Frequency (MHz)				1857.5	1882.5	1907.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26115	26365	26615		
15	QPSK	1	0	22.08	22.19	22.36	24.00	0
		1	36	22.11	22.25	22.30	24.00	0
		1	74	22.02	22.21	22.38	24.00	0
		36	0	21.00	21.26	21.43	23.00	0-1
		36	18	21.11	21.23	21.37	23.00	0-1
		36	37	21.06	21.21	21.40	23.00	0-1
		75	0	21.08	21.28	21.39	23.00	0-1
	16-QAM	1	0	21.03	21.19	21.43	23.00	0-1
		1	36	21.05	21.24	21.40	23.00	0-1
		1	74	21.03	21.33	21.34	23.00	0-1
		36	0	20.11	20.22	20.34	22.00	0-2
		36	18	20.02	20.19	20.38	22.00	0-2
		36	37	20.00	20.20	20.43	22.00	0-2
		75	0	20.02	20.24	20.31	22.00	0-2
	64-QAM	1	0	20.04	20.30	20.37	22.00	0-2
		1	36	20.12	20.22	20.39	22.00	0-2
		1	74	20.08	20.32	20.39	22.00	0-2
		36	0	19.01	19.22	19.44	21.00	0-3
		36	18	19.03	19.27	19.32	21.00	0-3
		36	37	19.07	19.26	19.35	21.00	0-3
		75	0	19.01	19.21	19.37	21.00	0-3

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LTE Band 25_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				26090	26365	26640		
10	QPSK	1	0	22.10	22.25	22.37	24.00	0
		1	25	22.09	22.28	22.38	24.00	0
		1	49	21.98	22.27	22.39	24.00	0
		25	0	21.07	21.22	21.44	23.00	0-1
		25	12	21.06	21.26	21.36	23.00	0-1
		25	25	21.03	21.26	21.31	23.00	0-1
		50	0	21.07	21.33	21.33	23.00	0-1
	16-QAM	1	0	21.04	21.27	21.31	23.00	0-1
		1	25	21.04	21.28	21.43	23.00	0-1
		1	49	21.06	21.29	21.33	23.00	0-1
		25	0	20.07	20.19	20.36	22.00	0-2
		25	12	20.01	20.27	20.35	22.00	0-2
		25	25	20.03	20.28	20.36	22.00	0-2
		50	0	20.03	20.20	20.36	22.00	0-2
	64-QAM	1	0	20.05	20.19	20.38	22.00	0-2
		1	25	20.08	20.23	20.36	22.00	0-2
		1	49	20.07	20.28	20.42	22.00	0-2
		25	0	19.02	19.29	19.40	21.00	0-3
		25	12	19.08	19.33	19.34	21.00	0-3
		25	25	19.10	19.22	19.31	21.00	0-3
		50	0	19.10	19.32	19.35	21.00	0-3
Frequency (MHz)				1852.5	1882.5	1912.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26065	26365	26665		
5	QPSK	1	0	22.04	22.25	22.40	24.00	0
		1	12	22.12	22.22	22.32	24.00	0
		1	24	22.05	22.26	22.40	24.00	0
		12	0	21.11	21.29	21.41	23.00	0-1
		12	6	21.03	21.33	21.31	23.00	0-1
		12	13	21.03	21.25	21.37	23.00	0-1
		25	0	21.09	21.29	21.43	23.00	0-1
	16-QAM	1	0	21.00	21.31	21.36	23.00	0-1
		1	12	21.07	21.19	21.39	23.00	0-1
		1	24	21.10	21.28	21.43	23.00	0-1
		12	0	20.06	20.29	20.31	22.00	0-2
		12	6	20.11	20.27	20.38	22.00	0-2
		12	13	20.03	20.33	20.41	22.00	0-2
		25	0	20.00	20.25	20.36	22.00	0-2
	64-QAM	1	0	20.01	20.25	20.39	22.00	0-2
		1	12	20.03	20.26	20.44	22.00	0-2
		1	24	20.04	20.20	20.32	22.00	0-2
		12	0	19.10	19.32	19.37	21.00	0-3
		12	6	19.02	19.31	19.42	21.00	0-3
		12	13	19.01	19.24	19.43	21.00	0-3
		25	0	19.00	19.20	19.43	21.00	0-3

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LTE Band 25_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1882.5	1913.5		
Channel				26055	26365	26675		
3	QPSK	1	0	22.06	22.21	22.41	24.00	0
		1	7	22.10	22.28	22.42	24.00	0
		1	14	22.03	22.33	22.41	24.00	0
		8	0	20.98	21.30	21.35	23.00	0-1
		8	4	21.00	21.20	21.41	23.00	0-1
		8	7	21.11	21.30	21.42	23.00	0-1
		15	0	20.98	21.29	21.30	23.00	0-1
	16-QAM	1	0	21.00	21.32	21.38	23.00	0-1
		1	7	21.09	21.31	21.30	23.00	0-1
		1	14	20.98	21.31	21.37	23.00	0-1
		8	0	20.10	20.28	20.30	22.00	0-2
		8	4	20.09	20.24	20.36	22.00	0-2
		8	7	20.05	20.32	20.43	22.00	0-2
		15	0	20.04	20.33	20.42	22.00	0-2
	64-QAM	1	0	19.98	20.19	20.33	22.00	0-2
		1	7	20.02	20.33	20.32	22.00	0-2
		1	14	20.02	20.25	20.34	22.00	0-2
		8	0	19.05	19.29	19.32	21.00	0-3
		8	4	19.05	19.26	19.42	21.00	0-3
		8	7	19.12	19.29	19.31	21.00	0-3
		15	0	19.11	19.19	19.43	21.00	0-3
Frequency (MHz)				1850.7	1882.5	1914.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26047	26365	26683		
1.4	QPSK	1	0	22.09	22.23	22.35	24.00	0
		1	2	22.11	22.32	22.44	24.00	0
		1	5	22.14	22.27	22.33	24.00	0
		3	0	22.03	22.31	22.43	24.00	0
		3	2	22.02	22.23	22.46	24.00	0
		3	3	22.01	22.31	22.33	24.00	0
		6	0	21.02	21.27	21.38	23.00	0-1
	16-QAM	1	0	21.03	21.25	21.36	23.00	0-1
		1	2	21.09	21.21	21.44	23.00	0-1
		1	5	21.01	21.31	21.40	23.00	0-1
		3	0	21.06	21.33	21.33	23.00	0-1
		3	2	21.00	21.34	21.37	23.00	0-1
		3	3	21.09	21.21	21.44	23.00	0-1
		6	0	20.03	20.26	20.37	22.00	0-2
	64-QAM	1	0	20.12	20.24	20.37	22.00	0-2
		1	2	20.07	20.27	20.39	22.00	0-2
		1	5	20.03	20.35	20.37	22.00	0-2
		3	0	20.10	20.21	20.46	22.00	0-2
		3	2	20.01	20.30	20.33	22.00	0-2
		3	3	20.12	20.27	20.46	22.00	0-2
		6	0	19.02	19.30	19.36	21.00	0-3

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LTE Band 26_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				26765	26865	26965		
15	QPSK	1	0	23.23	23.11	23.02	24.00	0
		1	36	23.16	23.06	22.95	24.00	0
		1	74	23.06	22.96	22.75	24.00	0
		36	0	22.33	22.18	22.09	23.00	0-1
		36	18	22.27	22.15	22.05	23.00	0-1
		36	37	22.29	22.04	22.08	23.00	0-1
		75	0	22.30	22.09	21.97	23.00	0-1
	16-QAM	1	0	22.21	21.95	21.99	23.00	0-1
		1	36	22.14	22.07	21.90	23.00	0-1
		1	74	22.09	21.98	21.90	23.00	0-1
		36	0	21.12	21.05	20.99	22.00	0-2
		36	18	21.16	20.99	20.99	22.00	0-2
		36	37	21.08	21.08	20.86	22.00	0-2
		75	0	21.13	21.00	21.00	22.00	0-2
	64-QAM	1	0	21.21	21.00	20.92	22.00	0-2
		1	36	21.09	20.95	20.97	22.00	0-2
		1	74	21.13	21.02	20.96	22.00	0-2
		36	0	20.14	20.07	19.91	21.00	0-3
		36	18	20.12	20.08	19.87	21.00	0-3
		36	37	20.15	20.09	19.92	21.00	0-3
		75	0	20.15	20.03	19.96	21.00	0-3
Frequency (MHz)				819	831.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26740	26865	26990		
10	QPSK	1	0	23.13	22.96	22.96	24.00	0
		1	25	23.15	23.07	22.99	24.00	0
		1	49	23.16	23.01	23.00	24.00	0
		25	0	22.13	21.99	21.92	23.00	0-1
		25	12	22.15	21.95	21.91	23.00	0-1
		25	25	22.18	22.01	21.96	23.00	0-1
		50	0	22.19	22.09	21.96	23.00	0-1
	16-QAM	1	0	22.20	22.02	21.95	23.00	0-1
		1	25	22.19	22.09	21.91	23.00	0-1
		1	49	22.19	22.06	21.87	23.00	0-1
		25	0	21.16	20.96	20.89	22.00	0-2
		25	12	21.12	21.09	20.95	22.00	0-2
		25	25	21.17	21.07	20.93	22.00	0-2
		50	0	21.16	20.95	20.98	22.00	0-2
	64-QAM	1	0	21.18	21.01	20.87	22.00	0-2
		1	25	21.11	21.02	20.87	22.00	0-2
		1	49	21.10	20.99	21.00	22.00	0-2
		25	0	20.19	20.08	19.96	21.00	0-3
		25	12	20.18	19.95	19.88	21.00	0-3
		25	25	20.20	19.96	19.98	21.00	0-3
		50	0	20.18	20.08	19.96	21.00	0-3

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LTE Band 26_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	23.17	22.99	22.98	24.00	0
		1	12	23.08	23.02	22.88	24.00	0
		1	24	23.15	23.00	22.93	24.00	0
		12	0	22.17	22.07	21.98	23.00	0-1
		12	6	22.21	22.07	21.89	23.00	0-1
		12	13	22.13	22.08	21.92	23.00	0-1
		25	0	22.08	21.98	21.90	23.00	0-1
	16-QAM	1	0	22.18	22.04	21.94	23.00	0-1
		1	12	22.20	21.98	21.95	23.00	0-1
		1	24	22.10	22.07	21.91	23.00	0-1
		12	0	21.21	21.07	20.95	22.00	0-2
		12	6	21.17	21.08	20.91	22.00	0-2
		12	13	21.11	21.07	20.93	22.00	0-2
		25	0	21.19	21.04	20.95	22.00	0-2
	64-QAM	1	0	21.14	20.95	20.87	22.00	0-2
		1	12	21.08	20.99	20.95	22.00	0-2
		1	24	21.18	20.95	20.95	22.00	0-2
		12	0	20.15	19.97	19.88	21.00	0-3
		12	6	20.19	19.95	19.96	21.00	0-3
		12	13	20.11	20.04	19.95	21.00	0-3
		25	0	20.18	19.98	19.91	21.00	0-3
Frequency (MHz)				815.5	831.5	847.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26705	26865	27025		
3	QPSK	1	0	20.13	19.86	19.58	24.00	0
		1	7	20.16	19.89	19.57	24.00	0
		1	14	20.05	19.84	19.50	24.00	0
		8	0	20.23	19.90	19.67	23.00	0-1
		8	4	20.14	19.88	19.57	23.00	0-1
		8	7	20.16	19.91	19.60	23.00	0-1
		15	0	20.20	19.88	19.65	23.00	0-1
	16-QAM	1	0	20.13	19.83	19.55	23.00	0-1
		1	7	20.09	19.82	19.56	23.00	0-1
		1	14	19.96	19.77	19.43	23.00	0-1
		8	0	20.19	19.82	19.62	22.00	0-2
		8	4	20.08	19.80	19.49	22.00	0-2
		8	7	20.15	19.86	19.57	22.00	0-2
		15	0	20.17	19.80	19.58	22.00	0-2
	64-QAM	1	0	20.07	19.86	19.55	22.00	0-2
		1	7	20.15	19.84	19.51	22.00	0-2
		1	14	20.00	19.76	19.43	22.00	0-2
		8	0	20.19	19.90	19.62	21.00	0-3
		8	4	20.10	19.83	19.52	21.00	0-3
		8	7	20.14	19.83	19.53	21.00	0-3
		15	0	20.11	19.87	19.58	21.00	0-3

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LTE Band 26_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	23.07	23.08	22.94	24.00	0
		1	2	23.12	23.06	22.89	24.00	0
		1	5	23.18	23.03	22.87	24.00	0
		3	0	23.17	23.05	22.99	24.00	0
		3	2	23.12	23.08	22.93	24.00	0
		3	3	23.16	23.03	22.88	24.00	0
		6	0	22.15	22.01	21.89	23.00	0-1
	16-QAM	1	0	22.08	21.99	21.88	23.00	0-1
		1	2	22.13	21.97	21.88	23.00	0-1
		1	5	22.12	22.05	21.91	23.00	0-1
		3	0	22.20	22.06	21.99	23.00	0-1
		3	2	22.12	22.01	21.86	23.00	0-1
		3	3	22.11	22.00	21.87	23.00	0-1
		6	0	21.17	21.07	20.87	22.00	0-2
	64-QAM	1	0	21.15	21.04	20.92	22.00	0-2
		1	2	21.09	21.00	20.95	22.00	0-2
		1	5	21.21	20.99	20.93	22.00	0-2
		3	0	21.10	21.06	20.92	22.00	0-2
		3	2	21.10	21.01	20.98	22.00	0-2
		3	3	21.09	20.97	20.93	22.00	0-2
		6	0	20.07	20.03	19.93	21.00	0-3

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LTE Band 26_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				26765	26865	26965		
15	QPSK	1	0	22.29	22.21	22.02	23.50	0
		1	36	22.27	22.13	21.87	23.50	0
		1	74	22.18	22.02	21.76	23.50	0
		36	0	21.47	21.27	21.15	22.50	0-1
		36	18	21.44	21.21	21.14	22.50	0-1
		36	37	21.35	21.17	21.01	22.50	0-1
		75	0	21.42	21.19	21.11	22.50	0-1
	16-QAM	1	0	21.19	21.17	21.00	22.50	0-1
		1	36	21.16	21.11	20.95	22.50	0-1
		1	74	21.14	21.17	20.98	22.50	0-1
		36	0	20.25	20.13	19.96	21.50	0-2
		36	18	20.16	20.11	19.89	21.50	0-2
		36	37	20.22	20.08	19.88	21.50	0-2
		75	0	20.19	20.15	19.87	21.50	0-2
	64-QAM	1	0	20.16	20.15	19.92	21.50	0-2
		1	36	20.27	20.05	19.97	21.50	0-2
		1	74	20.18	20.08	20.00	21.50	0-2
		36	0	19.16	19.07	18.96	20.50	0-3
		36	18	19.18	19.06	18.86	20.50	0-3
		36	37	19.25	19.08	18.87	20.50	0-3
		75	0	19.20	19.16	19.00	20.50	0-3
Frequency (MHz)				819	831.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26740	26865	26990		
10	QPSK	1	0	22.25	22.14	21.99	23.50	0
		1	25	22.23	22.17	21.95	23.50	0
		1	49	22.24	22.09	21.90	23.50	0
		25	0	21.20	21.05	20.96	22.50	0-1
		25	12	21.20	21.15	20.92	22.50	0-1
		25	25	21.22	21.13	21.00	22.50	0-1
		50	0	21.18	21.05	20.88	22.50	0-1
	16-QAM	1	0	21.13	21.15	20.89	22.50	0-1
		1	25	21.20	21.12	20.88	22.50	0-1
		1	49	21.19	21.07	20.93	22.50	0-1
		25	0	20.27	20.08	19.88	21.50	0-2
		25	12	20.18	20.10	19.97	21.50	0-2
		25	25	20.17	20.11	19.97	21.50	0-2
		50	0	20.26	20.17	19.91	21.50	0-2
	64-QAM	1	0	20.25	20.14	19.99	21.50	0-2
		1	25	20.17	20.14	19.99	21.50	0-2
		1	49	20.15	20.15	19.91	21.50	0-2
		25	0	19.18	19.06	19.00	20.50	0-3
		25	12	19.19	19.14	18.93	20.50	0-3
		25	25	19.16	19.09	18.86	20.50	0-3
		50	0	19.16	19.05	18.93	20.50	0-3

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LTE Band 26_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	22.20	22.16	21.98	23.50	0
		1	12	22.19	22.05	21.98	23.50	0
		1	24	22.20	22.09	21.94	23.50	0
		12	0	21.16	21.07	20.91	22.50	0-1
		12	6	21.27	21.17	20.96	22.50	0-1
		12	13	21.17	21.18	20.86	22.50	0-1
		25	0	21.15	21.07	20.98	22.50	0-1
	16-QAM	1	0	21.18	21.12	20.93	22.50	0-1
		1	12	21.24	21.10	21.00	22.50	0-1
		1	24	21.25	21.12	20.96	22.50	0-1
		12	0	20.16	20.11	19.98	21.50	0-2
		12	6	20.22	20.08	19.88	21.50	0-2
		12	13	20.15	20.19	20.00	21.50	0-2
		25	0	20.25	20.09	19.99	21.50	0-2
	64-QAM	1	0	20.26	20.16	19.98	21.50	0-2
		1	12	20.17	20.18	19.90	21.50	0-2
		1	24	20.25	20.07	20.00	21.50	0-2
		12	0	19.17	19.13	18.87	20.50	0-3
		12	6	19.20	19.17	18.89	20.50	0-3
		12	13	19.25	19.15	18.95	20.50	0-3
		25	0	19.19	19.06	18.99	20.50	0-3
Frequency (MHz)				815.5	831.5	847.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26705	26865	27025		
3	QPSK	1	0	18.90	18.69	18.49	23.50	0
		1	7	18.95	18.77	18.48	23.50	0
		1	14	18.84	18.73	18.42	23.50	0
		8	0	19.03	18.77	18.55	22.50	0-1
		8	4	18.95	18.71	18.42	22.50	0-1
		8	7	18.97	18.76	18.46	22.50	0-1
		15	0	19.00	18.75	18.52	22.50	0-1
	16-QAM	1	0	18.86	18.69	18.42	22.50	0-1
		1	7	18.86	18.73	18.42	22.50	0-1
		1	14	18.80	18.73	18.38	22.50	0-1
		8	0	18.97	18.73	18.51	21.50	0-2
		8	4	18.93	18.62	18.33	21.50	0-2
		8	7	18.96	18.72	18.44	21.50	0-2
		15	0	18.91	18.67	18.50	21.50	0-2
	64-QAM	1	0	18.82	18.68	18.47	21.50	0-2
		1	7	18.94	18.77	18.48	21.50	0-2
		1	14	18.77	18.71	18.34	21.50	0-2
		8	0	18.99	18.76	18.46	20.50	0-3
		8	4	18.87	18.62	18.35	20.50	0-3
		8	7	18.92	18.68	18.46	20.50	0-3
		15	0	18.97	18.72	18.49	20.50	0-3

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LTE Band 26_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	22.20	22.10	21.95	23.50	0
		1	2	22.22	22.05	21.90	23.50	0
		1	5	22.22	22.10	21.87	23.50	0
		3	0	22.18	22.10	21.98	23.50	0
		3	2	22.26	22.11	21.97	23.50	0
		3	3	22.15	22.10	21.98	23.50	0
		6	0	21.18	21.17	20.95	22.50	0-1
	16-QAM	1	0	21.13	21.17	20.95	22.50	0-1
		1	2	21.18	21.15	20.89	22.50	0-1
		1	5	21.19	21.07	20.93	22.50	0-1
		3	0	21.25	21.05	20.99	22.50	0-1
		3	2	21.21	21.18	20.91	22.50	0-1
		3	3	21.13	21.18	20.98	22.50	0-1
		6	0	20.21	20.19	19.98	21.50	0-2
	64-QAM	1	0	20.25	20.17	19.94	21.50	0-2
		1	2	20.19	20.11	19.89	21.50	0-2
		1	5	20.17	20.05	19.98	21.50	0-2
		3	0	20.22	20.13	19.93	21.50	0-2
		3	2	20.18	20.17	19.91	21.50	0-2
		3	3	20.15	20.10	19.98	21.50	0-2
		6	0	19.22	19.09	18.98	20.50	0-3

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LTE Band 26_Ant3_Calling mode with WLAN power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				26765	26865	26965		
15	QPSK	1	0	22.29	22.21	22.02	23.00	0
		1	36	22.27	22.13	21.87	23.00	0
		1	74	22.18	22.02	21.76	23.00	0
		36	0	21.47	21.27	21.15	22.00	0-1
		36	18	21.44	21.21	21.14	22.00	0-1
		36	37	21.35	21.17	21.01	22.00	0-1
		75	0	21.42	21.19	21.11	22.00	0-1
	16-QAM	1	0	21.19	21.17	21.00	22.00	0-1
		1	36	21.16	21.11	20.95	22.00	0-1
		1	74	21.14	21.17	20.98	22.00	0-1
		36	0	20.25	20.13	19.96	21.00	0-2
		36	18	20.16	20.11	19.89	21.00	0-2
		36	37	20.22	20.08	19.88	21.00	0-2
		75	0	20.19	20.15	19.87	21.00	0-2
	64-QAM	1	0	20.16	20.15	19.92	21.00	0-2
		1	36	20.27	20.05	19.97	21.00	0-2
		1	74	20.18	20.08	20.00	21.00	0-2
		36	0	19.16	19.07	18.96	20.00	0-3
		36	18	19.18	19.06	18.86	20.00	0-3
		36	37	19.25	19.08	18.87	20.00	0-3
		75	0	19.20	19.16	19.00	20.00	0-3
Frequency (MHz)				819	831.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26740	26865	26990		
10	QPSK	1	0	22.25	22.14	21.99	23.00	0
		1	25	22.23	22.17	21.95	23.00	0
		1	49	22.24	22.09	21.90	23.00	0
		25	0	21.20	21.05	20.96	22.00	0-1
		25	12	21.20	21.15	20.92	22.00	0-1
		25	25	21.22	21.13	21.00	22.00	0-1
		50	0	21.18	21.05	20.88	22.00	0-1
	16-QAM	1	0	21.13	21.15	20.89	22.00	0-1
		1	25	21.20	21.12	20.88	22.00	0-1
		1	49	21.19	21.07	20.93	22.00	0-1
		25	0	20.27	20.08	19.88	21.00	0-2
		25	12	20.18	20.10	19.97	21.00	0-2
		25	25	20.17	20.11	19.97	21.00	0-2
		50	0	20.26	20.17	19.91	21.00	0-2
	64-QAM	1	0	20.25	20.14	19.99	21.00	0-2
		1	25	20.17	20.14	19.99	21.00	0-2
		1	49	20.15	20.15	19.91	21.00	0-2
		25	0	19.18	19.06	19.00	20.00	0-3
		25	12	19.19	19.14	18.93	20.00	0-3
		25	25	19.16	19.09	18.86	20.00	0-3
		50	0	19.16	19.05	18.93	20.00	0-3

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LTE Band 26_Ant3_Calling mode with WLAN power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	22.20	22.16	21.98	23.00	0
		1	12	22.19	22.05	21.98	23.00	0
		1	24	22.20	22.09	21.94	23.00	0
		12	0	21.16	21.07	20.91	22.00	0-1
		12	6	21.27	21.17	20.96	22.00	0-1
		12	13	21.17	21.18	20.86	22.00	0-1
		25	0	21.15	21.07	20.98	22.00	0-1
	16-QAM	1	0	21.18	21.12	20.93	22.00	0-1
		1	12	21.24	21.10	21.00	22.00	0-1
		1	24	21.25	21.12	20.96	22.00	0-1
		12	0	20.16	20.11	19.98	21.00	0-2
		12	6	20.22	20.08	19.88	21.00	0-2
		12	13	20.15	20.19	20.00	21.00	0-2
		25	0	20.25	20.09	19.99	21.00	0-2
	64-QAM	1	0	20.26	20.16	19.98	21.00	0-2
		1	12	20.17	20.18	19.90	21.00	0-2
		1	24	20.25	20.07	20.00	21.00	0-2
		12	0	19.17	19.13	18.87	20.00	0-3
		12	6	19.20	19.17	18.89	20.00	0-3
		12	13	19.25	19.15	18.95	20.00	0-3
		25	0	19.19	19.06	18.99	20.00	0-3
Frequency (MHz)				815.5	831.5	847.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26705	26865	27025		
3	QPSK	1	0	18.90	18.69	18.49	23.00	0
		1	7	18.95	18.77	18.48	23.00	0
		1	14	18.84	18.73	18.42	23.00	0
		8	0	19.03	18.77	18.55	22.00	0-1
		8	4	18.95	18.71	18.42	22.00	0-1
		8	7	18.97	18.76	18.46	22.00	0-1
		15	0	19.00	18.75	18.52	22.00	0-1
	16-QAM	1	0	18.86	18.69	18.42	22.00	0-1
		1	7	18.86	18.73	18.42	22.00	0-1
		1	14	18.80	18.73	18.38	22.00	0-1
		8	0	18.97	18.73	18.51	21.00	0-2
		8	4	18.93	18.62	18.33	21.00	0-2
		8	7	18.96	18.72	18.44	21.00	0-2
		15	0	18.91	18.67	18.50	21.00	0-2
	64-QAM	1	0	18.82	18.68	18.47	21.00	0-2
		1	7	18.94	18.77	18.48	21.00	0-2
		1	14	18.77	18.71	18.34	21.00	0-2
		8	0	18.99	18.76	18.46	20.00	0-3
		8	4	18.87	18.62	18.35	20.00	0-3
		8	7	18.92	18.68	18.46	20.00	0-3
		15	0	18.97	18.72	18.49	20.00	0-3

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LTE Band 26_Ant3_Calling mode with WLAN power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	22.20	22.10	21.95	23.00	0
		1	2	22.22	22.05	21.90	23.00	0
		1	5	22.22	22.10	21.87	23.00	0
		3	0	22.18	22.10	21.98	23.00	0
		3	2	22.26	22.11	21.97	23.00	0
		3	3	22.15	22.10	21.98	23.00	0
		6	0	21.18	21.17	20.95	22.00	0-1
	16-QAM	1	0	21.13	21.17	20.95	22.00	0-1
		1	2	21.18	21.15	20.89	22.00	0-1
		1	5	21.19	21.07	20.93	22.00	0-1
		3	0	21.25	21.05	20.99	22.00	0-1
		3	2	21.21	21.18	20.91	22.00	0-1
		3	3	21.13	21.18	20.98	22.00	0-1
		6	0	20.21	20.19	19.98	21.00	0-2
	64-QAM	1	0	20.25	20.17	19.94	21.00	0-2
		1	2	20.19	20.11	19.89	21.00	0-2
		1	5	20.17	20.05	19.98	21.00	0-2
		3	0	20.22	20.13	19.93	21.00	0-2
		3	2	20.18	20.17	19.91	21.00	0-2
		3	3	20.15	20.10	19.98	21.00	0-2
		6	0	19.22	19.09	18.98	20.00	0-3

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LTE Band 30_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2310	2310	2310		
Channel				27710	27710	27710		
10	QPSK	1	0	22.29			24.00	0
		1	25	22.28			24.00	0
		1	49	22.22			24.00	0
		25	0	21.37			23.00	0-1
		25	12	21.31			23.00	0-1
		25	25	21.28			23.00	0-1
		50	0	21.32			23.00	0-1
	16-QAM	1	0	21.13			23.00	0-1
		1	25	21.24			23.00	0-1
		1	49	21.23			23.00	0-1
		25	0	20.25			22.00	0-2
		25	12	20.22			22.00	0-2
		25	25	20.25			22.00	0-2
		50	0	20.19			22.00	0-2
	64-QAM	1	0	20.16			22.00	0-2
		1	25	20.15			22.00	0-2
		1	49	20.25			22.00	0-2
		25	0	19.14			21.00	0-3
		25	12	19.19			21.00	0-3
		25	25	19.24			21.00	0-3
		50	0	19.16			21.00	0-3
Frequency (MHz)				2307.5	2310	2312.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				27685	27710	27735		
5	QPSK	1	0	22.19	22.23	22.25	24.00	0
		1	12	22.14	22.24	22.26	24.00	0
		1	24	22.23	22.15	22.26	24.00	0
		12	0	21.14	21.17	21.27	23.00	0-1
		12	6	21.24	21.26	21.23	23.00	0-1
		12	13	21.24	21.16	21.14	23.00	0-1
		25	0	21.21	21.21	21.17	23.00	0-1
	16-QAM	1	0	21.22	21.18	21.14	23.00	0-1
		1	12	21.20	21.26	21.13	23.00	0-1
		1	24	21.25	21.23	21.24	23.00	0-1
		12	0	20.14	20.19	20.17	22.00	0-2
		12	6	20.26	20.18	20.17	22.00	0-2
		12	13	20.25	20.26	20.17	22.00	0-2
		25	0	20.14	20.25	20.13	22.00	0-2
	64-QAM	1	0	20.25	20.17	20.23	22.00	0-2
		1	12	20.20	20.25	20.20	22.00	0-2
		1	24	20.19	20.14	20.20	22.00	0-2
		12	0	19.15	19.19	19.18	21.00	0-3
		12	6	19.22	19.23	19.23	21.00	0-3
		12	13	19.17	19.20	19.18	21.00	0-3
		25	0	19.21	19.19	19.24	21.00	0-3

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LTE Band 66_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	22.17	22.25	22.16	24.00	0
		1	50	22.09	22.22	22.08	24.00	0
		1	99	22.16	22.15	22.02	24.00	0
		50	0	21.24	21.29	21.23	23.00	0-1
		50	25	21.21	21.26	21.13	23.00	0-1
		50	50	21.22	21.27	21.16	23.00	0-1
		100	0	21.23	21.24	21.15	23.00	0-1
	16-QAM	1	0	21.01	21.13	21.12	23.00	0-1
		1	50	21.01	21.11	21.04	23.00	0-1
		1	99	21.14	21.11	21.11	23.00	0-1
		50	0	20.09	20.18	20.12	22.00	0-2
		50	25	20.09	20.22	20.11	22.00	0-2
		50	50	20.13	20.09	20.11	22.00	0-2
		100	0	20.14	20.15	20.09	22.00	0-2
	64-QAM	1	0	20.09	20.19	20.09	22.00	0-2
		1	50	20.08	20.20	20.03	22.00	0-2
		1	99	20.08	20.13	20.04	22.00	0-2
		50	0	19.09	19.18	19.00	21.00	0-3
		50	25	19.10	19.12	19.07	21.00	0-3
		50	50	19.12	19.21	19.06	21.00	0-3
		100	0	19.06	19.10	19.04	21.00	0-3
Frequency (MHz)				1717.5	1745	1772.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				132047	132322	132597		
15	QPSK	1	0	22.11	22.10	22.01	24.00	0
		1	36	22.07	22.22	22.04	24.00	0
		1	74	22.01	22.19	22.02	24.00	0
		36	0	21.12	21.20	21.09	23.00	0-1
		36	18	21.03	21.22	21.03	23.00	0-1
		36	37	21.09	21.17	21.01	23.00	0-1
		75	0	21.05	21.23	21.10	23.00	0-1
	16-QAM	1	0	21.08	21.14	21.09	23.00	0-1
		1	36	21.01	21.16	21.02	23.00	0-1
		1	74	21.14	21.21	21.09	23.00	0-1
		36	0	20.06	20.16	20.11	22.00	0-2
		36	18	20.09	20.09	20.14	22.00	0-2
		36	37	20.02	20.23	20.00	22.00	0-2
		75	0	20.11	20.16	20.12	22.00	0-2
	64-QAM	1	0	20.11	20.19	20.09	22.00	0-2
		1	36	20.09	20.12	20.10	22.00	0-2
		1	74	20.12	20.17	20.12	22.00	0-2
		36	0	19.13	19.12	19.13	21.00	0-3
		36	18	19.02	19.19	19.08	21.00	0-3
		36	37	19.05	19.12	19.13	21.00	0-3
		75	0	19.01	19.21	19.03	21.00	0-3

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LTE Band 66_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				132022	132322	132622		
10	QPSK	1	0	22.03	22.09	22.10	24.00	0
		1	25	22.12	22.23	22.11	24.00	0
		1	49	22.09	22.09	22.13	24.00	0
		25	0	21.06	21.17	21.12	23.00	0-1
		25	12	21.05	21.20	21.04	23.00	0-1
		25	25	21.07	21.09	21.05	23.00	0-1
		50	0	21.14	21.13	21.11	23.00	0-1
	16-QAM	1	0	21.07	21.16	21.01	23.00	0-1
		1	25	21.07	21.14	21.02	23.00	0-1
		1	49	21.14	21.17	21.09	23.00	0-1
		25	0	20.04	20.11	20.08	22.00	0-2
		25	12	20.10	20.11	20.09	22.00	0-2
		25	25	20.15	20.14	20.04	22.00	0-2
		50	0	20.07	20.12	20.04	22.00	0-2
	64-QAM	1	0	20.04	20.13	20.14	22.00	0-2
		1	25	20.05	20.23	20.09	22.00	0-2
		1	49	20.01	20.16	20.07	22.00	0-2
		25	0	19.03	19.12	19.04	21.00	0-3
		25	12	19.13	19.09	19.06	21.00	0-3
		25	25	19.10	19.23	19.03	21.00	0-3
		50	0	19.13	19.20	19.06	21.00	0-3
Frequency (MHz)				1712.5	1745	1777.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				131997	132322	132647		
5	QPSK	1	0	22.05	22.12	22.01	24.00	0
		1	12	22.12	22.14	22.00	24.00	0
		1	24	22.13	22.14	22.10	24.00	0
		12	0	21.14	21.18	21.01	23.00	0-1
		12	6	21.04	21.10	21.08	23.00	0-1
		12	13	21.13	21.10	21.13	23.00	0-1
		25	0	21.10	21.17	21.09	23.00	0-1
	16-QAM	1	0	21.07	21.17	21.02	23.00	0-1
		1	12	21.04	21.14	21.06	23.00	0-1
		1	24	21.04	21.23	21.03	23.00	0-1
		12	0	20.12	20.14	20.12	22.00	0-2
		12	6	20.15	20.21	20.05	22.00	0-2
		12	13	20.14	20.09	20.05	22.00	0-2
		25	0	20.08	20.17	20.13	22.00	0-2
	64-QAM	1	0	20.12	20.14	20.12	22.00	0-2
		1	12	20.11	20.14	20.13	22.00	0-2
		1	24	20.14	20.18	20.06	22.00	0-2
		12	0	19.02	19.17	19.07	21.00	0-3
		12	6	19.02	19.09	19.02	21.00	0-3
		12	13	19.04	19.15	19.02	21.00	0-3
		25	0	19.08	19.20	19.07	21.00	0-3

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LTE Band 66_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1745	1778.5		
Channel				131987	132322	132657		
3	QPSK	1	0	22.04	22.21	22.02	24.00	0
		1	7	22.05	22.09	22.13	24.00	0
		1	14	22.01	22.17	22.03	24.00	0
		8	0	21.15	21.20	21.03	23.00	0-1
		8	4	21.09	21.13	21.11	23.00	0-1
		8	7	21.07	21.15	21.09	23.00	0-1
		15	0	21.05	21.19	21.00	23.00	0-1
	16-QAM	1	0	21.03	21.20	21.09	23.00	0-1
		1	7	21.06	21.15	21.04	23.00	0-1
		1	14	21.09	21.16	21.14	23.00	0-1
		8	0	20.01	20.18	20.08	22.00	0-2
		8	4	20.07	20.09	20.00	22.00	0-2
		8	7	20.11	20.23	20.09	22.00	0-2
		15	0	20.14	20.22	20.05	22.00	0-2
	64-QAM	1	0	20.04	20.14	20.13	22.00	0-2
		1	7	20.01	20.17	20.08	22.00	0-2
		1	14	20.01	20.13	20.13	22.00	0-2
		8	0	19.15	19.21	19.04	21.00	0-3
		8	4	19.04	19.16	19.07	21.00	0-3
		8	7	19.08	19.09	19.01	21.00	0-3
		15	0	19.12	19.11	19.08	21.00	0-3
Frequency (MHz)				1710.7	1745	1779.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				131979	132322	132665		
1.4	QPSK	1	0	22.14	22.21	22.00	24.00	0
		1	2	22.11	22.19	22.14	24.00	0
		1	5	22.13	22.18	22.03	24.00	0
		3	0	22.08	22.13	22.02	24.00	0
		3	2	22.04	22.23	22.11	24.00	0
		3	3	22.13	22.22	22.00	24.00	0
		6	0	21.03	21.21	21.01	23.00	0-1
	16-QAM	1	0	21.02	21.17	21.10	23.00	0-1
		1	2	21.12	21.20	21.12	23.00	0-1
		1	5	21.14	21.14	21.03	23.00	0-1
		3	0	21.01	21.19	21.03	23.00	0-1
		3	2	21.11	21.22	21.06	23.00	0-1
		3	3	21.15	21.18	21.05	23.00	0-1
		6	0	20.13	20.11	20.09	22.00	0-2
	64-QAM	1	0	20.08	20.09	20.08	22.00	0-2
		1	2	20.03	20.20	20.11	22.00	0-2
		1	5	20.12	20.12	20.07	22.00	0-2
		3	0	20.13	20.11	20.03	22.00	0-2
		3	2	20.15	20.20	20.03	22.00	0-2
		3	3	20.02	20.21	20.13	22.00	0-2
		6	0	19.12	19.10	19.02	21.00	0-3

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LTE Band 71_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				133222	133297	133372		
20	QPSK	1	0	22.91	22.77	22.73	24.00	0
		1	50	22.71	22.75	22.65	24.00	0
		1	99	22.90	22.76	22.71	24.00	0
		50	0	21.88	21.71	21.63	23.00	0-1
		50	25	21.77	21.70	21.61	23.00	0-1
		50	50	21.82	21.63	21.59	23.00	0-1
		100	0	21.76	21.63	21.69	23.00	0-1
	16-QAM	1	0	21.86	21.68	21.71	23.00	0-1
		1	50	21.80	21.73	21.62	23.00	0-1
		1	99	21.79	21.64	21.68	23.00	0-1
		50	0	20.85	20.73	20.70	22.00	0-2
		50	25	20.75	20.73	20.67	22.00	0-2
		50	50	20.87	20.71	20.62	22.00	0-2
		100	0	20.79	20.71	20.57	22.00	0-2
	64-QAM	1	0	20.81	20.68	20.60	22.00	0-2
		1	50	20.81	20.70	20.67	22.00	0-2
		1	99	20.82	20.74	20.66	22.00	0-2
		50	0	19.75	19.74	19.63	21.00	0-3
		50	25	19.88	19.71	19.57	21.00	0-3
		50	50	19.85	19.74	19.60	21.00	0-3
		100	0	19.83	19.65	19.66	21.00	0-3
Frequency (MHz)				670.5	680.5	690.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				133197	133297	133397		
15	QPSK	1	0	22.85	22.75	22.70	24.00	0
		1	36	22.75	22.73	22.69	24.00	0
		1	74	22.83	22.70	22.66	24.00	0
		36	0	21.82	21.69	21.65	23.00	0-1
		36	18	21.89	21.74	21.63	23.00	0-1
		36	37	21.87	21.68	21.58	23.00	0-1
		75	0	21.84	21.68	21.71	23.00	0-1
	16-QAM	1	0	21.76	21.70	21.64	23.00	0-1
		1	36	21.82	21.71	21.59	23.00	0-1
		1	74	21.89	21.72	21.66	23.00	0-1
		36	0	20.87	20.69	20.60	22.00	0-2
		36	18	20.77	20.72	20.57	22.00	0-2
		36	37	20.86	20.69	20.66	22.00	0-2
		75	0	20.80	20.67	20.70	22.00	0-2
	64-QAM	1	0	20.79	20.69	20.64	22.00	0-2
		1	36	20.76	20.68	20.68	22.00	0-2
		1	74	20.83	20.69	20.57	22.00	0-2
		36	0	19.79	19.70	19.63	21.00	0-3
		36	18	19.85	19.62	19.62	21.00	0-3
		36	37	19.83	19.64	19.71	21.00	0-3
		75	0	19.89	19.67	19.57	21.00	0-3

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LTE Band 71_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133172	133297	133422		
10	QPSK	1	0	22.79	22.67	22.63	24.00	0
		1	25	22.86	22.67	22.58	24.00	0
		1	49	22.83	22.61	22.68	24.00	0
		25	0	21.85	21.64	21.57	23.00	0-1
		25	12	21.82	21.73	21.65	23.00	0-1
		25	25	21.77	21.68	21.68	23.00	0-1
		50	0	21.87	21.70	21.57	23.00	0-1
	16-QAM	1	0	21.88	21.69	21.66	23.00	0-1
		1	25	21.77	21.70	21.67	23.00	0-1
		1	49	21.88	21.75	21.63	23.00	0-1
		25	0	20.76	20.65	20.67	22.00	0-2
		25	12	20.75	20.62	20.70	22.00	0-2
		25	25	20.85	20.61	20.69	22.00	0-2
		50	0	20.86	20.68	20.68	22.00	0-2
	64-QAM	1	0	20.81	20.71	20.60	22.00	0-2
		1	25	20.82	20.75	20.65	22.00	0-2
		1	49	20.85	20.73	20.66	22.00	0-2
		25	0	19.80	19.62	19.62	21.00	0-3
		25	12	19.86	19.72	19.59	21.00	0-3
		25	25	19.82	19.72	19.61	21.00	0-3
		50	0	19.81	19.68	19.61	21.00	0-3
Frequency (MHz)				665.5	680.5	695.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				133147	133297	133447		
5	QPSK	1	0	22.80	22.72	22.66	24.00	0
		1	12	22.86	22.62	22.64	24.00	0
		1	24	22.77	22.66	22.69	24.00	0
		12	0	21.84	21.74	21.64	23.00	0-1
		12	6	21.84	21.71	21.64	23.00	0-1
		12	13	21.79	21.75	21.70	23.00	0-1
		25	0	21.87	21.71	21.57	23.00	0-1
	16-QAM	1	0	21.82	21.67	21.65	23.00	0-1
		1	12	21.78	21.61	21.68	23.00	0-1
		1	24	21.86	21.73	21.70	23.00	0-1
		12	0	20.89	20.62	20.61	22.00	0-2
		12	6	20.81	20.73	20.68	22.00	0-2
		12	13	20.87	20.66	20.64	22.00	0-2
		25	0	20.88	20.72	20.63	22.00	0-2
	64-QAM	1	0	20.83	20.63	20.68	22.00	0-2
		1	12	20.86	20.68	20.71	22.00	0-2
		1	24	20.77	20.74	20.66	22.00	0-2
		12	0	19.78	19.64	19.67	21.00	0-3
		12	6	19.89	19.66	19.66	21.00	0-3
		12	13	19.79	19.65	19.65	21.00	0-3
		25	0	19.87	19.75	19.60	21.00	0-3

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LTE Band 71_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				133222	133297	133372		
20	QPSK	1	0	22.27	22.35	22.33	23.50	0
		1	50	22.14	22.27	22.30	23.50	0
		1	99	22.17	22.26	22.28	23.50	0
		50	0	21.27	21.33	21.29	22.50	0-1
		50	25	21.20	21.32	21.22	22.50	0-1
		50	50	21.24	21.24	21.19	22.50	0-1
		100	0	21.25	21.31	21.27	22.50	0-1
	16-QAM	1	0	21.12	21.30	21.29	22.50	0-1
		1	50	21.12	21.23	21.21	22.50	0-1
		1	99	21.14	21.28	21.31	22.50	0-1
		50	0	20.19	20.30	20.21	21.50	0-2
		50	25	20.22	20.27	20.21	21.50	0-2
		50	50	20.20	20.24	20.22	21.50	0-2
		100	0	20.24	20.26	20.31	21.50	0-2
	64-QAM	1	0	20.16	20.31	20.18	21.50	0-2
		1	50	20.20	20.33	20.21	21.50	0-2
		1	99	20.16	20.24	20.19	21.50	0-2
		50	0	19.21	19.32	19.29	20.50	0-3
		50	25	19.17	19.30	19.27	20.50	0-3
		50	50	19.20	19.19	19.31	20.50	0-3
		100	0	19.15	19.32	19.27	20.50	0-3
Frequency (MHz)				670.5	680.5	690.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				133197	133297	133397		
15	QPSK	1	0	22.21	22.29	22.21	23.50	0
		1	36	22.23	22.27	22.24	23.50	0
		1	74	22.18	22.22	22.24	23.50	0
		36	0	21.17	21.32	21.26	22.50	0-1
		36	18	21.12	21.27	21.18	22.50	0-1
		36	37	21.19	21.20	21.24	22.50	0-1
		75	0	21.15	21.19	21.31	22.50	0-1
	16-QAM	1	0	21.18	21.32	21.31	22.50	0-1
		1	36	21.19	21.23	21.30	22.50	0-1
		1	74	21.18	21.23	21.30	22.50	0-1
		36	0	20.25	20.24	20.22	21.50	0-2
		36	18	20.16	20.21	20.26	21.50	0-2
		36	37	20.24	20.23	20.19	21.50	0-2
		75	0	20.11	20.28	20.30	21.50	0-2
	64-QAM	1	0	20.14	20.24	20.28	21.50	0-2
		1	36	20.18	20.29	20.27	21.50	0-2
		1	74	20.13	20.26	20.24	21.50	0-2
		36	0	19.13	19.19	19.18	20.50	0-3
		36	18	19.19	19.30	19.31	20.50	0-3
		36	37	19.21	19.22	19.22	20.50	0-3
		75	0	19.24	19.25	19.23	20.50	0-3

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LTE Band 71_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133172	133297	133422		
10	QPSK	1	0	22.24	22.31	22.20	23.50	0
		1	25	22.13	22.32	22.30	23.50	0
		1	49	22.25	22.24	22.18	23.50	0
		25	0	21.21	21.22	21.25	22.50	0-1
		25	12	21.21	21.27	21.20	22.50	0-1
		25	25	21.21	21.31	21.31	22.50	0-1
		50	0	21.16	21.30	21.30	22.50	0-1
	16-QAM	1	0	21.16	21.23	21.27	22.50	0-1
		1	25	21.20	21.28	21.17	22.50	0-1
		1	49	21.23	21.30	21.23	22.50	0-1
		25	0	20.20	20.28	20.28	21.50	0-2
		25	12	20.14	20.33	20.21	21.50	0-2
		25	25	20.25	20.24	20.18	21.50	0-2
		50	0	20.20	20.25	20.27	21.50	0-2
	64-QAM	1	0	20.20	20.21	20.27	21.50	0-2
		1	25	20.14	20.30	20.29	21.50	0-2
		1	49	20.25	20.30	20.28	21.50	0-2
		25	0	19.23	19.23	19.24	20.50	0-3
		25	12	19.20	19.19	19.25	20.50	0-3
		25	25	19.24	19.22	19.19	20.50	0-3
		50	0	19.13	19.22	19.20	20.50	0-3
Frequency (MHz)				665.5	680.5	695.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				133147	133297	133447		
5	QPSK	1	0	22.19	22.25	22.21	23.50	0
		1	12	22.14	22.31	22.20	23.50	0
		1	24	22.21	22.32	22.22	23.50	0
		12	0	21.18	21.33	21.18	22.50	0-1
		12	6	21.21	21.32	21.25	22.50	0-1
		12	13	21.12	21.31	21.20	22.50	0-1
		25	0	21.23	21.23	21.22	22.50	0-1
	16-QAM	1	0	21.24	21.31	21.17	22.50	0-1
		1	12	21.23	21.33	21.18	22.50	0-1
		1	24	21.21	21.22	21.29	22.50	0-1
		12	0	20.14	20.28	20.27	21.50	0-2
		12	6	20.15	20.19	20.20	21.50	0-2
		12	13	20.23	20.19	20.30	21.50	0-2
		25	0	20.17	20.25	20.31	21.50	0-2
	64-QAM	1	0	20.12	20.31	20.28	21.50	0-2
		1	12	20.14	20.26	20.26	21.50	0-2
		1	24	20.11	20.23	20.20	21.50	0-2
		12	0	19.19	19.31	19.24	20.50	0-3
		12	6	19.21	19.27	19.21	20.50	0-3
		12	13	19.23	19.22	19.23	20.50	0-3
		25	0	19.15	19.29	19.22	20.50	0-3

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LTE Band 71_Ant3_Calling mode with WLAN power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				133222	133297	133372		
20	QPSK	1	0	22.27	22.35	22.33	22.50	0
		1	50	22.14	22.27	22.30	22.50	0
		1	99	22.17	22.26	22.28	22.50	0
		50	0	21.27	21.33	21.29	21.50	0-1
		50	25	21.20	21.32	21.22	21.50	0-1
		50	50	21.24	21.24	21.19	21.50	0-1
		100	0	21.25	21.31	21.27	21.50	0-1
	16-QAM	1	0	21.12	21.30	21.29	21.50	0-1
		1	50	21.12	21.23	21.21	21.50	0-1
		1	99	21.14	21.28	21.31	21.50	0-1
		50	0	20.19	20.30	20.21	20.50	0-2
		50	25	20.22	20.27	20.21	20.50	0-2
		50	50	20.20	20.24	20.22	20.50	0-2
		100	0	20.24	20.26	20.31	20.50	0-2
	64-QAM	1	0	20.16	20.31	20.18	20.50	0-2
		1	50	20.20	20.33	20.21	20.50	0-2
		1	99	20.16	20.24	20.19	20.50	0-2
		50	0	19.21	19.32	19.29	19.50	0-3
		50	25	19.17	19.30	19.27	19.50	0-3
		50	50	19.20	19.19	19.31	19.50	0-3
		100	0	19.15	19.32	19.27	19.50	0-3
Frequency (MHz)				670.5	680.5	690.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				133197	133297	133397		
15	QPSK	1	0	22.21	22.29	22.21	22.50	0
		1	36	22.23	22.27	22.24	22.50	0
		1	74	22.18	22.22	22.24	22.50	0
		36	0	21.17	21.32	21.26	21.50	0-1
		36	18	21.12	21.27	21.18	21.50	0-1
		36	37	21.19	21.20	21.24	21.50	0-1
		75	0	21.15	21.19	21.31	21.50	0-1
	16-QAM	1	0	21.18	21.32	21.31	21.50	0-1
		1	36	21.19	21.23	21.30	21.50	0-1
		1	74	21.18	21.23	21.30	21.50	0-1
		36	0	20.25	20.24	20.22	20.50	0-2
		36	18	20.16	20.21	20.26	20.50	0-2
		36	37	20.24	20.23	20.19	20.50	0-2
		75	0	20.11	20.28	20.30	20.50	0-2
	64-QAM	1	0	20.14	20.24	20.28	20.50	0-2
		1	36	20.18	20.29	20.27	20.50	0-2
		1	74	20.13	20.26	20.24	20.50	0-2
		36	0	19.13	19.19	19.18	19.50	0-3
		36	18	19.19	19.30	19.31	19.50	0-3
		36	37	19.21	19.22	19.22	19.50	0-3
		75	0	19.24	19.25	19.23	19.50	0-3

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LTE Band 71_Ant3_Calling mode with WLAN power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133172	133297	133422		
10	QPSK	1	0	22.24	22.31	22.20	22.50	0
		1	25	22.13	22.32	22.30	22.50	0
		1	49	22.25	22.24	22.18	22.50	0
		25	0	21.21	21.22	21.25	21.50	0-1
		25	12	21.21	21.27	21.20	21.50	0-1
		25	25	21.21	21.31	21.31	21.50	0-1
		50	0	21.16	21.30	21.30	21.50	0-1
	16-QAM	1	0	21.16	21.23	21.27	21.50	0-1
		1	25	21.20	21.28	21.17	21.50	0-1
		1	49	21.23	21.30	21.23	21.50	0-1
		25	0	20.20	20.28	20.28	20.50	0-2
		25	12	20.14	20.33	20.21	20.50	0-2
		25	25	20.25	20.24	20.18	20.50	0-2
		50	0	20.20	20.25	20.27	20.50	0-2
	64-QAM	1	0	20.20	20.21	20.27	20.50	0-2
		1	25	20.14	20.30	20.29	20.50	0-2
		1	49	20.25	20.30	20.28	20.50	0-2
		25	0	19.23	19.23	19.24	19.50	0-3
		25	12	19.20	19.19	19.25	19.50	0-3
		25	25	19.24	19.22	19.19	19.50	0-3
		50	0	19.13	19.22	19.20	19.50	0-3
Frequency (MHz)				665.5	680.5	695.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				133147	133297	133447		
5	QPSK	1	0	22.19	22.25	22.21	22.50	0
		1	12	22.14	22.31	22.20	22.50	0
		1	24	22.21	22.32	22.22	22.50	0
		12	0	21.18	21.33	21.18	21.50	0-1
		12	6	21.21	21.32	21.25	21.50	0-1
		12	13	21.12	21.31	21.20	21.50	0-1
		25	0	21.23	21.23	21.22	21.50	0-1
	16-QAM	1	0	21.24	21.31	21.17	21.50	0-1
		1	12	21.23	21.33	21.18	21.50	0-1
		1	24	21.21	21.22	21.29	21.50	0-1
		12	0	20.14	20.28	20.27	20.50	0-2
		12	6	20.15	20.19	20.20	20.50	0-2
		12	13	20.23	20.19	20.30	20.50	0-2
		25	0	20.17	20.25	20.31	20.50	0-2
	64-QAM	1	0	20.12	20.31	20.28	20.50	0-2
		1	12	20.14	20.26	20.26	20.50	0-2
		1	24	20.11	20.23	20.20	20.50	0-2
		12	0	19.19	19.31	19.24	19.50	0-3
		12	6	19.21	19.27	19.21	19.50	0-3
		12	13	19.23	19.22	19.23	19.50	0-3
		25	0	19.15	19.29	19.22	19.50	0-3

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LTE TDD Band 38 / Band 41 conducted power table:

LTE Band 38_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2580	2595	2610		
Channel				37850	38000	38150		
20	QPSK	1	0	22.95	22.94	22.75	24.00	0
		1	50	22.89	22.91	22.33	24.00	0
		1	99	22.94	22.42	22.73	24.00	0
		50	0	22.15	22.11	22.04	23.00	0-1
		50	25	22.13	22.04	22.00	23.00	0-1
		50	50	22.11	22.05	22.02	23.00	0-1
		100	0	22.11	22.02	22.01	23.00	0-1
	16-QAM	1	0	21.81	21.92	21.70	23.00	0-1
		1	50	21.84	21.82	21.60	23.00	0-1
		1	99	21.88	21.87	21.64	23.00	0-1
		50	0	20.86	20.81	20.68	22.00	0-2
		50	25	20.81	20.90	20.68	22.00	0-2
		50	50	20.93	20.80	20.73	22.00	0-2
		100	0	20.86	20.79	20.60	22.00	0-2
	64-QAM	1	0	20.80	20.87	20.73	22.00	0-2
		1	50	20.79	20.89	20.66	22.00	0-2
		1	99	20.92	20.79	20.72	22.00	0-2
		50	0	19.81	19.86	19.70	21.00	0-3
		50	25	19.89	19.89	19.62	21.00	0-3
		50	50	19.80	19.82	19.63	21.00	0-3
		100	0	19.92	19.91	19.59	21.00	0-3
Frequency (MHz)				2577.5	2595	2612.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				37825	38000	38175		
15	QPSK	1	0	22.91	22.85	22.59	24.00	0
		1	36	22.93	22.92	22.63	24.00	0
		1	74	22.93	22.83	22.65	24.00	0
		36	0	21.89	21.84	21.62	23.00	0-1
		36	18	21.82	21.81	21.59	23.00	0-1
		36	37	21.90	21.82	21.62	23.00	0-1
		75	0	21.81	21.83	21.72	23.00	0-1
	16-QAM	1	0	21.79	21.80	21.65	23.00	0-1
		1	36	21.87	21.82	21.64	23.00	0-1
		1	74	21.87	21.83	21.72	23.00	0-1
		36	0	20.93	20.81	20.68	22.00	0-2
		36	18	20.93	20.88	20.69	22.00	0-2
		36	37	20.87	20.80	20.70	22.00	0-2
		75	0	20.92	20.85	20.72	22.00	0-2
	64-QAM	1	0	20.83	20.82	20.73	22.00	0-2
		1	36	20.91	20.92	20.72	22.00	0-2
		1	74	20.92	20.79	20.62	22.00	0-2
		36	0	19.83	19.84	19.72	21.00	0-3
		36	18	19.87	19.79	19.67	21.00	0-3
		36	37	19.91	19.82	19.60	21.00	0-3
		75	0	19.80	19.89	19.60	21.00	0-3

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LTE Band 38_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2575	2595	2615		
Channel				37800	38000	38200		
10	QPSK	1	0	22.91	22.86	22.73	24.00	0
		1	25	22.82	22.78	22.59	24.00	0
		1	49	22.84	22.85	22.73	24.00	0
		25	0	21.87	21.86	21.64	23.00	0-1
		25	12	21.88	21.86	21.63	23.00	0-1
		25	25	21.82	21.89	21.61	23.00	0-1
		50	0	21.90	21.83	21.71	23.00	0-1
	16-QAM	1	0	21.92	21.87	21.72	23.00	0-1
		1	25	21.82	21.83	21.65	23.00	0-1
		1	49	21.88	21.83	21.61	23.00	0-1
		25	0	20.92	20.79	20.60	22.00	0-2
		25	12	20.80	20.87	20.67	22.00	0-2
		25	25	20.86	20.80	20.64	22.00	0-2
		50	0	20.80	20.86	20.70	22.00	0-2
	64-QAM	1	0	20.82	20.88	20.65	22.00	0-2
		1	25	20.79	20.81	20.69	22.00	0-2
		1	49	20.82	20.87	20.67	22.00	0-2
		25	0	19.88	19.83	19.61	21.00	0-3
		25	12	19.79	19.85	19.59	21.00	0-3
		25	25	19.84	19.78	19.67	21.00	0-3
		50	0	19.87	19.80	19.61	21.00	0-3
Frequency (MHz)				2572.5	2595	2617.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				37775	38000	38225		
5	QPSK	1	0	22.92	22.91	22.66	24.00	0
		1	12	22.85	22.85	22.62	24.00	0
		1	24	22.92	22.79	22.61	24.00	0
		12	0	21.81	21.92	21.71	23.00	0-1
		12	6	21.83	21.90	21.59	23.00	0-1
		12	13	21.80	21.78	21.60	23.00	0-1
		25	0	21.80	21.86	21.73	23.00	0-1
	16-QAM	1	0	21.92	21.85	21.72	23.00	0-1
		1	12	21.84	21.81	21.68	23.00	0-1
		1	24	21.83	21.83	21.69	23.00	0-1
		12	0	20.81	20.90	20.65	22.00	0-2
		12	6	20.87	20.86	20.59	22.00	0-2
		12	13	20.92	20.82	20.72	22.00	0-2
		25	0	20.87	20.87	20.73	22.00	0-2
	64-QAM	1	0	20.85	20.91	20.59	22.00	0-2
		1	12	20.92	20.89	20.68	22.00	0-2
		1	24	20.91	20.86	20.62	22.00	0-2
		12	0	19.90	19.91	19.70	21.00	0-3
		12	6	19.82	19.83	19.73	21.00	0-3
		12	13	19.87	19.78	19.70	21.00	0-3
		25	0	19.81	19.83	19.69	21.00	0-3

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LTE Band 41_Ant2											
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.31	22.92	22.88	22.34	22.21	24.00	0
		1	50	22.18	22.86	22.78	22.39	22.02	24.00	0
		1	99	22.29	22.91	22.67	22.17	22.20	24.00	0
		50	0	21.61	21.91	21.87	21.34	21.41	23.00	0-1
		50	25	21.51	21.81	21.79	21.33	21.14	23.00	0-1
		50	50	21.44	22.09	21.85	21.23	21.22	23.00	0-1
		100	0	21.58	21.92	21.87	21.32	21.38	23.00	0-1
	16-QAM	1	0	21.29	21.81	21.78	21.24	21.15	23.00	0-1
		1	50	21.18	21.89	21.86	21.27	21.16	23.00	0-1
		1	99	21.28	21.84	21.82	21.30	21.18	23.00	0-1
		50	0	20.19	20.77	20.86	20.18	20.10	22.00	0-2
		50	25	20.26	20.79	20.78	20.24	20.13	22.00	0-2
		50	50	20.16	20.87	20.85	20.27	20.14	22.00	0-2
		100	0	20.24	20.77	20.85	20.23	20.09	22.00	0-2
	64-QAM	1	0	20.28	20.90	20.73	20.29	20.18	22.00	0-2
		1	50	20.25	20.76	20.76	20.31	20.12	22.00	0-2
		1	99	20.29	20.77	20.81	20.25	20.09	22.00	0-2
		50	0	19.24	19.85	19.81	19.27	19.06	21.00	0-3
		50	25	19.23	19.79	19.82	19.29	19.05	21.00	0-3
		50	50	19.25	19.83	19.78	19.28	19.14	21.00	0-3
		100	0	19.18	19.76	19.79	19.31	19.17	21.00	0-3
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	22.16	22.87	22.84	22.22	22.06	24.00	0
		1	36	22.16	22.78	22.82	22.22	22.06	24.00	0
		1	74	22.24	22.80	22.76	22.20	22.18	24.00	0
		36	0	21.17	21.87	21.74	21.23	21.05	23.00	0-1
		36	18	21.16	21.76	21.72	21.20	21.14	23.00	0-1
		36	37	21.18	21.78	21.85	21.28	21.05	23.00	0-1
		75	0	21.26	21.78	21.73	21.20	21.10	23.00	0-1
	16-QAM	1	0	21.20	21.86	21.78	21.20	21.19	23.00	0-1
		1	36	21.25	21.76	21.79	21.24	21.07	23.00	0-1
		1	74	21.21	21.80	21.74	21.27	21.19	23.00	0-1
		36	0	20.16	20.84	20.79	20.28	20.19	22.00	0-2
		36	18	20.19	20.89	20.79	20.22	20.11	22.00	0-2
		36	37	20.26	20.88	20.72	20.19	20.09	22.00	0-2
		75	0	20.16	20.84	20.75	20.21	20.19	22.00	0-2
	64-QAM	1	0	20.25	20.81	20.85	20.22	20.06	22.00	0-2
		1	36	20.22	20.79	20.78	20.26	20.18	22.00	0-2
		1	74	20.26	20.83	20.74	20.32	20.07	22.00	0-2
		36	0	19.22	19.78	19.75	19.27	19.07	21.00	0-3
		36	18	19.26	19.88	19.77	19.20	19.08	21.00	0-3
		36	37	19.16	19.79	19.83	19.30	19.11	21.00	0-3
		75	0	19.25	19.78	19.82	19.28	19.12	21.00	0-3

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LTE Band 41_Ant2											
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	22.15	22.86	22.82	22.22	22.05	24.00	0
		1	25	22.18	22.81	22.72	22.22	22.07	24.00	0
		1	49	22.22	22.78	22.81	22.29	22.18	24.00	0
		25	0	21.28	21.87	21.86	21.25	21.09	23.00	0-1
		25	12	21.21	21.82	21.80	21.25	21.10	23.00	0-1
		25	25	21.16	21.84	21.73	21.28	21.15	23.00	0-1
		50	0	21.27	21.88	21.85	21.23	21.09	23.00	0-1
	16-QAM	1	0	21.23	21.78	21.74	21.21	21.10	23.00	0-1
		1	25	21.26	21.86	21.76	21.21	21.16	23.00	0-1
		1	49	21.23	21.83	21.76	21.21	21.06	23.00	0-1
		25	0	20.22	20.76	20.81	20.19	20.11	22.00	0-2
		25	12	20.24	20.77	20.73	20.29	20.18	22.00	0-2
		25	25	20.17	20.76	20.79	20.18	20.15	22.00	0-2
		50	0	20.15	20.85	20.85	20.30	20.18	22.00	0-2
	64-QAM	1	0	20.18	20.87	20.80	20.20	20.18	22.00	0-2
		1	25	20.25	20.86	20.75	20.19	20.15	22.00	0-2
		1	49	20.15	20.90	20.78	20.20	20.18	22.00	0-2
		25	0	19.28	19.90	19.75	19.22	19.14	21.00	0-3
		25	12	19.18	19.88	19.81	19.28	19.09	21.00	0-3
		25	25	19.29	19.82	19.83	19.29	19.06	21.00	0-3
		50	0	19.27	19.90	19.73	19.29	19.18	21.00	0-3
Frequency (MHz)				2498.5	2547.8	2593	2640.3	2687.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	22.23	22.81	22.82	22.27	22.12	24.00	0
		1	12	22.29	22.90	22.83	22.28	22.14	24.00	0
		1	24	22.29	22.78	22.76	22.29	22.13	24.00	0
		12	0	21.21	21.76	21.75	21.30	21.15	23.00	0-1
		12	6	21.23	21.87	21.78	21.29	21.06	23.00	0-1
		12	13	21.16	21.89	21.79	21.21	21.15	23.00	0-1
		25	0	21.24	21.80	21.76	21.19	21.07	23.00	0-1
	16-QAM	1	0	21.21	21.90	21.77	21.20	21.15	23.00	0-1
		1	12	21.19	21.82	21.75	21.20	21.08	23.00	0-1
		1	24	21.15	21.86	21.84	21.27	21.14	23.00	0-1
		12	0	20.23	20.90	20.77	20.18	20.11	22.00	0-2
		12	6	20.25	20.89	20.73	20.24	20.10	22.00	0-2
		12	13	20.15	20.87	20.82	20.32	20.13	22.00	0-2
		25	0	20.24	20.84	20.73	20.25	20.14	22.00	0-2
	64-QAM	1	0	20.25	20.87	20.77	20.32	20.14	22.00	0-2
		1	12	20.21	20.90	20.73	20.20	20.16	22.00	0-2
		1	24	20.21	20.86	20.79	20.30	20.08	22.00	0-2
		12	0	19.21	19.84	19.76	19.29	19.10	21.00	0-3
		12	6	19.24	19.88	19.84	19.27	19.11	21.00	0-3
		12	13	19.15	19.85	19.81	19.31	19.12	21.00	0-3
		25	0	19.15	19.83	19.80	19.27	19.06	21.00	0-3

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Intra-Band ULCA power table

7C

CA_7C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2560	21350	1	0	20	QPSK	2540.2	21152	1	99	0	22.44	24.00
20	QPSK	2510	20850	1	0	20	QPSK	2529.8	21048	1	0	0	22.32	24.00

CA_7C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2560	21350	1	0	15	QPSK	2542.9	21179	1	74	0	22.41	24.00
20	QPSK	2510	20850	1	0	15	QPSK	2527.1	21021	1	0	0	22.28	24.00

CA_7C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2562.5	21375	1	0	15	QPSK	2547.5	21225	1	0	0	22.32	24.00
15	QPSK	2507.5	20825	1	0	15	QPSK	2522.5	20975	1	74	0	22.25	24.00

CA_7C														
Combination 75RB + 50RB (15MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2562.5	21375	1	0	10	QPSK	2519.5	20945	1	0	0	22.35	24.00

CA_7C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2560	21350	1	0	10	QPSK	2524.4	20994	1	0	0	22.21	24.00

38C

CA_38C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2580	37850	1	99	20	QPSK	2599.8	38048	1	0	0	22.54	24.00
20	QPSK	2610	38150	1	99	20	QPSK	2590.2	37952	1	0	0	22.74	24.00

CA_38C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2612.5	38175	1	74	15	QPSK	2597.5	38025	1	0	0	22.52	24.00
15	QPSK	2577.5	37825	1	36	15	QPSK	2592.5	37975	1	74	0	22.70	24.00

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41C

CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	0	0	22.17	24.00
20	QPSK	2506	39750	1	0	20	QPSK	2525.8	39948	1	99	0	22.25	24.00

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	0	0	22.08	24.00
20	QPSK	2506	39750	1	0	15	QPSK	2523.1	39921	1	74	0	22.12	24.00

CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2682.5	41515	1	0	15	QPSK	2667.5	41365	1	0	0	22.12	24.00
15	QPSK	2503.5	39725	1	0	15	QPSK	2518.5	39875	1	74	0	22.22	24.00

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	0	0	22.07	24.00
20	QPSK	2506	39750	1	0	10	QPSK	2520.4	39894	1	49	0	22.16	24.00

CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2682.5	41515	1	0	10	QPSK	2670.5	41395	1	0	0	22.02	24.00
15	QPSK	2503.5	39725	1	0	10	QPSK	2515.5	39845	1	49	0	22.09	24.00

CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	0	0	22.10	24.00
20	QPSK	2506	39750	1	0	5	QPSK	2517.7	39867	1	24	0	22.18	24.00

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5G NR power table

5G NR n2 / n5 / n7 / n12 / n25 / n38 / n66 / n77 power table:

5G NR n2_15kHz_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				372000	376000	380000		
20	Pi/2 BPSK	1	1	22.20	22.24	22.30	24.00	0
		1	53	22.08	22.19	22.19	24.00	0
		1	104	22.09	22.11	22.20	24.00	0
		50	0	22.17	22.18	22.28	24.00	0
		50	28	22.16	22.14	22.20	24.00	0
		50	56	22.15	22.11	22.17	24.00	0
		100	0	21.63	21.61	21.72	23.50	0-0.5
	QPSK	1	1	22.17	22.13	22.17	24.00	0
		1	53	22.09	22.12	22.17	24.00	0
		1	104	22.13	22.22	22.28	24.00	0
		50	0	22.15	22.20	22.19	24.00	0
		50	28	22.07	22.11	22.15	24.00	0
		50	56	22.15	22.09	22.16	24.00	0
		100	0	21.12	21.22	21.21	23.00	0-1
	16-QAM	1	1	21.07	21.17	21.24	23.00	0-1
	64QAM	1	1	19.58	19.68	19.77	21.50	0-2.5
	256-QAM	1	1	17.60	17.63	17.72	19.50	0-4.5
Frequency (MHz)				1857.5	1880	1902.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				371500	376000	380500		
15	Pi/2 BPSK	1	1	22.09	22.12	22.14	24.00	0
Frequency (MHz)				1855	1880	1905	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				371000	376000	381000		
10	Pi/2 BPSK	1	1	22.16	22.17	22.26	24.00	0
Frequency (MHz)				1852.5	1880	1907.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				370500	376000	381500		
5	Pi/2 BPSK	1	1	22.17	22.10	22.22	24.00	0

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5G NR n5_15kHz_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				834	836.5	839		
Channel				166800	167300	167800		
20	Pi/2 BPSK	1	1	23.34	23.17	23.01	24.00	0
		1	53	23.29	23.03	22.86	24.00	0
		1	104	23.21	23.08	22.97	24.00	0
		50	0	23.29	23.10	22.97	24.00	0
		50	28	23.27	23.05	22.88	24.00	0
		50	56	23.27	23.01	22.85	24.00	0
		100	0	22.70	22.56	22.38	23.50	0-0.5
	QPSK	1	1	23.27	23.07	22.97	24.00	0
		1	53	23.20	23.11	22.88	24.00	0
		1	104	23.24	23.02	22.87	24.00	0
		50	0	23.23	23.04	22.85	24.00	0
		50	28	23.27	23.03	22.95	24.00	0
		50	56	23.27	23.05	22.89	24.00	0
		100	0	22.21	22.05	21.99	23.00	0-1
	16-QAM	1	1	22.30	22.12	21.86	23.00	0-1
	64QAM	1	1	20.73	20.56	20.40	21.50	0-2.5
	256-QAM	1	1	18.72	18.60	18.35	19.50	0-4.5
Frequency (MHz)				831.5	836.5	841.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				166300	167300	168300		
15	Pi/2 BPSK	1	1	23.29	23.14	22.92	24.00	0
Frequency (MHz)				829	836.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				166300	167300	168800		
10	Pi/2 BPSK	1	1	23.23	23.05	22.97	24.00	0
Frequency (MHz)				826.5	836.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				165300	167300	169300		
5	Pi/2 BPSK	1	1	23.23	23.05	22.86	24.00	0

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5G NR n5_15kHz_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				834	836.5	839		
Channel				166800	167300	167800		
20	Pi/2 BPSK	1	1	22.69	22.23	22.28	23.50	0
		1	53	22.60	22.07	22.25	23.50	0
		1	104	22.56	22.18	22.22	23.50	0
		50	0	22.67	22.17	22.23	23.50	0
		50	28	22.56	22.13	22.21	23.50	0
		50	56	22.53	22.10	22.13	23.50	0
		100	0	22.10	21.64	21.65	23.00	0-0.5
	QPSK	1	1	22.67	22.16	22.25	23.50	0
		1	53	22.63	22.11	22.21	23.50	0
		1	104	22.59	22.21	22.25	23.50	0
		50	0	22.53	22.17	22.22	23.50	0
		50	28	22.55	22.09	22.15	23.50	0
		50	56	22.65	22.14	22.17	23.50	0
		100	0	21.62	21.11	21.21	22.50	0-1
	16-QAM	1	1	21.66	21.20	21.17	22.50	0-1
	64QAM	1	1	20.07	19.68	19.62	21.00	0-2.5
	256-QAM	1	1	18.16	17.57	17.70	19.00	0-4.5
Frequency (MHz)				831.5	836.5	841.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				166300	167300	168300		
15	Pi/2 BPSK	1	1	22.60	22.13	22.25	23.50	0
Frequency (MHz)				829	836.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				166300	167300	168800		
10	Pi/2 BPSK	1	1	22.56	22.16	22.23	23.50	0
Frequency (MHz)				826.5	836.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				165300	167300	169300		
5	Pi/2 BPSK	1	1	22.59	22.21	22.26	23.50	0

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5G NR n5_15kHz_Ant3_Calling mode with WLAN power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				834	836.5	839		
Channel				166800	167300	167800		
20	Pi/2 BPSK	1	1	22.69	22.23	22.28	23.50	0
		1	53	22.60	22.07	22.25	23.50	0
		1	104	22.56	22.18	22.22	23.50	0
		50	0	22.67	22.21	22.18	23.50	0
		50	28	22.56	22.17	22.14	23.50	0
		50	56	22.53	22.10	22.13	23.50	0
		100	0	22.10	21.64	21.65	23.00	0-0.5
	QPSK	1	1	22.67	22.16	22.25	23.50	0
		1	53	22.63	22.11	22.21	23.50	0
		1	104	22.59	22.21	22.25	23.50	0
		50	0	22.53	22.17	22.22	23.50	0
		50	28	22.55	22.09	22.15	23.50	0
		50	56	22.65	22.14	22.17	23.50	0
		100	0	21.62	21.11	21.21	22.50	0-1
	16-QAM	1	1	21.66	21.20	21.17	22.50	0-1
	64QAM	1	1	20.07	19.68	19.62	21.00	0-2.5
	256-QAM	1	1	18.16	17.57	17.70	19.00	0-4.5
Frequency (MHz)				831.5	836.5	841.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				166300	167300	168300		
15	Pi/2 BPSK	1	1	22.60	22.13	22.25	23.50	0
Frequency (MHz)				829	836.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				166300	167300	168800		
10	Pi/2 BPSK	1	1	22.56	22.16	22.23	23.50	0
Frequency (MHz)				826.5	836.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				165300	167300	169300		
5	Pi/2 BPSK	1	1	22.59	22.21	22.26	23.50	0

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5G NR n7_15kHz_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				502000	507000	512000		
20	Pi/2 BPSK	1	1	22.31	22.94	22.51	24.00	0
		1	53	22.17	22.89	22.46	24.00	0
		1	104	22.15	22.83	22.48	24.00	0
		50	0	22.29	22.89	22.49	24.00	0
		50	28	22.25	22.86	22.48	24.00	0
		50	56	22.16	22.87	22.36	24.00	0
		100	0	21.75	22.34	21.92	23.50	0-0.5
	QPSK	1	1	22.23	22.80	22.41	24.00	0
		1	53	22.23	22.83	22.37	24.00	0
		1	104	22.27	22.78	22.45	24.00	0
		50	0	22.26	22.88	22.47	24.00	0
		50	28	22.25	22.89	22.35	24.00	0
		50	56	22.21	22.81	22.40	24.00	0
		100	0	21.22	21.80	21.43	23.00	0-1
	16-QAM	1	1	21.27	21.80	21.41	23.00	0-1
	64QAM	1	1	19.67	20.34	19.99	21.50	0-2.5
	256-QAM	1	1	17.74	18.30	17.89	19.50	0-4.5
Frequency (MHz)				2507.5	2535	2562.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				501500	507000	512500		
15	Pi/2 BPSK	1	1	22.18	22.89	22.46	24.00	0
Frequency (MHz)				2505	2535	2565	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				501000	507000	513000		
10	Pi/2 BPSK	1	1	22.19	22.91	22.36	24.00	0
Frequency (MHz)				2502.5	2535	2567.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				500500	507000	513500		
5	Pi/2 BPSK	1	1	22.26	22.82	22.43	24.00	0

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5G NR n7_15kHz_Ant2_Hotspot mode power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				502000	507000	512000		
20	Pi/2 BPSK	1	1	21.81	21.94	21.91	22.00	0
		1	53	21.76	21.88	21.82	22.00	0
		1	104	21.72	21.87	21.86	22.00	0
		50	0	21.75	21.90	21.89	22.00	0
		50	28	21.71	21.86	21.88	22.00	0
		50	56	21.72	21.83	21.83	22.00	0
		100	0	21.30	21.34	21.33	21.50	0-0.5
	QPSK	1	1	21.78	21.92	21.87	22.00	0
		1	53	21.72	21.88	21.82	22.00	0
		1	104	21.79	21.91	21.86	22.00	0
		50	0	21.79	21.90	21.82	22.00	0
		50	28	21.78	21.87	21.86	22.00	0
		50	56	21.80	21.93	21.85	22.00	0
		100	0	20.75	20.86	20.82	21.00	0-1
	16-QAM	1	1	20.76	20.91	20.87	21.00	0-1
	64QAM	1	1	19.22	19.37	19.31	19.50	0-2.5
	256-QAM	1	1	17.26	17.38	17.36	17.50	0-4.5
Frequency (MHz)				2507.5	2535	2562.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				501500	507000	512500		
15	Pi/2 BPSK	1	1	21.75	21.90	21.89	22.00	0
Frequency (MHz)				2505	2535	2565	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				501000	507000	513000		
10	Pi/2 BPSK	1	1	21.80	21.85	21.86	22.00	0
Frequency (MHz)				2502.5	2535	2567.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				500500	507000	513500		
5	Pi/2 BPSK	1	1	21.73	21.90	21.82	22.00	0

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5G NR n12_15kHz_Ant1								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	707.5	708.5		
Channel				141300	141500	141700		
15	Pi/2 BPSK	1	1	22.94	22.91	23.02	24.00	0
		1	40	22.87	22.75	22.98	24.00	0
		1	77	22.86	22.76	22.99	24.00	0
		36	0	22.88	22.75	22.95	24.00	0
		36	22	22.85	22.72	22.91	24.00	0
		36	43	22.80	22.75	22.94	24.00	0
		75	0	22.28	22.35	22.36	23.50	0-0.5
	QPSK	1	1	22.86	22.75	22.86	24.00	0
		1	40	22.89	22.86	22.94	24.00	0
		1	77	22.89	22.88	22.98	24.00	0
		36	0	22.85	22.84	22.89	24.00	0
		36	22	22.84	22.88	22.88	24.00	0
		36	43	22.78	22.76	22.98	24.00	0
		75	0	21.83	21.79	22.00	23.00	0-1
	16-QAM	1	1	21.78	21.88	21.92	23.00	0-1
	64QAM	1	1	20.37	20.31	20.37	21.50	0-2.5
	256-QAM	1	1	18.28	18.27	18.38	19.50	0-4.5
Frequency (MHz)				704	707.5	711	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				140800	141500	142200		
10	Pi/2 BPSK	1	1	22.85	22.80	22.91	24.00	0
Frequency (MHz)				701.5	707.5	713.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				140300	141500	142200		
5	Pi/2 BPSK	1	1	22.90	22.81	22.99	24.00	0

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5G NR n12_15kHz_Ant3								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	707.5	708.5		
Channel				141300	141500	141700		
15	Pi/2 BPSK	1	1	22.31	22.32	22.16	23.50	0
		1	40	22.21	22.23	22.03	23.50	0
		1	77	22.29	22.16	22.07	23.50	0
		36	0	22.25	22.27	22.13	23.50	0
		36	22	22.23	22.25	22.11	23.50	0
		36	43	22.22	22.19	22.01	23.50	0
		75	0	21.75	21.77	21.64	23.00	0-0.5
	QPSK	1	1	22.21	22.29	22.03	23.50	0
		1	40	22.28	22.28	22.12	23.50	0
		1	77	22.25	22.16	22.10	23.50	0
		36	0	22.24	22.18	22.13	23.50	0
		36	22	22.19	22.20	22.02	23.50	0
		36	43	22.25	22.16	22.01	23.50	0
		75	0	21.15	21.20	21.09	22.50	0-1
	16-QAM	1	1	21.29	21.18	21.07	22.50	0-1
	64QAM	1	1	19.70	19.69	19.60	21.00	0-2.5
	256-QAM	1	1	17.74	17.71	17.55	19.00	0-4.5
Frequency (MHz)				704	707.5	711	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				140800	141500	142200		
10	Pi/2 BPSK	1	1	22.26	22.20	22.10	23.50	0
Frequency (MHz)				701.5	707.5	713.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				140300	141500	142200		
5	Pi/2 BPSK	1	1	22.28	22.26	22.12	23.50	0

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5G NR n25_15kHz_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				372000	376500	381000		
20	Pi/2 BPSK	1	1	22.19	22.21	22.24	24.00	0
		1	53	22.05	22.10	22.10	24.00	0
		1	104	22.10	22.13	22.21	24.00	0
		50	0	22.15	22.09	22.17	24.00	0
		50	28	22.13	22.11	22.12	24.00	0
		50	56	22.03	22.06	22.17	24.00	0
		100	0	21.53	21.66	21.67	23.50	0-0.5
	QPSK	1	1	22.05	22.13	22.15	24.00	0
		1	53	22.06	22.09	22.10	24.00	0
		1	104	22.11	22.12	22.18	24.00	0
		50	0	22.06	22.10	22.09	24.00	0
		50	28	22.04	22.19	22.19	24.00	0
		50	56	22.05	22.15	22.12	24.00	0
		100	0	21.07	21.17	21.08	23.00	0-1
	16-QAM	1	1	21.09	21.11	21.22	23.00	0-1
	64QAM	1	1	19.57	19.63	19.70	21.50	0-2.5
	256-QAM	1	1	17.61	17.63	17.68	19.50	0-4.5
Frequency (MHz)				1857.5	1882.5	1907.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				371500	376500	381500		
15	Pi/2 BPSK	1	1	22.08	22.18	22.20	24.00	0
Frequency (MHz)				1855	1882.5	1910	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				371000	376500	382000		
10	Pi/2 BPSK	1	1	22.10	22.16	22.14	24.00	0
Frequency (MHz)				1852.5	1882.5	1912.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				370500	376500	382500		
5	Pi/2 BPSK	1	1	22.03	22.11	22.09	24.00	0

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5G NR n38_30kHz_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2590	2595	2600		
Channel				518000	519000	520000		
15	Pi/2 BPSK	1	1	23.03	22.87	22.83	24.00	0
		1	53	22.87	22.84	22.74	24.00	0
		1	104	22.97	22.72	22.68	24.00	0
		50	0	22.96	22.78	22.75	24.00	0
		50	28	22.93	22.75	22.71	24.00	0
		50	56	22.92	22.71	22.72	24.00	0
		100	0	22.46	22.30	22.26	23.50	0-0.5
	QPSK	1	1	23.01	22.78	22.79	24.00	0
		1	53	22.99	22.73	22.74	24.00	0
		1	104	22.90	22.72	22.69	24.00	0
		50	0	22.88	22.73	22.81	24.00	0
		50	28	22.89	22.78	22.73	24.00	0
		50	56	22.87	22.76	22.68	24.00	0
		100	0	21.95	21.82	21.69	23.00	0-1
	16-QAM	1	1	21.97	21.76	21.73	23.00	0-1
	64QAM	1	1	20.41	20.28	20.22	21.50	0-2.5
	256-QAM	1	1	18.43	18.23	18.19	19.50	0-4.5
Frequency (MHz)				2585	2595	2605	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				517000	519000	521000		
30	Pi/2 BPSK	1	1	22.87	22.84	22.74	24.00	0
Frequency (MHz)				2580	2595	2610	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				516000	519000	522000		
20	Pi/2 BPSK	1	1	22.87	22.84	22.74	24.00	0

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5G NR n38_30kHz_Ant2_Hotspot mode power								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2590	2595	2600		
Channel				518000	519000	520000		
15	Pi/2 BPSK	1	1	23.03	22.87	22.83	23.50	0
		1	53	22.87	22.84	22.74	23.50	0
		1	104	22.97	22.72	22.68	23.50	0
		50	0	22.96	22.78	22.76	23.50	0
		50	28	22.93	22.75	22.71	23.50	0
		50	56	22.92	22.61	22.72	23.50	0
		100	0	22.46	22.30	22.26	23.00	0-0.5
	QPSK	1	1	23.01	22.78	22.79	23.50	0
		1	53	22.99	22.73	22.74	23.50	0
		1	104	22.90	22.72	22.69	23.50	0
		50	0	22.88	22.73	22.81	23.50	0
		50	28	22.89	22.78	22.73	23.50	0
		50	56	22.87	22.76	22.68	23.50	0
		100	0	21.95	21.82	21.69	22.50	0-1
	16-QAM	1	1	21.97	21.76	21.73	22.50	0-1
	64QAM	1	1	20.41	20.28	20.22	21.00	0-2.5
	256-QAM	1	1	18.43	18.23	18.19	19.00	0-4.5
Frequency (MHz)				2585	2595	2605	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				517000	519000	521000		
30	Pi/2 BPSK	1	1	22.87	22.84	22.74	23.50	0
Frequency (MHz)				2580	2595	2610	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				516000	519000	522000		
20	Pi/2 BPSK	1	1	22.87	22.84	22.74	23.50	0

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5G NR n66_15kHz_Ant2								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				344000	349000	354000		
20	Pi/2 BPSK	1	1	22.87	22.61	22.69	24.00	0
		1	53	22.85	22.51	22.55	24.00	0
		1	104	22.76	22.48	22.64	24.00	0
		50	0	22.77	22.52	22.64	24.00	0
		50	28	22.71	22.39	22.56	24.00	0
		50	56	22.76	22.48	22.58	24.00	0
		100	0	22.34	21.99	22.06	23.50	0-0.5
	QPSK	1	1	22.77	22.54	22.62	24.00	0
		1	53	22.73	22.57	22.60	24.00	0
		1	104	22.75	22.57	22.66	24.00	0
		50	0	22.79	22.57	22.59	24.00	0
		50	28	22.79	22.54	22.65	24.00	0
		50	56	22.79	22.59	22.57	24.00	0
		100	0	21.71	21.50	21.64	23.00	0-1
	16-QAM	1	1	21.71	21.49	21.59	23.00	0-1
	64QAM	1	1	20.27	20.06	20.09	21.50	0-2.5
	256-QAM	1	1	18.26	18.08	18.04	19.50	0-4.5
Frequency (MHz)				1717.5	1745	1772.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				343500	349000	354500		
15	Pi/2 BPSK	1	1	22.78	22.47	22.57	24.00	0
Frequency (MHz)				1715	1745	1775	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				343000	349000	355000		
10	Pi/2 BPSK	1	1	22.79	22.55	22.56	24.00	0
Frequency (MHz)				1712.5	1745	1777.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				342500	349000	355500		
5	Pi/2 BPSK	1	1	22.83	22.49	22.53	24.00	0

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5G NR n77_30kHz_Ant4											
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3786	3822	3858	3894	3930		
Channel				650000	652400	654800	657200	659600	662000		
100	Pi/2 BPSK	1	1	18.98	18.83	18.77	18.78	18.82	18.93	19.00	0
		1	137	18.91	18.76	18.69	18.72	18.77	18.85	19.00	0
		1	272	18.95	18.73	18.69	18.71	18.75	18.84	19.00	0
		135	0	18.97	18.75	18.68	18.76	18.80	18.88	19.00	0
		135	69	18.93	18.71	18.61	18.72	18.78	18.71	19.00	0
		135	138	18.95	18.77	18.65	18.74	18.71	18.79	19.00	0
		270	0	18.98	18.77	18.68	18.76	18.80	18.88	19.00	0
	QPSK	1	1	18.96	18.81	18.76	18.76	18.80	18.92	19.00	0
		1	53	18.88	18.77	18.73	18.77	18.73	18.90	19.00	0
		1	104	18.94	18.75	18.72	18.73	18.74	18.83	19.00	0
		50	0	18.88	18.79	18.73	18.73	18.72	18.90	19.00	0
		50	28	18.88	18.80	18.76	18.72	18.77	18.91	19.00	0
		50	56	18.91	18.73	18.74	18.70	18.72	18.92	19.00	0
		100	0	18.94	18.75	18.72	18.73	18.74	18.83	19.00	0
	16-QAM	1	1	18.88	18.79	18.72	18.73	18.72	18.91	19.00	0
	64QAM	1	1	18.95	18.73	18.65	18.74	18.71	18.73	19.00	0
	256-QAM	1	1	18.98	18.77	18.64	18.72	18.81	18.83	19.00	0
Frequency (MHz)				3745.005	3783	3820.995	3859.005	3897	3934.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649667	652200	654733	657267	659800	662333		
90	Pi/2 BPSK	1	1	18.94	18.76	18.74	18.71	18.80	18.87	19.00	0
Frequency (MHz)				3740.01	3780	3820.005	3859.995	3900	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652000	654667	657333	660000	662666		
80	Pi/2 BPSK	1	1	18.97	18.75	18.73	18.76	18.80	18.89	19.00	0
Frequency (MHz)				3730.005	3774	3817.995	3862.005	3906	3949.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648667	651600	654533	657467	660400	663333		
60	Pi/2 BPSK	1	1	18.91	18.75	18.70	18.75	18.76	18.92	19.00	0
Frequency (MHz)				3725.01	3771	3817.005	3862.995	3909	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	651400	654467	657533	660600	663666		
50	Pi/2 BPSK	1	1	18.97	18.74	18.67	18.69	18.80	18.89	19.00	0
Frequency (MHz)				3720	3768	3816	3864	3912	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	651200	654400	657600	660800	664000		
40	Pi/2 BPSK	1	1	18.92	18.73	18.75	18.72	18.78	18.86	19.00	0
Frequency (MHz)				3710.01	3762	3814.005	3865.995	3918	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	650800	654267	657733	661200	664666		
20	Pi/2 BPSK	1	1	18.93	18.75	18.70	18.70	18.73	18.84	19.00	0
Frequency (MHz)				3707.505	3760.5	3813.495	3866.505	3919.5	3972.495	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647167	650700	654233	657767	661300	664833		
15	Pi/2 BPSK	1	1	18.90	18.81	18.76	18.72	18.72	18.83	19.00	0
Frequency (MHz)				3705	3759	3813	3867	3921	3975	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647000	650600	654200	657800	661400	665000		
10	Pi/2 BPSK	1	1	18.97	18.77	18.70	18.72	18.81	18.85	19.00	0

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5G NR n77_30kHz_Ant5											
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3786	3822	3858	3894	3930		
Channel				650000	652400	654800	657200	659600	662000		
100	Pi/2 BPSK	1	1	20.72	20.88	20.91	20.62	20.98	20.88	21.00	0
		1	137	20.69	20.83	20.90	20.54	20.90	20.84	21.00	0
		1	272	20.69	20.85	20.84	20.60	20.96	20.78	21.00	0
		135	0	20.71	20.86	20.90	20.58	20.93	20.78	21.00	0
		135	69	20.66	20.84	20.82	20.52	20.89	20.77	21.00	0
		135	138	20.70	20.87	20.85	20.54	20.91	20.70	21.00	0
		270	0	20.71	20.83	20.87	20.59	20.88	20.81	21.00	0
	QPSK	1	1	20.69	20.79	20.82	20.60	20.97	20.79	21.00	0
		1	53	20.71	20.84	20.90	20.52	20.89	20.86	21.00	0
		1	104	20.66	20.83	20.87	20.53	20.96	20.85	21.00	0
		50	0	20.71	20.78	20.86	20.59	20.91	20.79	21.00	0
		50	28	20.71	20.81	20.85	20.60	20.94	20.81	21.00	0
		50	56	20.68	20.80	20.89	20.52	20.88	20.82	21.00	0
		100	0	20.70	20.78	20.81	20.56	20.97	20.79	21.00	0
	16-QAM	1	1	20.69	20.84	20.88	20.56	20.92	20.79	21.00	0
	64QAM	1	1	20.14	20.28	20.40	20.03	20.40	20.32	20.50	0-0.5
	256-QAM	1	1	16.20	16.31	16.34	16.02	16.44	16.29	16.50	0-4.5
Frequency (MHz)				3745.005	3783	3820.995	3859.005	3897	3934.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649667	652200	654733	657267	659800	662333		
90	Pi/2 BPSK	1	1	20.71	20.84	20.82	20.59	20.89	20.78	21.00	0
Frequency (MHz)				3740.01	3780	3820.005	3859.995	3900	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652000	654667	657333	660000	662666		
80	Pi/2 BPSK	1	1	20.70	20.86	20.81	20.52	20.94	20.79	21.00	0
Frequency (MHz)				3730.005	3774	3817.995	3862.005	3906	3949.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648667	651600	654533	657467	660400	663333		
60	Pi/2 BPSK	1	1	20.68	20.85	20.86	20.59	20.93	20.87	21.00	0
Frequency (MHz)				3725.01	3771	3817.005	3862.995	3909	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	651400	654467	657533	660600	663666		
50	Pi/2 BPSK	1	1	20.65	20.79	20.89	20.53	20.89	20.83	21.00	0
Frequency (MHz)				3720	3768	3816	3864	3912	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	651200	654400	657600	660800	664000		
40	Pi/2 BPSK	1	1	20.69	20.78	20.84	20.61	20.91	20.80	21.00	0
Frequency (MHz)				3710.01	3762	3814.005	3865.995	3918	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	650800	654267	657733	661200	664666		
20	Pi/2 BPSK	1	1	20.62	20.84	20.88	20.60	20.95	20.80	21.00	0
Frequency (MHz)				3707.505	3760.5	3813.495	3866.505	3919.5	3972.495	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647167	650700	654233	657767	661300	664833		
15	Pi/2 BPSK	1	1	20.64	20.78	20.87	20.59	20.90	20.85	21.00	0
Frequency (MHz)				3705	3759	3813	3867	3921	3975	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647000	650600	654200	657800	661400	665000		
10	Pi/2 BPSK	1	1	20.71	20.79	20.90	20.61	20.90	20.85	21.00	0

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5G NR n77_30kHz_Ant4_Calling mode power												
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3786	3822	3858	3894	3930		
Channel				650000	652400	654800	657200	659600	662000		
100	Pi/2 BPSK	1	1	15.48	15.33	15.31	15.28	15.44	15.41	15.48	0
		1	137	15.43	15.27	15.23	15.27	15.39	15.35	15.50	0
		1	272	15.43	15.26	15.26	15.24	15.36	15.33	15.50	0
		135	0	15.38	15.28	15.21	15.25	15.34	15.36	15.50	0
		135	69	15.35	15.23	15.13	15.19	15.38	15.32	15.50	0
		135	138	15.32	15.22	15.15	15.23	15.34	15.31	15.50	0
		270	0	15.45	15.28	15.13	15.24	15.36	15.36	15.50	0
	QPSK	1	1	15.44	15.24	15.27	15.18	15.36	15.37	15.50	0
		1	53	15.42	15.30	15.27	15.23	15.42	15.34	15.50	0
		1	104	15.47	15.23	15.29	15.18	15.37	15.39	15.50	0
		50	0	15.44	15.23	15.23	15.23	15.40	15.38	15.50	0
		50	28	15.45	15.27	15.25	15.22	15.39	15.33	15.50	0
		50	56	15.45	15.24	15.25	15.21	15.40	15.31	15.50	0
		100	0	15.33	15.22	15.13	15.22	15.37	15.33	15.50	0
	16-QAM	1	1	15.35	15.27	15.15	15.19	15.32	15.32	15.50	0
	64QAM	1	1	15.42	15.24	15.22	15.18	15.36	15.33	15.50	0
	256-QAM	1	1	15.44	15.23	15.29	15.23	15.34	15.39	15.50	0
Frequency (MHz)				3745.005	3783	3820.995	3859.005	3897	3934.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649667	652200	654733	657267	659800	662333		
90	Pi/2 BPSK	1	1	15.45	15.24	15.28	15.21	15.40	15.36	15.50	0
Frequency (MHz)				3740.01	3780	3820.005	3859.995	3900	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652000	654667	657333	660000	662666		
80	Pi/2 BPSK	1	1	15.42	15.27	15.26	15.21	15.35	15.34	15.50	0
Frequency (MHz)				3730.005	3774	3817.995	3862.005	3906	3949.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648667	651600	654533	657467	660400	663333		
60	Pi/2 BPSK	1	1	15.45	15.28	15.27	15.19	15.37	15.39	15.50	0
Frequency (MHz)				3725.01	3771	3817.005	3862.995	3909	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	651400	654467	657533	660600	663666		
50	Pi/2 BPSK	1	1	15.41	15.29	15.29	15.22	15.43	15.38	15.50	0
Frequency (MHz)				3720	3768	3816	3864	3912	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	651200	654400	657600	660800	664000		
40	Pi/2 BPSK	1	1	15.39	15.24	15.27	15.27	15.43	15.36	15.50	0
Frequency (MHz)				3710.01	3762	3814.005	3865.995	3918	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	650800	654267	657733	661200	664666		
20	Pi/2 BPSK	1	1	15.47	15.31	15.29	15.19	15.38	15.35	15.50	0
Frequency (MHz)				3707.505	3760.5	3813.495	3866.505	3919.5	3972.495	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647167	650700	654233	657767	661300	664833		
15	Pi/2 BPSK	1	1	15.39	15.26	15.29	15.20	15.37	15.34	15.50	0
Frequency (MHz)				3705	3759	3813	3867	3921	3975	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647000	650600	654200	657800	661400	665000		
10	Pi/2 BPSK	1	1	15.43	15.25	15.24	15.20	15.38	15.32	15.50	0

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5G NR n77_30kHz_Ant5_Calling mode power											
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3786	3822	3858	3894	3930		
Channel				650000	652400	654800	657200	659600	662000		
100	Pi/2 BPSK	1	1	17.72	17.88	17.91	17.79	17.93	17.88	18.00	0
		1	137	17.66	17.83	17.85	17.78	17.83	17.86	18.00	0
		1	272	17.64	17.84	17.82	17.78	17.85	17.80	18.00	0
		135	0	17.64	17.84	17.86	17.74	17.87	17.86	18.00	0
		135	69	17.62	17.79	17.83	17.72	17.81	17.83	18.00	0
		135	138	17.61	17.81	17.85	17.67	17.83	17.82	18.00	0
		270	0	17.71	17.74	17.55	17.74	17.90	17.75	18.00	0
	QPSK	1	1	17.69	17.79	17.87	17.76	17.85	17.79	18.00	0
		1	53	17.65	17.85	17.85	17.76	17.87	17.85	18.00	0
		1	104	17.66	17.84	17.81	17.78	17.84	17.78	18.00	0
		50	0	17.69	17.78	17.86	17.75	17.89	17.79	18.00	0
		50	28	17.66	17.81	17.82	17.74	17.83	17.83	18.00	0
		50	56	17.67	17.80	17.87	17.77	17.83	17.78	18.00	0
		100	0	17.65	17.79	17.86	17.76	17.84	17.79	17.00	0
	16-QAM	1	1	17.66	17.81	17.83	17.78	17.89	17.83	17.00	0
	64QAM	1	1	17.64	17.74	17.55	17.78	17.85	17.82	15.50	0
	256-QAM	1	1	17.71	17.79	17.87	17.74	17.87	17.79	13.50	0
Frequency (MHz)				3745.005	3783	3820.995	3859.005	3897	3934.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649667	652200	654733	657267	659800	662333		
90	Pi/2 BPSK	1	1	17.63	17.80	17.88	17.76	17.91	17.80	18.00	0
Frequency (MHz)				3740.01	3780	3820.005	3859.995	3900	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652000	654667	657333	660000	662666		
80	Pi/2 BPSK	1	1	17.69	17.79	17.90	17.74	17.84	17.83	18.00	0
Frequency (MHz)				3730.005	3774	3817.995	3862.005	3906	3949.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648667	651600	654533	657467	660400	663333		
60	Pi/2 BPSK	1	1	17.68	17.86	17.87	17.72	17.85	17.85	18.00	0
Frequency (MHz)				3725.01	3771	3817.005	3862.995	3909	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	651400	654467	657533	660600	663666		
50	Pi/2 BPSK	1	1	17.66	17.80	17.82	17.76	17.90	17.78	18.00	0
Frequency (MHz)				3720	3768	3816	3864	3912	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	651200	654400	657600	660800	664000		
40	Pi/2 BPSK	1	1	17.62	17.79	17.82	17.71	17.90	17.81	18.00	0
Frequency (MHz)				3710.01	3762	3814.005	3865.995	3918	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	650800	654267	657733	661200	664666		
20	Pi/2 BPSK	1	1	17.70	17.80	17.90	17.78	17.91	17.78	18.00	0
Frequency (MHz)				3707.505	3760.5	3813.495	3866.505	3919.5	3972.495	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647167	650700	654233	657767	661300	664833		
15	Pi/2 BPSK	1	1	17.70	17.83	17.82	17.78	17.83	17.79	18.00	0
Frequency (MHz)				3705	3759	3813	3867	3921	3975	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647000	650600	654200	657800	661400	665000		
10	Pi/2 BPSK	1	1	17.62	17.84	17.87	17.78	17.87	17.86	18.00	0

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5G NR n77_30kHz_Ant4_Calling mode with WLAN power											
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3786	3822	3858	3894	3930		
Channel				650000	652400	654800	657200	659600	662000		
100	Pi/2 BPSK	1	1	13.47	13.38	13.36	13.44	13.42	13.37	13.50	0
		1	137	13.46	13.33	13.30	13.39	13.37	13.34	13.50	0
		1	272	13.43	13.29	13.29	13.41	13.37	13.36	13.50	0
		135	0	13.40	13.35	13.30	13.37	13.38	13.33	13.50	0
		135	69	13.38	13.31	13.26	13.35	13.37	13.31	13.50	0
		135	138	13.39	13.32	13.25	13.24	13.35	13.29	13.50	0
		270	0	13.46	13.35	13.26	13.37	13.37	13.24	13.50	0
	QPSK	1	1	13.41	13.30	13.29	13.43	13.38	13.31	13.50	0
		1	53	13.46	13.32	13.28	13.36	13.36	13.33	13.50	0
		1	104	13.45	13.35	13.34	13.36	13.41	13.35	13.50	0
		50	0	13.39	13.32	13.28	13.38	13.33	13.28	13.50	0
		50	28	13.37	13.34	13.35	13.42	13.34	13.31	13.50	0
		50	56	13.46	13.29	13.28	13.40	13.41	13.30	13.50	0
		100	0	13.43	13.32	13.25	13.41	13.37	13.33	13.50	0
	16-QAM	1	1	13.39	13.32	13.26	13.37	13.38	13.21	13.50	0
	64QAM	1	1	13.46	13.32	13.22	13.31	13.33	13.33	13.50	0
	256-QAM	1	1	13.42	13.25	13.34	13.36	13.41	13.32	13.50	0
Frequency (MHz)				3745.005	3783	3820.995	3859.005	3897	3934.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649667	652200	654733	657267	659800	662333		
90	Pi/2 BPSK	1	1	13.37	13.29	13.26	13.41	13.38	13.28	13.50	0
Frequency (MHz)				3740.01	3780	3820.005	3859.995	3900	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652000	654667	657333	660000	662666		
80	Pi/2 BPSK	1	1	13.45	13.36	13.30	13.43	13.35	13.36	13.50	0
Frequency (MHz)				3730.005	3774	3817.995	3862.005	3906	3949.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648667	651600	654533	657467	660400	663333		
60	Pi/2 BPSK	1	1	13.39	13.32	13.35	13.40	13.34	13.34	13.50	0
Frequency (MHz)				3725.01	3771	3817.005	3862.995	3909	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	651400	654467	657533	660600	663666		
50	Pi/2 BPSK	1	1	13.46	13.33	13.30	13.37	13.40	13.28	13.50	0
Frequency (MHz)				3720	3768	3816	3864	3912	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	651200	654400	657600	660800	664000		
40	Pi/2 BPSK	1	1	13.42	13.36	13.29	13.35	13.33	13.32	13.50	0
Frequency (MHz)				3710.01	3762	3814.005	3865.995	3918	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	650800	654267	657733	661200	664666		
20	Pi/2 BPSK	1	1	13.37	13.33	13.27	13.38	13.40	13.32	13.50	0
Frequency (MHz)				3707.505	3760.5	3813.495	3866.505	3919.5	3972.495	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647167	650700	654233	657767	661300	664833		
15	Pi/2 BPSK	1	1	13.46	13.35	13.32	13.40	13.41	13.30	13.50	0
Frequency (MHz)				3705	3759	3813	3867	3921	3975	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647000	650600	654200	657800	661400	665000		
10	Pi/2 BPSK	1	1	13.37	13.32	13.32	13.37	13.39	13.35	13.50	0

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5G NR n77_30kHz_Ant5_Calling mode with WLAN power											
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3750	3786	3822	3858	3894	3930		
Channel				650000	652400	654800	657200	659600	662000		
100	Pi/2 BPSK	1	1	15.92	15.85	15.91	15.87	15.99	15.85	16.00	0
		1	137	15.83	15.84	15.90	15.84	15.98	15.83	16.00	0
		1	272	15.86	15.79	15.82	15.83	15.96	15.82	16.00	0
		135	0	15.85	15.84	15.82	15.84	15.98	15.78	16.00	0
		135	69	15.81	15.77	15.73	15.76	15.89	15.77	16.00	0
		135	138	15.82	15.75	15.77	15.82	15.91	15.71	16.00	0
		270	0	15.85	15.82	15.87	15.82	15.90	15.31	15.50	0-0.5
	QPSK	1	1	15.90	15.84	15.82	15.77	15.96	15.83	16.00	0
		1	53	15.88	15.84	15.87	15.78	15.97	15.75	16.00	0
		1	104	15.88	15.78	15.90	15.85	15.96	15.82	16.00	0
		50	0	15.86	15.82	15.87	15.85	15.97	15.82	16.00	0
		50	28	15.89	15.79	15.84	15.81	15.98	15.81	16.00	0
		50	56	15.90	15.84	15.83	15.83	15.90	15.81	16.00	0
		100	0	15.86	15.75	15.88	15.81	15.92	15.79	15.00	0-1
	16-QAM	1	1	15.90	15.79	15.83	15.86	15.94	15.76	15.00	0-1
	64QAM	1	1	15.82	15.81	15.88	15.78	15.90	15.80	13.50	0-2.5
	256-QAM	1	1	15.91	15.77	15.87	15.82	15.94	15.82	11.50	0-4.5
Frequency (MHz)				3745.005	3783	3820.995	3859.005	3897	3934.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649667	652200	654733	657267	659800	662333		
90	Pi/2 BPSK	1	1	15.86	15.78	15.87	15.81	15.91	15.83	16.00	0
Frequency (MHz)				3740.01	3780	3820.005	3859.995	3900	3939.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				649334	652000	654667	657333	660000	662666		
80	Pi/2 BPSK	1	1	15.82	15.78	15.83	15.85	15.92	15.75	16.00	0
Frequency (MHz)				3730.005	3774	3817.995	3862.005	3906	3949.995	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648667	651600	654533	657467	660400	663333		
60	Pi/2 BPSK	1	1	15.83	15.79	15.82	15.85	15.98	15.83	16.00	0
Frequency (MHz)				3725.01	3771	3817.005	3862.995	3909	3954.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648334	651400	654467	657533	660600	663666		
50	Pi/2 BPSK	1	1	15.88	15.84	15.84	15.79	15.90	15.76	16.00	0
Frequency (MHz)				3720	3768	3816	3864	3912	3960	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				648000	651200	654400	657600	660800	664000		
40	Pi/2 BPSK	1	1	15.89	15.80	15.83	15.78	15.97	15.82	16.00	0
Frequency (MHz)				3710.01	3762	3814.005	3865.995	3918	3969.99	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647334	650800	654267	657733	661200	664666		
20	Pi/2 BPSK	1	1	15.83	15.77	15.84	15.86	15.96	15.78	16.00	0
Frequency (MHz)				3707.505	3760.5	3813.495	3866.505	3919.5	3972.495	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647167	650700	654233	657767	661300	664833		
15	Pi/2 BPSK	1	1	15.85	15.76	15.90	15.80	15.96	15.80	16.00	0
Frequency (MHz)				3705	3759	3813	3867	3921	3975	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				647000	650600	654200	657800	661400	665000		
10	Pi/2 BPSK	1	1	15.83	15.84	15.90	15.79	15.92	15.78	16.00	0

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WLAN802.11 a/b/g/n/ac/ax (20M/40M/80M/160M) conducted power table

Default power

WLAN Ant7						
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	17.91
		6	2437		18.00	17.99
		11	2462		18.00	17.93
	802.11g	1	2412	6Mbps	18.00	17.91
		6	2437		18.00	17.94
		11	2462		18.00	17.88
	802.11n20-HT0	1	2412		17.00	16.88
		6	2437		18.00	17.95
		11	2462	MCS0	17.00	16.80
	802.11ax20-HE0	1	2412		15.50	15.35
		6	2437		18.00	17.80
		11	2462		16.00	15.95
	802.11n40-HT0	3	2422		16.50	16.48
		6	2437	MCS0	18.00	17.95
		9	2452		15.50	15.43
	802.11ax40-HE0	3	2422		16.00	15.88
		6	2437		18.00	17.83
		9	2452		15.00	14.83

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WLAN Ant7						
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	16.00	15.94
		40	5200		16.00	15.98
		44	5220		16.00	15.82
		48	5240		16.00	15.85
	802.11n20-HT0	36	5180	MCS0	16.00	15.83
		40	5200		16.00	15.79
		44	5220		16.00	15.88
		48	5240		17.00	16.85
	802.11ac20-VHT0	36	5180	MCS0	16.00	15.93
		40	5200		16.00	15.94
		44	5220		17.50	17.29
		48	5240		17.50	17.46
	802.11ax20-HE0	36	5180	MCS0	14.00	13.89
		40	5200		14.00	13.84
		44	5220		14.00	13.89
		48	5240		14.00	13.84
	802.11n40-HT0	38	5190	MCS0	16.00	15.98
		46	5230		17.00	16.88
	802.11ac40-VHT0	38	5190	MCS0	16.00	15.85
		46	5230		17.00	16.92
	802.11ax40-HE0	38	5190	MCS0	14.00	13.85
		46	5230		14.00	13.98
	802.11ac80-VHT0	42	5210	MCS0	18.00	17.99
	802.11ax80-HE0	42	5210	MCS0	14.00	13.94
	802.11ax160-HE0	50	5250	MCS0	13.00	12.87

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WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	18.00	17.82
		56	5280		18.00	17.97
		60	5300		18.00	17.93
		64	5320		16.00	15.80
	802.11n20-HT0	52	5260	MCS0	18.00	17.96
		56	5280		18.00	17.85
		60	5300		17.00	16.87
		64	5320		16.00	15.83
	802.11ac20-VHT0	52	5260	MCS0	18.00	17.90
		56	5280		18.00	17.95
		60	5300		17.00	16.95
		64	5320		16.00	15.82
	802.11ax20-HE0	52	5260	MCS0	14.00	13.93
		56	5280		14.00	13.96
		60	5300		14.00	13.97
		64	5320		14.00	13.98
	802.11n40-HT0	54	5270	MCS0	17.50	17.36
		62	5310		16.00	15.80
	802.11ac40-VHT0	54	5270	MCS0	17.50	17.35
		62	5310		16.00	15.88
	802.11ax40-HE0	54	5270	MCS0	14.00	13.83
		62	5310		14.00	13.98
	802.11ac80-VHT0	58	5290	MCS0	18.00	17.99
	802.11ax80-HE0	58	5290	MCS0	14.00	13.97

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WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	16.00	15.86
		116	5580		18.00	17.79
		140	5700		16.50	16.31
	802.11n20-HT0	100	5500	MCS0	15.50	15.46
		116	5580		18.00	17.92
		140	5700		16.50	16.31
	802.11ac20-VHT0	100	5500	MCS0	16.00	15.88
		116	5580		18.00	17.83
		140	5700		16.50	16.34
	802.11ax20-HE0	100	5500	MCS0	14.00	13.82
		116	5580		14.00	13.85
		140	5700		14.00	13.86
	802.11n40-HT0	102	5510	MCS0	16.00	15.84
		110	5550		16.00	15.92
		134	5670		17.00	16.93
	802.11ac40-VHT0	102	5510	MCS0	16.00	15.84
		110	5550		16.00	15.81
		134	5670		17.00	16.87
	802.11ax40-HE0	102	5510	MCS0	14.00	13.81
		110	5550		14.00	13.83
		134	5670		14.00	13.89
	802.11ac80-VHT0	106	5530	MCS0	18.00	17.99
		122	5610		18.00	17.90
	802.11ax80-HE0	106	5530	MCS0	14.00	13.92
		122	5610		14.00	13.95
	802.11ax160-HE0	114	5570		13.00	12.87

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WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	18.00	17.95
		157	5785		18.00	17.79
		165	5825		18.00	17.91
	802.11n20-HT0	149	5745	MCS0	18.00	17.82
		157	5785		18.00	17.80
		165	5825		18.00	17.80
	802.11ac20-VHT0	149	5745	MCS0	18.00	17.81
		157	5785		18.00	17.98
		165	5825		18.00	17.95
	802.11ax20-HE0	149	5745	MCS0	14.00	13.90
		157	5785		14.00	13.82
		165	5825		14.00	13.92
	802.11n40-HT0	151	5755	MCS0	18.00	17.95
		159	5795		18.00	17.82
	802.11ac40-VHT0	151	5755	MCS0	18.00	17.95
		159	5795		18.00	17.91
	802.11ax40-HE0	151	5755	MCS0	14.00	13.81
		159	5795		14.00	13.83
	802.11ac80-VHT0	155	5775	MCS0	18.00	17.99
	802.11ax80-HE0	155	5775	MCS0	14.00	13.92

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WLAN Ant8						
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	17.92
		6	2437		18.00	17.99
		11	2462		18.00	17.90
	802.11g	1	2412	6Mbps	18.00	17.85
		6	2437		18.00	17.79
		11	2462		18.00	17.85
	802.11n20-HT0	1	2412		17.00	16.82
		6	2437		18.00	17.96
		11	2462	MCS0	17.00	16.80
	802.11ax20-HE0	1	2412		15.50	15.38
		6	2437		18.00	17.89
		11	2462		16.00	15.92
	802.11n40-HT0	3	2422		16.50	16.41
		6	2437	MCS0	18.00	17.86
		9	2452		15.50	15.40
	802.11ax40-HE0	3	2422		16.00	15.83
		6	2437		18.00	17.95
		9	2452		15.00	14.85

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WLAN Ant8						
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	16.00	15.89
		40	5200		16.00	15.93
		44	5220		16.00	15.98
		48	5240		16.00	15.94
	802.11n20-HT0	36	5180	MCS0	16.00	15.85
		40	5200		16.00	15.81
		44	5220		16.00	15.79
		48	5240		17.00	16.80
	802.11ac20-VHT0	36	5180	MCS0	16.00	15.81
		40	5200		16.00	15.79
		44	5220		17.50	17.43
		48	5240		17.50	17.47
	802.11ax20-HE0	36	5180	MCS0	14.00	13.89
		40	5200		14.00	13.86
		44	5220		14.00	13.94
		48	5240		14.00	13.84
	802.11n40-HT0	38	5190	MCS0	16.00	15.81
		46	5230		17.00	16.91
	802.11ac40-VHT0	38	5190	MCS0	16.00	15.95
		46	5230		17.00	16.81
	802.11ax40-HE0	38	5190	MCS0	14.00	13.88
		46	5230		14.00	13.83
	802.11ac80-VHT0	42	5210	MCS0	18.00	17.99
	802.11ax80-HE0	42	5210	MCS0	14.00	13.96
	802.11ax160-HE0	50	5250	MCS0	13.00	12.79

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WLAN Ant8						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	18.00	17.97
		56	5280		18.00	17.85
		60	5300		18.00	17.80
		64	5320		16.00	15.79
	802.11n20-HT0	52	5260	MCS0	18.00	17.88
		56	5280		18.00	17.93
		60	5300		17.00	16.87
		64	5320		16.00	15.91
	802.11ac20-VHT0	52	5260	MCS0	18.00	17.96
		56	5280		18.00	17.87
		60	5300		17.00	16.95
		64	5320		16.00	15.87
	802.11ax20-HE0	52	5260	MCS0	14.00	13.98
		56	5280		14.00	13.97
		60	5300		14.00	13.93
		64	5320		14.00	13.95
	802.11n40-HT0	54	5270	MCS0	17.50	17.35
		62	5310		16.00	15.83
	802.11ac40-VHT0	54	5270	MCS0	17.50	17.46
		62	5310		16.00	15.93
	802.11ax40-HE0	54	5270	MCS0	14.00	13.82
		62	5310		14.00	13.91
	802.11ac80-VHT0	58	5290	MCS0	18.00	17.99
	802.11ax80-HE0	58	5290	MCS0	14.00	13.83

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WLAN Ant8						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	16.00	15.87
		116	5580		18.00	17.86
		140	5700		16.50	16.27
	802.11n20-HT0	100	5500	MCS0	15.50	15.32
		116	5580		18.00	17.82
		140	5700		16.50	16.39
	802.11ac20-VHT0	100	5500	MCS0	16.00	15.95
		116	5580		18.00	17.92
		140	5700		16.50	16.40
	802.11ax20-HE0	100	5500	MCS0	14.00	13.90
		116	5580		14.00	13.83
		140	5700		14.00	13.82
	802.11n40-HT0	102	5510	MCS0	16.00	15.86
		110	5550		16.00	15.89
		134	5670		17.00	16.97
	802.11ac40-VHT0	102	5510	MCS0	16.00	15.89
		110	5550		16.00	15.92
		134	5670		17.00	16.97
	802.11ax40-HE0	102	5510	MCS0	14.00	13.84
		110	5550		14.00	13.92
		134	5670		14.00	13.83
	802.11ac80-VHT0	106	5530	MCS0	18.00	17.99
		122	5610		18.00	17.95
	802.11ax80-HE0	106	5530	MCS0	14.00	13.90
		122	5610		14.00	13.98
	802.11ax160-HE0	114	5570		13.00	12.81

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WLAN Ant8						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	18.00	17.94
		157	5785		18.00	17.89
		165	5825		18.00	17.84
	802.11n20-HT0	149	5745	MCS0	18.00	17.88
		157	5785		18.00	17.85
		165	5825		18.00	17.94
	802.11ac20-VHT0	149	5745	MCS0	18.00	17.87
		157	5785		18.00	17.94
		165	5825		18.00	17.89
	802.11ax20-HE0	149	5745	MCS0	14.00	13.84
		157	5785		14.00	13.85
		165	5825		14.00	13.80
	802.11n40-HT0	151	5755	MCS0	18.00	17.84
		159	5795		18.00	17.97
	802.11ac40-VHT0	151	5755	MCS0	18.00	17.88
		159	5795		18.00	17.89
	802.11ax40-HE0	151	5755	MCS0	14.00	13.96
		159	5795		14.00	13.81
	802.11ac80-VHT0	155	5775	MCS0	18.00	17.99
	802.11ax80-HE0	155	5775	MCS0	14.00	13.84

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WLAN SISO&MIMO_With WWAN calling mode

WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	16.00	15.97
		6	2437		16.00	15.92
		11	2462		16.00	15.92
	802.11g	1	2412	6Mbps	16.00	15.98
		6	2437		16.00	15.80
		11	2462		16.00	15.90
	802.11n20-HT0	1	2412		16.00	15.97
		6	2437		16.00	15.81
		11	2462	MCS0	16.00	15.90
	802.11ax20-HE0	1	2412		15.50	15.35
		6	2437		16.00	15.87
		11	2462		16.00	15.95
	802.11n40-HT0	3	2422		16.00	15.88
		6	2437	MCS0	16.00	15.84
		9	2452		15.50	15.43
	802.11ax40-HE0	3	2422		16.00	15.88
		6	2437		16.00	15.82
		9	2452		15.00	14.83

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WLAN Ant7						
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	16.00	15.94
		40	5200		16.00	15.98
		44	5220		16.00	15.82
		48	5240		16.00	15.85
	802.11n20-HT0	36	5180	MCS0	16.00	15.83
		40	5200		16.00	15.79
		44	5220		16.00	15.88
		48	5240		16.00	15.90
	802.11ac20-VHT0	36	5180	MCS0	16.00	15.93
		40	5200		16.00	15.94
		44	5220		16.00	15.83
		48	5240		16.00	15.98
	802.11ax20-HE0	36	5180	MCS0	14.00	13.89
		40	5200		14.00	13.84
		44	5220		14.00	13.89
		48	5240		14.00	13.84
	802.11n40-HT0	38	5190	MCS0	16.00	15.98
		46	5230		16.00	15.83
	802.11ac40-VHT0	38	5190	MCS0	16.00	15.85
		46	5230		16.00	15.89
	802.11ax40-HE0	38	5190	MCS0	14.00	13.85
		46	5230		14.00	13.98
	802.11ac80-VHT0	42	5210	MCS0	16.00	15.84
	802.11ax80-HE0	42	5210	MCS0	14.00	13.94
	802.11ax160-HE0	50	5250	MCS0	13.00	12.87

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WLAN Ant7						
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	16.00	15.88
		56	5280		16.00	15.86
		60	5300		16.00	15.81
		64	5320		16.00	15.80
	802.11n20-HT0	52	5260	MCS0	16.00	15.87
		56	5280		16.00	15.91
		60	5300		16.00	15.81
		64	5320		16.00	15.83
	802.11ac20-VHT0	52	5260	MCS0	16.00	15.85
		56	5280		16.00	15.94
		60	5300		16.00	15.85
		64	5320		16.00	15.82
	802.11ax20-HE0	52	5260	MCS0	14.00	13.93
		56	5280		14.00	13.96
		60	5300		14.00	13.97
		64	5320		14.00	13.98
	802.11n40-HT0	54	5270	MCS0	16.00	15.89
		62	5310		16.00	15.80
	802.11ac40-VHT0	54	5270	MCS0	16.00	15.99
		62	5310		16.00	15.88
	802.11ax40-HE0	54	5270	MCS0	14.00	13.83
		62	5310		14.00	13.98
	802.11ac80-VHT0	58	5290	MCS0	16.00	15.93
	802.11ax80-HE0	58	5290	MCS0	14.00	13.97

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WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	16.00	15.86
		116	5580		16.00	15.99
		140	5700		16.00	15.92
	802.11n20-HT0	100	5500	MCS0	15.50	15.46
		116	5580		16.00	15.87
		140	5700		16.00	15.82
	802.11ac20-VHT0	100	5500	MCS0	16.00	15.88
		116	5580		16.00	15.95
		140	5700		16.00	15.84
	802.11ax20-HE0	100	5500	MCS0	14.00	13.82
		116	5580		14.00	13.85
		140	5700		14.00	13.86
	802.11n40-HT0	102	5510	MCS0	16.00	15.84
		110	5550		16.00	15.92
		134	5670		16.00	15.81
	802.11ac40-VHT0	102	5510	MCS0	16.00	15.84
		110	5550		16.00	15.81
		134	5670		16.00	15.96
	802.11ax40-HE0	102	5510	MCS0	14.00	13.81
		110	5550		14.00	13.83
		134	5670		14.00	13.89
	802.11ac80-VHT0	106	5530	MCS0	16.00	15.89
		122	5610		16.00	15.86
	802.11ax80-HE0	106	5530	MCS0	14.00	13.92
		122	5610		14.00	13.95
	802.11ax160-HE0	114	5570		13.00	12.87

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WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	16.00	15.87
		157	5785		16.00	15.85
		165	5825		16.00	15.82
	802.11n20-HT0	149	5745	MCS0	16.00	15.91
		157	5785		16.00	15.96
		165	5825		16.00	15.83
	802.11ac20-VHT0	149	5745	MCS0	16.00	15.90
		157	5785		16.00	15.90
		165	5825		16.00	15.81
	802.11ax20-HE0	149	5745	MCS0	14.00	13.90
		157	5785		14.00	13.82
		165	5825		14.00	13.92
	802.11n40-HT0	151	5755	MCS0	16.00	15.89
		159	5795		16.00	15.86
	802.11ac40-VHT0	151	5755	MCS0	16.00	15.92
		159	5795		16.00	15.85
	802.11ax40-HE0	151	5755	MCS0	14.00	13.81
		159	5795		14.00	13.83
	802.11ac80-VHT0	155	5775	MCS0	16.00	15.88
	802.11ax80-HE0	155	5775	MCS0	14.00	13.92

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WLAN Ant8						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	16.00	15.92
		6	2437		16.00	15.91
		11	2462		16.00	15.87
	802.11g	1	2412	6Mbps	16.00	15.94
		6	2437		16.00	15.98
		11	2462		16.00	15.97
	802.11n20-HT0	1	2412		16.00	15.91
		6	2437		16.00	15.93
		11	2462	MCS0	16.00	15.88
	802.11ax20-HE0	1	2412		15.50	15.38
		6	2437		16.00	15.96
		11	2462		16.00	15.92
	802.11n40-HT0	3	2422		16.00	15.82
		6	2437	MCS0	16.00	15.82
		9	2452		15.50	15.40
	802.11ax40-HE0	3	2422		16.00	15.83
		6	2437		16.00	15.80
		9	2452		15.00	14.85

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WLAN Ant8						
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	16.00	15.89
		40	5200		16.00	15.93
		44	5220		16.00	15.98
		48	5240		16.00	15.94
	802.11n20-HT0	36	5180	MCS0	16.00	15.85
		40	5200		16.00	15.81
		44	5220		16.00	15.79
		48	5240		16.00	15.97
	802.11ac20-VHT0	36	5180	MCS0	16.00	15.81
		40	5200		16.00	15.79
		44	5220		16.00	15.93
		48	5240		16.00	15.83
	802.11ax20-HE0	36	5180	MCS0	14.00	13.89
		40	5200		14.00	13.86
		44	5220		14.00	13.94
		48	5240		14.00	13.84
	802.11n40-HT0	38	5190	MCS0	16.00	15.81
		46	5230		16.00	15.97
	802.11ac40-VHT0	38	5190	MCS0	16.00	15.95
		46	5230		16.00	15.88
	802.11ax40-HE0	38	5190	MCS0	14.00	13.88
		46	5230		14.00	13.83
	802.11ac80-VHT0	42	5210	MCS0	16.00	15.82
	802.11ax80-HE0	42	5210	MCS0	14.00	13.96
	802.11ax160-HE0	50	5250	MCS0	13.00	12.79

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WLAN Ant8						
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	16.00	15.82
		56	5280		16.00	15.92
		60	5300		16.00	15.80
		64	5320		16.00	15.79
	802.11n20-HT0	52	5260	MCS0	16.00	15.91
		56	5280		16.00	15.92
		60	5300		16.00	15.97
		64	5320		16.00	15.91
	802.11ac20-VHT0	52	5260	MCS0	16.00	15.84
		56	5280		16.00	15.82
		60	5300		16.00	15.91
		64	5320		16.00	15.87
	802.11ax20-HE0	52	5260	MCS0	14.00	13.98
		56	5280		14.00	13.97
		60	5300		14.00	13.93
		64	5320		14.00	13.95
	802.11n40-HT0	54	5270	MCS0	16.00	15.93
		62	5310		16.00	15.83
	802.11ac40-VHT0	54	5270	MCS0	16.00	15.87
		62	5310		16.00	15.93
	802.11ax40-HE0	54	5270	MCS0	14.00	13.82
		62	5310		14.00	13.91
	802.11ac80-VHT0	58	5290	MCS0	16.00	15.91
	802.11ax80-HE0	58	5290	MCS0	14.00	13.83

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WLAN Ant8						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	16.00	15.87
		116	5580		16.00	15.90
		140	5700		16.00	15.90
	802.11n20-HT0	100	5500	MCS0	15.50	15.32
		116	5580		16.00	15.92
		140	5700		16.00	15.87
	802.11ac20-VHT0	100	5500	MCS0	16.00	15.95
		116	5580		16.00	15.81
		140	5700		16.00	15.98
	802.11ax20-HE0	100	5500	MCS0	14.00	13.90
		116	5580		14.00	13.83
		140	5700		14.00	13.82
	802.11n40-HT0	102	5510	MCS0	16.00	15.86
		110	5550		16.00	15.89
		134	5670		16.00	15.82
	802.11ac40-VHT0	102	5510	MCS0	16.00	15.89
		110	5550		16.00	15.92
		134	5670		16.00	15.85
	802.11ax40-HE0	102	5510	MCS0	14.00	13.84
		110	5550		14.00	13.92
		134	5670		14.00	13.83
	802.11ac80-VHT0	106	5530	MCS0	16.00	15.87
		122	5610		16.00	15.91
	802.11ax80-HE0	106	5530	MCS0	14.00	13.90
		122	5610		14.00	13.98
	802.11ax160-HE0	114	5570		13.00	12.81

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WLAN Ant8						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	16.00	15.83
		157	5785		16.00	15.88
		165	5825		16.00	15.93
	802.11n20-HT0	149	5745	MCS0	16.00	15.83
		157	5785		16.00	15.83
		165	5825		16.00	15.97
	802.11ac20-VHT0	149	5745	MCS0	16.00	15.82
		157	5785		16.00	15.90
		165	5825		16.00	15.96
	802.11ax20-HE0	149	5745	MCS0	14.00	13.84
		157	5785		14.00	13.85
		165	5825		14.00	13.80
	802.11n40-HT0	151	5755	MCS0	16.00	15.98
		159	5795		16.00	15.93
	802.11ac40-VHT0	151	5755	MCS0	16.00	15.87
		159	5795		16.00	15.92
	802.11ax40-HE0	151	5755	MCS0	14.00	13.96
		159	5795		14.00	13.81
	802.11ac80-VHT0	155	5775	MCS0	16.00	15.88
	802.11ax80-HE0	155	5775	MCS0	14.00	13.84

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WLAN DBS_With WWAN calling mode

WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	13.00	12.94
		6	2437		13.00	12.99
		11	2462		13.00	12.91
	802.11g	1	2412	6Mbps	13.00	12.88
		6	2437		13.00	12.80
		11	2462		13.00	12.97
	802.11n20-HT0	1	2412		13.00	12.90
		6	2437		13.00	12.85
		11	2462	MCS0	13.00	12.80
	802.11ax20-HE0	1	2412		13.00	12.84
		6	2437		13.00	12.85
		11	2462		13.00	12.98
	802.11n40-HT0	3	2422		13.00	12.84
		6	2437	MCS0	13.00	12.97
		9	2452		13.00	12.85
	802.11ax40-HE0	3	2422		13.00	12.81
		6	2437		13.00	12.94
		9	2452		13.00	12.80

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WLAN Ant7						
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	13.00	12.89
		40	5200		13.00	12.93
		44	5220		13.00	12.98
		48	5240		13.00	12.93
	802.11n20-HT0	36	5180	MCS0	13.00	12.90
		40	5200		13.00	12.92
		44	5220		13.00	12.89
		48	5240		13.00	12.86
	802.11ac20-VHT0	36	5180	MCS0	13.00	12.93
		40	5200		13.00	12.81
		44	5220		13.00	12.88
		48	5240		13.00	12.97
	802.11ax20-HE0	36	5180	MCS0	13.00	12.95
		40	5200		13.00	12.84
		44	5220		13.00	12.80
		48	5240		13.00	12.85
	802.11n40-HT0	38	5190	MCS0	13.00	12.80
		46	5230		13.00	12.82
	802.11ac40-VHT0	38	5190	MCS0	13.00	12.92
		46	5230		13.00	12.83
	802.11ax40-HE0	38	5190	MCS0	13.00	12.96
		46	5230		13.00	12.84
	802.11ac80-VHT0	42	5210	MCS0	13.00	12.99
	802.11ax80-HE0	42	5210	MCS0	13.00	12.97
	802.11ax160-HE0	50	5250	MCS0	13.00	12.99

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WLAN Ant7						
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	13.00	12.97
		56	5280		13.00	12.90
		60	5300		13.00	12.97
		64	5320		13.00	12.89
	802.11n20-HT0	52	5260	MCS0	13.00	12.92
		56	5280		13.00	12.80
		60	5300		13.00	12.96
		64	5320		13.00	12.86
	802.11ac20-VHT0	52	5260	MCS0	13.00	12.83
		56	5280		13.00	12.97
		60	5300		13.00	12.90
		64	5320		13.00	12.94
	802.11ax20-HE0	52	5260	MCS0	13.00	12.90
		56	5280		13.00	12.90
		60	5300		13.00	12.90
		64	5320		13.00	12.79
	802.11n40-HT0	54	5270	MCS0	13.00	12.81
		62	5310		13.00	12.92
	802.11ac40-VHT0	54	5270	MCS0	13.00	12.91
		62	5310		13.00	12.80
	802.11ax40-HE0	54	5270	MCS0	13.00	12.84
		62	5310		13.00	12.95
	802.11ac80-VHT0	58	5290	MCS0	13.00	12.99
	802.11ax80-HE0	58	5290	MCS0	13.00	12.92

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WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	13.00	12.91
		116	5580		13.00	12.87
		140	5700		13.00	12.82
	802.11n20-HT0	100	5500	MCS0	13.00	12.94
		116	5580		13.00	12.95
		140	5700		13.00	12.92
	802.11ac20-VHT0	100	5500	MCS0	13.00	12.98
		116	5580		13.00	12.86
		140	5700		13.00	12.95
	802.11ax20-HE0	100	5500	MCS0	13.00	12.97
		116	5580		13.00	12.81
		140	5700		13.00	12.85
	802.11n40-HT0	102	5510	MCS0	13.00	12.92
		110	5550		13.00	12.83
		134	5670		13.00	12.89
	802.11ac40-VHT0	102	5510	MCS0	13.00	12.81
		110	5550		13.00	12.82
		134	5670		13.00	12.84
	802.11ax40-HE0	102	5510	MCS0	13.00	12.92
		110	5550		13.00	12.84
		134	5670		13.00	12.81
	802.11ac80-VHT0	106	5530	MCS0	13.00	12.98
		122	5610		13.00	12.95
	802.11ax80-HE0	106	5530	MCS0	13.00	12.79
		122	5610		13.00	12.84
	802.11ax160-HE0	114	5570		13.00	12.98

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WLAN Ant7						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	13.00	12.94
		157	5785		13.00	12.84
		165	5825		13.00	12.89
	802.11n20-HT0	149	5745	MCS0	13.00	12.87
		157	5785		13.00	12.88
		165	5825		13.00	12.91
	802.11ac20-VHT0	149	5745	MCS0	13.00	12.92
		157	5785		13.00	12.82
		165	5825		13.00	12.86
	802.11ax20-HE0	149	5745	MCS0	13.00	12.96
		157	5785		13.00	12.98
		165	5825		13.00	12.80
	802.11n40-HT0	151	5755	MCS0	13.00	12.80
		159	5795		13.00	12.88
	802.11ac40-VHT0	151	5755	MCS0	13.00	12.84
		159	5795		13.00	12.82
	802.11ax40-HE0	151	5755	MCS0	13.00	12.95
		159	5795		13.00	12.79
	802.11ac80-VHT0	155	5775	MCS0	13.00	12.97
	802.11ax80-HE0	155	5775	MCS0	13.00	12.84

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WLAN Ant8						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	13.00	12.97
		6	2437		13.00	12.99
		11	2462		13.00	12.93
	802.11g	1	2412	6Mbps	13.00	12.84
		6	2437		13.00	12.85
		11	2462		13.00	12.95
	802.11n20-HT0	1	2412		13.00	12.97
		6	2437		13.00	12.82
		11	2462	MCS0	13.00	12.95
	802.11ax20-HE0	1	2412		13.00	12.91
		6	2437		13.00	12.86
		11	2462		13.00	12.92
	802.11n40-HT0	3	2422		13.00	12.85
		6	2437	MCS0	13.00	12.84
		9	2452		13.00	12.96
	802.11ax40-HE0	3	2422		13.00	12.89
		6	2437		13.00	12.84
		9	2452		13.00	12.96

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WLAN Ant8						
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	13.00	12.88
		40	5200		13.00	12.89
		44	5220		13.00	12.93
		48	5240		13.00	12.86
	802.11n20-HT0	36	5180	MCS0	13.00	12.82
		40	5200		13.00	12.80
		44	5220		13.00	12.79
		48	5240		13.00	12.92
	802.11ac20-VHT0	36	5180	MCS0	13.00	12.79
		40	5200		13.00	12.87
		44	5220		13.00	12.81
		48	5240		13.00	12.87
	802.11ax20-HE0	36	5180	MCS0	13.00	12.82
		40	5200		13.00	12.89
		44	5220		13.00	12.97
		48	5240		13.00	12.88
	802.11n40-HT0	38	5190	MCS0	13.00	12.98
		46	5230		13.00	12.90
	802.11ac40-VHT0	38	5190	MCS0	13.00	12.92
		46	5230		13.00	12.84
	802.11ax40-HE0	38	5190	MCS0	13.00	12.97
		46	5230		13.00	12.87
	802.11ac80-VHT0	42	5210	MCS0	13.00	12.93
	802.11ax80-HE0	42	5210	MCS0	13.00	12.88
	802.11ax160-HE0	50	5250	MCS0	13.00	12.93

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WLAN Ant8						
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	13.00	12.83
		56	5280		13.00	12.80
		60	5300		13.00	12.84
		64	5320		13.00	12.80
	802.11n20-HT0	52	5260	MCS0	13.00	12.93
		56	5280		13.00	12.98
		60	5300		13.00	12.90
		64	5320		13.00	12.94
	802.11ac20-VHT0	52	5260	MCS0	13.00	12.86
		56	5280		13.00	12.89
		60	5300		13.00	12.87
		64	5320		13.00	12.97
	802.11ax20-HE0	52	5260	MCS0	13.00	12.79
		56	5280		13.00	12.91
		60	5300		13.00	12.79
		64	5320		13.00	12.96
	802.11n40-HT0	54	5270	MCS0	13.00	12.94
		62	5310		13.00	12.86
	802.11ac40-VHT0	54	5270	MCS0	13.00	12.86
		62	5310		13.00	12.93
	802.11ax40-HE0	54	5270	MCS0	13.00	12.97
		62	5310		13.00	12.92
	802.11ac80-VHT0	58	5290	MCS0	13.00	12.99
	802.11ax80-HE0	58	5290	MCS0	13.00	12.80

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5600 MHz	802.11a	100	5500	6Mbps	13.00	12.81
		116	5580		13.00	12.93
		140	5700		13.00	12.90
	802.11n20-HT0	100	5500	MCS0	13.00	12.95
		116	5580		13.00	12.81
		140	5700		13.00	12.80
	802.11ac20-VHT0	100	5500	MCS0	13.00	12.91
		116	5580		13.00	12.88
		140	5700		13.00	12.86
	802.11ax20-HE0	100	5500	MCS0	13.00	12.91
		116	5580		13.00	12.95
		140	5700		13.00	12.84
	802.11n40-HT0	102	5510	MCS0	13.00	12.87
		110	5550		13.00	12.91
		134	5670		13.00	12.90
	802.11ac40-VHT0	102	5510	MCS0	13.00	12.80
		110	5550		13.00	12.79
		134	5670		13.00	12.85
	802.11ax40-HE0	102	5510	MCS0	13.00	12.82
		110	5550		13.00	12.86
		134	5670		13.00	12.98
	802.11ac80-VHT0	106	5530	MCS0	13.00	12.99
		122	5610		13.00	12.91
	802.11ax80-HE0	106	5530	MCS0	13.00	12.79
		122	5610		13.00	12.92
	802.11ax160-HE0	114	5570		13.00	12.99

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	13.00	12.92
		157	5785		13.00	12.83
		165	5825		13.00	12.79
	802.11n20-HT0	149	5745	MCS0	13.00	12.87
		157	5785		13.00	12.87
		165	5825		13.00	12.82
	802.11ac20-VHT0	149	5745	MCS0	13.00	12.96
		157	5785		13.00	12.79
		165	5825		13.00	12.80
	802.11ax20-HE0	149	5745	MCS0	13.00	12.83
		157	5785		13.00	12.98
		165	5825		13.00	12.88
	802.11n40-HT0	151	5755	MCS0	13.00	12.95
		159	5795		13.00	12.93
	802.11ac40-VHT0	151	5755	MCS0	13.00	12.90
		159	5795		13.00	12.93
	802.11ax40-HE0	151	5755	MCS0	13.00	12.85
		159	5795		13.00	12.85
	802.11ac80-VHT0	155	5775	MCS0	13.00	12.99
	802.11ax80-HE0	155	5775	MCS0	13.00	12.91

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Bluetooth maximum power table:

ANT 7

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)
CH 00	2402	14.00	12.01	12.00	11.02	12.00	11.00
CH 39	2441		12.37		11.34		11.25
CH 78	2480		12.66		11.55		11.48

Channel	Frequency (MHz)	GFSK	
		Max. Rated Avg.Power + Max. Tolerance (dBm)	verage Output Power (dBr
CH 37	2402	10	9.11
CH 17	2440		9.20
CH 39	2480		9.52

ANT 8

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)
CH 00	2402	14.00	12.03	12.00	11.21	12.00	11.12
CH 39	2441		12.96		11.87		11.81
CH 78	2480		13.04		11.92		11.90

Channel	Frequency (MHz)	GFSK	
		Max. Rated Avg.Power + Max. Tolerance (dBm)	verage Output Power (dBr
CH 37	2402	10	9.24
CH 17	2440		9.47
CH 39	2480		9.64

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1.3.1 LTE Downlink CA

LTE Downlink 2CA conducted power table

Two Component Carrier Maximum Conducted Power																
PCC										SCC				Power (Level 1)		
Ant No.	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)	Configurations
2	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2300	2145	22.11	22.38	CA_2A-4A
2	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	22.24	22.34	CA_2A-4A
2	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B17	10	5790	740	22.16	22.38	CA_2A-17A
1	LTE B17	10	23780	709	QPSK	1	0	5780	739	LTE B2	20	900	1960	22.68	23.14	CA_2A-17A
3	LTE B17	10	23780	709	QPSK	1	0	5780	739	LTE B2	20	900	1960	22.06	22.22	CA_2A-17A
2	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B5	10	2600	889	22.27	22.34	CA_4A-5A
1	LTE B5	10	20450	829	QPSK	1	0	2450	874	LTE B4	20	2300	2145	22.85	23.20	CA_4A-5A
1	LTE B5	10	20450	829	QPSK	1	0	2450	874	LTE B5	10	2600	889	22.88	23.20	CA_5A-5A
1	LTE B5	10	20600	844	QPSK	1	0	2600	889	LTE B5	10	2450	874	22.72	22.95	CA_5A-5A
1	LTE B5	10	20450	829	QPSK	1	0	2450	874	LTE B5	10	2549	883.9	22.74	23.20	CA_5B
1	LTE B5	10	20600	844	QPSK	1	0	2600	889	LTE B5	10	2501	879.1	22.85	22.95	CA_5B
1	LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B7	20	21100	2535	22.86	23.05	CA_5A-7A
3	LTE B5	10	20450	829	QPSK	1	0	2450	874	LTE B4	20	2300	2145	22.17	22.27	CA_4A-5A
3	LTE B5	10	20450	829	QPSK	1	0	2450	874	LTE B5	10	2600	889	22.08	22.27	CA_5A-5A
3	LTE B5	10	20600	844	QPSK	1	0	2600	889	LTE B5	10	2450	874	21.64	22.12	CA_5A-5A
3	LTE B5	10	20450	829	QPSK	1	0	2450	874	LTE B5	10	2549	883.9	22.02	22.27	CA_5B
3	LTE B5	10	20600	844	QPSK	1	0	2600	889	LTE B5	10	2501	879.1	22.02	22.12	CA_5B
3	LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B7	20	21100	2535	21.96	22.19	CA_5A-7A
2	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B5	10	2525	881.5	22.20	22.64	CA_5A-7A
2	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	2850	2630	22.52	22.64	CA_7A-7A
2	LTE B7	15	20825	2507.5	QPSK	1	36	2825	2627.5	LTE B7	5	2918	2636.8	21.87	22.14	CA_7B
2	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3048	2649.8	21.75	22.22	CA_7C
2	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3152	2660.2	22.47	22.64	CA_7C
2	LTE B38	20	37850	2580	QPSK	1	0	37850	2580	LTE B38	20	38048	2599.8	22.86	22.95	CA_38C
2	LTE B38	20	38150	2610	QPSK	1	0	38150	2610	LTE B38	20	37952	2590.2	22.51	22.75	CA_38C
2	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	22.07	22.31	CA_41A-41A
2	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	39750	2506	22.08	22.21	CA_41A-41A
2	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	21.90	22.17	CA_66A-66A
2	LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66536	2120	21.85	22.16	CA_66A-66A
2	LTE B66	10	132022	1715	QPSK	1	25	66486	2115	LTE B66	10	66585	2124.9	21.68	22.12	CA_66B
2	LTE B66	10	132622	1775	QPSK	1	49	67086	2175	LTE B66	10	66987	2165.1	21.64	22.13	CA_66B
2	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	21.77	22.17	CA_66C
2	LTE B66	20	132572	1770	QPSK	1	0	67036	2170	LTE B66	20	66838	2150.2	21.89	22.16	CA_66C

LTE Downlink 3CA conducted power table

Three Component Carrier Maximum Conducted Power																			
PCC										SCC 1				SCC 2				Power (Level 1)		
Ant No.	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
2	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	22.17	22.38	CA_2A-2A-5A
2	LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	700	1940	LTE B5	10	2525	881.5	22.01	22.42	CA_2A-2A-5A
1	LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	700	1940	LTE B2	20	1100	1980	22.68	23.05	CA_2A-2A-5A
3	LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B2	20	700	1940	LTE B2	20	1100	1980	22.14	22.19	CA_2A-2A-5A
2	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	22.01	22.38	CA_2A-2A-12A
2	LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	700	1940	LTE B12	10	5095	737.5	22.39	22.42	CA_2A-2A-12A
1	LTE B12	10	23095	707.5	QPSK	1	0	5230	751	LTE B2	20	700	1940	LTE B2	10	1100	1980	22.81	23.18	CA_2A-2A-12A
3	LTE B12	10	23095	707.5	QPSK	1	0	5230	751	LTE B2	20	700	1940	LTE B2	10	1100	1980	22.09	22.32	CA_2A-2A-12A
2	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B12	10	5095	737.5	22.09	22.38	CA_2C-12A
2	LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	902	1960.2	LTE B12	10	5095	737.5	21.98	22.42	CA_2C-12A
1	LTE B12	10	23095	707.5	QPSK	1	0	5230	751	LTE B2	20	700	1940	LTE B2	20	898	1959.8	22.98	23.18	CA_2C-12A
3	LTE B12	10	23095	707.5	QPSK	1	0	5230	751	LTE B2	20	700	1940	LTE B2	20	898	1959.8	21.99	22.32	CA_2C-12A
2	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	21.85	22.34	CA_4A-4A-12A
2	LTE B4	20	20300	1745	QPSK	1	0	2300	2145	LTE B4	20	2050	2120	LTE B12	10	5095	737.5	22.26	22.51	CA_4A-4A-12A
1	LTE B12	10	23095	707.5	QPSK	1	0	5230	751	LTE B4	20	2050	2120	LTE B4	20	2300	2145	23.15	23.18	CA_4A-4A-12A
3	LTE B12	10	23095	707.5	QPSK	1	0	5230	751	LTE B4	20	2050	2120	LTE B4	20	2300	2145	21.83	22.32	CA_4A-4A-12A
2	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	22.20	22.31	CA_41D
2	LTE B41	20	40620	2593	QPSK	1	0	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	22.50	22.88	CA_41D
2	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	21.81	22.21	CA_41D
2	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	22.12	22.31	CA_41A-41C

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A) LTE downlink CA information

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

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.521-1 V16.5.0. 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) Downlink CA combination table

Index	2CC	Restriction	Completely Covered by Measurement Superset	Index	3CC	Restriction	Completely Covered by Measurement Superset
2CC #1	CA 2A-2A		3CC #1	3CC #1	CA 2A-2A-5A		No
2CC #2	CA 2C		3CC #3	3CC #2	CA 2A-2A-12A		No
2CC #3	CA 2A-4A		No	3CC #3	CA 2C-12A		No
2CC #4	CA 2A-5A		3CC #1	3CC #4	CA 4A-4A-12A		No
2CC #5	CA 2A-12A		3CC #2	3CC #5	CA 41D		No
2CC #6	CA 2A-17A		No	3CC #6	CA 41A-41C		No
2CC #7	CA 4A-4A		3CC #4				
2CC #8	CA 4A-5A		No				
2CC #9	CA 4A-12A		3CC #4				
2CC #10	CA 5A-5A		No				
2CC #11	CA_5B		No				
2CC #12	CA 5A-7A		No				
2CC #13	CA-7A-7A		No				
2CC #14	CA-7B		No				
2CC #15	CA-7C		No				
2CC #16	CA-38C		No				
2CC #17	CA 41A-41A		No				
2CC #18	CA 41C		3CC #6				
2CC #19	CA_66A-66A		No				
2CC #20	CA_66B		No				
2CC #21	CA_66C		No				

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Note:

1）For the inter-band CA combinations, all the listed bands above can be used as PCC or SCC.

2) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.521-1 V16.5.0.

3) The reference test frequencies for CA refers to 3GPP TS 36.508 V16.5.0

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

1. Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s). The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.

2. 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.

3. **GSM:** SAR test reduction for GPRS/EDGE mode is determined by the source-based time-averaged output power. The data mode with highest specified time-averaged output power should be tested for SAR compliance.

4. **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 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.

5. **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:

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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.

6. **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 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.

7. **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:

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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

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.		

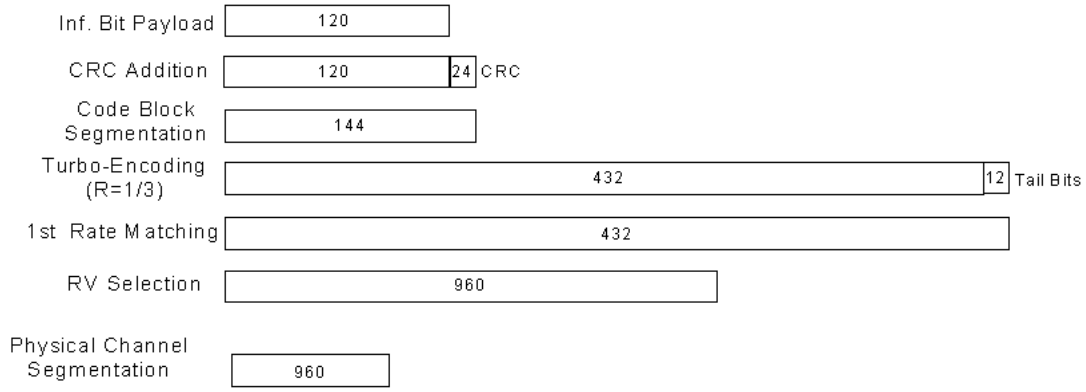


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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:

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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.

8.**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

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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

- 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.

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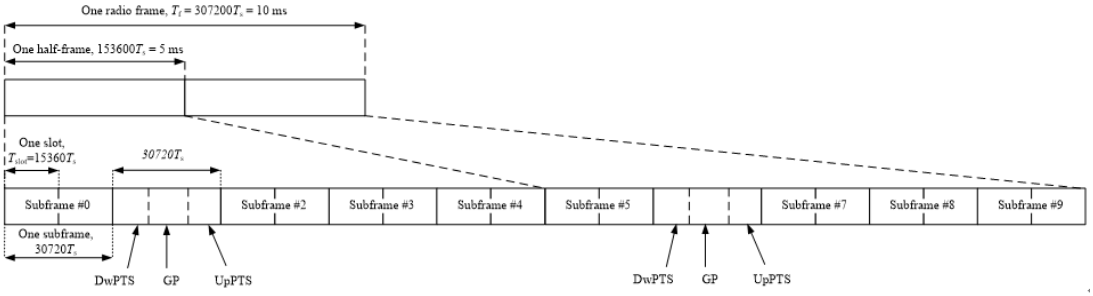


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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%.

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9. **WLAN:** 802.11b DSSS SAR Test Requirements: SAR is measured for 2.4 GHz 802.11b DSSS mode using the highest measured maximum output power channel, when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

10. **WLAN:** 802.11g/n OFDM SAR Test Exclusion Requirements: SAR is not required for 802.11g/n since the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

11. **WLAN:** Initial Test Configuration: An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is ≤ 1.2 W/kg or all required channels are tested. Since the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for subsequent test configuration.

12. **WLAN:** Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.

13. **WLAN:** For WLAN, the device supports Dual Band Simultaneous (DBS) transmission for 2.4GHz and 5GHz 802.11, it means the device supports the same antenna with dual band operation (one antenna transmits in both bands).

14. **5G NR:** SAR tests for NR bands and LTE anchor bands were performed separately due to limitations in SAR probe calibration factor. Due to test setup limitation, SAR testing for NR was performed using factory test mode software to establish the connection.

15. **5G NR:** 5G NR Power/SAR procedure is similar with KDB 941225 D05. **a.** For power measurement reduction of DFT-s-OFDM and CP-OFDM, CP-OFDM will not higher than DFT-OFDM based on 3GPP MPR table, so CP-OFDM QPSK

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power measurement is spot check for 1RB allocation/1 RB offset configuration to ensure the output power will not ½ dB higher than Pi/2 BPSK and QPSK. **b.** For power measurement reduction of DFT-s-OFDM, 16QAM/64QAM/256QAM will not higher than Pi/2 BPSK and QPSK based on 3GPP MPR table, so Pi/2 BPSK and QPSK are measured fully, and 16QAM is spot check 1RB allocation/1 RB offset configuration to ensure the output power will not ½ dB higher than Pi/2 BPSK and QPSK. Smaller bandwidth output power will also follow the largest bandwidth to ensure output power will not ½ dB higher than largest supported bandwidth. **c.** SAR testing start with 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. **d.** 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure. **e.** 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 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. **f.** 16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, 16QAM/64QAM/256QAM SAR testing are not required. **g.** Smaller bandwidth output power for each RB allocation configuration for this device will not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

16. **ASDiv for WWAN:** In order to get better user experience, the device implements antenna swap feature (named ASDiv, antenna-switching diversity) which means WWAN TX diversity. In the case both WWAN UAT (Upper antenna) and WWAN LAT (lower antenna) were tested separately.

17. **Dynamic antenna tuning**: The dynamic antenna tuning mechanism only implements for the WWAN LAT in GSM850/WCDMA B5/LTE B5/12/17/26/71/5G NR n5/n12. Besides, the tuning hardware is separate from the antenna and does not influence antenna performance (other than impedance matching). For dynamic antenna tuning, SAR is measured according to required procedures with dynamic tuner active allowing device to automatically tune. Auto-tune state determined by device during normal SAR measurement verified and listed alongside the reported SAR results. Additional single point SAR measurements to verify other tuner configurations result in equivalent or lower SAR value:
a) Total number tuner states (total 144 tuner states) divided evenly among each supported band/air interface and exposure condition combination

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b) Tuner state is established remotely so that the device is not moved for the entire series of single point SAR measurements for the tuner states in each combination
c) Single point measurements performed at the peak SAR location of the highest measured SAR configuration for each combination. SAR probe remains stationary throughout the entire series of single point measurements for each combination
d) If any single point SAR measurement result is > 1.2 W/kg for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination.
The auto-tune state is verified immediately before and after each SAR measurement by checking tuning state information on EUT.
For the detail, please refer to chapter 2 supplemental SAR results.

18. **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 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.

19. **LTE intra-band UL CA (contiguous):** The device supports LTE intra-band contiguous 2 UL CA for CA_7C and CA_41C. The maximum output power is measured for each UL CA configuration for the required test channels. UL PCC configuration is determined by the required test channel. SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band. SAR for UL CA is required in

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highest standalone head/body test position and frequency band combination. Since the maximum output for UL CA is ≦ standalone LTE mode (without CA), PCC is configured according to the highest standalone SAR configuration tested, SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC.

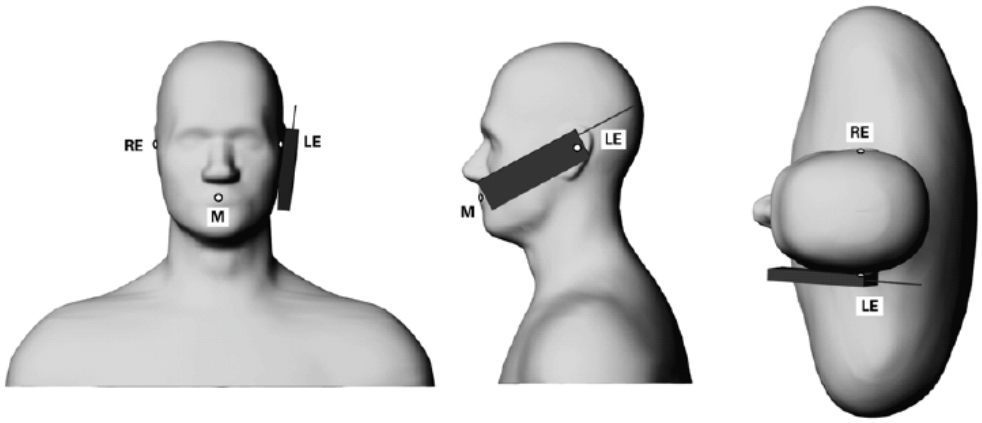
20. **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is ≤ 0.8 W/kg, when the transmission band is ≤ 100 MHz. According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency 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).

21. **DBS:** The WCN6851 supports simultaneous operation on 2.4 GHz and 5 GHz, also known as Dual Band Simultaneous (DBS).

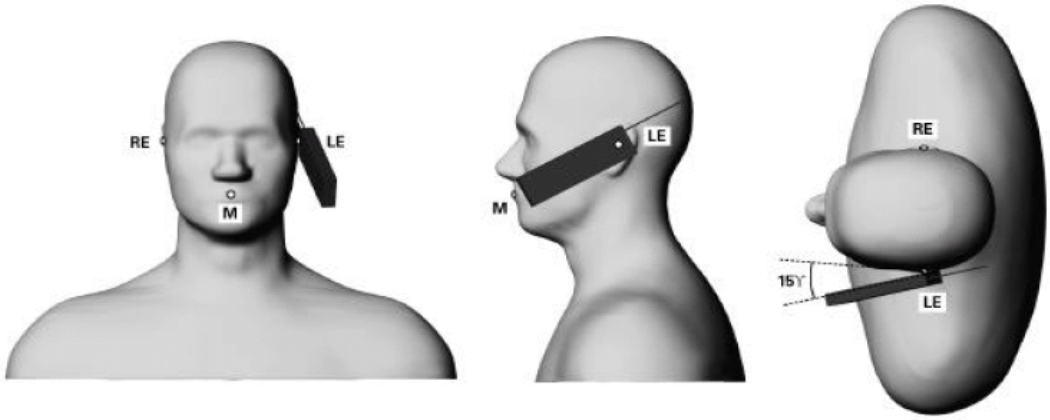
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1.6 Positioning Procedure

Head SAR measurement statement



Phone position 1, “cheek” or “touch” position. The reference points for the right ear (RE), left ear (LE) and mouth (M), which define the reference plane for phone positioning.



Phone position 2, “tilted position.” The reference points for the right ear (RE), left ear (LE) and mouth (M), which define the reference plane for phone positioning.

Cheek/Touch Position:
The handset was brought toward the mouth of the head phantom by pivoting against the ear reference point until any point of the mouthpiece or keypad touched the phantom.
Ear/Tilt Position:
With the phone aligned in the Cheek/Touch position, the handset was tilted away from the mouth with respect to the test device reference point by 15 degrees.

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Body SAR / Product Specific 10-g SAR measurement statement

1. Body-worn exposure: 15mm
   Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative test separation distance configuration may be used to support both SAR conditions. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.

2. Hotspot exposure: 10mm
   A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge when the form factor of a handset is larger than 9 cm × 5 cm.

3. Phablet SAR test consideration
   Since the device is a phablet (overall diagonal dimension > 16.0 cm), the UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for product specific 10-g SAR. When hotspot mode applies, product specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg. However, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold. Based on KDB941225D06v02r01, the hotspot mode and body-worn accessory SAR test configurations may overlap for handsets. When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.

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1.7 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 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

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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.

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1.8 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:

1.8.1 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.

$$SAR = C\frac{\delta T}{\delta t},$$

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:

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

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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].

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1.8.2 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.
3. Due to the small wavelength in liquids with high permittivity, even small setups might be above the resonant cutoff frequencies. The field distribution in the setup must be carefully checked for conformity with the theoretical field distribution.

References

(1) N. Kuster, Q. Balzano, and J.C. Lin, Eds., *Mobile Communications Safety*, Chapman & Hall, London, 1997.

(2) K. Meier, M. Burkhardt, T. Schmid, and N. Kuster, \Broadband calibration of E-field probes in lossy media", *IEEE Transactions on Microwave Theory and Techniques*, vol. 44, no. 10, pp. 1954{1962, Oct. 1996.

(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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1.9 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). Model EX3DV4 field probes are 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.

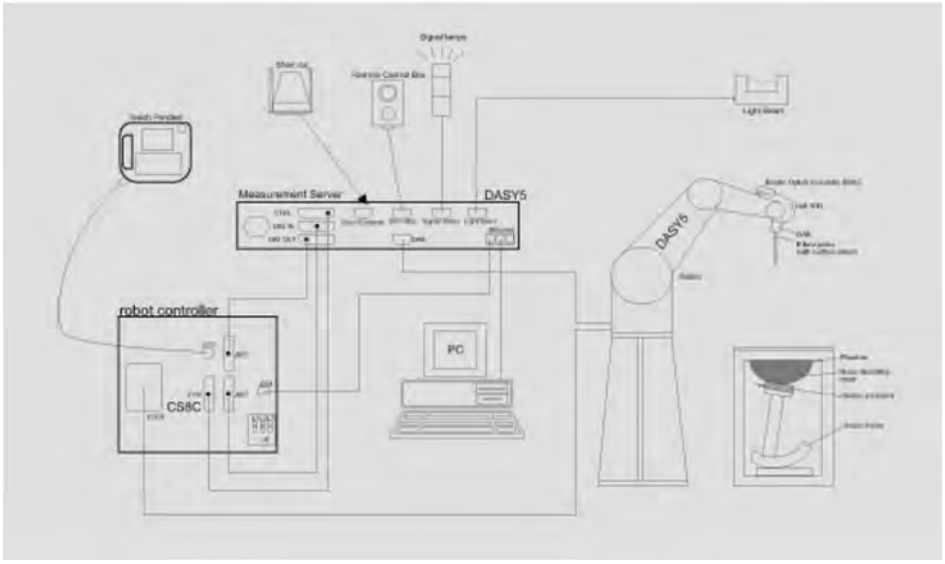


Fig. a A block diagram of the SAR measurement system

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

1. A standard high precision 6-axis robot (Staubli RX family) with controller, teach pendant and software. An arm extension is for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. 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.
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 Windows7
8. DASY 5 software.
9. Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
10. The SAM twin phantom enabling testing left-hand and right-hand usage.
11. The device holder for handheld mobile phones.
12. Tissue simulating liquid mixed according to the given recipes.
13. Validation dipole kits allowing to validate the proper functioning of the system.

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1.10 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 HSL750/835/1750/1900/2300/2450/2600/3500/3700/3900/5200/5300/5600/5800 MHz Additional CF for other liquids and frequencies upon request	
Frequency	10 MHz to > 6 GHz, Linearity: ± 0.6 dB	
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	Twin SAM
Construction	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points with the robot.
Shell Thickness	2 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Height: 850 mm; Length: 1000 mm; Width: 500 mm



DEVICE HOLDER

Construction	In combination with the Twin SAM Phantom V4.0/V4.0C or Twin SAM, the Mounting Device (made from POM) enables the rotation of the mounted transmitter in spherical coordinates, whereby the rotation point is the ear opening. The devices can be easily and accurately positioned according to IEC, IEEE, CENELEC, FCC or other specifications. The device holder can be locked at different phantom locations (left head, right head, flat phantom).	 Device Holder

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1.11 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% (according to KDB865664D01) from the target SAR values.

These tests were done at 750/835/1750/1900/2300/2450/2600/3500/3700/3900/ 5200/5300/5600/5800 MHz. 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. During the tests, the liquid depth above the ear reference points was above 15 cm (≤3G) or 10 cm (>3G) in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.

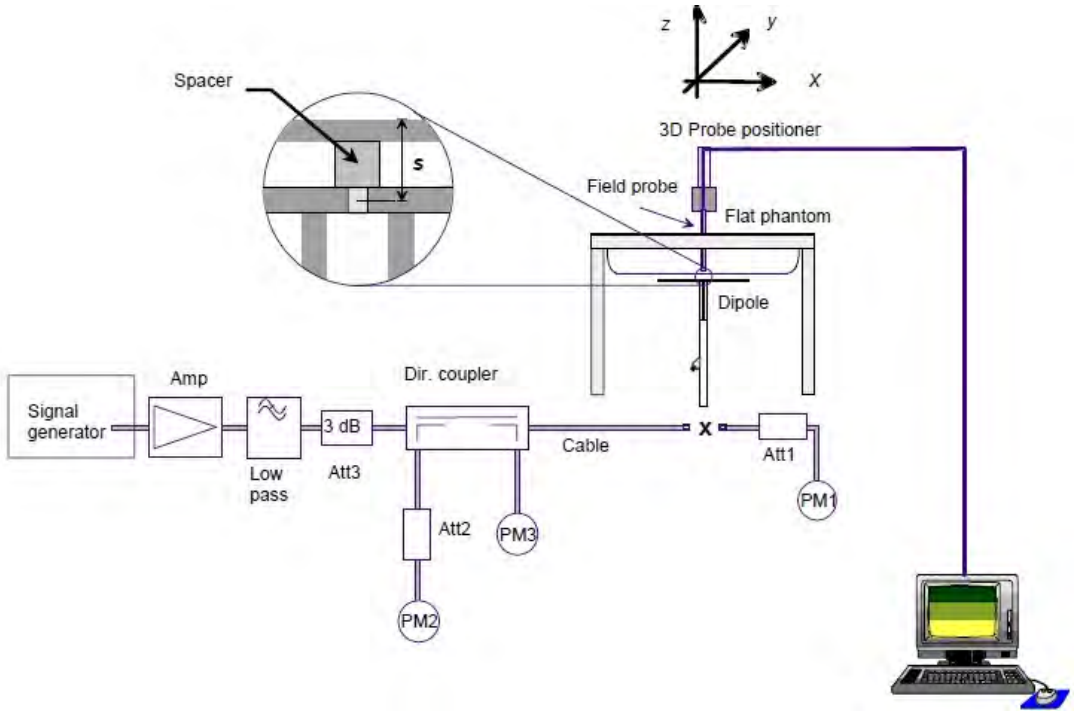


Fig. b The block diagram of system verification

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Validation Kit	S/N	Frequency (MHz)		1W Target SAR-1g (mW/g)	pin=250mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D750V3	1015	750	Head	8.48	2.16	8.64	1.89%	Mar. 18, 2021
D750V3	1015	750	Head	8.48	2.09	8.36	-1.42%	Mar. 23, 2021
D835V2	4d063	835	Head	9.52	2.32	9.28	-2.52%	Mar. 19, 2021
D835V2	4d063	835	Head	9.52	2.34	9.36	-1.68%	Mar. 24, 2021
D835V2	4d063	835	Head	9.52	2.31	9.24	-2.94%	Mar. 25, 2021
D1750V2	1008	1750	Head	36	8.91	35.64	-1.00%	Mar. 20, 2021
D1750V2	1008	1750	Head	36	8.84	35.36	-1.78%	Mar. 26, 2021
D1900V2	5d173	1900	Head	39.4	9.55	38.20	-3.05%	Mar. 20, 2021
D1900V2	5d173	1900	Head	39.4	9.90	39.60	0.51%	Mar. 27, 2021
D2300V2	1023	2300	Head	49	11.90	47.60	-2.86%	Mar. 21, 2021
D2300V2	1023	2300	Head	49	12.00	48.00	-2.04%	Mar. 26, 2021
D2450V2	727	2450	Head	52.6	12.90	51.60	-1.90%	Mar. 11, 2021
D2450V2	835	2450	Head	51.5	13.10	52.40	1.75%	Apr. 02, 2021
D2600V2	1005	2600	Head	56.9	14.10	56.40	-0.88%	Mar. 21, 2021
D2600V2	1005	2600	Head	56.9	14.80	59.20	4.04%	Mar. 28, 2021
D2600V2	1005	2600	Head	56.9	14.80	59.20	4.04%	Mar. 29, 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
D3500V2	1009	3500	Head	67.6	6.53	65.30	-3.40%	Mar. 22, 2021
D3500V2	1009	3500	Head	67.6	6.90	69.00	2.07%	Mar. 30, 2021
D3700V2	1057	3700	Head	66.1	6.55	65.50	-0.91%	Mar. 22, 2021
D3700V2	1057	3700	Head	66.1	6.47	64.70	-2.12%	Mar. 31, 2021
D3900V2	1032	3900	Head	70.8	6.84	68.40	-3.39%	Mar. 22, 2021
D3900V2	1032	3900	Head	70.8	6.97	69.70	-1.55%	Apr. 01, 2021
D5GHzV2	1023	5200	Head	77.9	8.04	80.40	3.21%	Mar. 12, 2021
		5200	Head	77.9	8.12	81.20	4.24%	Apr. 02, 2021
		5300	Head	80.4	8.27	82.70	2.86%	Mar. 13, 2021
		5300	Head	80.4	8.43	84.30	4.85%	Apr. 03, 2021
		5600	Head	83.9	8.16	81.60	-2.74%	Mar. 14, 2021
		5600	Head	83.9	8.31	83.10	-0.95%	Apr. 03, 2021
		5800	Head	80.9	8.05	80.50	-0.49%	Mar. 15, 2021
		5800	Head	80.9	8.33	83.30	2.97%	Apr. 03, 2021

Table 1. Results of system validation

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1.12 Tissue Simulant Fluid for the Frequency Band

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)

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	Mar, 18. 2021	673	42.342	0.887	43.955	0.885	3.81%	-0.27%
		680.5	42.303	0.888	43.858	0.887	3.68%	-0.11%
		688	42.264	0.889	43.769	0.889	3.56%	0.05%
		704	42.181	0.890	43.573	0.892	3.30%	0.25%
		706.5	42.168	0.890	43.568	0.893	3.32%	0.34%
		707.5	42.162	0.890	43.566	0.894	3.33%	0.44%
		708.5	42.157	0.890	43.563	0.895	3.33%	0.55%
		709	42.155	0.890	43.551	0.896	3.31%	0.65%
		710	42.149	0.890	43.514	0.897	3.24%	0.76%
		711	42.144	0.890	43.512	0.898	3.25%	0.86%
		750	41.942	0.893	42.952	0.902	2.41%	0.97%
	Mar, 23. 2021	673	42.342	0.887	44.118	0.848	4.20%	-4.44%
		680.5	42.303	0.888	44.031	0.854	4.09%	-3.82%
		688	42.264	0.889	43.931	0.860	3.95%	-3.21%
		704	42.181	0.890	43.657	0.871	3.50%	-2.11%
		706.5	42.168	0.890	43.655	0.874	3.53%	-1.80%
		707.5	42.162	0.890	43.653	0.875	3.54%	-1.69%
		708.5	42.157	0.890	43.651	0.876	3.54%	-1.59%
		709	42.155	0.890	43.649	0.878	3.55%	-1.37%
		710	42.149	0.890	43.647	0.883	3.55%	-0.82%
		711	42.144	0.890	43.645	0.891	3.56%	0.07%
		750	41.942	0.893	43.643	0.904	4.06%	1.19%
	Mar, 19. 2021	821.5	41.570	0.899	42.808	0.904	2.98%	0.56%
		824.2	41.556	0.899	42.805	0.906	3.01%	0.76%
		826.4	41.545	0.899	42.795	0.908	3.01%	0.96%
		829	41.531	0.900	42.791	0.909	3.03%	1.05%
		831.5	41.518	0.900	42.789	0.911	3.06%	1.25%
		834	41.505	0.900	42.787	0.912	3.09%	1.34%
		835	41.500	0.900	42.785	0.913	3.10%	1.44%
		836.5	41.500	0.902	42.784	0.915	3.09%	1.48%
		836.6	41.500	0.902	42.782	0.916	3.09%	1.58%
		839	41.500	0.904	42.748	0.918	3.01%	1.51%
		841.5	41.500	0.907	42.745	0.921	3.00%	1.54%
		844	41.500	0.910	42.737	0.924	2.98%	1.57%
		846.6	41.500	0.912	42.736	0.928	2.98%	1.70%
		848.8	41.500	0.915	42.731	0.931	2.97%	1.76%

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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	Mar, 24. 2021	821.5	41.570	0.899	42.833	0.914	3.04%	1.67%
		824.2	41.556	0.899	42.816	0.916	3.03%	1.87%
		826.4	41.545	0.899	42.811	0.917	3.05%	1.96%
		829	41.531	0.900	42.809	0.918	3.08%	2.05%
		831.5	41.518	0.900	42.807	0.921	3.10%	2.36%
		834	41.505	0.900	42.806	0.923	3.13%	2.56%
		835	41.500	0.900	42.801	0.924	3.13%	2.67%
		836.5	41.500	0.902	42.779	0.925	3.08%	2.59%
		836.6	41.500	0.902	42.776	0.926	3.07%	2.69%
		839	41.500	0.904	42.771	0.929	3.06%	2.73%
		841.5	41.500	0.907	42.761	0.931	3.04%	2.65%
		844	41.500	0.910	42.747	0.935	3.00%	2.78%
		846.6	41.500	0.912	42.743	0.937	3.00%	2.69%
		848.8	41.500	0.915	42.739	0.939	2.99%	2.64%
	Mar, 25. 2021	821.5	41.570	0.899	42.776	0.856	2.90%	-4.78%
		824.2	41.556	0.899	42.771	0.857	2.92%	-4.69%
		831.5	41.518	0.900	42.763	0.858	3.00%	-4.64%
		835	41.500	0.900	42.758	0.862	3.03%	-4.22%
		836.5	41.500	0.902	42.755	0.863	3.02%	-4.28%
		836.6	41.500	0.902	42.773	0.865	3.07%	-4.07%
		841.5	41.500	0.907	42.738	0.871	2.98%	-3.97%
		848.8	41.500	0.915	42.721	0.881	2.94%	-3.70%
	Mar, 20. 2021	1712.4	40.138	1.349	41.025	1.291	2.21%	-4.32%
		1720	40.126	1.354	41.014	1.299	2.21%	-4.04%
		1732.4	40.107	1.361	40.999	1.309	2.22%	-3.81%
		1732.5	40.107	1.361	40.998	1.311	2.22%	-3.67%
		1745	40.087	1.368	40.987	1.321	2.25%	-3.45%
		1750	40.079	1.371	40.979	1.324	2.25%	-3.43%
		1752.6	40.075	1.373	40.978	1.325	2.25%	-3.46%
		1770	40.047	1.383	40.889	1.341	2.10%	-3.01%
	Mar, 26. 2021	1712.4	40.138	1.349	41.721	1.287	3.94%	-4.62%
		1720	40.126	1.354	41.701	1.295	3.92%	-4.34%
		1732.4	40.107	1.361	41.691	1.305	3.95%	-4.10%
		1732.5	40.107	1.361	41.689	1.306	3.95%	-4.04%
		1745	40.087	1.368	41.674	1.316	3.96%	-3.81%
		1750	40.079	1.371	41.668	1.321	3.96%	-3.65%
		1752.6	40.075	1.373	41.663	1.322	3.96%	-3.68%
		1770	40.047	1.383	41.588	1.337	3.85%	-3.30%
	Mar, 20. 2021	1850.2	40.000	1.400	40.624	1.411	1.56%	0.79%
		1852.4	40.000	1.400	40.623	1.412	1.56%	0.86%
		1860	40.000	1.400	40.606	1.419	1.52%	1.36%
		1880	40.000	1.400	40.502	1.436	1.26%	2.57%
		1882.5	40.000	1.400	40.483	1.438	1.21%	2.71%
		1900	40.000	1.400	40.349	1.454	0.87%	3.86%
		1905	40.000	1.400	40.329	1.458	0.82%	4.14%
		1907.6	40.000	1.400	40.316	1.461	0.79%	4.36%
		1909.8	40.000	1.400	40.282	1.464	0.70%	4.57%
	Mar, 27. 2021	1850.2	40.000	1.400	41.323	1.408	3.31%	0.57%
		1852.4	40.000	1.400	41.321	1.409	3.30%	0.64%
		1860	40.000	1.400	41.299	1.416	3.25%	1.14%
		1880	40.000	1.400	41.178	1.433	2.94%	2.36%
		1882.5	40.000	1.400	41.171	1.435	2.93%	2.50%
		1900	40.000	1.400	41.046	1.451	2.62%	3.64%
		1905	40.000	1.400	41.017	1.456	2.54%	4.00%
		1907.6	40.000	1.400	41.014	1.458	2.54%	4.14%
		1909.8	40.000	1.400	40.998	1.461	2.49%	4.36%

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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	Mar, 21. 2021	2300	39.467	1.667	39.434	1.683	-0.08%	0.98%
		2310	39.449	1.676	39.395	1.693	-0.14%	1.04%
	Mar, 26. 2021	2300	39.467	1.667	39.601	1.682	0.34%	0.92%
		2310	39.449	1.676	39.545	1.692	0.24%	0.98%
	Mar, 11. 2021	2402	39.285	1.757	37.785	1.712	-3.82%	-2.58%
		2412	39.268	1.766	37.753	1.721	-3.86%	-2.56%
		2437	39.223	1.788	37.709	1.741	-3.86%	-2.65%
		2441	39.216	1.792	37.704	1.745	-3.86%	-2.62%
		2450	39.200	1.800	37.655	1.755	-3.94%	-2.50%
		2462	39.185	1.813	37.639	1.761	-3.94%	-2.87%
		2480	39.162	1.833	37.609	1.775	-3.97%	-3.15%
	Apr, 02. 2021	2412	39.268	1.766	38.471	1.747	-2.03%	-1.09%
		2437	39.223	1.788	38.425	1.762	-2.03%	-1.48%
		2450	39.200	1.800	38.386	1.775	-2.08%	-1.39%
		2462	39.185	1.813	38.361	1.789	-2.10%	-1.33%
	Mar, 21. 2021	2506	39.129	1.861	37.508	1.868	-4.14%	0.37%
		2510	39.124	1.865	37.507	1.871	-4.13%	0.30%
		2535	39.092	1.893	37.494	1.892	-4.09%	-0.04%
		2549.5	39.073	1.909	37.486	1.903	-4.06%	-0.29%
		2560	39.060	1.920	37.461	1.913	-4.09%	-0.36%
		2580	39.035	1.942	37.407	1.929	-4.17%	-0.66%
		2593	39.018	1.956	37.376	1.939	-4.21%	-0.87%
		2595	39.015	1.958	37.374	1.941	-4.21%	-0.88%
		2600	39.009	1.964	37.369	1.944	-4.20%	-1.00%
		2610	38.996	1.975	37.347	1.952	-4.23%	-1.14%
		2636.5	38.963	2.003	37.314	1.973	-4.23%	-1.52%
		2680	38.907	2.051	37.222	2.011	-4.33%	-1.95%
	Mar, 28. 2021	2506	39.129	1.861	37.499	1.867	-4.17%	0.32%
		2510	39.124	1.865	37.497	1.871	-4.16%	0.30%
		2535	39.092	1.893	37.484	1.892	-4.11%	-0.04%
		2549.5	39.073	1.909	37.472	1.903	-4.10%	-0.29%
		2560	39.060	1.920	37.446	1.912	-4.13%	-0.42%
		2580	39.035	1.942	37.393	1.928	-4.21%	-0.71%
		2593	39.018	1.956	37.366	1.939	-4.23%	-0.87%
		2595	39.015	1.958	37.362	1.942	-4.24%	-0.83%
		2600	39.009	1.964	37.355	1.944	-4.24%	-1.00%
		2610	38.996	1.975	37.342	1.952	-4.24%	-1.14%
		2636.5	38.963	2.003	37.338	1.975	-4.17%	-1.42%
		2680	38.907	2.051	37.334	2.011	-4.04%	-1.95%
	Mar, 29. 2021	2510	39.124	1.865	37.424	1.856	-4.34%	-0.51%
		2535	39.092	1.893	37.403	1.887	-4.32%	-0.30%
		2560	39.060	1.920	37.385	1.913	-4.29%	-0.36%
		2590	39.022	1.953	37.374	1.941	-4.22%	-0.60%
		2595	39.015	1.958	37.365	1.952	-4.23%	-0.32%
		2600	39.009	1.964	37.353	1.966	-4.25%	0.12%
	Mar, 22. 2021	3500.01	37.929	2.913	37.005	2.901	-2.43%	-0.40%
		3537.51	37.886	2.951	36.921	2.932	-2.55%	-0.64%
		3575.01	37.843	2.989	36.867	2.966	-2.58%	-0.78%
		3612.51	37.800	3.028	36.807	2.998	-2.63%	-0.98%
		3650.01	37.757	3.066	36.711	3.075	-2.77%	0.29%
		3700	37.700	3.118	36.627	3.122	-2.85%	0.14%
		3750	37.643	3.169	36.531	3.173	-2.95%	0.13%
		3786	37.602	3.206	36.467	3.196	-3.02%	-0.30%
		3822	37.561	3.243	36.441	3.233	-2.98%	-0.29%
		3858	37.519	3.279	36.429	3.339	-2.91%	1.82%
		3894	37.478	3.316	36.409	3.385	-2.85%	2.07%
		3900	37.471	3.323	36.371	3.379	-2.94%	1.70%
		3930	37.437	3.353	36.301	3.411	-3.03%	1.72%

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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	Mar, 30. 2021	3500	37.929	2.913	37.33	2.929	-1.58%	0.57%
		3500.01	37.929	2.913	37.329	2.931	-1.58%	0.63%
		3537.51	37.886	2.951	37.256	2.961	-1.66%	0.34%
		3575.01	37.843	2.989	37.178	2.996	-1.76%	0.22%
		3600	37.814	3.015	37.151	3.018	-1.75%	0.10%
	Mar, 31. 2021	3612.51	37.800	3.028	37.107	3.032	-1.83%	0.14%
		3650.01	37.757	3.066	37.019	3.066	-1.95%	-0.01%
		3655.005	37.751	3.071	37.013	3.071	-1.96%	-0.01%
		3700	37.700	3.118	36.934	3.113	-2.03%	-0.14%
		3709.995	37.689	3.128	36.908	3.127	-2.07%	-0.02%
		3750	37.643	3.169	36.849	3.161	-2.11%	-0.24%
		3786	37.602	3.206	36.827	3.197	-2.06%	-0.27%
	Apr, 01. 2021	3820.005	37.563	3.241	36.782	3.229	-2.08%	-0.36%
		3822	37.561	3.243	36.709	3.281	-2.27%	1.19%
		3858	37.519	3.279	36.731	3.286	-2.10%	0.20%
		3874.995	37.500	3.297	36.709	3.296	-2.11%	-0.03%
		3894	37.478	3.316	36.685	3.299	-2.12%	-0.52%
		3900	37.437	3.353	36.683	3.304	-2.01%	-1.47%
		3930	37.437	3.353	36.611	3.333	-2.21%	-0.60%
	Mar, 12. 2021	5200	35.986	4.655	35.493	4.681	-1.37%	0.56%
		5210	35.974	4.665	35.084	4.695	-2.47%	0.64%
	Apr, 02. 2021	5200	35.986	4.655	36.112	4.551	0.35%	-2.23%
		5210	35.974	4.665	36.107	4.582	0.37%	-1.78%
	Mar, 13. 2021	5290	35.883	4.747	34.902	4.787	-2.73%	0.84%
		5300	35.871	4.758	34.837	4.798	-2.88%	0.85%
	Apr, 03. 2021	5290	35.883	4.747	35.956	4.738	0.20%	-0.19%
		5300	35.871	4.758	35.881	4.746	0.03%	-0.24%
	Mar, 14. 2021	5530	35.609	4.993	34.762	5.072	-2.38%	1.58%
		5600	35.529	5.065	34.655	5.151	-2.46%	1.70%
		5610	35.517	5.075	34.321	5.166	-3.37%	1.79%
	Apr, 03. 2021	5530	35.609	4.993	35.124	5.023	-1.36%	0.60%
		5600	35.529	5.065	34.994	5.116	-1.50%	1.01%
		5610	35.517	5.075	34.965	5.124	-1.55%	0.96%
	Mar, 15. 2021	5775	35.329	5.244	34.184	5.359	-3.24%	2.19%
		5800	35.300	5.270	34.011	5.389	-3.65%	2.26%
	Apr, 03. 2021	5775	35.329	5.244	34.484	5.347	-2.39%	1.96%
		5800	35.300	5.270	34.441	5.481	-2.43%	4.00%

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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The composition of the 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)
3500	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
3700	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
3900	Head	550ml	450ml	—	—	—	—	1.0L(Kg)

Simulating Liquids for 5 GHz, Manufactured by SPEAG:

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

Table 3. Recipes for tissue simulating liquid

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1.13 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 a 10 grams of tissue (defined as a tissue volume in the shape of a cube).

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.

2. 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).

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Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube).
General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure.
Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section.(Table .6)

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

Head

GSM 850 / 1900

Band	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	
GSM 850 (ANT1)	Re Cheek	-	190	836.6	33.50	33.08	110.15%	0.062	0.068	-
	Re Tilt	-	190	836.6	33.50	33.08	110.15%	0.041	0.045	-
	Le Cheek	-	128	824.2	33.50	32.56	124.17%	0.055	0.068	-
	Le Cheek	-	190	836.6	33.50	33.08	110.15%	0.080	0.088	204
	Le Cheek	-	251	848.8	33.50	32.92	114.29%	0.065	0.074	-
	Le Tilt	-	190	836.6	33.50	33.08	110.15%	0.032	0.035	-
GSM 850 (ANT3)	Re Cheek	-	128	824.2	33.00	31.74	133.66%	0.518	0.692	-
	Re Cheek	-	190	836.6	33.00	32.35	116.14%	0.765	0.889	-
	Re Cheek	-	251	848.8	33.00	32.17	121.06%	0.778	0.942	205
	Re Tilt	-	190	836.6	33.00	32.35	116.14%	0.269	0.312	-
	Le Cheek	-	190	836.6	33.00	32.35	116.14%	0.406	0.472	-
	Le Tilt	-	190	836.6	33.00	32.35	116.14%	0.163	0.189	-
GSM 1900 (ANT2)	Re Cheek	-	512	1850.2	30.50	29.27	132.74%	0.018	0.024	-
	Re Cheek	-	661	1880	30.50	29.44	127.64%	0.025	0.032	-
	Re Cheek	-	810	1909.8	30.50	29.17	135.83%	0.028	0.038	206
	Re Tilt	-	661	1880	30.50	29.44	127.64%	0.002	0.003	-
	Le Cheek	-	661	1880	30.50	29.44	127.64%	0.016	0.020	-
	Le Tilt	-	661	1880	30.50	29.44	127.64%	0.003	0.004	-

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WCDMA Band II / IV / V

Band	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 (ANT2)	Re Cheek	-	9262	1852.4	24.50	22.54	157.04%	0.037	0.058	-
	Re Cheek	-	9400	1880	24.50	22.73	150.31%	0.050	0.075	-
	Re Cheek	-	9538	1907.6	24.50	23.09	138.36%	0.071	0.098	207
	Re Tilt	-	9538	1907.6	24.50	23.09	138.36%	0.005	0.007	-
	Le Cheek	-	9538	1907.6	24.50	23.09	138.36%	0.063	0.088	-
	Le Tilt	-	9538	1907.6	24.50	23.09	138.36%	0.004	0.006	-
WCDMA Band IV (ANT2)	Re Cheek	-	1513	1752.6	24.50	23.47	126.77%	0.030	0.038	-
	Re Tilt	-	1513	1752.6	24.50	23.47	126.77%	0.003	0.004	-
	Le Cheek	-	1312	1712.4	24.50	23.31	131.52%	0.032	0.041	-
	Le Cheek	-	1412	1732.4	24.50	23.03	140.28%	0.040	0.056	208
	Le Cheek	-	1513	1752.6	24.50	23.47	126.77%	0.035	0.044	-
	Le Tilt	-	1513	1752.6	24.50	23.47	126.77%	0.004	0.006	-
WCDMA Band V (ANT1)	Re Cheek	-	4183	836.6	24.50	23.89	115.08%	0.055	0.064	-
	Re Tilt	-	4183	836.6	24.50	23.89	115.08%	0.038	0.044	-
	Le Cheek	-	4132	826.4	24.50	23.74	119.12%	0.097	0.116	209
	Le Cheek	-	4183	836.6	24.50	23.89	115.08%	0.074	0.085	-
	Le Cheek	-	4233	846.6	24.50	23.68	120.78%	0.074	0.090	-
	Le Tilt	-	4183	836.6	24.50	23.89	115.08%	0.030	0.034	-
WCDMA Band V (ANT3)	Re Cheek	-	4132	826.4	23.50	22.71	119.95%	0.294	0.353	-
	Re Cheek	-	4183	836.6	23.50	22.87	115.61%	0.442	0.511	-
	Re Cheek	-	4233	846.6	23.50	22.62	122.46%	0.698	0.855	210
	Re Tilt	-	4183	836.6	23.50	22.87	115.61%	0.158	0.183	-
	Le Cheek	-	4183	836.6	23.50	22.87	115.61%	0.335	0.387	-
	Le Tilt	-	4183	836.6	23.50	22.87	115.61%	0.124	0.143	-

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LTE Band 2 / 4 / 5 / 7

Band	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 (ANT2)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	18700	1860	24	22.38	145.21%	0.069	0.100	211
						RE Cheek	-	18900	1880	24	22.38	145.21%	0.061	0.089	-
						RE Cheek	-	19100	1900	24	22.42	143.88%	0.063	0.090	-
						RE Tilt	-	19100	1900	24	22.42	143.88%	0.019	0.027	-
						LE Cheek	-	19100	1900	24	22.42	143.88%	0.034	0.049	-
						LE Tilt	-	19100	1900	24	22.42	143.88%	0.013	0.018	-
				50 RB	0	RE Cheek	-	19100	1900	23	21.62	137.40%	0.048	0.066	-
						RE Tilt	-	19100	1900	23	21.62	137.40%	0.013	0.018	-
						LE Cheek	-	19100	1900	23	21.62	137.40%	0.027	0.037	-
						LE Tilt	-	19100	1900	23	21.62	137.40%	0.009	0.012	-
				100 RB		RE Cheek	-	19100	1900	23	21.49	141.58%	0.049	0.069	-
						RE Tilt	-	19100	1900	23	21.49	141.58%	0.012	0.017	-
						LE Cheek	-	19100	1900	23	21.49	141.58%	0.024	0.034	-
						LE Tilt	-	19100	1900	23	21.49	141.58%	0.005	0.007	-
LTE Band 4 (ANT2)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	20050	1720	24	22.34	146.55%	0.056	0.082	212
						RE Cheek	-	20175	1732.5	24	22.38	145.21%	0.052	0.075	-
						RE Cheek	-	20300	1745	24	22.51	140.93%	0.042	0.059	-
						RE Tilt	-	20300	1745	24	22.51	140.93%	0.025	0.035	-
						LE Cheek	-	20300	1745	24	22.51	140.93%	0.021	0.029	-
						LE Tilt	-	20300	1745	24	22.51	140.93%	0.030	0.042	-
				50 RB	0	RE Cheek	-	20300	1745	23	21.57	139.00%	0.031	0.043	-
						RE Tilt	-	20300	1745	23	21.57	139.00%	0.018	0.025	-
						LE Cheek	-	20300	1745	23	21.57	139.00%	0.016	0.022	-
						LE Tilt	-	20300	1745	23	21.57	139.00%	0.023	0.032	-
				100 RB		RE Cheek	-	20300	1745	23	21.44	143.22%	0.029	0.042	-
						RE Tilt	-	20300	1745	23	21.44	143.22%	0.015	0.021	-
						LE Cheek	-	20300	1745	23	21.44	143.22%	0.015	0.021	-
						LE Tilt	-	20300	1745	23	21.44	143.22%	0.021	0.030	-
LTE Band 5 (ANT1)	Head	10MHz	QPSK	1 RB	0	RE Cheek	-	20450	829	24	23.20	120.23%	0.055	0.066	-
						RE Tilt	-	20450	829	24	23.20	120.23%	0.031	0.038	-
						LE Cheek	-	20450	829	24	23.20	120.23%	0.124	0.149	-
						LE Cheek	-	20525	836.5	24	23.05	124.45%	0.132	0.164	213
						LE Cheek	-	20600	844	24	22.95	127.35%	0.117	0.149	-
						LE Tilt	-	20450	829	24	23.20	120.23%	0.004	0.005	-
				25 RB	0	RE Cheek	-	20450	829	23	22.27	118.30%	0.041	0.049	-
						RE Tilt	-	20450	829	23	22.27	118.30%	0.022	0.026	-
						LE Cheek	-	20450	829	23	22.27	118.30%	0.095	0.112	-
						LE Tilt	-	20450	829	23	22.27	118.30%	0.003	0.004	-
				50 RB		RE Cheek	-	20450	829	23	22.23	119.40%	0.044	0.053	-
						RE Tilt	-	20450	829	23	22.23	119.40%	0.024	0.029	-
						LE Cheek	-	20450	829	23	22.23	119.40%	0.104	0.124	-
						LE Tilt	-	20450	829	23	22.23	119.40%	0.002	0.002	-
LTE Band 5 (ANT3)	Head	10MHz	QPSK	1 RB	0	RE Cheek	-	20450	829	23.5	22.27	132.74%	0.440	0.584	-
						RE Cheek	-	20525	836.5	23.5	22.19	135.21%	0.502	0.679	-
						RE Cheek	-	20600	844	23.5	22.12	137.40%	0.543	0.746	214
						RE Tilt	-	20450	829	23.5	22.27	132.74%	0.135	0.179	-
						LE Cheek	-	20450	829	23.5	22.27	132.74%	0.327	0.434	-
						LE Tilt	-	20450	829	23.5	22.27	132.74%	0.113	0.150	-
				25 RB	0	RE Cheek	-	20450	829	22.5	21.47	126.77%	0.321	0.407	-
						RE Tilt	-	20450	829	22.5	21.47	126.77%	0.098	0.124	-
						LE Cheek	-	20450	829	22.5	21.47	126.77%	0.241	0.306	-
						LE Tilt	-	20450	829	22.5	21.47	126.77%	0.085	0.108	-
				50 RB		RE Cheek	-	20450	829	22.5	21.39	129.12%	0.308	0.398	-
						RE Tilt	-	20450	829	22.5	21.39	129.12%	0.103	0.133	-
						LE Cheek	-	20450	829	22.5	21.39	129.12%	0.255	0.329	-
						LE Tilt	-	20450	829	22.5	21.39	129.12%	0.081	0.105	-
LTE Band 7 (ANT1)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	20850	2510	24	22.56	139.32%	0.035	0.048	-
						RE Cheek	-	21100	2535	24	22.91	128.53%	0.040	0.052	215
						RE Cheek	-	21350	2560	24	22.52	140.60%	0.031	0.043	-
						RE Tilt	-	21100	2535	24	22.91	128.53%	0.012	0.015	-
						LE Cheek	-	21100	2535	24	22.91	128.53%	0.030	0.039	-
						LE Tilt	-	21100	2535	24	22.91	128.53%	0.010	0.013	-
				50 RB	0	RE Cheek	-	21100	2535	23	21.83	130.92%	0.031	0.041	-
						RE Tilt	-	21100	2535	23	21.83	130.92%	0.008	0.010	-
						LE Cheek	-	21100	2535	23	21.83	130.92%	0.022	0.029	-
						LE Tilt	-	21100	2535	23	21.83	130.92%	0.007	0.009	-
				100 RB		RE Cheek	-	21100	2535	23	21.85	130.32%	0.029	0.038	-
						RE Tilt	-	21100	2535	23	21.85	130.32%	0.008	0.010	-
						LE Cheek	-	21100	2535	23	21.85	130.32%	0.021	0.027	-
						LE Tilt	-	21100	2535	23	21.85	130.32%	0.008	0.010	-

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LTE Band 7 / 12 / 17

Band	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 (ANT2)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	20850	2510	24	22.22	150.66%	0.139	0.209	-
						RE Cheek	-	21100	2535	24	22.51	140.93%	0.164	0.231	-
						RE Cheek	-	21350	2560	24	22.64	136.77%	0.196	0.268	216
						RE Tilt	-	21350	2560	24	22.64	136.77%	0.066	0.090	-
						LE Cheek	-	21350	2560	24	22.64	136.77%	0.133	0.182	-
						LE Tilt	-	21350	2560	24	22.64	136.77%	0.049	0.067	-
				50 RB	0	RE Cheek	-	21350	2560	23	21.77	132.74%	0.154	0.204	-
						RE Tilt	-	21350	2560	23	21.77	132.74%	0.046	0.061	-
						LE Cheek	-	21350	2560	23	21.77	132.74%	0.098	0.130	-
						LE Tilt	-	21350	2560	23	21.77	132.74%	0.036	0.048	-
				100 RB		RE Cheek	-	21350	2560	23	21.83	130.92%	0.139	0.182	-
						RE Tilt	-	21350	2560	23	21.83	130.92%	0.050	0.065	-
						LE Cheek	-	21350	2560	23	21.83	130.92%	0.095	0.124	-
						LE Tilt	-	21350	2560	23	21.83	130.92%	0.037	0.048	-
CA_7C	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	21350	2560	24	22.44	143.22%	0.177	0.253	-
LTE Band 12 (ANT1)	Head	10MHz	QPSK	1 RB	0	RE Cheek	-	23130	711	24	23.23	119.40%	0.039	0.046	-
						RE Tilt	-	23130	711	24	23.23	119.40%	0.030	0.036	-
						LE Cheek	-	23060	704	24	23.08	123.59%	0.037	0.046	-
						LE Cheek	-	23095	707.5	24	23.18	120.78%	0.039	0.047	-
						LE Cheek	-	23130	711	24	23.23	119.40%	0.105	0.125	217
						LE Tilt	-	23130	711	24	23.23	119.40%	0.038	0.045	-
				25 RB	0	RE Cheek	-	23130	711	23	22.25	118.85%	0.028	0.033	-
						RE Tilt	-	23130	711	23	22.25	118.85%	0.022	0.026	-
						LE Cheek	-	23130	711	23	22.25	118.85%	0.073	0.087	-
						LE Tilt	-	23130	711	23	22.25	118.85%	0.027	0.032	-
				50 RB		RE Cheek	-	23130	711	23	22.22	119.67%	0.031	0.037	-
						RE Tilt	-	23130	711	23	22.22	119.67%	0.023	0.028	-
						LE Cheek	-	23130	711	23	22.22	119.67%	0.080	0.096	-
						LE Tilt	-	23130	711	23	22.22	119.67%	0.029	0.035	-
LTE Band 12 (ANT3)	Head	10MHz	QPSK	1 RB	0	RE Cheek	-	23060	704	23.5	22.26	133.05%	0.280	0.373	-
						RE Cheek	-	23095	707.5	23.5	22.32	131.22%	0.346	0.454	-
						RE Cheek	-	23130	711	23.5	22.35	130.32%	0.355	0.463	218
						RE Tilt	-	23130	711	23.5	22.35	130.32%	0.144	0.188	-
						LE Cheek	-	23130	711	23.5	22.35	130.32%	0.287	0.374	-
						LE Tilt	-	23130	711	23.5	22.35	130.32%	0.018	0.023	-
				25 RB	0	RE Cheek	-	23130	711	22.5	21.56	124.17%	0.276	0.343	-
						RE Tilt	-	23130	711	22.5	21.56	124.17%	0.116	0.144	-
						LE Cheek	-	23130	711	22.5	21.56	124.17%	0.218	0.271	-
						LE Tilt	-	23130	711	22.5	21.56	124.17%	0.013	0.016	-
				50 RB		RE Cheek	-	23130	711	22.5	21.48	126.47%	0.255	0.323	-
						RE Tilt	-	23130	711	22.5	21.48	126.47%	0.100	0.126	-
						LE Cheek	-	23130	711	22.5	21.48	126.47%	0.206	0.261	-
						LE Tilt	-	23130	711	22.5	21.48	126.47%	0.011	0.014	-
LTE Band 17 (ANT1)	Head	10MHz	QPSK	1 RB	0	RE Cheek	-	23790	710	24	23.17	121.06%	0.029	0.035	-
						RE Tilt	-	23790	710	24	23.17	121.06%	0.022	0.027	-
						LE Cheek	-	23780	709	24	23.14	121.90%	0.103	0.126	-
						LE Cheek	-	23790	710	24	23.17	121.06%	0.096	0.116	-
						LE Cheek	-	23800	711	24	23.16	121.34%	0.110	0.133	219
						LE Tilt	-	23790	710	24	23.17	121.06%	0.031	0.038	-
				25 RB	0	RE Cheek	-	23790	710	23	22.25	118.85%	0.021	0.025	-
						RE Tilt	-	23790	710	23	22.25	118.85%	0.017	0.020	-
						LE Cheek	-	23790	710	23	22.25	118.85%	0.084	0.100	-
						LE Tilt	-	23790	710	23	22.25	118.85%	0.022	0.026	-
				50 RB		RE Cheek	-	23790	710	23	22.21	119.95%	0.020	0.024	-
						RE Tilt	-	23790	710	23	22.21	119.95%	0.016	0.019	-
						LE Cheek	-	23790	710	23	22.21	119.95%	0.079	0.095	-
						LE Tilt	-	23790	710	23	22.21	119.95%	0.024	0.029	-
LTE Band 17 (ANT3)	Head	10MHz	QPSK	1 RB	0	RE Cheek	-	23780	709	23.5	22.22	134.28%	0.325	0.436	-
						RE Cheek	-	23790	710	23.5	22.36	130.02%	0.341	0.443	-
						RE Cheek	-	23800	711	23.5	22.34	130.62%	0.346	0.452	220
						RE Tilt	-	23790	710	23.5	22.36	130.02%	0.141	0.183	-
						LE Cheek	-	23790	710	23.5	22.36	130.02%	0.264	0.343	-
						LE Tilt	-	23790	710	23.5	22.36	130.02%	0.017	0.022	-
				25 RB	0	RE Cheek	-	23790	710	22.5	21.58	123.59%	0.248	0.307	-
						RE Tilt	-	23790	710	22.5	21.58	123.59%	0.098	0.121	-
						LE Cheek	-	23790	710	22.5	21.58	123.59%	0.211	0.261	-
						LE Tilt	-	23790	710	22.5	21.58	123.59%	0.013	0.016	-
				50 RB		RE Cheek	-	23790	710	22.5	21.49	126.18%	0.259	0.327	-
						RE Tilt	-	23790	710	22.5	21.49	126.18%	0.105	0.132	-
						LE Cheek	-	23790	710	22.5	21.49	126.18%	0.192	0.242	-
						LE Tilt	-	23790	710	22.5	21.49	126.18%	0.011	0.014	-

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LTE Band 25 / 26 / 30 / 38

Band	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 25 (ANT2)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	26140	1860	24	22.14	153.46%	0.063	0.096	-
						RE Cheek	-	26365	1882.5	24	22.35	146.22%	0.061	0.089	-
						RE Cheek	-	26590	1905	24	22.46	142.56%	0.066	0.094	221
						RE Tilt	-	26590	1905	24	22.46	142.56%	0.017	0.024	-
						LE Cheek	-	26590	1905	24	22.46	142.56%	0.044	0.063	-
						LE Tilt	-	26590	1905	24	22.46	142.56%	0.025	0.036	-
				50 RB	0	RE Cheek	-	26590	1905	23	21.59	138.36%	0.048	0.066	-
						RE Tilt	-	26590	1905	23	21.59	138.36%	0.012	0.017	-
						LE Cheek	-	26590	1905	23	21.59	138.36%	0.031	0.043	-
						LE Tilt	-	26590	1905	23	21.59	138.36%	0.017	0.024	-
				100 RB		RE Cheek	-	26590	1905	23	21.52	140.60%	0.050	0.070	-
						RE Tilt	-	26590	1905	23	21.52	140.60%	0.011	0.015	-
						LE Cheek	-	26590	1905	23	21.52	140.60%	0.034	0.048	-
						LE Tilt	-	26590	1905	23	21.52	140.60%	0.012	0.017	-
LTE Band 26 (ANT1)	Head	15MHz	QPSK	1 RB	0	RE Cheek	-	26765	821.5	24	23.23	119.40%	0.042	0.050	-
						RE Tilt	-	26765	821.5	24	23.23	119.40%	0.029	0.035	-
						LE Cheek	-	26765	821.5	24	23.23	119.40%	0.091	0.109	-
						LE Cheek	-	26865	831.5	24	23.11	122.74%	0.084	0.103	-
						LE Cheek	-	26965	841.5	24	23.02	125.31%	0.097	0.122	222
						LE Tilt	-	26765	821.5	24	23.23	119.40%	0.015	0.018	-
				36 RB	0	RE Cheek	-	26765	821.5	23	22.33	116.68%	0.029	0.034	-
						RE Tilt	-	26765	821.5	23	22.33	116.68%	0.021	0.025	-
						LE Cheek	-	26765	821.5	23	22.33	116.68%	0.068	0.079	-
						LE Tilt	-	26765	821.5	23	22.33	116.68%	0.011	0.013	-
				75 RB		RE Cheek	-	26765	821.5	23	22.30	117.49%	0.033	0.039	-
						RE Tilt	-	26765	821.5	23	22.30	117.49%	0.023	0.027	-
						LE Cheek	-	26765	821.5	23	22.30	117.49%	0.072	0.085	-
						LE Tilt	-	26765	821.5	23	22.30	117.49%	0.006	0.007	-
LTE Band 26 (ANT3)	Head	15MHz	QPSK	1 RB	0	RE Cheek	-	26765	821.5	23.5	22.29	132.13%	0.424	0.560	-
						RE Cheek	-	26865	831.5	23.5	22.21	134.59%	0.480	0.646	-
						RE Cheek	-	26965	841.5	23.5	22.02	140.60%	0.585	0.823	223
						RE Tilt	-	26765	821.5	23.5	22.29	132.13%	0.171	0.226	-
						LE Cheek	-	26765	821.5	23.5	22.29	132.13%	0.316	0.418	-
						LE Tilt	-	26765	821.5	23.5	22.29	132.13%	0.110	0.145	-
				36 RB	0	RE Cheek	-	26765	821.5	22.5	21.47	126.77%	0.313	0.397	-
						RE Tilt	-	26765	821.5	22.5	21.47	126.77%	0.128	0.162	-
						LE Cheek	-	26765	821.5	22.5	21.47	126.77%	0.233	0.295	-
						LE Tilt	-	26765	821.5	22.5	21.47	126.77%	0.086	0.109	-
				75 RB		RE Cheek	-	26765	821.5	22.5	21.42	128.23%	0.334	0.428	-
						RE Tilt	-	26765	821.5	22.5	21.42	128.23%	0.131	0.168	-
						LE Cheek	-	26765	821.5	22.5	21.42	128.23%	0.243	0.312	-
						LE Tilt	-	26765	821.5	22.5	21.42	128.23%	0.084	0.108	-
LTE Band 30 (ANT2)	Head	10MHz	QPSK	1 RB	0	RE Cheek	-	27710	2310	24	22.29	148.25%	0.149	0.221	224
						RE Tilt	-	27710	2310	24	22.29	148.25%	0.054	0.080	-
						LE Cheek	-	27710	2310	24	22.29	148.25%	0.096	0.142	-
						LE Tilt	-	27710	2310	24	22.29	148.25%	0.044	0.065	-
					25	RE Cheek	-	27710	2310	24	22.28	148.59%	0.120	0.178	-
					49	RE Cheek	-	27710	2310	24	22.22	150.66%	0.117	0.176	-
				25 RB	0	RE Cheek	-	27710	2310	23	21.37	145.55%	0.108	0.157	-
						RE Tilt	-	27710	2310	23	21.37	145.55%	0.040	0.058	-
						LE Cheek	-	27710	2310	23	21.37	145.55%	0.068	0.099	-
						LE Tilt	-	27710	2310	23	21.37	145.55%	0.034	0.049	-
				50 RB		RE Cheek	-	27710	2310	23	21.32	147.23%	0.117	0.172	-
						RE Tilt	-	27710	2310	23	21.32	147.23%	0.037	0.054	-
						LE Cheek	-	27710	2310	23	21.32	147.23%	0.071	0.105	-
						LE Tilt	-	27710	2310	23	21.32	147.23%	0.032	0.047	-
LTE Band 38 (ANT2)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	37850	2580	24	22.95	127.35%	0.075	0.096	-
						RE Cheek	-	38000	2595	24	22.94	127.64%	0.080	0.102	-
						RE Cheek	-	38150	2610	24	22.75	133.35%	0.086	0.115	225
						RE Tilt	-	37850	2580	24	22.95	127.35%	0.028	0.036	-
						LE Cheek	-	37850	2580	24	22.95	127.35%	0.066	0.084	-
						LE Tilt	-	37850	2580	24	22.95	127.35%	0.030	0.038	-
				50 RB	0	RE Cheek	-	37850	2580	23	22.15	121.62%	0.064	0.078	-
						RE Tilt	-	37850	2580	23	22.15	121.62%	0.021	0.026	-
						LE Cheek	-	37850	2580	23	22.15	121.62%	0.047	0.057	-
						LE Tilt	-	37850	2580	23	22.15	121.62%	0.022	0.027	-
				100 RB		RE Cheek	-	37850	2580	23	22.11	122.74%	0.055	0.068	-
						RE Tilt	-	37850	2580	23	22.11	122.74%	0.022	0.027	-
						LE Cheek	-	37850	2580	23	22.11	122.74%	0.053	0.065	-
						LE Tilt	-	37850	2580	23	22.11	122.74%	0.023	0.028	-
CA_38C	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	38150	2610	24	22.74	133.66%	0.067	0.090	-

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LTE Band 41 / 66 / 71

Band	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 (ANT2)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	39750	2506	24	22.31	147.57%	0.054	0.079	-
						RE Cheek	-	40185	2549.5	24	22.92	128.23%	0.065	0.084	-
						RE Cheek	-	40620	2593	24	22.88	129.42%	0.080	0.103	-
						RE Cheek	-	41055	2636.5	24	22.34	146.55%	0.095	0.138	-
						RE Cheek	-	41490	2680	24	22.21	151.01%	0.101	0.153	226
						RE Tilt	-	40185	2549.5	24	22.92	128.23%	0.017	0.022	-
						LE Cheek	-	40185	2549.5	24	22.92	128.23%	0.056	0.072	-
						LE Tilt	-	40185	2549.5	24	22.92	128.23%	0.022	0.028	-
				50 RB	0	RE Cheek	-	40185	2549.5	23	21.91	128.53%	0.046	0.059	-
						RE Tilt	-	40185	2549.5	23	21.91	128.53%	0.012	0.015	-
						LE Cheek	-	40185	2549.5	23	21.91	128.53%	0.041	0.053	-
						LE Tilt	-	40185	2549.5	23	21.91	128.53%	0.015	0.019	-
				100 RB		RE Cheek	-	40185	2549.5	23	21.92	128.23%	0.053	0.068	-
						RE Tilt	-	40185	2549.5	23	21.92	128.23%	0.017	0.022	-
						LE Cheek	-	40185	2549.5	23	21.92	128.23%	0.045	0.058	-
						LE Tilt	-	40185	2549.5	23	21.92	128.23%	0.018	0.023	-
CA_41C	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	41490	2680	24	22.17	152.41%	0.087	0.133	-
LTE Band 66 (ANT2)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	132072	1720	24	22.17	152.41%	0.049	0.074	-
						RE Cheek	-	132322	1745	24	22.25	149.62%	0.049	0.073	-
						RE Cheek	-	132572	1770	24	22.16	152.76%	0.052	0.079	227
						RE Tilt	-	132322	1745	24	22.25	149.62%	0.025	0.037	-
						LE Cheek	-	132322	1745	24	22.25	149.62%	0.037	0.055	-
						LE Tilt	-	132322	1745	24	22.25	149.62%	0.011	0.016	-
				50 RB	0	RE Cheek	-	132322	1745	23	21.29	148.25%	0.034	0.050	-
						RE Tilt	-	132322	1745	23	21.29	148.25%	0.018	0.027	-
						LE Cheek	-	132322	1745	23	21.29	148.25%	0.028	0.042	-
						LE Tilt	-	132322	1745	23	21.29	148.25%	0.012	0.018	-
				100 RB		RE Cheek	-	132322	1745	23	21.24	149.97%	0.037	0.055	-
						RE Tilt	-	132322	1745	23	21.24	149.97%	0.019	0.028	-
						LE Cheek	-	132322	1745	23	21.24	149.97%	0.028	0.042	-
						LE Tilt	-	132322	1745	23	21.24	149.97%	0.007	0.010	-
LTE Band 71 (ANT1)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	133222	673	24	22.91	128.53%	0.028	0.036	-
						RE Tilt	-	133222	673	24	22.91	128.53%	0.014	0.018	-
						LE Cheek	-	133222	673	24	22.91	128.53%	0.071	0.092	228
						LE Cheek	-	133297	680.5	24	22.77	132.74%	0.055	0.072	-
						LE Cheek	-	133372	688	24	22.73	133.97%	0.062	0.083	-
						LE Tilt	-	133222	673	24	22.91	128.53%	0.009	0.011	-
				50 RB	0	RE Cheek	-	133222	673	23	21.88	129.42%	0.022	0.028	-
						RE Tilt	-	133222	673	23	21.88	129.42%	0.014	0.018	-
						LE Cheek	-	133222	673	23	21.88	129.42%	0.052	0.067	-
						LE Tilt	-	133222	673	23	21.88	129.42%	0.006	0.008	-
				100 RB		RE Cheek	-	133222	673	23	21.76	133.05%	0.019	0.025	-
						RE Tilt	-	133222	673	23	21.76	133.05%	0.010	0.013	-
						LE Cheek	-	133222	673	23	21.76	133.05%	0.043	0.057	-
						LE Tilt	-	133222	673	23	21.76	133.05%	0.003	0.004	-
LTE Band 71 (ANT3)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	133222	673	23.5	22.27	132.74%	0.643	0.854	-
						RE Cheek	-	133297	680.5	23.5	22.35	130.32%	0.680	0.886	-
						RE Cheek	-	133372	688	23.5	22.33	130.92%	0.704	0.922	229
						RE Tilt	-	133297	680.5	23.5	22.35	130.32%	0.233	0.304	-
						LE Cheek	-	133297	680.5	23.5	22.35	130.32%	0.558	0.727	-
						LE Tilt	-	133297	680.5	23.5	22.35	130.32%	0.006	0.008	-
				50 RB	0	RE Cheek	-	133297	680.5	22.5	21.33	130.92%	0.503	0.659	-
						RE Tilt	-	133297	680.5	22.5	21.33	130.92%	0.179	0.234	-
						LE Cheek	-	133297	680.5	22.5	21.33	130.92%	0.393	0.515	-
						LE Tilt	-	133297	680.5	22.5	21.33	130.92%	0.004	0.005	-
				100 RB		RE Cheek	-	133297	680.5	22.5	21.33	130.92%	0.476	0.623	-
						RE Tilt	-	133297	680.5	22.5	21.33	130.92%	0.172	0.225	-
						LE Cheek	-	133297	680.5	22.5	21.33	130.92%	0.429	0.562	-
						LE Tilt	-	133297	680.5	22.5	21.33	130.92%	0.002	0.003	-

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5NR n2 / n5 / n7 / n12

Band	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	
NR n2 (ANT2)	Head	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	372000	1860	24	22.20	151.36%	0.061	0.092	-
						RE Cheek	-	376000	1880	24	22.24	149.97%	0.072	0.108	-
						RE Cheek	-	380000	1900	24	22.30	147.91%	0.084	0.124	230
						RE Tilt	-	380000	1900	24	22.30	147.91%	0.012	0.018	-
						LE Cheek	-	380000	1900	24	22.30	147.91%	0.054	0.080	-
						LE Tilt	-	380000	1900	24	22.30	147.91%	0.023	0.034	-
				50 RB	0	RE Cheek	-	380000	1900	24	22.28	148.59%	0.082	0.122	-
						RE Tilt	-	380000	1900	24	22.28	148.59%	0.011	0.016	-
						LE Cheek	-	380000	1900	24	22.28	148.59%	0.050	0.074	-
						LE Tilt	-	380000	1900	24	22.28	148.59%	0.014	0.021	-
				100 RB		RE Cheek	-	380000	1900	23.5	21.72	150.66%	0.068	0.102	-
						RE Tilt	-	380000	1900	23.5	21.72	150.66%	0.010	0.015	-
						LE Cheek	-	380000	1900	23.5	21.72	150.66%	0.044	0.066	-
						LE Tilt	-	380000	1900	23.5	21.72	150.66%	0.019	0.029	-
NR n5 (ANT1)	Head	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	166800	834	24	23.34	116.41%	0.056	0.065	-
						RE Tilt	-	166800	834	24	23.34	116.41%	0.022	0.026	-
						LE Cheek	-	166800	834	24	23.34	116.41%	0.085	0.098	231
						LE Cheek	-	167300	836.5	24	23.17	121.06%	0.078	0.095	-
						LE Cheek	-	167800	839	24	23.01	125.60%	0.075	0.095	-
						LE Tilt	-	166800	834	24	23.34	116.41%	0.018	0.021	-
				50 RB	0	RE Cheek	-	166800	834	24	23.29	117.76%	0.051	0.060	-
						RE Tilt	-	166800	834	24	23.29	117.76%	0.020	0.024	-
						LE Cheek	-	166800	834	24	23.29	117.76%	0.078	0.092	-
						LE Tilt	-	166800	834	24	23.29	117.76%	0.017	0.020	-
				100 RB		RE Cheek	-	166800	834	23.5	22.70	120.23%	0.049	0.059	-
						RE Tilt	-	166800	834	23.5	22.70	120.23%	0.013	0.016	-
						LE Cheek	-	166800	834	23.5	22.70	120.23%	0.069	0.083	-
						LE Tilt	-	166800	834	23.5	22.70	120.23%	0.013	0.016	-
NR n5 (ANT3)	Head	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	166800	834	23.5	22.69	120.50%	0.641	0.772	232
						RE Cheek	-	167300	836.5	23.5	22.23	133.97%	0.563	0.754	-
						RE Cheek	-	167800	839	23.5	22.28	132.43%	0.575	0.761	-
						RE Tilt	-	166800	834	23.5	22.69	120.50%	0.197	0.237	-
						LE Cheek	-	166800	834	23.5	22.69	120.50%	0.541	0.652	-
						LE Tilt	-	166800	834	23.5	22.69	120.50%	0.088	0.106	-
				50 RB	0	RE Cheek	-	166800	834	23.5	22.67	121.06%	0.589	0.713	-
						RE Tilt	-	166800	834	23.5	22.67	121.06%	0.191	0.231	-
						LE Cheek	-	166800	834	23.5	22.67	121.06%	0.535	0.648	-
						LE Tilt	-	166800	834	23.5	22.67	121.06%	0.083	0.100	-
				100 RB		RE Cheek	-	166800	834	23	22.10	123.03%	0.564	0.694	-
						RE Tilt	-	166800	834	23	22.10	123.03%	0.169	0.208	-
						LE Cheek	-	166800	834	23	22.10	123.03%	0.471	0.579	-
						LE Tilt	-	166800	834	23	22.10	123.03%	0.074	0.091	-
NR n7 (ANT2)	Head	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	502000	2510	24	22.31	147.57%	0.201	0.297	-
						RE Cheek	-	507000	2535	24	22.94	127.64%	0.236	0.301	-
						RE Cheek	-	512000	2560	24	22.51	140.93%	0.240	0.338	233
						RE Tilt	-	507000	2535	24	22.94	127.64%	0.053	0.067	-
						LE Cheek	-	507000	2535	24	22.94	127.64%	0.171	0.218	-
						LE Tilt	-	507000	2535	24	22.94	127.64%	0.088	0.112	-
				50 RB	0	RE Cheek	-	507000	2535	24	22.89	129.12%	0.217	0.280	-
						RE Tilt	-	507000	2535	24	22.89	129.12%	0.052	0.067	-
						LE Cheek	-	507000	2535	24	22.89	129.12%	0.164	0.212	-
						LE Tilt	-	507000	2535	24	22.89	129.12%	0.082	0.106	-
				100 RB		RE Cheek	-	507000	2535	23.5	22.34	130.62%	0.205	0.268	-
						RE Tilt	-	507000	2535	23.5	22.34	130.62%	0.044	0.057	-
						LE Cheek	-	507000	2535	23.5	22.34	130.62%	0.122	0.159	-
						LE Tilt	-	507000	2535	23.5	22.34	130.62%	0.075	0.098	-
NR n12 (ANT1)	Head	15MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	141700	708.5	24	23.02	125.31%	0.035	0.043	-
						RE Tilt	-	141700	708.5	24	23.02	125.31%	0.026	0.032	-
						LE Cheek	-	141300	706.5	24	22.94	127.64%	0.037	0.047	-
						LE Cheek	-	141500	707.5	24	22.91	128.53%	0.038	0.049	-
						LE Cheek	-	141700	708.5	24	23.02	125.31%	0.041	0.052	234
						LE Tilt	-	141700	708.5	24	23.02	125.31%	0.033	0.041	-
				36 RB	0	RE Cheek	-	141700	708.5	24	22.95	127.35%	0.033	0.042	-
						RE Tilt	-	141700	708.5	24	22.95	127.35%	0.023	0.029	-
						LE Cheek	-	141700	708.5	24	22.95	127.35%	0.038	0.048	-
						LE Tilt	-	141700	708.5	24	22.95	127.35%	0.031	0.039	-
				75 RB	1	RE Cheek	-	141700	708.5	23.5	22.36	130.02%	0.028	0.036	-
						RE Tilt	-	141700	708.5	23.5	22.36	130.02%	0.021	0.027	-
						LE Cheek	-	141700	708.5	23.5	22.36	130.02%	0.033	0.043	-
						LE Tilt	-	141700	708.5	23.5	22.36	130.02%	0.029	0.038	-

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5NR n12 / n25 / n38 / n66

Band	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	
NR n12 (ANT3)	Head	15MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	141300	706.5	23.5	22.31	131.52%	0.629	0.827	235
						RE Cheek	-	141500	707.5	23.5	22.32	131.22%	0.544	0.714	-
						RE Cheek	-	141700	708.5	23.5	22.16	136.14%	0.550	0.749	-
						RE Tilt	-	141500	707.5	23.5	22.32	131.22%	0.173	0.227	-
						LE Cheek	-	141500	707.5	23.5	22.32	131.22%	0.454	0.596	-
						LE Tilt	-	141500	707.5	23.5	22.32	131.22%	0.061	0.080	-
				36 RB	0	RE Cheek	-	141500	707.5	23.5	22.27	132.74%	0.495	0.657	-
						RE Tilt	-	141500	707.5	23.5	22.27	132.74%	0.157	0.208	-
						LE Cheek	-	141500	707.5	23.5	22.27	132.74%	0.444	0.589	-
						LE Tilt	-	141500	707.5	23.5	22.27	132.74%	0.057	0.076	-
				75 RB	1	RE Cheek	-	141500	707.5	23	21.77	132.74%	0.484	0.642	-
						RE Tilt	-	141500	707.5	23	21.77	132.74%	0.140	0.186	-
						LE Cheek	-	141500	707.5	23	21.77	132.74%	0.394	0.523	-
						LE Tilt	-	141500	707.5	23	21.77	132.74%	0.055	0.073	-
NR n25 (ANT2)	Head	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	372000	1860	24	22.19	151.71%	0.071	0.107	-
						RE Cheek	-	376500	1882.5	24	22.21	151.01%	0.078	0.117	-
						RE Cheek	-	381000	1905	24	22.24	149.97%	0.092	0.138	236
						RE Tilt	-	381000	1905	24	22.24	149.97%	0.015	0.023	-
						LE Cheek	-	381000	1905	24	22.24	149.97%	0.041	0.062	-
						LE Tilt	-	381000	1905	24	22.24	149.97%	0.027	0.041	-
				50 RB	0	RE Cheek	-	381000	1905	24	22.17	152.41%	0.083	0.126	-
						RE Tilt	-	381000	1905	24	22.17	152.41%	0.013	0.020	-
						LE Cheek	-	381000	1905	24	22.17	152.41%	0.040	0.061	-
						LE Tilt	-	381000	1905	24	22.17	152.41%	0.024	0.037	-
				100 RB		RE Cheek	-	381000	1905	23.5	21.67	152.41%	0.082	0.125	-
						RE Tilt	-	381000	1905	23.5	21.67	152.41%	0.013	0.020	-
						LE Cheek	-	381000	1905	23.5	21.67	152.41%	0.035	0.053	-
						LE Tilt	-	381000	1905	23.5	21.67	152.41%	0.023	0.035	-
NR n38 (ANT2)	Head	40MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	518000	2590	24	23.03	125.03%	0.275	0.344	-
						RE Cheek	-	519000	2595	24	22.87	129.72%	0.290	0.376	-
						RE Cheek	-	520000	2600	24	22.83	130.92%	0.333	0.436	237
						RE Tilt	-	518000	2590	24	23.03	125.03%	0.065	0.081	-
						LE Cheek	-	518000	2590	24	23.03	125.03%	0.148	0.185	-
						LE Tilt	-	518000	2590	24	23.03	125.03%	0.101	0.126	-
				108 RB	0	RE Cheek	-	518000	2590	24	22.96	127.06%	0.264	0.335	-
						RE Tilt	-	518000	2590	24	22.96	127.06%	0.061	0.078	-
						LE Cheek	-	518000	2590	24	22.96	127.06%	0.140	0.178	-
						LE Tilt	-	518000	2590	24	22.96	127.06%	0.098	0.125	-
				216 RB		RE Cheek	-	518000	2590	23.5	22.46	127.06%	0.252	0.320	-
						RE Tilt	-	518000	2590	23.5	22.46	127.06%	0.057	0.072	-
						LE Cheek	-	518000	2590	23.5	22.46	127.06%	0.127	0.161	-
						LE Tilt	-	518000	2590	23.5	22.46	127.06%	0.086	0.109	-
NR n66 (ANT2)	Head	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	344000	1720	24	22.87	129.72%	0.043	0.056	-
						RE Cheek	-	349000	1745	24	22.61	137.72%	0.053	0.072	-
						RE Cheek	-	354000	1770	24	22.69	135.21%	0.066	0.090	238
						RE Tilt	-	344000	1720	24	22.87	129.72%	0.009	0.012	-
						LE Cheek	-	344000	1720	24	22.87	129.72%	0.021	0.028	-
						LE Tilt	-	344000	1720	24	22.87	129.72%	0.006	0.007	-
				50 RB	0	RE Cheek	-	344000	1720	24	22.77	132.74%	0.038	0.050	-
						RE Tilt	-	344000	1720	24	22.77	132.74%	0.008	0.011	-
						LE Cheek	-	344000	1720	24	22.77	132.74%	0.021	0.028	-
						LE Tilt	-	344000	1720	24	22.77	132.74%	0.005	0.007	-
				100 RB		RE Cheek	-	344000	1720	23.5	22.34	130.62%	0.033	0.043	-
						RE Tilt	-	344000	1720	23.5	22.34	130.62%	0.005	0.007	-
						LE Cheek	-	344000	1720	23.5	22.34	130.62%	0.015	0.020	-
						LE Tilt	-	344000	1720	23.5	22.34	130.62%	0.003	0.004	-

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5NR n77

Band	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	
NR n77 (ANT4)	Head	100MHz	SCS 30kHz PI/2 BPSK	1 RB	1	RE Cheek	-	650000	3750	15.5	15.48	100.46%	1.110	1.115	239
						RE Cheek*	-	650000	3750	15.5	15.48	100.46%	1.100	1.105	-
						RE Cheek	-	652400	3786	15.5	15.33	103.99%	0.997	1.037	-
						RE Cheek	-	654800	3822	15.5	15.31	104.47%	0.910	0.951	-
						RE Cheek	-	657200	3858	15.5	15.28	105.20%	0.592	0.623	-
						RE Cheek	-	659600	3894	15.5	15.44	101.39%	0.492	0.499	-
						RE Cheek	-	662000	3930	15.5	15.41	102.09%	0.470	0.480	-
						RE Tilt	-	650000	3750	15.5	15.48	100.46%	0.680	0.683	-
						LE Cheek	-	650000	3750	15.5	15.48	100.46%	0.217	0.218	-
						LE Tilt	-	650000	3750	15.5	15.48	100.46%	0.167	0.168	-
				135 RB	0	RE Cheek	-	650000	3750	15.5	15.38	102.80%	1.080	1.110	-
						RE Cheek	-	652400	3786	15.5	15.28	105.20%	0.927	0.975	-
						RE Cheek	-	654800	3822	15.5	15.21	106.91%	0.873	0.933	-
						RE Cheek	-	657200	3858	15.5	15.25	105.93%	0.552	0.585	-
						RE Cheek	-	659600	3894	15.5	15.34	103.75%	0.472	0.490	-
						RE Cheek	-	662000	3930	15.5	15.36	103.28%	0.437	0.451	-
						RE Tilt	-	650000	3750	15.5	15.38	102.80%	0.639	0.657	-
						LE Cheek	-	650000	3750	15.5	15.38	102.80%	0.197	0.203	-
						LE Tilt	-	650000	3750	15.5	15.38	102.80%	0.161	0.166	-
				270 RB		RE Cheek	-	650000	3750	15.5	15.45	101.16%	0.992	1.003	-
						RE Cheek	-	652400	3786	15.5	15.28	105.20%	0.897	0.944	-
						RE Cheek	-	654800	3822	15.5	15.13	108.89%	0.846	0.921	-
						RE Cheek	-	657200	3858	15.5	15.24	106.17%	0.509	0.540	-
						RE Cheek	-	659600	3894	15.5	15.36	103.28%	0.413	0.427	-
						RE Cheek	-	662000	3930	15.5	15.36	103.28%	0.411	0.424	-
						RE Tilt	-	650000	3750	15.5	15.45	101.16%	0.591	0.598	-
						LE Cheek	-	650000	3750	15.5	15.45	101.16%	0.189	0.191	-
						LE Tilt	-	650000	3750	15.5	15.45	101.16%	0.147	0.149	-
NR n77 (ANT5)	Head	100MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	650000	3750	18	17.72	106.66%	0.641	0.684	-
						RE Cheek	-	652400	3786	18	17.88	102.80%	0.852	0.876	-
						RE Cheek	-	654800	3822	18	17.91	102.09%	0.859	0.877	-
						RE Cheek	-	657200	3858	18	17.79	104.95%	1.120	1.175	240
						RE Cheek*	-	657200	3858	18	17.79	104.95%	1.090	1.144	-
						RE Cheek	-	659600	3894	18	17.93	101.62%	0.720	0.732	-
						RE Cheek	-	662000	3930	18	17.88	102.80%	0.502	0.516	-
						RE Tilt	-	659600	3894	18	17.93	101.62%	0.632	0.642	-
						LE Cheek	-	659600	3894	18	17.93	101.62%	0.230	0.234	-
						LE Tilt	-	659600	3894	18	17.93	101.62%	0.195	0.198	-
				135 RB	0	RE Cheek	-	659600	3894	18	17.87	103.04%	0.662	0.682	-
						RE Tilt	-	659600	3894	18	17.87	103.04%	0.581	0.599	-
						LE Cheek	-	659600	3894	18	17.87	103.04%	0.218	0.225	-
						LE Tilt	-	659600	3894	18	17.87	103.04%	0.187	0.193	-
				270 RB		RE Cheek	-	659600	3894	18	17.90	102.33%	0.597	0.611	-
						RE Tilt	-	659600	3894	18	17.90	102.33%	0.524	0.536	-
						LE Cheek	-	659600	3894	18	17.90	102.33%	0.193	0.197	-
						LE Tilt	-	659600	3894	18	17.90	102.33%	0.159	0.163	-

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

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Head with WLAN

GSM 850

Band	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	
GSM 850 (ANT3)	Re Cheek	-	128	824.2	32.00	31.74	106.17%	0.518	0.550	-
	Re Cheek	-	190	836.6	32.00	31.99	100.23%	0.702	0.704	-
	Re Cheek	-	251	848.8	32.00	31.95	101.16%	0.747	0.756	241
	Re Tilt	-	190	836.6	32.00	31.99	100.23%	0.242	0.243	-
	Le Cheek	-	190	836.6	32.00	31.99	100.23%	0.372	0.373	-
	Le Tilt	-	190	836.6	32.00	31.99	100.23%	0.152	0.152	-

WCDMA Band V

Band	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 (ANT3)	Re Cheek	-	4132	826.4	23.00	22.71	106.91%	0.294	0.314	-
	Re Cheek	-	4183	836.6	23.00	22.87	103.04%	0.442	0.455	-
	Re Cheek	-	4233	846.6	23.00	22.62	109.14%	0.698	0.762	242
	Re Tilt	-	4183	836.6	23.00	22.87	103.04%	0.158	0.163	-
	Le Cheek	-	4183	836.6	23.00	22.87	103.04%	0.335	0.345	-
	Le Tilt	-	4183	836.6	23.00	22.87	103.04%	0.124	0.128	-

LTE Band 26 / 71

Band	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 (ANT3)	Head	15MHz	QPSK	1 RB	0	RE Cheek	-	26765	821.5	23	22.29	117.76%	0.424	0.499	-
						RE Cheek	-	26865	831.5	23	22.21	119.95%	0.480	0.576	-
						RE Cheek	-	26965	841.5	23	22.02	125.31%	0.585	0.733	243
						RE Tilt	-	26765	821.5	23	22.29	117.76%	0.171	0.201	-
						LE Cheek	-	26765	821.5	23	22.29	117.76%	0.316	0.372	-
						LE Tilt	-	26765	821.5	23	22.29	117.76%	0.110	0.130	-
				36 RB	0	RE Cheek	-	26765	821.5	22	21.47	112.98%	0.313	0.354	-
						RE Tilt	-	26765	821.5	22	21.47	112.98%	0.128	0.145	-
						LE Cheek	-	26765	821.5	22	21.47	112.98%	0.233	0.263	-
						LE Tilt	-	26765	821.5	22	21.47	112.98%	0.086	0.097	-
				75 RB		RE Cheek	-	26765	821.5	22	21.42	114.29%	0.334	0.382	-
						RE Tilt	-	26765	821.5	22	21.42	114.29%	0.131	0.150	-
						LE Cheek	-	26765	821.5	22	21.42	114.29%	0.243	0.278	-
						LE Tilt	-	26765	821.5	22	21.42	114.29%	0.084	0.096	-
LTE Band 71 (ANT3)	Head	20MHz	QPSK	1 RB	0	RE Cheek	-	133222	673	22.5	22.27	105.44%	0.643	0.678	-
						RE Cheek	-	133297	680.5	22.5	22.35	103.51%	0.680	0.704	-
						RE Cheek	-	133372	688	22.5	22.33	103.99%	0.704	0.732	244
						RE Tilt	-	133297	680.5	22.5	22.35	103.51%	0.233	0.241	-
						LE Cheek	-	133297	680.5	22.5	22.35	103.51%	0.558	0.578	-
						LE Tilt	-	133297	680.5	22.5	22.35	103.51%	0.006	0.006	-
				50 RB	0	RE Cheek	-	133297	680.5	21.5	21.33	103.99%	0.503	0.523	-
						RE Tilt	-	133297	680.5	21.5	21.33	103.99%	0.179	0.186	-
						LE Cheek	-	133297	680.5	21.5	21.33	103.99%	0.393	0.409	-
						LE Tilt	-	133297	680.5	21.5	21.33	103.99%	0.004	0.004	-
				100 RB		RE Cheek	-	133297	680.5	21.5	21.33	103.99%	0.476	0.495	-
						RE Tilt	-	133297	680.5	21.5	21.33	103.99%	0.172	0.179	-
						LE Cheek	-	133297	680.5	21.5	21.33	103.99%	0.429	0.446	-
						LE Tilt	-	133297	680.5	21.5	21.33	103.99%	0.002	0.002	-

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5NR n12 / n77

Band	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	
NR n12 (ANT3)	Head	15MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	141300	706.5	23	22.31	117.22%	0.629	0.737	245
						RE Cheek	-	141500	707.5	23	22.32	116.95%	0.544	0.636	-
						RE Cheek	-	141700	708.5	23	22.16	121.34%	0.550	0.667	-
						RE Tilt	-	141500	707.5	23	22.32	116.95%	0.173	0.202	-
						LE Cheek	-	141500	707.5	23	22.32	116.95%	0.454	0.531	-
						LE Tilt	-	141500	707.5	23	22.32	116.95%	0.061	0.071	-
				36 RB	0	RE Cheek	-	141500	707.5	23	22.27	118.30%	0.495	0.586	-
						RE Tilt	-	141500	707.5	23	22.27	118.30%	0.157	0.186	-
						LE Cheek	-	141500	707.5	23	22.27	118.30%	0.444	0.525	-
						LE Tilt	-	141500	707.5	23	22.27	118.30%	0.057	0.067	-
				75 RB		RE Cheek	-	141500	707.5	22.5	21.77	118.30%	0.484	0.573	-
						RE Tilt	-	141500	707.5	22.5	21.77	118.30%	0.140	0.166	-
						LE Cheek	-	141500	707.5	22.5	21.77	118.30%	0.394	0.466	-
						LE Tilt	-	141500	707.5	22.5	21.77	118.30%	0.055	0.065	-
NR n77 (ANT4)	Head	100MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	650000	3750	13.5	13.47	100.69%	0.702	0.707	246
						RE Cheek	-	652400	3786	13.5	13.38	102.80%	0.651	0.669	-
						RE Cheek	-	654800	3822	13.5	13.36	103.28%	0.612	0.632	-
						RE Cheek	-	657200	3858	13.5	13.44	101.39%	0.396	0.402	-
						RE Cheek	-	659600	3894	13.5	13.42	101.86%	0.319	0.325	-
						RE Cheek	-	662000	3930	13.5	13.37	103.04%	0.326	0.336	-
						RE Tilt	-	650000	3750	13.5	13.47	100.69%	0.437	0.440	-
						LE Cheek	-	650000	3750	13.5	13.47	100.69%	0.132	0.133	-
						LE Tilt	-	650000	3750	13.5	13.47	100.69%	0.108	0.109	-
				135 RB	0	RE Cheek	-	650000	3750	13.5	13.40	102.33%	0.624	0.639	-
						RE Tilt	-	650000	3750	13.5	13.40	102.33%	0.406	0.415	-
						LE Cheek	-	650000	3750	13.5	13.40	102.33%	0.126	0.129	-
						LE Tilt	-	650000	3750	13.5	13.40	102.33%	0.096	0.098	-
				270 RB		RE Cheek	-	650000	3750	13.5	13.46	100.93%	0.673	0.679	-
						RE Tilt	-	650000	3750	13.5	13.46	100.93%	0.432	0.436	-
						LE Cheek	-	650000	3750	13.5	13.46	100.93%	0.121	0.122	-
						LE Tilt	-	650000	3750	13.5	13.46	100.93%	0.101	0.102	-
NR n77 (ANT5)	Head	100MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	RE Cheek	-	650000	3750	16	15.92	101.86%	0.454	0.462	-
						RE Cheek	-	652400	3786	16	15.85	103.51%	0.552	0.571	-
						RE Cheek	-	654800	3822	16	15.91	102.09%	0.551	0.563	-
						RE Cheek	-	657200	3858	16	15.87	103.04%	0.740	0.762	247
						RE Cheek	-	659600	3894	16	15.99	100.23%	0.473	0.474	-
						RE Cheek	-	662000	3930	16	15.85	103.51%	0.356	0.369	-
						RE Tilt	-	659600	3894	16	15.99	100.23%	0.409	0.410	-
						LE Cheek	-	659600	3894	16	15.99	100.23%	0.141	0.141	-
						LE Tilt	-	659600	3894	16	15.99	100.23%	0.122	0.122	-
				135 RB	0	RE Cheek	-	659600	3894	16	15.98	100.46%	0.458	0.460	-
						RE Tilt	-	659600	3894	16	15.98	100.46%	0.388	0.390	-
						LE Cheek	-	659600	3894	16	15.98	100.46%	0.135	0.136	-
						LE Tilt	-	659600	3894	16	15.98	100.46%	0.112	0.113	-
				270 RB		RE Cheek	-	659600	3894	16	15.90	102.33%	0.454	0.465	-
						RE Tilt	-	659600	3894	16	15.90	102.33%	0.404	0.413	-
						LE Cheek	-	659600	3894	16	15.90	102.33%	0.136	0.139	-
						LE Tilt	-	659600	3894	16	15.90	102.33%	0.119	0.122	-

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Body-worn

GPRS850 / 1900

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	
GSM 850 (ANT1)	Front side	15	190	836.6	33.5	32.84	116.41%	0.092	0.107	-
	Back side	15	128	824.2	33.5	32.23	133.97%	0.093	0.125	-
	Back side	15	190	836.6	33.5	32.84	116.41%	0.095	0.111	248
	Back side	15	251	848.8	33.5	32.70	120.23%	0.076	0.092	-
GSM 850 (ANT3)	Front side	15	128	824.2	33.0	31.22	150.66%	0.155	0.234	-
	Front side	15	190	836.6	33.0	32.06	124.17%	0.169	0.210	249
	Front side	15	251	848.8	33.0	31.96	127.06%	0.147	0.187	-
	Back side	15	190	836.6	33.0	32.06	124.17%	0.128	0.159	-
GSM 1900 (ANT2)	Front side	15	512	1850.2	30.5	29.20	134.90%	0.045	0.061	-
	Front side	15	661	1880	30.5	29.41	128.53%	0.063	0.081	250
	Front side	15	661	1880	30.5	29.41	128.53%	0.037	0.048	-
	Back side	15	661	1880	30.5	29.41	128.53%	0.057	0.074	-

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Hotspot mode

GPRS850

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	
GPRS 850 <1Dn2Up> (Hotspot) (ANT1)	Front side	10	128	824.2	33.5	32.23	133.97%	0.279	0.374	-
	Front side	10	190	836.6	33.5	32.84	116.41%	0.325	0.378	251
	Front side	10	251	848.8	33.5	32.70	120.23%	0.290	0.349	-
	Back side	10	190	836.6	33.5	32.84	116.41%	0.319	0.371	-
	Top side	10	190	836.6	33.5	32.84	116.41%	0.004	0.005	-
	Bottom side	10	190	836.6	33.5	32.84	116.41%	0.194	0.226	-
	Right side	10	190	836.6	33.5	32.84	116.41%	0.052	0.061	-
	Left side	10	190	836.6	33.5	32.84	116.41%	0.201	0.234	-
GPRS 850 <1Dn2Up> (Hotspot) (ANT3)	Front side	10	128	824.2	33.0	31.22	150.66%	0.167	0.252	-
	Front side	10	190	836.6	33.0	32.06	124.17%	0.308	0.382	-
	Front side	10	251	848.8	33.0	31.96	127.06%	0.324	0.412	252
	Back side	10	190	836.6	33.0	32.06	124.17%	0.182	0.226	-
	Top side	10	190	836.6	33.0	32.06	124.17%	0.008	0.010	-
	Bottom side	10	190	836.6	33.0	32.06	124.17%	0.011	0.014	-
	Right side	10	190	836.6	33.0	32.06	124.17%	0.241	0.299	-
	Left side	10	190	836.6	33.0	32.06	124.17%	0.031	0.039	-
GPRS 1900 <1Dn2Up> (Hotspot) (ANT2)	Front side	10	661	1880	30.5	29.41	128.53%	0.180	0.231	-
	Back side	10	661	1880	30.5	29.41	128.53%	0.202	0.260	-
	Top side	10	661	1880	30.5	29.41	128.53%	0.024	0.031	-
	Bottom side	10	512	1850.2	30.5	29.20	134.90%	0.370	0.499	-
	Bottom side	10	661	1880	30.5	29.41	128.53%	0.484	0.622	253
	Bottom side	10	810	1909.8	30.5	29.16	136.14%	0.451	0.614	-
	Right side	10	661	1880	30.5	29.41	128.53%	0.057	0.073	-
	Left side	10	661	1880	30.5	29.41	128.53%	0.041	0.053	-

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WCDMA Band II / IV / V

Band	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 (ANT2)	Front side	10	9538	1907.6	24.5	23.09	138.36%	0.224	0.310	-
	Back side	10	9538	1907.6	24.5	23.09	138.36%	0.297	0.411	-
	Top side	10	9538	1907.6	24.5	23.09	138.36%	0.023	0.032	-
	Bottom side	10	9262	1852.4	24.5	22.54	157.04%	0.281	0.441	-
	Bottom side	10	9400	1880	24.5	22.73	150.31%	0.334	0.502	-
	Bottom side	10	9538	1907.6	24.5	23.09	138.36%	0.417	0.577	254
	Right side	10	9538	1907.6	24.5	23.09	138.36%	0.096	0.133	-
	Left side	10	9538	1907.6	24.5	23.09	138.36%	0.042	0.058	-
WCDMA Band IV (ANT2)	Front side	10	1513	1752.6	24.5	23.47	126.77%	0.184	0.233	-
	Back side	10	1513	1752.6	24.5	23.47	126.77%	0.263	0.333	-
	Top side	10	1513	1752.6	24.5	23.47	126.77%	0.021	0.027	-
	Bottom side	10	1312	1712.4	24.5	23.31	131.52%	0.321	0.422	-
	Bottom side	10	1412	1732.4	24.5	23.03	140.28%	0.348	0.488	255
	Bottom side	10	1513	1752.6	24.5	23.47	126.77%	0.311	0.394	-
	Right side	10	1513	1752.6	24.5	23.47	126.77%	0.087	0.110	-
	Left side	10	1513	1752.6	24.5	23.47	126.77%	0.035	0.044	-
WCDMA Band V (ANT1)	Front side	10	4183	836.6	24.5	23.89	115.08%	0.098	0.113	-
	Back side	10	4183	836.6	24.5	23.89	115.08%	0.106	0.122	-
	Top side	10	4183	836.6	24.5	23.89	115.08%	0.004	0.005	-
	Bottom side	10	4132	826.4	24.5	23.74	119.12%	0.145	0.173	256
	Bottom side	10	4183	836.6	24.5	23.89	115.08%	0.132	0.152	-
	Bottom side	10	4233	846.6	24.5	23.68	120.78%	0.129	0.156	-
	Right side	10	4183	836.6	24.5	23.89	115.08%	0.007	0.009	-
	Left side	10	4183	836.6	24.5	23.89	115.08%	0.117	0.135	-
WCDMA Band V (ANT3)	Front side	10	4183	836.6	23.5	22.87	115.61%	0.221	0.256	-
	Back side	10	4183	836.6	23.5	22.87	115.61%	0.106	0.123	-
	Top side	10	4183	836.6	23.5	22.87	115.61%	0.032	0.037	-
	Bottom side	10	4183	836.6	23.5	22.87	115.61%	0.008	0.009	-
	Right side	10	4132	826.4	23.5	22.71	119.95%	0.320	0.384	-
	Right side	10	4183	836.6	23.5	22.87	115.61%	0.283	0.327	-
	Right side	10	4233	846.6	23.5	22.62	122.46%	0.420	0.514	257
	Left side	10	4183	836.6	23.5	22.87	115.61%	0.026	0.030	-

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LTE Band 2 / 4 / 5

Band	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 (ANT2)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	19100	1900	24	22.42	143.88%	0.148	0.213	-
						Back side	10	19100	1900	24	22.42	143.88%	0.184	0.265	-
						Top side	10	19100	1900	24	22.42	143.88%	0.012	0.017	-
						Bottom side	10	18700	1860	24	22.38	145.21%	0.264	0.383	-
						Bottom side	10	18900	1880	24	22.38	145.21%	0.321	0.466	-
						Bottom side	10	19100	1900	24	22.42	143.88%	0.328	0.472	258
						Right side	10	19100	1900	24	22.42	143.88%	0.042	0.060	-
						Left side	10	19100	1900	24	22.42	143.88%	0.038	0.055	-
				50 RB	0	Front side	10	19100	1900	23	21.62	137.40%	0.112	0.154	-
						Back side	10	19100	1900	23	21.62	137.40%	0.141	0.194	-
						Top side	10	19100	1900	23	21.62	137.40%	0.009	0.012	-
						Bottom side	10	19100	1900	23	21.62	137.40%	0.239	0.328	-
						Right side	10	19100	1900	23	21.62	137.40%	0.031	0.043	-
						Left side	10	19100	1900	23	21.62	137.40%	0.028	0.038	-
				100 RB		Front side	10	19100	1900	23	21.49	141.58%	0.118	0.167	-
						Back side	10	19100	1900	23	21.49	141.58%	0.128	0.181	-
						Top side	10	19100	1900	23	21.49	141.58%	0.004	0.006	-
						Bottom side	10	19100	1900	23	21.49	141.58%	0.255	0.361	-
						Right side	10	19100	1900	23	21.49	141.58%	0.026	0.037	-
						Left side	10	19100	1900	23	21.49	141.58%	0.022	0.031	-
LTE Band 4 (ANT2)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	20300	1745	24	22.51	140.93%	0.127	0.179	-
						Back side	10	20300	1745	24	22.51	140.93%	0.166	0.234	-
						Top side	10	20300	1745	24	22.51	140.93%	0.014	0.020	-
						Bottom side	10	20050	1720	24	22.34	146.55%	0.282	0.413	259
						Bottom side	10	20175	1732.5	24	22.38	145.21%	0.272	0.395	-
						Bottom side	10	20300	1745	24	22.51	140.93%	0.234	0.330	-
						Right side	10	20300	1745	24	22.51	140.93%	0.053	0.075	-
						Left side	10	20300	1745	24	22.51	140.93%	0.022	0.031	-
				50 RB	0	Front side	10	20300	1745	23	21.57	139.00%	0.099	0.138	-
						Back side	10	20300	1745	23	21.57	139.00%	0.134	0.186	-
						Top side	10	20300	1745	23	21.57	139.00%	0.011	0.015	-
						Bottom side	10	20300	1745	23	21.57	139.00%	0.219	0.304	-
						Right side	10	20300	1745	23	21.57	139.00%	0.039	0.054	-
						Left side	10	20300	1745	23	21.57	139.00%	0.015	0.021	-
				100 RB		Front side	10	20300	1745	23	21.44	143.22%	0.095	0.136	-
						Back side	10	20300	1745	23	21.44	143.22%	0.129	0.185	-
						Top side	10	20300	1745	23	21.44	143.22%	0.006	0.009	-
						Bottom side	10	20300	1745	23	21.44	143.22%	0.208	0.298	-
						Right side	10	20300	1745	23	21.44	143.22%	0.042	0.060	-
						Left side	10	20300	1745	23	21.44	143.22%	0.011	0.016	-
LTE Band 5 (ANT1)	Hotspot	10MHz	QPSK	1 RB	0	Front side	10	20450	829	24	23.20	120.23%	0.077	0.093	-
						Back side	10	20450	829	24	23.20	120.23%	0.058	0.070	-
						Top side	10	20450	829	24	23.20	120.23%	0.015	0.018	-
						Bottom side	10	20450	829	24	23.20	120.23%	0.111	0.133	-
						Bottom side	10	20525	836.5	24	23.05	124.45%	0.119	0.148	260
						Bottom side	10	20600	844	24	22.95	127.35%	0.108	0.138	-
						Right side	10	20450	829	24	23.20	120.23%	0.018	0.021	-
						Left side	10	20450	829	24	23.20	120.23%	0.101	0.121	-
				25 RB	0	Front side	10	20450	829	23	22.27	118.30%	0.059	0.070	-
						Back side	10	20450	829	23	22.27	118.30%	0.045	0.053	-
						Top side	10	20450	829	23	22.27	118.30%	0.011	0.013	-
						Bottom side	10	20450	829	23	22.27	118.30%	0.084	0.099	-
						Right side	10	20450	829	23	22.27	118.30%	0.007	0.008	-
						Left side	10	20450	829	23	22.27	118.30%	0.062	0.073	-
				50 RB		Front side	10	20450	829	23	22.23	119.40%	0.051	0.061	-
						Back side	10	20450	829	23	22.23	119.40%	0.031	0.037	-
						Top side	10	20450	829	23	22.23	119.40%	0.009	0.011	-
						Bottom side	10	20450	829	23	22.23	119.40%	0.089	0.106	-
						Right side	10	20450	829	23	22.23	119.40%	0.013	0.016	-
						Left side	10	20450	829	23	22.23	119.40%	0.076	0.091	-
LTE Band 5 (ANT3)	Hotspot	10MHz	QPSK	1 RB	0	Front side	10	20450	829	23.5	22.27	132.74%	0.114	0.151	-
						Back side	10	20450	829	23.5	22.27	132.74%	0.096	0.127	-
						Top side	10	20450	829	23.5	22.27	132.74%	0.029	0.039	-
						Bottom side	10	20450	829	23.5	22.27	132.74%	0.005	0.007	-
						Right side	10	20450	829	23.5	22.27	132.74%	0.251	0.333	-
						Right side	10	20525	836.5	23.5	22.19	135.21%	0.259	0.350	261
						Right side	10	20600	844	23.5	22.12	137.40%	0.235	0.323	-
						Left side	10	20450	829	23.5	22.27	132.74%	0.025	0.033	-
				25 RB	0	Front side	10	20450	829	22.5	21.47	126.77%	0.075	0.095	-
						Back side	10	20450	829	22.5	21.47	126.77%	0.064	0.081	-
						Top side	10	20450	829	22.5	21.47	126.77%	0.015	0.019	-
						Bottom side	10	20450	829	22.5	21.47	126.77%	0.003	0.004	-
						Right side	10	20450	829	22.5	21.47	126.77%	0.191	0.242	-
						Left side	10	20450	829	22.5	21.47	126.77%	0.019	0.024	-
				50 RB		Front side	10	20450	829	22.5	21.39	129.12%	0.084	0.108	-
						Back side	10	20450	829	22.5	21.39	129.12%	0.073	0.094	-
						Top side	10	20450	829	22.5	21.39	129.12%	0.023	0.030	-
						Bottom side	10	20450	829	22.5	21.39	129.12%	0.002	0.003	-
						Right side	10	20450	829	22.5	21.39	129.12%	0.202	0.261	-
						Left side	10	20450	829	22.5	21.39	129.12%	0.012	0.015	-

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LTE Band 7 / 12

Band	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 (ANT1)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	21100	2535	24	22.91	128.53%	0.288	0.370	-
						Back side	10	21100	2535	24	22.91	128.53%	0.253	0.325	-
						Top side	10	21100	2535	24	22.91	128.53%	0.021	0.027	-
						Bottom side	10	20850	2510	24	22.56	139.32%	0.502	0.699	-
						Bottom side	10	21100	2535	24	22.91	128.53%	0.538	0.691	262
						Bottom side	10	21350	2560	24	22.52	140.60%	0.490	0.689	-
						Right side	10	21100	2535	24	22.91	128.53%	0.036	0.046	-
						Left side	10	21100	2535	24	22.91	128.53%	0.478	0.614	-
				50 RB	0	Front side	10	21100	2535	23	21.83	130.92%	0.204	0.267	-
						Back side	10	21100	2535	23	21.83	130.92%	0.192	0.251	-
						Top side	10	21100	2535	23	21.83	130.92%	0.011	0.014	-
						Bottom side	10	21100	2535	23	21.83	130.92%	0.398	0.521	-
						Right side	10	21100	2535	23	21.83	130.92%	0.022	0.029	-
						Left side	10	21100	2535	23	21.83	130.92%	0.372	0.487	-
				100 RB		Front side	10	21100	2535	23	21.85	130.32%	0.218	0.284	-
						Back side	10	21100	2535	23	21.85	130.32%	0.187	0.244	-
						Top side	10	21100	2535	23	21.85	130.32%	0.016	0.021	-
						Bottom side	10	21100	2535	23	21.85	130.32%	0.403	0.525	-
						Right side	10	21100	2535	23	21.85	130.32%	0.026	0.034	-
						Left side	10	21100	2535	23	21.85	130.32%	0.334	0.435	-
LTE Band 7 (ANT2)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	21350	2560	24	22.64	136.77%	0.406	0.555	-
						Back side	10	21350	2560	24	22.64	136.77%	0.412	0.564	-
						Top side	10	21350	2560	24	22.64	136.77%	0.037	0.050	-
						Bottom side	10	20850	2510	24	22.22	150.66%	0.637	0.960	-
						Bottom side	10	21100	2535	24	22.51	140.93%	0.698	0.984	-
						Bottom side	10	21350	2560	24	22.64	136.77%	0.749	1.024	263
						Right side	10	21350	2560	24	22.64	136.77%	0.105	0.144	-
						Left side	10	21350	2560	24	22.64	136.77%	0.046	0.063	-
				50 RB	0	Front side	10	21350	2560	23	21.77	132.74%	0.288	0.382	-
						Back side	10	21350	2560	23	21.77	132.74%	0.317	0.421	-
						Top side	10	21350	2560	23	21.77	132.74%	0.029	0.038	-
						Bottom side	10	21350	2560	23	21.77	132.74%	0.561	0.745	-
						Right side	10	21350	2560	23	21.77	132.74%	0.085	0.113	-
						Left side	10	21350	2560	23	21.77	132.74%	0.031	0.041	-
				100 RB		Front side	10	21350	2560	23	21.83	130.92%	0.292	0.382	-
						Back side	10	21350	2560	23	21.83	130.92%	0.304	0.398	-
						Top side	10	21350	2560	23	21.83	130.92%	0.022	0.029	-
						Bottom side	10	21350	2560	23	21.83	130.92%	0.531	0.695	-
						Right side	10	21350	2560	23	21.83	130.92%	0.076	0.099	-
						Left side	10	21350	2560	23	21.83	130.92%	0.035	0.046	-
CA_7C	Hotspot	20MHz	QPSK	1 RB	0	Bottom side	10	21350	2560	24	22.44	143.22%	0.653	0.935	-
LTE Band 12 (ANT1)	Hotspot	10MHz	QPSK	1 RB	0	Front side	10	23130	711	24	23.23	119.40%	0.037	0.044	-
						Back side	10	23130	711	24	23.23	119.40%	0.059	0.070	-
						Top side	10	23130	711	24	23.23	119.40%	0.002	0.003	-
						Bottom side	10	23060	704	24	23.08	123.59%	0.053	0.065	-
						Bottom side	10	23095	707.5	24	23.18	120.78%	0.062	0.075	-
						Bottom side	10	23130	711	24	23.23	119.40%	0.066	0.079	264
						Right side	10	23130	711	24	23.23	119.40%	0.036	0.043	-
						Left side	10	23130	711	24	23.23	119.40%	0.064	0.076	-
				25 RB	0	Front side	10	23130	711	23	22.25	118.85%	0.022	0.026	-
						Back side	10	23130	711	23	22.25	118.85%	0.041	0.049	-
						Top side	10	23130	711	23	22.25	118.85%	0.001	0.001	-
						Bottom side	10	23130	711	23	22.25	118.85%	0.052	0.062	-
						Right side	10	23130	711	23	22.25	118.85%	0.022	0.026	-
						Left side	10	23130	711	23	22.25	118.85%	0.048	0.057	-
				50 RB		Front side	10	23130	711	23	22.22	119.67%	0.028	0.034	-
						Back side	10	23130	711	23	22.22	119.67%	0.047	0.056	-
						Top side	10	23130	711	23	22.22	119.67%	0.001	0.001	-
						Bottom side	10	23130	711	23	22.22	119.67%	0.042	0.050	-
						Right side	10	23130	711	23	22.22	119.67%	0.027	0.032	-
						Left side	10	23130	711	23	22.22	119.67%	0.042	0.050	-

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LTE Band 12 / 17

Band	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 (ANT3)	Hotspot	10MHz	QPSK	1 RB	0	Front side	10	23130	711	23.5	22.35	130.32%	0.122	0.159	-
						Back side	10	23130	711	23.5	22.35	130.32%	0.103	0.134	-
						Top side	10	23130	711	23.5	22.35	130.32%	0.014	0.018	-
						Bottom side	10	23130	711	23.5	22.35	130.32%	0.016	0.020	-
						Right side	10	23060	704	23.5	22.26	133.05%	0.122	0.162	-
						Right side	10	23095	707.5	23.5	22.32	131.22%	0.132	0.173	-
						Right side	10	23130	711	23.5	22.35	130.32%	0.144	0.188	265
						Left side	10	23130	711	23.5	22.35	130.32%	0.019	0.025	-
				25 RB	0	Front side	10	23130	711	22.5	21.56	124.17%	0.085	0.106	-
						Back side	10	23130	711	22.5	21.56	124.17%	0.068	0.084	-
						Top side	10	23130	711	22.5	21.56	124.17%	0.010	0.012	-
						Bottom side	10	23130	711	22.5	21.56	124.17%	0.010	0.012	-
						Right side	10	23130	711	22.5	21.56	124.17%	0.108	0.134	-
						Left side	10	23130	711	22.5	21.56	124.17%	0.009	0.011	-
				50 RB		Front side	10	23130	711	22.5	21.48	126.47%	0.092	0.116	-
						Back side	10	23130	711	22.5	21.48	126.47%	0.074	0.094	-
						Top side	10	23130	711	22.5	21.48	126.47%	0.007	0.009	-
						Bottom side	10	23130	711	22.5	21.48	126.47%	0.011	0.014	-
						Right side	10	23130	711	22.5	21.48	126.47%	0.113	0.143	-
						Left side	10	23130	711	22.5	21.48	126.47%	0.014	0.018	-
LTE Band 17 (ANT1)	Hotspot	10MHz	QPSK	1 RB	0	Front side	10	23790	710	24	23.17	121.06%	0.032	0.039	-
						Back side	10	23790	710	24	23.17	121.06%	0.045	0.054	-
						Top side	10	23790	710	24	23.17	121.06%	0.002	0.002	-
						Bottom side	10	23780	709	24	23.14	121.90%	0.060	0.073	-
						Bottom side	10	23790	710	24	23.17	121.06%	0.056	0.067	-
						Bottom side	10	23800	711	24	23.16	121.34%	0.064	0.078	266
						Right side	10	23790	710	24	23.17	121.06%	0.033	0.040	-
						Left side	10	23790	710	24	23.17	121.06%	0.052	0.063	-
				25 RB	0	Front side	10	23790	710	23	22.25	118.85%	0.021	0.025	-
						Back side	10	23790	710	23	22.25	118.85%	0.031	0.037	-
						Top side	10	23790	710	23	22.25	118.85%	0.001	0.001	-
						Bottom side	10	23790	710	23	22.25	118.85%	0.041	0.049	-
						Right side	10	23790	710	23	22.25	118.85%	0.024	0.029	-
						Left side	10	23790	710	23	22.25	118.85%	0.037	0.044	-
				50 RB		Front side	10	23790	710	23	22.21	119.95%	0.025	0.030	-
						Back side	10	23790	710	23	22.21	119.95%	0.036	0.043	-
						Top side	10	23790	710	23	22.21	119.95%	0.001	0.001	-
						Bottom side	10	23790	710	23	22.21	119.95%	0.048	0.058	-
						Right side	10	23790	710	23	22.21	119.95%	0.021	0.025	-
						Left side	10	23790	710	23	22.21	119.95%	0.039	0.047	-
LTE Band 17 (ANT3)	Hotspot	10MHz	QPSK	1 RB	0	Front side	10	23790	710	23.5	22.36	130.02%	0.127	0.165	-
						Back side	10	23790	710	23.5	22.36	130.02%	0.101	0.131	-
						Top side	10	23790	710	23.5	22.36	130.02%	0.014	0.018	-
						Bottom side	10	23790	710	23.5	22.36	130.02%	0.015	0.020	-
						Right side	10	23780	709	23.5	22.22	134.28%	0.131	0.176	-
						Right side	10	23790	710	23.5	22.36	130.02%	0.138	0.179	-
						Right side	10	23800	711	23.5	22.34	130.62%	0.139	0.182	267
						Left side	10	23790	710	23.5	22.36	130.02%	0.018	0.023	-
				25 RB	0	Front side	10	23790	710	22.5	21.58	123.59%	0.097	0.120	-
						Back side	10	23790	710	22.5	21.58	123.59%	0.071	0.088	-
						Top side	10	23790	710	22.5	21.58	123.59%	0.011	0.014	-
						Bottom side	10	23790	710	22.5	21.58	123.59%	0.012	0.015	-
						Right side	10	23790	710	22.5	21.58	123.59%	0.104	0.129	-
						Left side	10	23790	710	22.5	21.58	123.59%	0.013	0.016	-
				50 RB		Front side	10	23790	710	22.5	21.49	126.18%	0.091	0.115	-
						Back side	10	23790	710	22.5	21.49	126.18%	0.079	0.100	-
						Top side	10	23790	710	22.5	21.49	126.18%	0.009	0.011	-
						Bottom side	10	23790	710	22.5	21.49	126.18%	0.010	0.013	-
						Right side	10	23790	710	22.5	21.49	126.18%	0.097	0.122	-
						Left side	10	23790	710	22.5	21.49	126.18%	0.010	0.013	-

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LTE Band 25 / 26 / 30

Band	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 25 (ANT2)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	26590	1905	24	22.46	142.56%	0.157	0.224	-
						Back side	10	26590	1905	24	22.46	142.56%	0.190	0.271	-
						Top side	10	26590	1905	24	22.46	142.56%	0.009	0.013	-
						Bottom side	10	26140	1860	24	22.14	153.46%	0.294	0.451	268
						Bottom side	10	26365	1882.5	24	22.35	146.22%	0.256	0.374	-
						Bottom side	10	26590	1905	24	22.46	142.56%	0.264	0.376	-
						Right side	10	26590	1905	24	22.46	142.56%	0.052	0.074	-
						Left side	10	26590	1905	24	22.46	142.56%	0.040	0.057	-
				50 RB	0	Front side	10	26590	1905	23	21.59	138.36%	0.109	0.151	-
						Back side	10	26590	1905	23	21.59	138.36%	0.152	0.210	-
						Top side	10	26590	1905	23	21.59	138.36%	0.006	0.008	-
						Bottom side	10	26590	1905	23	21.59	138.36%	0.195	0.270	-
						Right side	10	26590	1905	23	21.59	138.36%	0.041	0.057	-
						Left side	10	26590	1905	23	21.59	138.36%	0.032	0.044	-
				100 RB		Front side	10	26590	1905	23	21.52	140.60%	0.124	0.174	-
						Back side	10	26590	1905	23	21.52	140.60%	0.144	0.202	-
						Top side	10	26590	1905	23	21.52	140.60%	0.002	0.003	-
						Bottom side	10	26590	1905	23	21.52	140.60%	0.208	0.292	-
						Right side	10	26590	1905	23	21.52	140.60%	0.033	0.046	-
						Left side	10	26590	1905	23	21.52	140.60%	0.023	0.032	-
LTE Band 26 (ANT1)	Hotspot	15MHz	QPSK	1 RB	0	Front side	10	26765	821.5	24	23.23	119.40%	0.069	0.082	-
						Back side	10	26765	821.5	24	23.23	119.40%	0.074	0.088	-
						Top side	10	26765	821.5	24	23.23	119.40%	0.004	0.005	-
						Bottom side	10	26765	821.5	24	23.23	119.40%	0.092	0.110	-
						Bottom side	10	26865	831.5	24	23.11	122.74%	0.089	0.109	-
						Bottom side	10	26965	841.5	24	23.02	125.31%	0.093	0.116	269
						Right side	10	26765	821.5	24	23.23	119.40%	0.072	0.086	-
						Left side	10	26765	821.5	24	23.23	119.40%	0.086	0.102	-
				36 RB	0	Front side	10	26765	821.5	23	22.33	116.68%	0.052	0.061	-
						Back side	10	26765	821.5	23	22.33	116.68%	0.059	0.069	-
						Top side	10	26765	821.5	23	22.33	116.68%	0.002	0.002	-
						Bottom side	10	26765	821.5	23	22.33	116.68%	0.063	0.074	-
						Right side	10	26765	821.5	23	22.33	116.68%	0.052	0.061	-
						Left side	10	26765	821.5	23	22.33	116.68%	0.061	0.071	-
				75 RB		Front side	10	26765	821.5	23	22.30	117.49%	0.042	0.049	-
						Back side	10	26765	821.5	23	22.30	117.49%	0.052	0.061	-
						Top side	10	26765	821.5	23	22.30	117.49%	0.003	0.004	-
						Bottom side	10	26765	821.5	23	22.30	117.49%	0.071	0.083	-
						Right side	10	26765	821.5	23	22.30	117.49%	0.056	0.066	-
						Left side	10	26765	821.5	23	22.30	117.49%	0.069	0.081	-
LTE Band 26 (ANT3)	Hotspot	15MHz	QPSK	1 RB	0	Front side	10	26765	821.5	23.5	22.29	132.13%	0.103	0.136	-
						Back side	10	26765	821.5	23.5	22.29	132.13%	0.082	0.108	-
						Top side	10	26765	821.5	23.5	22.29	132.13%	0.031	0.041	-
						Bottom side	10	26765	821.5	23.5	22.29	132.13%	0.004	0.006	-
						Right side	10	26765	821.5	23.5	22.29	132.13%	0.245	0.324	-
						Right side	10	26865	831.5	23.5	22.21	134.59%	0.293	0.394	-
						Right side	10	26965	841.5	23.5	22.02	140.60%	0.370	0.520	270
						Left side	10	26765	821.5	23.5	22.29	132.13%	0.034	0.045	-
				36 RB	0	Front side	10	26765	821.5	22.5	21.47	126.77%	0.083	0.105	-
						Back side	10	26765	821.5	22.5	21.47	126.77%	0.063	0.080	-
						Top side	10	26765	821.5	22.5	21.47	126.77%	0.024	0.030	-
						Bottom side	10	26765	821.5	22.5	21.47	126.77%	0.003	0.004	-
						Right side	10	26765	821.5	22.5	21.47	126.77%	0.193	0.245	-
						Left side	10	26765	821.5	22.5	21.47	126.77%	0.021	0.027	-
				75 RB		Front side	10	26765	821.5	22.5	21.42	128.23%	0.078	0.100	-
						Back side	10	26765	821.5	22.5	21.42	128.23%	0.054	0.069	-
						Top side	10	26765	821.5	22.5	21.42	128.23%	0.021	0.027	-
						Bottom side	10	26765	821.5	22.5	21.42	128.23%	0.002	0.003	-
						Right side	10	26765	821.5	22.5	21.42	128.23%	0.183	0.235	-
						Left side	10	26765	821.5	22.5	21.42	128.23%	0.025	0.032	-
LTE Band 30 (ANT2)	Hotspot	10MHz	QPSK	1 RB	0	Front side	10	27710	2310	24	22.29	148.25%	0.462	0.685	-
						Back side	10	27710	2310	24	22.29	148.25%	0.341	0.506	-
						Top side	10	27710	2310	24	22.29	148.25%	0.032	0.047	-
						Bottom side	10	27710	2310	24	22.29	148.25%	0.624	0.925	271
						Right side	10	27710	2310	24	22.29	148.25%	0.116	0.172	-
						Left side	10	27710	2310	24	22.29	148.25%	0.132	0.196	-
					25	Bottom side	10	27710	2310	24	22.28	148.59%	0.507	0.753	-
					49	Bottom side	10	27710	2310	24	22.22	150.66%	0.499	0.752	-
				25 RB	0	Front side	10	27710	2310	23	21.37	145.55%	0.369	0.537	-
						Back side	10	27710	2310	23	21.37	145.55%	0.242	0.352	-
						Top side	10	27710	2310	23	21.37	145.55%	0.021	0.031	-
						Bottom side	10	27710	2310	23	21.37	145.55%	0.474	0.690	-
						Right side	10	27710	2310	23	21.37	145.55%	0.081	0.118	-
						Left side	10	27710	2310	23	21.37	145.55%	0.104	0.151	-
				50 RB		Front side	10	27710	2310	23	21.32	147.23%	0.337	0.496	-
						Back side	10	27710	2310	23	21.32	147.23%	0.269	0.396	-
						Top side	10	27710	2310	23	21.32	147.23%	0.025	0.037	-
						Bottom side	10	27710	2310	23	21.32	147.23%	0.443	0.652	-
						Right side	10	27710	2310	23	21.32	147.23%	0.087	0.128	-
						Left side	10	27710	2310	23	21.32	147.23%	0.092	0.135	-

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LTE Band 38 / 41 / 66 / 71

Band	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 (ANT2)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	37850	2580	24	22.95	127.35%	0.215	0.274	-
						Back side	10	37850	2580	24	22.95	127.35%	0.157	0.200	-
						Top side	10	37850	2580	24	22.95	127.35%	0.019	0.024	-
						Bottom side	10	37850	2580	24	22.95	127.35%	0.301	0.383	-
						Bottom side	10	38000	2595	24	22.94	127.64%	0.334	0.426	-
						Bottom side	10	38150	2610	24	22.75	133.35%	0.355	0.473	272
						Right side	10	37850	2580	24	22.95	127.35%	0.051	0.065	-
						Left side	10	37850	2580	24	22.95	127.35%	0.060	0.076	-
				50 RB	0	Front side	10	37850	2580	23	22.15	121.62%	0.152	0.185	-
						Back side	10	37850	2580	23	22.15	121.62%	0.114	0.139	-
						Top side	10	37850	2580	23	22.15	121.62%	0.014	0.017	-
						Bottom side	10	37850	2580	23	22.15	121.62%	0.228	0.277	-
						Right side	10	37850	2580	23	22.15	121.62%	0.032	0.039	-
						Left side	10	37850	2580	23	22.15	121.62%	0.046	0.056	-
				100 RB		Front side	10	37850	2580	23	22.11	122.74%	0.159	0.195	-
						Back side	10	37850	2580	23	22.11	122.74%	0.119	0.146	-
						Top side	10	37850	2580	23	22.11	122.74%	0.011	0.014	-
						Bottom side	10	37850	2580	23	22.11	122.74%	0.207	0.254	-
						Right side	10	37850	2580	23	22.11	122.74%	0.038	0.047	-
						Left side	10	37850	2580	23	22.11	122.74%	0.042	0.052	-
CA_38C	Hotspot	20MHz	QPSK	1 RB	0	Bottom side	10	38150	2610	24	22.74	133.66%	0.332	0.444	-
LTE Band 41 (ANT2)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	40185	2549.5	24	22.92	128.23%	0.224	0.287	-
						Back side	10	40185	2549.5	24	22.92	128.23%	0.206	0.264	-
						Top side	10	40185	2549.5	24	22.92	128.23%	0.022	0.028	-
						Bottom side	10	39750	2506	24	22.31	147.57%	0.225	0.332	-
						Bottom side	10	40185	2549.5	24	22.92	128.23%	0.313	0.401	-
						Bottom side	10	40620	2593	24	22.88	129.42%	0.349	0.452	-
						Bottom side	10	41055	2636.5	24	22.34	146.55%	0.322	0.472	-
						Bottom side	10	41490	2680	24	22.21	151.01%	0.414	0.625	273
						Right side	10	40185	2549.5	24	22.92	128.23%	0.057	0.073	-
						Left side	10	40185	2549.5	24	22.92	128.23%	0.068	0.087	-
				50 RB	0	Front side	10	40185	2549.5	23	21.91	128.53%	0.172	0.221	-
						Back side	10	40185	2549.5	23	21.91	128.53%	0.146	0.188	-
						Top side	10	40185	2549.5	23	21.91	128.53%	0.011	0.014	-
						Bottom side	10	40185	2549.5	23	21.91	128.53%	0.228	0.293	-
						Right side	10	40185	2549.5	23	21.91	128.53%	0.031	0.040	-
						Left side	10	40185	2549.5	23	21.91	128.53%	0.055	0.071	-
				100 RB		Front side	10	40185	2549.5	23	21.92	128.23%	0.168	0.215	-
						Back side	10	40185	2549.5	23	21.92	128.23%	0.156	0.200	-
						Top side	10	40185	2549.5	23	21.92	128.23%	0.016	0.021	-
						Bottom side	10	40185	2549.5	23	21.92	128.23%	0.241	0.309	-
						Right side	10	40185	2549.5	23	21.92	128.23%	0.043	0.055	-
						Left side	10	40185	2549.5	23	21.92	128.23%	0.048	0.062	-
CA_41C	Hotspot	20MHz	QPSK	1 RB	0	Bottom side	10	41490	2680	24	22.17	152.41%	0.354	0.540	-
LTE Band 66 (ANT2)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	132322	1745	24	22.25	149.62%	0.128	0.192	-
						Back side	10	132322	1745	24	22.25	149.62%	0.172	0.257	-
						Top side	10	132322	1745	24	22.25	149.62%	0.011	0.016	-
						Bottom side	10	132072	1720	24	22.17	152.41%	0.283	0.431	274
						Bottom side	10	132322	1745	24	22.25	149.62%	0.276	0.413	-
						Bottom side	10	132572	1770	24	22.16	152.76%	0.274	0.419	-
						Right side	10	132322	1745	24	22.25	149.62%	0.058	0.087	-
						Left side	10	132322	1745	24	22.25	149.62%	0.023	0.034	-
				50 RB	0	Front side	10	132322	1745	23	21.29	148.25%	0.089	0.132	-
						Back side	10	132322	1745	23	21.29	148.25%	0.127	0.188	-
						Top side	10	132322	1745	23	21.29	148.25%	0.009	0.013	-
						Bottom side	10	132322	1745	23	21.29	148.25%	0.193	0.286	-
						Right side	10	132322	1745	23	21.29	148.25%	0.044	0.065	-
						Left side	10	132322	1745	23	21.29	148.25%	0.018	0.027	-
				100 RB		Front side	10	132322	1745	23	21.24	149.97%	0.092	0.138	-
						Back side	10	132322	1745	23	21.24	149.97%	0.123	0.184	-
						Top side	10	132322	1745	23	21.24	149.97%	0.007	0.010	-
						Bottom side	10	132322	1745	23	21.24	149.97%	0.207	0.310	-
						Right side	10	132322	1745	23	21.24	149.97%	0.025	0.037	-
						Left side	10	132322	1745	23	21.24	149.97%	0.016	0.024	-
LTE Band 71 (ANT1)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	133222	673	24	22.91	128.53%	0.023	0.030	-
						Back side	10	133222	673	24	22.91	128.53%	0.029	0.037	-
						Top side	10	133222	673	24	22.91	128.53%	0.003	0.004	-
						Bottom side	10	133222	673	24	22.91	128.53%	0.040	0.051	-
						Bottom side	10	133297	680.5	24	22.77	132.74%	0.037	0.049	-
						Bottom side	10	133372	688	24	22.73	133.97%	0.041	0.055	275
						Right side	10	133222	673	24	22.91	128.53%	0.035	0.045	-
						Left side	10	133222	673	24	22.91	128.53%	0.039	0.050	-
				50 RB	0	Front side	10	133222	673	23	21.88	129.42%	0.017	0.022	-
						Back side	10	133222	673	23	21.88	129.42%	0.022	0.028	-
						Top side	10	133222	673	23	21.88	129.42%	0.002	0.003	-
						Bottom side	10	133222	673	23	21.88	129.42%	0.027	0.035	-
						Right side	10	133222	673	23	21.88	129.42%	0.026	0.034	-
						Left side	10	133222	673	23	21.88	129.42%	0.031	0.040	-
				100 RB		Front side	10	133222	673	23	21.76	133.05%	0.014	0.019	-
						Back side	10	133222	673	23	21.76	133.05%	0.018	0.024	-
						Top side	10	133222	673	23	21.76	133.05%	0.002	0.003	-
						Bottom side	10	133222	673	23	21.76	133.05%	0.032	0.043	-
						Right side	10	133222	673	23	21.76	133.05%	0.029	0.039	-
						Left side	10	133222	673	23	21.76	133.05%	0.027	0.036	-
LTE Band 71 (ANT3)	Hotspot	20MHz	QPSK	1 RB	0	Front side	10	133297	680.5	23.5	22.35	130.32%	0.304	0.396	-
						Back side	10	133297	680.5	23.5	22.35	130.32%	0.326	0.425	-
						Top side	10	133297	680.5	23.5	22.35	130.32%	0.035	0.045	-
						Bottom side	10	133297	680.5	23.5	22.35	130.32%	0.036	0.047	-
						Right side	10	133222	673	23.5	22.27	132.74%	0.333	0.442	-
						Right side	10	133297	680.5	23.5	22.35	130.32%	0.373	0.486	-
						Right side	10	133372	688	23.5	22.33	130.92%	0.416	0.545	276
						Left side	10	133297	680.5	23.5	22.35	130.32%	0.039	0.050	-
				50 RB	0	Front side	10	133297	680.5	22.5	21.33	130.92%	0.228	0.298	-
						Back side	10	133297	680.5	22.5	21.33	130.92%	0.244	0.319	-
						Top side	10	133297	680.5	22.5	21.33	130.92%	0.028	0.037	-
						Bottom side	10	133297	680.5	22.5	21.33	130.92%	0.022	0.029	-
						Right side	10	133297	680.5	22.5	21.33	130.92%	0.279	0.365	-
						Left side	10	133297	680.5	22.5	21.33	130.92%	0.027	0.035	-
				100 RB		Front side	10	133297	680.5	22.5	21.33	130.92%	0.218	0.285	-
						Back side	10	133297	680.5	22.5	21.33	130.92%	0.237	0.310	-
						Top side	10	133297	680.5	22.5	21.33	130.92%	0.023	0.030	-
						Bottom side	10	133297	680.5	22.5	21.33	130.92%	0.027	0.035	-
						Right side	10	133297	680.5	22.5	21.33	130.92%	0.264	0.346	-
						Left side	10	133297	680.5	22.5	21.33	130.92%	0.028	0.037	-

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5NR n2 / n5 / n7 / n12

Band	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	
NR n2 (ANT2)	Hotspot	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	Front side	10	380000	1900	24	22.30	147.91%	0.193	0.285	-
						Back side	10	380000	1900	24	22.30	147.91%	0.211	0.312	-
						Top side	10	380000	1900	24	22.30	147.91%	0.010	0.015	-
						Bottom side	10	372000	1860	24	22.20	151.36%	0.283	0.428	-
						Bottom side	10	376000	1880	24	22.24	149.97%	0.306	0.459	-
						Bottom side	10	380000	1900	24	22.30	147.91%	0.337	0.498	277
						Right side	10	380000	1900	24	22.30	147.91%	0.065	0.096	-
						Left side	10	380000	1900	24	22.30	147.91%	0.053	0.078	-
				50 RB	0	Front side	10	380000	1900	24	22.28	148.59%	0.185	0.275	-
						Back side	10	380000	1900	24	22.28	148.59%	0.200	0.297	-
						Top side	10	380000	1900	24	22.28	148.59%	0.009	0.013	-
						Bottom side	10	380000	1900	24	22.28	148.59%	0.316	0.470	-
						Right side	10	380000	1900	24	22.28	148.59%	0.058	0.086	-
						Left side	10	380000	1900	24	22.28	148.59%	0.052	0.077	-
				100 RB		Front side	10	380000	1900	23.5	21.72	150.66%	0.177	0.267	-
						Back side	10	380000	1900	23.5	21.72	150.66%	0.181	0.273	-
						Top side	10	380000	1900	23.5	21.72	150.66%	0.008	0.012	-
						Bottom side	10	380000	1900	23.5	21.72	150.66%	0.296	0.446	-
						Right side	10	380000	1900	23.5	21.72	150.66%	0.054	0.081	-
						Left side	10	380000	1900	23.5	21.72	150.66%	0.046	0.069	-
NR n5 (ANT1)	Hotspot	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	Front side	10	166800	834	24	23.34	116.41%	0.082	0.096	-
						Back side	10	166800	834	24	23.34	116.41%	0.089	0.103	-
						Top side	10	166800	834	24	23.34	116.41%	0.005	0.006	-
						Bottom side	10	166800	834	24	23.34	116.41%	0.114	0.133	278
						Bottom side	10	167300	836.5	24	23.17	121.06%	0.091	0.110	-
						Bottom side	10	167800	839	24	23.01	125.60%	0.102	0.128	-
						Right side	10	166800	834	24	23.34	116.41%	0.094	0.109	-
						Left side	10	166800	834	24	23.34	116.41%	0.107	0.125	-
				50 RB	0	Front side	10	166800	834	24	23.29	117.76%	0.079	0.093	-
						Back side	10	166800	834	24	23.29	117.76%	0.085	0.100	-
						Top side	10	166800	834	24	23.29	117.76%	0.005	0.006	-
						Bottom side	10	166800	834	24	23.29	117.76%	0.108	0.127	-
						Right side	10	166800	834	24	23.29	117.76%	0.090	0.106	-
						Left side	10	166800	834	24	23.29	117.76%	0.103	0.121	-
				100 RB		Front side	10	166800	834	23.5	22.70	120.23%	0.072	0.087	-
						Back side	10	166800	834	23.5	22.70	120.23%	0.077	0.093	-
						Top side	10	166800	834	23.5	22.70	120.23%	0.004	0.005	-
						Bottom side	10	166800	834	23.5	22.70	120.23%	0.099	0.119	-
						Right side	10	166800	834	23.5	22.70	120.23%	0.080	0.096	-
						Left side	10	166800	834	23.5	22.70	120.23%	0.093	0.112	-
NR n5 (ANT3)	Hotspot	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	Front side	10	166800	834	23.5	22.69	120.50%	0.221	0.266	-
						Back side	10	166800	834	23.5	22.69	120.50%	0.247	0.298	-
						Top side	10	166800	834	23.5	22.69	120.50%	0.029	0.035	-
						Bottom side	10	166800	834	23.5	22.69	120.50%	0.030	0.036	-
						Right side	10	166800	834	23.5	22.69	120.50%	0.263	0.317	-
						Right side	10	167300	836.5	23.5	22.23	133.97%	0.272	0.364	-
						Right side	10	167800	839	23.5	22.28	132.43%	0.292	0.387	279
						Left side	10	166800	834	23.5	22.69	120.50%	0.032	0.039	-
				50 RB	0	Front side	10	166800	834	23.5	22.67	121.06%	0.207	0.251	-
						Back side	10	166800	834	23.5	22.67	121.06%	0.234	0.283	-
						Top side	10	166800	834	23.5	22.67	121.06%	0.027	0.033	-
						Bottom side	10	166800	834	23.5	22.67	121.06%	0.030	0.036	-
						Right side	10	166800	834	23.5	22.67	121.06%	0.255	0.309	-
						Left side	10	166800	834	23.5	22.67	121.06%	0.029	0.035	-
				100 RB		Front side	10	166800	834	23	22.10	123.03%	0.196	0.241	-
						Back side	10	166800	834	23	22.10	123.03%	0.205	0.252	-
						Top side	10	166800	834	23	22.10	123.03%	0.026	0.032	-
						Bottom side	10	166800	834	23	22.10	123.03%	0.025	0.031	-
						Right side	10	166800	834	23	22.10	123.03%	0.220	0.271	-
						Left side	10	166800	834	23	22.10	123.03%	0.028	0.034	-
NR n7 (ANT2)	Hotspot	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	Front side	10	507000	2535	22	21.94	101.39%	0.707	0.717	-
						Back side	10	507000	2535	22	21.94	101.39%	0.429	0.435	-
						Top side	10	507000	2535	22	21.94	101.39%	0.009	0.009	-
						Bottom side	10	502000	2510	22	21.81	104.47%	0.761	0.795	-
						Bottom side	10	507000	2535	22	21.94	101.39%	0.890	0.902	-
						Bottom side	10	512000	2560	22	21.91	102.09%	1.120	1.143	280
						Bottom side*	10	512000	2560	22	21.91	102.09%	1.100	1.123	-
						Right side	10	507000	2535	22	21.94	101.39%	0.187	0.190	-
						Left side	10	507000	2535	22	21.94	101.39%	0.086	0.087	-
				50 RB	0	Front side	10	507000	2535	22	21.90	102.33%	0.671	0.687	-
						Back side	10	507000	2535	22	21.90	102.33%	0.411	0.421	-
						Top side	10	507000	2535	22	21.90	102.33%	0.008	0.008	-
						Bottom side	10	507000	2535	22	21.90	102.33%	0.854	0.874	-
						Right side	10	507000	2535	22	21.90	102.33%	0.175	0.179	-
						Left side	10	507000	2535	22	21.90	102.33%	0.079	0.081	-
				100 RB		Front side	10	507000	2535	21.5	21.34	103.75%	0.622	0.645	-
						Back side	10	507000	2535	21.5	21.34	103.75%	0.381	0.395	-
						Top side	10	507000	2535	21.5	21.34	103.75%	0.008	0.008	-
						Bottom side	10	507000	2535	21.5	21.34	103.75%	0.783	0.812	-
						Right side	10	507000	2535	21.5	21.34	103.75%	0.160	0.166	-
						Left side	10	507000	2535	21.5	21.34	103.75%	0.073	0.076	-
NR n12 (ANT1)	Hotspot	15MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	Front side	10	141300	706.5	24	22.94	127.64%	0.061	0.077	-
						Front side	10	141500	707.5	24	22.91	128.53%	0.070	0.090	-
						Front side	10	141700	708.5	24	23.02	125.31%	0.081	0.101	281
						Back side	10	141700	708.5	24	23.02	125.31%	0.034	0.042	-
						Top side	10	141700	708.5	24	23.02	125.31%	0.002	0.002	-
						Bottom side	10	141700	708.5	24	23.02	125.31%	0.067	0.083	-
						Right side	10	141700	708.5	24	23.02	125.31%	0.002	0.003	-
						Left side	10	141700	708.5	24	23.02	125.31%	0.028	0.035	-
				36 RB	0	Front side	10	141700	708.5	24	22.95	127.35%	0.074	0.094	-
						Back side	10	141700	708.5	24	22.95	127.35%	0.030	0.038	-
						Top side	10	141700	708.5	24	22.95	127.35%	0.001	0.001	-
						Bottom side	10	141700	708.5	24	22.95	127.35%	0.063	0.080	-
						Right side	10	141700	708.5	24	22.95	127.35%	0.002	0.003	-
						Left side	10	141700	708.5	24	22.95	127.35%	0.027	0.034	-
				75 RB		Front side	10	141700	708.5	23.5	22.36	130.02%	0.071	0.092	-
						Back side	10	141700	708.5	23.5	22.36	130.02%	0.028	0.036	-
						Top side	10	141700	708.5	23.5	22.36	130.02%	0.001	0.001	-
						Bottom side	10	141700	708.5	23.5	22.36	130.02%	0.053	0.069	-
						Right side	10	141700	708.5	23.5	22.36	130.02%	0.001	0.001	-
						Left side	10	141700	708.5	23.5	22.36	130.02%	0.024	0.031	-

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

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5NR n12 / n25 / n38 / n66 / n77

Band	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	
NR n12 (ANT3)	Hotspot	15MHz	SCS 15kHz PI/2 BPSK	1 RB	1	Front side	10	141300	706.5	23.5	22.31	131.52%	0.150	0.197	-
						Front side	10	141500	707.5	23.5	22.32	131.22%	0.172	0.226	-
						Front side	10	141700	708.5	23.5	22.16	136.14%	0.212	0.289	282
						Back side	10	141500	707.5	23.5	22.32	131.22%	0.095	0.124	-
						Top side	10	141500	707.5	23.5	22.32	131.22%	0.014	0.018	-
						Bottom side	10	141500	707.5	23.5	22.32	131.22%	0.006	0.007	-
						Right side	10	141500	707.5	23.5	22.32	131.22%	0.114	0.150	-
						Left side	10	141500	707.5	23.5	22.32	131.22%	0.065	0.085	-
				36 RB	0	Front side	10	141500	707.5	23.5	22.27	132.74%	0.159	0.211	-
						Back side	10	141500	707.5	23.5	22.27	132.74%	0.088	0.117	-
						Top side	10	141500	707.5	23.5	22.27	132.74%	0.012	0.016	-
						Bottom side	10	141500	707.5	23.5	22.27	132.74%	0.005	0.007	-
						Right side	10	141500	707.5	23.5	22.27	132.74%	0.114	0.151	-
						Left side	10	141500	707.5	23.5	22.27	132.74%	0.060	0.080	-
				75 RB		Front side	10	141500	707.5	23	21.77	132.74%	0.144	0.191	-
						Back side	10	141500	707.5	23	21.77	132.74%	0.081	0.108	-
						Top side	10	141500	707.5	23	21.77	132.74%	0.011	0.015	-
						Bottom side	10	141500	707.5	23	21.77	132.74%	0.004	0.005	-
						Right side	10	141500	707.5	23	21.77	132.74%	0.095	0.126	-
						Left side	10	141500	707.5	23	21.77	132.74%	0.058	0.077	-
NR n25 (ANT2)	Hotspot	20MHz	SCS 15kHz PI/2 BPSK	1 RB	1	Front side	10	381000	1905	24	22.24	149.97%	0.188	0.282	-
						Back side	10	381000	1905	24	22.24	149.97%	0.196	0.294	-
						Top side	10	381000	1905	24	22.24	149.97%	0.011	0.017	-
						Bottom side	10	372000	1860	24	22.19	151.71%	0.284	0.431	-
						Bottom side	10	376500	1882.5	24	22.21	151.01%	0.305	0.461	-
						Bottom side	10	381000	1905	24	22.24	149.97%	0.315	0.472	283
						Right side	10	381000	1905	24	22.24	149.97%	0.064	0.096	-
						Left side	10	381000	1905	24	22.24	149.97%	0.055	0.083	-
				50 RB	0	Front side	10	381000	1905	24	22.17	152.41%	0.176	0.268	-
						Back side	10	381000	1905	24	22.17	152.41%	0.178	0.271	-
						Top side	10	381000	1905	24	22.17	152.41%	0.010	0.015	-
						Bottom side	10	381000	1905	24	22.17	152.41%	0.286	0.436	-
						Right side	10	381000	1905	24	22.17	152.41%	0.061	0.093	-
						Left side	10	381000	1905	24	22.17	152.41%	0.054	0.082	-
				100 RB		Front side	10	381000	1905	23.5	21.67	152.41%	0.171	0.261	-
						Back side	10	381000	1905	23.5	21.67	152.41%	0.160	0.244	-
						Top side	10	381000	1905	23.5	21.67	152.41%	0.009	0.014	-
						Bottom side	10	381000	1905	23.5	21.67	152.41%	0.277	0.422	-
						Right side	10	381000	1905	23.5	21.67	152.41%	0.054	0.082	-
						Left side	10	381000	1905	23.5	21.67	152.41%	0.047	0.072	-
NR n38 (ANT2)	Hotspot	40MHz	SCS 30kHz PI/2 BPSK	1 RB	1	Front side	10	518000	2590	23.5	23.03	111.43%	0.837	0.933	-
						Front side	10	519000	2595	23.5	22.87	115.61%	0.785	0.908	-
						Front side	10	520000	2600	23.5	22.83	116.68%	0.792	0.924	-
						Back side	10	518000	2590	23.5	23.03	111.43%	0.679	0.757	-
						Top side	10	518000	2590	23.5	23.03	111.43%	0.005	0.005	-
						Bottom side	10	518000	2590	23.5	23.03	111.43%	1.030	1.148	284
						Bottom side*	10	518000	2590	23.5	23.03	111.43%	1.010	1.125	-
						Bottom side	10	519000	2595	23.5	22.87	115.61%	0.906	1.047	-
						Bottom side	10	520000	2600	23.5	22.83	116.68%	0.937	1.093	-
						Right side	10	518000	2590	23.5	23.03	111.43%	0.318	0.354	-
						Left side	10	518000	2590	23.5	23.03	111.43%	0.025	0.027	-
				108 RB	0	Front side	10	518000	2590	23.5	22.96	113.24%	0.795	0.900	-
						Back side	10	518000	2590	23.5	22.96	113.24%	0.638	0.722	-
						Top side	10	518000	2590	23.5	22.96	113.24%	0.004	0.005	-
						Bottom side	10	518000	2590	23.5	22.96	113.24%	0.986	1.117	-
						Right side	10	518000	2590	23.5	22.96	113.24%	0.314	0.356	-
						Left side	10	518000	2590	23.5	22.96	113.24%	0.024	0.027	-
				216 RB		Front side	10	518000	2590	23	22.46	113.24%	0.761	0.862	-
						Back side	10	518000	2590	23	22.46	113.24%	0.611	0.692	-
						Top side	10	518000	2590	23	22.46	113.24%	0.003	0.003	-
						Bottom side	10	518000	2590	23	22.46	113.24%	0.906	1.026	-
						Right side	10	518000	2590	23	22.46	113.24%	0.279	0.316	-
						Left side	10	518000	2590	23	22.46	113.24%	0.021	0.024	-
NR n66 (ANT2)	Hotspot	20MHz	SCS 15kHz PI/2 BPSK	1 RB	1	Front side	10	344000	1720	24	22.87	129.72%	0.243	0.315	-
						Back side	10	344000	1720	24	22.87	129.72%	0.226	0.293	-
						Top side	10	344000	1720	24	22.87	129.72%	0.004	0.005	-
						Bottom side	10	344000	1720	24	22.87	129.72%	0.288	0.374	-
						Bottom side	10	349000	1745	24	22.61	137.72%	0.301	0.415	-
						Bottom side	10	354000	1770	24	22.69	135.21%	0.279	0.377	285
						Right side	10	344000	1720	24	22.87	129.72%	0.137	0.178	-
						Left side	10	344000	1720	24	22.87	129.72%	0.022	0.029	-
				50 RB	0	Front side	10	344000	1720	24	22.77	132.74%	0.233	0.309	-
						Back side	10	344000	1720	24	22.77	132.74%	0.203	0.269	-
						Top side	10	344000	1720	24	22.77	132.74%	0.003	0.004	-
						Bottom side	10	344000	1720	24	22.77	132.74%	0.273	0.362	-
						Right side	10	344000	1720	24	22.77	132.74%	0.128	0.170	-
						Left side	10	344000	1720	24	22.77	132.74%	0.021	0.028	-
				100 RB		Front side	10	344000	1720	23.5	22.34	130.62%	0.206	0.269	-
						Back side	10	344000	1720	23.5	22.34	130.62%	0.183	0.239	-
						Top side	10	344000	1720	23.5	22.34	130.62%	0.002	0.003	-
						Bottom side	10	344000	1720	23.5	22.34	130.62%	0.239	0.312	-
						Right side	10	344000	1720	23.5	22.34	130.62%	0.119	0.155	-
						Left side	10	344000	1720	23.5	22.34	130.62%	0.015	0.020	-
NR n77 (ANT4)	Hotspot	100MHz	SCS 30kHz PI/2 BPSK	1 RB	1	Front side	10	650000	3750	19	18.98	100.46%	0.177	0.178	-
						Back side	10	650000	3750	19	18.98	100.46%	0.159	0.160	-
						Top side	10	650000	3750	19	18.98	100.46%	0.081	0.081	-
						Bottom side	10	650000	3750	19	18.98	100.46%	0.013	0.013	-
						Right side	10	650000	3750	19	18.98	100.46%	0.005	0.005	-
						Left side	10	650000	3750	19	18.98	100.46%	0.729	0.732	-
						Left side	10	652400	3786	19	18.83	103.99%	0.783	0.814	286
						Left side	10	654800	3822	19	18.77	105.44%	0.613	0.646	-
						Left side	10	657200	3858	19	18.78	105.20%	0.569	0.599	-
						Left side	10	659600	3894	19	18.82	104.23%	0.428	0.446	-
						Left side	10	662000	3930	19	18.93	101.62%	0.476	0.484	-
				135 RB	0	Front side	10	650000	3750	19	18.97	100.69%	0.171	0.172	-
						Back side	10	650000	3750	19	18.97	100.69%	0.147	0.148	-
						Top side	10	650000	3750	19	18.97	100.69%	0.076	0.077	-
						Bottom side	10	650000	3750	19	18.97	100.69%	0.011	0.011	-
						Right side	10	650000	3750	19	18.97	100.69%	0.004	0.004	-
						Left side	10	650000	3750	19	18.97	100.69%	0.671	0.676	-
				270 RB		Front side	10	650000	3750	19	18.98	100.46%	0.161	0.162	-
						Back side	10	650000	3750	19	18.98	100.46%	0.152	0.153	-
						Top side	10	650000	3750	19	18.98	100.46%	0.062	0.062	-
						Bottom side	10	650000	3750	19	18.98	100.46%	0.011	0.011	-
						Right side	10	650000	3750	19	18.98	100.46%	0.002	0.002	-
						Left side	10	650000	3750	19	18.98	100.46%	0.648	0.651	-

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

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5NR n77

Band	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	
NR n77 (ANT5)	Hotspot	100MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	Front side	10	659600	3894	21	20.98	100.46%	0.267	0.268	-
						Back side	10	659600	3894	21	20.98	100.46%	0.270	0.271	-
						Top side	10	659600	3894	21	20.98	100.46%	0.046	0.046	-
						Bottom side	10	659600	3894	21	20.98	100.46%	0.021	0.021	-
						Right side	10	659600	3894	21	20.98	100.46%	0.010	0.010	-
						Left side	10	650000	3750	21	20.72	106.66%	0.293	0.313	-
						Left side	10	652400	3786	21	20.88	102.80%	0.417	0.429	-
						Left side	10	654800	3822	21	20.91	102.09%	0.596	0.608	-
						Left side	10	657200	3858	21	20.62	109.14%	0.583	0.636	-
						Left side	10	659600	3894	21	20.98	100.46%	0.572	0.575	-
						Left side	10	662000	3930	21	20.88	102.80%	0.632	0.650	287
				135 RB	0	Front side	10	659600	3894	21	20.93	101.62%	0.242	0.246	-
						Back side	10	659600	3894	21	20.93	101.62%	0.259	0.263	-
						Top side	10	659600	3894	21	20.93	101.62%	0.024	0.024	-
						Bottom side	10	659600	3894	21	20.93	101.62%	0.021	0.021	-
						Right side	10	659600	3894	21	20.93	101.62%	0.005	0.005	-
						Left side	10	659600	3894	21	20.93	101.62%	0.549	0.558	-
				270 RB		Front side	10	659600	3894	21	20.88	102.80%	0.245	0.252	-
						Back side	10	659600	3894	21	20.88	102.80%	0.251	0.258	-
						Top side	10	659600	3894	21	20.88	102.80%	0.042	0.043	-
						Bottom side	10	659600	3894	21	20.88	102.80%	0.013	0.013	-
						Right side	10	659600	3894	21	20.88	102.80%	0.009	0.009	-
						Left side	10	659600	3894	21	20.88	102.80%	0.531	0.546	-

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Product specific 10-g SAR

5NR n7 / n38 / n77

Band	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 10g (W/kg)		Plot page
													Measured	Reported	
NR n7 (ANT2)	Product specific 10-g SAR	20MHz	SCS 15kHz Pi/2 BPSK	1 RB	1	Bottom side	0	502000	2510	24	22.31	147.57%	2.390	3.527	288
						Bottom side*	0	502000	2510	24	22.31	147.57%	2.340	3.453	-
						Bottom side	0	507000	2535	24	22.94	127.64%	2.130	2.719	-
						Bottom side	0	512000	2560	24	22.51	140.93%	2.010	2.833	-
				135 RB	0	Bottom side	0	502000	2510	24	22.29	148.25%	2.220	3.291	-
						Bottom side	0	507000	2535	24	22.89	129.12%	2.040	2.634	-
						Bottom side	0	512000	2560	24	22.49	141.58%	1.920	2.718	-
				270 RB		Bottom side	0	502000	2510	23.5	21.75	149.62%	2.150	3.217	-
						Bottom side	0	507000	2535	23.5	22.34	130.62%	1.850	2.416	-
						Bottom side	0	512000	2560	23.5	21.92	143.88%	1.800	2.590	-
NR n38 (ANT2)	Product specific 10-g SAR	40MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	Bottom side	0	516000	2590	24	23.03	125.03%	2.430	3.038	-
						Bottom side	0	519000	2595	24	22.87	129.72%	2.460	3.191	-
						Bottom side	0	522000	2600	24	22.83	130.92%	2.470	3.234	289
						Bottom side*	0	522000	2600	24	22.83	130.92%	2.430	3.181	-
				108 RB	0	Bottom side	0	516000	2590	24	22.96	127.06%	2.300	2.922	-
						Bottom side	0	519000	2595	24	22.78	132.43%	2.260	2.993	-
						Bottom side	0	522000	2600	24	22.75	133.35%	2.340	3.120	-
				216 RB		Bottom side	0	516000	2590	23.5	22.46	127.06%	2.010	2.554	-
						Bottom side	0	519000	2595	23.5	22.30	131.83%	2.090	2.755	-
						Bottom side	0	522000	2600	23.5	22.26	133.05%	2.190	2.914	-
NR n77 (ANT4)	Product specific 10-g SAR	100MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	Left side	0	640000	3600	19	18.98	100.46%	2.970	2.984	-
						Left side	0	643667	3655.005	19	18.83	103.99%	3.230	3.359	290
						Left side*	0	643667	3655.005	19	18.83	103.99%	3.210	3.338	-
						Left side	0	647333	3709.995	19	18.77	105.44%	3.070	3.237	-
						Left side	0	654667	3820.005	19	18.78	105.20%	2.340	2.462	-
						Left side	0	658333	3874.995	19	18.82	104.23%	2.210	2.304	-
						Left side	0	662000	3930	19	18.93	101.62%	2.130	2.165	-
				135 RB	0	Left side	0	640000	3600	19	18.97	100.69%	2.700	2.719	-
						Left side	0	643667	3655.005	19	18.75	105.93%	3.130	3.315	-
						Left side	0	647333	3709.995	19	18.68	107.65%	2.970	3.197	-
						Left side	0	654667	3820.005	19	18.76	105.68%	2.310	2.441	-
						Left side	0	658333	3874.995	19	18.80	104.71%	2.090	2.188	-
						Left side	0	662000	3930	19	18.88	102.80%	2.020	2.077	-
				270 RB		Left side	0	640000	3600	19	18.98	100.46%	2.520	2.532	-
						Left side	0	643667	3655.005	19	18.77	105.44%	2.840	2.994	-
						Left side	0	647333	3709.995	19	18.68	107.65%	2.790	3.003	-
						Left side	0	654667	3820.005	19	18.76	105.68%	2.010	2.124	-
						Left side	0	658333	3874.995	19	18.80	104.71%	1.960	2.052	-
						Left side	0	662000	3930	19	18.88	102.80%	1.830	1.881	-
NR n77 (ANT5)	Product specific 10-g SAR	100MHz	SCS 30kHz Pi/2 BPSK	1 RB	1	Left side	0	640000	3600	21	20.72	106.66%	2.020	2.155	-
						Left side	0	643667	3655.005	21	20.88	102.80%	2.850	2.930	-
						Left side	0	647333	3709.995	21	20.91	102.09%	3.480	3.553	291
						Left side*	0	647333	3709.995	21	20.91	102.09%	3.400	3.471	-
						Left side	0	654667	3820.005	21	20.62	109.14%	2.900	3.165	-
						Left side	0	658333	3874.995	21	20.98	100.46%	2.550	2.562	-
						Left side	0	662000	3930	21	20.88	102.80%	2.320	2.385	-
				135 RB	0	Left side	0	640000	3600	21	20.71	106.91%	1.910	2.042	-
						Left side	0	643667	3655.005	21	20.86	103.28%	2.560	2.644	-
						Left side	0	647333	3709.995	21	20.90	102.33%	3.110	3.182	-
						Left side	0	654667	3820.005	21	20.58	110.15%	2.690	2.963	-
						Left side	0	658333	3874.995	21	20.93	101.62%	2.370	2.409	-
						Left side	0	662000	3930	21	20.78	105.20%	2.200	2.314	-
				270 RB		Left side	0	640000	3600	21	20.71	106.91%	1.690	1.807	-
						Left side	0	643667	3655.005	21	20.83	103.99%	2.360	2.454	-
						Left side	0	647333	3709.995	21	20.87	103.04%	3.050	3.143	-
						Left side	0	654667	3820.005	21	20.59	109.90%	2.780	3.055	-
						Left side	0	658333	3874.995	21	20.88	102.80%	2.420	2.488	-
						Left side	0	662000	3930	21	20.81	104.47%	2.130	2.225	-

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

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Head

WLAN Ant 7

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	
WLAN 802.11b	RE Cheek	-	1	2412	18.00	17.91	1.04	102.09%	0.675	0.717	-
	RE Cheek	-	6	2437	18.00	17.99	1.04	100.23%	0.689	0.719	292
	RE Cheek	-	11	2462	18.00	17.93	1.04	101.62%	0.629	0.665	-
	Re Tilt	-	6	2437	18.00	17.99	1.04	100.23%	0.151	0.157	-
	LE Cheek	-	6	2437	18.00	17.99	1.04	100.23%	0.310	0.323	-
	LE Tilt	-	6	2437	18.00	17.99	1.04	100.23%	0.133	0.139	-
Bluetooth (GFSK)	RE Cheek	-	78	2480	14.00	12.66	1.04	136.14%	0.142	0.202	293
	Re Tilt	-	78	2480	14.00	12.66	1.04	136.14%	0.054	0.077	-
	LE Cheek	-	78	2480	14.00	12.66	1.04	136.14%	0.092	0.131	-
	LE Tilt	-	78	2480	14.00	12.66	1.04	136.14%	0.021	0.030	-
WLAN 802.11ac(80M) 5.2G	RE Cheek	-	42	5210	18.00	17.99	1.01	100.23%	0.199	0.201	294
	Re Tilt	-	42	5210	18.00	17.99	1.01	100.23%	0.135	0.137	-
	LE Cheek	-	42	5210	18.00	17.99	1.01	100.23%	0.100	0.101	-
	LE Tilt	-	42	5210	18.00	17.99	1.01	100.23%	0.061	0.062	-
WLAN 802.11ac(80M) 5.3G	RE Cheek	-	58	5290	18.00	17.99	1.01	100.23%	0.220	0.223	295
	Re Tilt	-	58	5290	18.00	17.99	1.01	100.23%	0.143	0.145	-
	LE Cheek	-	58	5290	18.00	17.99	1.01	100.23%	0.107	0.108	-
	LE Tilt	-	58	5290	18.00	17.99	1.01	100.23%	0.072	0.073	-
WLAN 802.11ac(80M) 5.6G	RE Cheek	-	106	5530	18.00	17.99	1.01	100.23%	0.525	0.532	296
	Re Tilt	-	106	5530	18.00	17.99	1.01	100.23%	0.295	0.299	-
	LE Cheek	-	106	5530	18.00	17.99	1.01	100.23%	0.209	0.212	-
	LE Tilt	-	106	5530	18.00	17.99	1.01	100.23%	0.034	0.034	-
WLAN 802.11ac(80M) 5.8G	RE Cheek	-	155	5775	18.00	17.99	1.01	100.23%	0.738	0.747	297
	Re Tilt	-	155	5775	18.00	17.99	1.01	100.23%	0.365	0.370	-
	LE Cheek	-	155	5775	18.00	17.99	1.01	100.23%	0.125	0.127	-
	LE Tilt	-	155	5775	18.00	17.99	1.01	100.23%	0.047	0.048	-

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WLAN Ant 8

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	
WLAN 802.11b	RE Cheek	-	6	2437	18.00	17.99	1.03	100.23%	0.243	0.250	-
	Re Tilt	-	6	2437	18.00	17.99	1.03	100.23%	0.341	0.351	-
	LE Cheek	-	6	2437	18.00	17.99	1.03	100.23%	0.560	0.577	-
	LE Tilt	-	1	2412	18.00	17.92	1.03	101.86%	0.771	0.807	-
	LE Tilt	-	6	2437	18.00	17.99	1.03	100.23%	0.663	0.683	-
	LE Tilt	-	11	2462	18.00	17.90	1.03	102.33%	0.809	0.851	298
	LE Tilt*	-	11	2462	18.00	17.90	1.03	102.33%	0.779	0.819	-
Bluetooth (GFSK)	RE Cheek	-	78	2480	14.00	13.04	1.04	124.74%	0.096	0.125	-
	Re Tilt	-	78	2480	14.00	13.04	1.04	124.74%	0.112	0.146	-
	LE Cheek	-	78	2480	14.00	13.04	1.04	124.74%	0.157	0.204	-
	LE Tilt	-	78	2480	14.00	13.04	1.04	124.74%	0.179	0.233	299
WLAN 802.11ac(80M) 5.2G	RE Cheek	-	42	5210	18.00	17.99	1.02	100.23%	0.113	0.115	-
	Re Tilt	-	42	5210	18.00	17.99	1.02	100.23%	0.167	0.170	-
	LE Cheek	-	42	5210	18.00	17.99	1.02	100.23%	0.347	0.353	-
	LE Tilt	-	42	5210	18.00	17.99	1.02	100.23%	0.367	0.373	300
WLAN 802.11ac(80M) 5.3G	RE Cheek	-	58	5290	18.00	17.99	1.02	100.23%	0.132	0.134	-
	Re Tilt	-	58	5290	18.00	17.99	1.02	100.23%	0.211	0.215	-
	LE Cheek	-	58	5290	18.00	17.99	1.02	100.23%	0.206	0.210	-
	LE Tilt	-	58	5290	18.00	17.99	1.02	100.23%	0.241	0.245	301
WLAN 802.11ac(80M) 5.6G	RE Cheek	-	106	5530	18.00	17.99	1.02	100.23%	0.105	0.107	-
	Re Tilt	-	106	5530	18.00	17.99	1.02	100.23%	0.142	0.144	-
	LE Cheek	-	106	5530	18.00	17.99	1.02	100.23%	0.137	0.139	-
	LE Tilt	-	106	5530	18.00	17.99	1.02	100.23%	0.172	0.175	302
WLAN 802.11ac(80M) 5.8G	RE Cheek	-	155	5775	18.00	17.99	1.02	100.23%	0.151	0.154	-
	Re Tilt	-	155	5775	18.00	17.99	1.02	100.23%	0.176	0.179	-
	LE Cheek	-	155	5775	18.00	17.99	1.02	100.23%	0.140	0.142	-
	LE Tilt	-	155	5775	18.00	17.99	1.02	100.23%	0.215	0.219	303

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

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Head (SISO/MIMO with WLAN)

WLAN Ant 7

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	
WLAN 802.11b	RE Cheek	-	1	2412	16.00	15.94	1.04	101.39%	0.434	0.458	-
	RE Cheek	-	6	2437	16.00	15.99	1.04	100.23%	0.451	0.470	304
	RE Cheek	-	11	2462	16.00	15.92	1.04	101.86%	0.414	0.439	-
	Re Tilt	-	6	2437	16.00	15.99	1.04	100.23%	0.092	0.096	-
	LE Cheek	-	6	2437	16.00	15.99	1.04	100.23%	0.224	0.234	-
	LE Tilt	-	6	2437	16.00	15.99	1.04	100.23%	0.083	0.087	-
WLAN 802.11ac(80M) 5.2G	RE Cheek	-	42	5210	16.00	15.98	1.01	100.46%	0.122	0.124	305
	Re Tilt	-	42	5210	16.00	15.98	1.01	100.46%	0.086	0.087	-
	LE Cheek	-	42	5210	16.00	15.98	1.01	100.46%	0.063	0.064	-
	LE Tilt	-	42	5210	16.00	15.98	1.01	100.46%	0.032	0.032	-
WLAN 802.11ac(80M) 5.3G	RE Cheek	-	58	5290	16.00	15.99	1.01	100.23%	0.143	0.145	306
	Re Tilt	-	58	5290	16.00	15.99	1.01	100.23%	0.095	0.096	-
	LE Cheek	-	58	5290	16.00	15.99	1.01	100.23%	0.063	0.064	-
	LE Tilt	-	58	5290	16.00	15.99	1.01	100.23%	0.042	0.043	-
WLAN 802.11ac(80M) 5.6G	RE Cheek	-	106	5530	16.00	15.99	1.01	100.23%	0.333	0.337	307
	Re Tilt	-	106	5530	16.00	15.99	1.01	100.23%	0.181	0.183	-
	LE Cheek	-	106	5530	16.00	15.99	1.01	100.23%	0.138	0.140	-
	LE Tilt	-	106	5530	16.00	15.99	1.01	100.23%	0.021	0.021	-
WLAN 802.11ac(80M) 5.8G	RE Cheek	-	155	5775	16.00	15.99	1.01	100.23%	0.472	0.478	308
	Re Tilt	-	155	5775	16.00	15.99	1.01	100.23%	0.231	0.234	-
	LE Cheek	-	155	5775	16.00	15.99	1.01	100.23%	0.073	0.074	-
	LE Tilt	-	155	5775	16.00	15.99	1.01	100.23%	0.036	0.036	-

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WLAN Ant 8

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	
WLAN 802.11b	RE Cheek	-	6	2437	16.00	15.99	1.03	100.23%	0.132	0.136	-
	Re Tilt	-	6	2437	16.00	15.99	1.03	100.23%	0.223	0.230	-
	LE Cheek	-	6	2437	16.00	15.99	1.03	100.23%	0.361	0.372	-
	LE Tilt	-	1	2412	16.00	15.98	1.03	100.46%	0.507	0.523	-
	LE Tilt	-	6	2437	16.00	15.99	1.03	100.23%	0.465	0.479	-
	LE Tilt	-	11	2462	16.00	15.93	1.03	101.62%	0.532	0.556	309
WLAN 802.11ac(80M) 5.2G	RE Cheek	-	42	5210	16.00	15.99	1.02	100.23%	0.074	0.075	-
	Re Tilt	-	42	5210	16.00	15.99	1.02	100.23%	0.108	0.110	-
	LE Cheek	-	42	5210	16.00	15.99	1.02	100.23%	0.227	0.231	-
	LE Tilt	-	42	5210	16.00	15.99	1.02	100.23%	0.232	0.236	310
WLAN 802.11ac(80M) 5.3G	RE Cheek	-	58	5290	16.00	15.99	1.02	100.23%	0.092	0.094	-
	Re Tilt	-	58	5290	16.00	15.99	1.02	100.23%	0.136	0.138	-
	LE Cheek	-	58	5290	16.00	15.99	1.02	100.23%	0.138	0.140	-
	LE Tilt	-	58	5290	16.00	15.99	1.02	100.23%	0.156	0.159	311
WLAN 802.11ac(80M) 5.6G	RE Cheek	-	106	5530	16.00	15.98	1.02	100.46%	0.064	0.065	-
	Re Tilt	-	106	5530	16.00	15.98	1.02	100.46%	0.093	0.095	-
	LE Cheek	-	106	5530	16.00	15.98	1.02	100.46%	0.082	0.084	-
	LE Tilt	-	106	5530	16.00	15.98	1.02	100.46%	0.107	0.109	312
WLAN 802.11ac(80M) 5.8G	RE Cheek	-	155	5775	16.00	15.99	1.02	100.23%	0.082	0.083	-
	Re Tilt	-	155	5775	16.00	15.99	1.02	100.23%	0.116	0.118	-
	LE Cheek	-	155	5775	16.00	15.99	1.02	100.23%	0.089	0.091	-
	LE Tilt	-	155	5775	16.00	15.99	1.02	100.23%	0.136	0.138	313

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Head (DBS with WLAN)

WLAN Ant 7

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	
WLAN 802.11b	RE Cheek	-	1	2412	13.00	12.94	1.04	101.39%	0.212	0.224	-
	RE Cheek	-	6	2437	13.00	12.99	1.04	100.23%	0.229	0.239	314
	RE Cheek	-	11	2462	13.00	12.91	1.04	102.09%	0.208	0.221	-
	Re Tilt	-	6	2437	13.00	12.99	1.04	100.23%	0.043	0.045	-
	LE Cheek	-	6	2437	13.00	12.99	1.04	100.23%	0.105	0.110	-
	LE Tilt	-	6	2437	13.00	12.99	1.04	100.23%	0.042	0.044	-
WLAN 802.11ac(80M) 5.2G	RE Cheek	-	42	5210	13.00	12.99	1.01	100.23%	0.062	0.063	315
	Re Tilt	-	42	5210	13.00	12.99	1.01	100.23%	0.047	0.048	-
	LE Cheek	-	42	5210	13.00	12.99	1.01	100.23%	0.035	0.035	-
	LE Tilt	-	42	5210	13.00	12.99	1.01	100.23%	0.012	0.012	-
WLAN 802.11ax(160M) 5.2G	RE Cheek	-	50	5250	13.00	12.99	1.04	100.23%	0.057	0.060	316
	Re Tilt	-	50	5250	13.00	12.99	1.04	100.23%	0.034	0.036	-
	LE Cheek	-	50	5250	13.00	12.99	1.04	100.23%	0.025	0.026	-
	LE Tilt	-	50	5250	13.00	12.99	1.04	100.23%	0.005	0.005	-
WLAN 802.11ac(80M) 5.3G	RE Cheek	-	58	5290	13.00	12.99	1.01	100.23%	0.075	0.076	317
	Re Tilt	-	58	5290	13.00	12.99	1.01	100.23%	0.049	0.050	-
	LE Cheek	-	58	5290	13.00	12.99	1.01	100.23%	0.039	0.039	-
	LE Tilt	-	58	5290	13.00	12.99	1.01	100.23%	0.032	0.032	-
WLAN 802.11ac(80M) 5.6G	RE Cheek	-	106	5530	13.00	12.98	1.01	100.46%	0.163	0.165	318
	Re Tilt	-	106	5530	13.00	12.98	1.01	100.46%	0.092	0.093	-
	LE Cheek	-	106	5530	13.00	12.98	1.01	100.46%	0.066	0.067	-
	LE Tilt	-	106	5530	13.00	12.98	1.01	100.46%	0.022	0.022	-
WLAN 802.11ax(160M) 5.6G	RE Cheek	-	114	5570	13.00	12.98	1.04	100.46%	0.147	0.154	319
	Re Tilt	-	114	5570	13.00	12.98	1.04	100.46%	0.068	0.071	-
	LE Cheek	-	114	5570	13.00	12.98	1.04	100.46%	0.061	0.064	-
	LE Tilt	-	114	5570	13.00	12.98	1.04	100.46%	0.021	0.022	-
WLAN 802.11ac(80M) 5.8G	RE Cheek	-	155	5775	13.00	12.97	1.01	100.69%	0.238	0.242	320
	Re Tilt	-	155	5775	13.00	12.97	1.01	100.69%	0.115	0.117	-
	LE Cheek	-	155	5775	13.00	12.97	1.01	100.69%	0.048	0.049	-
	LE Tilt	-	155	5775	13.00	12.97	1.01	100.69%	0.019	0.019	-

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WLAN Ant 8

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	
WLAN 802.11b	RE Cheek	-	6	2437	13.00	12.99	1.03	100.23%	0.072	0.074	-
	Re Tilt	-	6	2437	13.00	12.99	1.03	100.23%	0.115	0.118	-
	LE Cheek	-	6	2437	13.00	12.99	1.03	100.23%	0.184	0.190	-
	LE Tilt	-	1	2412	13.00	12.97	1.03	100.69%	0.251	0.260	-
	LE Tilt	-	6	2437	13.00	12.99	1.03	100.23%	0.223	0.230	-
	LE Tilt	-	11	2462	13.00	12.93	1.03	101.62%	0.265	0.277	321
WLAN 802.11ac(80M) 5.2G	RE Cheek	-	42	5210	13.00	12.93	1.02	101.62%	0.032	0.033	-
	Re Tilt	-	42	5210	13.00	12.93	1.02	101.62%	0.058	0.060	-
	LE Cheek	-	42	5210	13.00	12.93	1.02	101.62%	0.113	0.117	-
	LE Tilt	-	42	5210	13.00	12.93	1.02	101.62%	0.119	0.123	322
WLAN 802.11ax(160M) 5.2G	RE Cheek	-	50	5250	13.00	12.93	1.02	101.62%	0.023	0.024	-
	Re Tilt	-	50	5250	13.00	12.93	1.02	101.62%	0.043	0.045	-
	LE Cheek	-	50	5250	13.00	12.93	1.02	101.62%	0.102	0.106	-
	LE Tilt	-	50	5250	13.00	12.93	1.02	101.62%	0.111	0.115	323
WLAN 802.11ac(80M) 5.3G	RE Cheek	-	58	5290	13.00	12.99	1.02	100.23%	0.041	0.042	-
	Re Tilt	-	58	5290	13.00	12.99	1.02	100.23%	0.064	0.065	-
	LE Cheek	-	58	5290	13.00	12.99	1.02	100.23%	0.056	0.057	-
	LE Tilt	-	58	5290	13.00	12.99	1.02	100.23%	0.078	0.079	324
WLAN 802.11ac(80M) 5.6G	RE Cheek	-	106	5530	13.00	12.99	1.02	100.23%	0.037	0.038	-
	Re Tilt	-	106	5530	13.00	12.99	1.02	100.23%	0.049	0.050	-
	LE Cheek	-	106	5530	13.00	12.99	1.02	100.23%	0.048	0.049	-
	LE Tilt	-	106	5530	13.00	12.99	1.02	100.23%	0.059	0.060	325
WLAN 802.11ax(160M) 5.6G	RE Cheek	-	114	5570	13.00	12.99	1.02	100.23%	0.035	0.036	-
	Re Tilt	-	114	5570	13.00	12.99	1.02	100.23%	0.042	0.043	-
	LE Cheek	-	114	5570	13.00	12.99	1.02	100.23%	0.046	0.047	-
	LE Tilt	-	114	5570	13.00	12.99	1.02	100.23%	0.057	0.058	326
WLAN 802.11ac(80M) 5.8G	RE Cheek	-	155	5775	13.00	12.99	1.02	100.23%	0.043	0.044	-
	Re Tilt	-	155	5775	13.00	12.99	1.02	100.23%	0.058	0.059	-
	LE Cheek	-	155	5775	13.00	12.99	1.02	100.23%	0.037	0.038	-
	LE Tilt	-	155	5775	13.00	12.99	1.02	100.23%	0.066	0.067	327

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Body-worn

WLAN Ant 7

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	
Bluetooth (GFSK)	Front side	15	78	2480	14.00	12.66	1.04	136.14%	0.015	0.021	-
	Back side	15	0	2402	14.00	12.01	1.04	158.12%	0.015	0.025	-
	Back side	15	39	2441	14.00	12.37	1.04	145.55%	0.017	0.026	-
	Back side	15	78	2480	14.00	12.66	1.04	136.14%	0.023	0.033	328
WLAN 802.11ac(80M) 5.3G	Front side	15	58	5290	18.00	17.99	1.01	100.23%	0.078	0.079	-
	Back side	15	58	5290	18.00	17.99	1.01	100.23%	0.089	0.091	329
WLAN 802.11ac(80M) 5.6G	Front side	15	106	5530	18.00	17.99	1.01	100.23%	0.088	0.089	-
	Back side	15	106	5530	18.00	17.99	1.01	100.23%	0.170	0.172	330

WLAN Ant 8

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	
Bluetooth (GFSK)	Front side	15	78	2480	14.00	13.04	1.04	124.74%	0.002	0.003	-
	Back side	15	0	2402	14.00	12.03	1.04	157.40%	0.002	0.003	-
	Back side	15	39	2441	14.00	12.96	1.04	127.06%	0.004	0.005	-
	Back side	15	78	2480	14.00	13.04	1.04	124.74%	0.007	0.009	331
WLAN 802.11ac(80M) 5.3G	Front side	15	58	5290	18.00	17.99	1.02	100.23%	0.045	0.046	-
	Back side	15	58	5290	18.00	17.99	1.02	100.23%	0.354	0.360	332
WLAN 802.11ac(80M) 5.6G	Front side	15	106	5530	18.00	17.99	1.02	100.23%	0.121	0.123	-
	Back side	15	106	5530	18.00	17.99	1.02	100.23%	0.372	0.379	333

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Hotspot mode

WLAN Ant 7

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	
WLAN 802.11b	Front side	10	6	2437	18.00	17.99	1.04	100.23%	0.147	0.153	-
	Back side	10	6	2437	18.00	17.99	1.04	100.23%	0.136	0.142	-
	Top side	10	6	2437	18.00	17.99	1.04	100.23%	0.045	0.047	-
	Bottom side	10	6	2437	18.00	17.99	1.04	100.23%	0.021	0.022	-
	Right side	10	6	2437	18.00	17.99	1.04	100.23%	0.023	0.024	-
	Left side	10	1	2412	18.00	17.91	1.04	102.09%	0.238	0.253	-
	Left side	10	6	2437	18.00	17.99	1.04	100.23%	0.244	0.254	334
	Left side	10	11	2462	18.00	17.93	1.04	101.62%	0.219	0.232	-
Bluetooth (GFSK)	Front side	10	78	2480	14.00	12.66	1.04	136.14%	0.055	0.078	-
	Back side	10	78	2480	14.00	12.66	1.04	136.14%	0.043	0.062	-
	Top side	10	78	2480	14.00	12.66	1.04	136.14%	0.011	0.016	-
	Bottom side	10	78	2480	14.00	12.66	1.04	136.14%	0.005	0.008	-
	Right side	10	78	2480	14.00	12.66	1.04	136.14%	0.006	0.008	-
	Left side	10	78	2480	14.00	12.66	1.04	136.14%	0.059	0.084	335
WLAN 802.11ac(80M) 5.2G	Front side	10	42	5210	18.00	17.99	1.01	100.23%	0.027	0.028	-
	Back side	10	42	5210	18.00	17.99	1.01	100.23%	0.059	0.059	336
	Top side	10	42	5210	18.00	17.99	1.01	100.23%	0.006	0.006	-
	Bottom side	10	42	5210	18.00	17.99	1.01	100.23%	0.004	0.004	-
	Right side	10	42	5210	18.00	17.99	1.01	100.23%	0.004	0.004	-
	Left side	10	42	5210	18.00	17.99	1.01	100.23%	0.055	0.055	-
WLAN 802.11ac(80M) 5.8G	Front side	10	155	5775	18.00	17.99	1.01	100.23%	0.124	0.126	-
	Back side	10	155	5775	18.00	17.99	1.01	100.23%	0.121	0.123	-
	Top side	10	155	5775	18.00	17.99	1.01	100.23%	0.023	0.023	-
	Bottom side	10	155	5775	18.00	17.99	1.01	100.23%	0.024	0.024	-
	Right side	10	155	5775	18.00	17.99	1.01	100.23%	0.083	0.084	-
	Left side	10	155	5775	18.00	17.99	1.01	100.23%	0.201	0.203	337

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WLAN Ant 8

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	
WLAN 802.11b	Front side	10	6	2437	18.00	17.99	1.03	100.23%	0.027	0.028	-
	Back side	10	6	2437	18.00	17.99	1.03	100.23%	0.027	0.028	-
	Top side	10	1	2412	18.00	17.92	1.03	101.86%	0.148	0.155	-
	Top side	10	6	2437	18.00	17.99	1.03	100.23%	0.171	0.176	338
	Top side	10	11	2462	18.00	17.90	1.03	102.33%	0.164	0.172	-
	Bottom side	10	6	2437	18.00	17.99	1.03	100.23%	0.003	0.003	-
	Right side	10	6	2437	18.00	17.99	1.03	100.23%	0.002	0.002	-
	Left side	10	6	2437	18.00	17.99	1.03	100.23%	0.001	0.001	-
Bluetooth (GFSK)	Front side	10	78	2480	14.00	13.04	1.04	124.74%	0.003	0.003	-
	Back side	10	78	2480	14.00	13.04	1.04	124.74%	0.003	0.003	-
	Top side	10	78	2480	14.00	13.04	1.04	124.74%	0.029	0.038	339
	Bottom side	10	78	2480	14.00	13.04	1.04	124.74%	0.002	0.002	-
	Right side	10	78	2480	14.00	13.04	1.04	124.74%	0.001	0.001	-
	Left side	10	78	2480	14.00	13.04	1.04	124.74%	0.001	0.001	-
WLAN 802.11ac(80M) 5.2G	Front side	10	42	5210	18.00	17.99	1.02	100.23%	0.071	0.072	-
	Back side	10	42	5210	18.00	17.99	1.02	100.23%	0.462	0.470	340
	Top side	10	42	5210	18.00	17.99	1.02	100.23%	0.207	0.211	-
	Bottom side	10	42	5210	18.00	17.99	1.02	100.23%	0.028	0.029	-
	Right side	10	42	5210	18.00	17.99	1.02	100.23%	0.016	0.016	-
	Left side	10	42	5210	18.00	17.99	1.02	100.23%	0.080	0.082	-
WLAN 802.11ac(80M) 5.8G	Front side	10	155	5775	18.00	17.99	1.02	100.23%	0.055	0.056	-
	Back side	10	155	5775	18.00	17.99	1.02	100.23%	0.375	0.382	341
	Top side	10	155	5775	18.00	17.99	1.02	100.23%	0.218	0.222	-
	Bottom side	10	155	5775	18.00	17.99	1.02	100.23%	0.040	0.040	-
	Right side	10	155	5775	18.00	17.99	1.02	100.23%	0.073	0.075	-
	Left side	10	155	5775	18.00	17.99	1.02	100.23%	0.056	0.057	-

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Product specific 10-g SAR

WLAN Ant 7

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 10g (W/kg)		Plot page
									Measured	Reported	
Bluetooth (GFSK)	Front side	0	78	2480	14.00	12.66	1.04	136.14%	0.101	0.144	-
	Back side	0	78	2480	14.00	12.66	1.04	136.14%	0.093	0.132	-
	Top side	0	78	2480	14.00	12.66	1.04	136.14%	0.034	0.049	-
	Bottom side	0	78	2480	14.00	12.66	1.04	136.14%	0.002	0.003	-
	Right side	0	78	2480	14.00	12.66	1.04	136.14%	0.037	0.052	-
	Left side	0	78	2480	14.00	12.66	1.04	136.14%	0.104	0.148	342
WLAN 802.11ac(80M) 5.3G	Front side	0	58	5290	18.00	17.99	1.01	100.23%	0.182	0.184	-
	Back side	0	58	5290	18.00	17.99	1.01	100.23%	0.221	0.224	343
	Top side	0	58	5290	18.00	17.99	1.01	100.23%	0.184	0.186	-
	Bottom side	0	58	5290	18.00	17.99	1.01	100.23%	0.011	0.011	-
	Right side	0	58	5290	18.00	17.99	1.01	100.23%	0.011	0.011	-
	Left side	0	58	5290	18.00	17.99	1.01	100.23%	0.213	0.216	-
WLAN 802.11ac(80M) 5.6G	Front side	0	106	5530	18.00	17.99	1.01	100.23%	0.366	0.371	-
	Back side	0	106	5530	18.00	17.99	1.01	100.23%	0.409	0.414	344
	Top side	0	106	5530	18.00	17.99	1.01	100.23%	0.029	0.029	-
	Bottom side	0	106	5530	18.00	17.99	1.01	100.23%	0.011	0.011	-
	Right side	0	106	5530	18.00	17.99	1.01	100.23%	0.013	0.013	-
	Left side	0	106	5530	18.00	17.99	1.01	100.23%	0.252	0.255	-

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WLAN Ant 8

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 10g (W/kg)		Plot page
									Measured	Reported	
Bluetooth (GFSK)	Front side	0	78	2480	14.00	13.04	1.04	124.74%	0.042	0.055	-
	Back side	0	78	2480	14.00	13.04	1.04	124.74%	0.075	0.098	-
	Top side	0	78	2480	14.00	13.04	1.04	124.74%	0.199	0.259	345
	Bottom side	0	78	2480	14.00	13.04	1.04	124.74%	0.002	0.002	-
	Right side	0	78	2480	14.00	13.04	1.04	124.74%	0.032	0.041	-
	Left side	0	78	2480	14.00	13.04	1.04	124.74%	0.006	0.008	-
WLAN 802.11ac(80M) 5.3G	Front side	0	58	5290	18.00	17.99	1.02	100.23%	0.134	0.136	-
	Back side	0	58	5290	18.00	17.99	1.02	100.23%	0.776	0.790	346
	Top side	0	58	5290	18.00	17.99	1.02	100.23%	0.383	0.390	-
	Bottom side	0	58	5290	18.00	17.99	1.02	100.23%	0.012	0.012	-
	Right side	0	58	5290	18.00	17.99	1.02	100.23%	0.095	0.097	-
	Left side	0	58	5290	18.00	17.99	1.02	100.23%	0.029	0.030	-
WLAN 802.11ac(80M) 5.6G	Front side	0	106	5530	18.00	17.99	1.02	100.23%	0.141	0.143	-
	Back side	0	106	5530	18.00	17.99	1.02	100.23%	0.722	0.735	347
	Top side	0	106	5530	18.00	17.99	1.02	100.23%	0.356	0.362	-
	Bottom side	0	106	5530	18.00	17.99	1.02	100.23%	0.014	0.014	-
	Right side	0	106	5530	18.00	17.99	1.02	100.23%	0.084	0.085	-
	Left side	0	106	5530	18.00	17.99	1.02	100.23%	0.032	0.033	-

Note:

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

Reported SAR = measured SAR * (scaling)

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

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2.3 Supplemental Head SAR results

Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135
GSM 850	GMSK	836.6	190	N/A	N/A	Left Cheek	0mm	0.0801	0.108	0.056	0.079	0.036	0.097	0.053	0.034	0.033	0.0019	0.031	0.081	0.042	0.023	0.078	0.033	0.03	0.033
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	1	10	19	28	37	46	55	64	73	82	91	100	109	118	127	136
WCDMA Band V	RMC 12.2 Kbps	826.4	4132	N/A	N/A	Left Cheek	0mm	0.0974	0.133	0.118	0.008	0.13	0.112	0.081	0.017	0.051	0.085	0.049	0.118	0.036	0.097	0.116	0.024	0.129	0.002
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	2	11	20	29	38	47	56	65	74	83	92	101	110	119	128	137
LTE Band 5	QPSK	836.5	20525	1RB	0	Left Cheek	0mm	0.132	0.192	0.005	0.164	0.152	0.004	0.105	0.137	0.044	0.11	0.177	0.128	0.157	0.089	0.138	0.086	0.152	0.05
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	3	12	21	30	39	48	57	66	75	84	93	102	111	120	129	138
LTE Band 12	QPSK	711	23130	1RB	0	Left Cheek	0mm	0.105	0.127	0.092	0.078	0.035	0.102	0.117	0.066	0.018	0.038	0.104	0.021	0.01	0.028	0.092	0.021	0.015	0.052
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	4	13	22	31	40	49	58	67	76	85	94	103	112	121	130	139
LTE Band 17	QPSK	711	23800	1RB	0	Left Cheek	0mm	0.11	0.214	0.044	0.14	0.15	0.207	0.031	0.038	0.093	0.022	0.159	0.079	0.167	0.174	0.086	0.058	0.156	0.21
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	5	14	23	32	41	50	59	68	77	86	95	104	113	122	131	140
LTE Band 26	QPSK	841.5	26965	1RB	0	Left Cheek	0mm	0.0973	0.123	0.035	0.002	0.049	0.107	0.065	0.017	0.035	0.086	0.042	0.013	0.052	0.017	0.073	0.015	0.104	0.087
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	6	15	24	33	42	51	60	69	78	87	96	105	114	123	132	141
LTE Band 71	QPSK	673	133222	1RB	0	Left Cheek	0mm	0.0714	0.105	0.095	0.059	0.084	0.021	0.038	0.025	0.061	0.057	0.062	0.0093	0.035	0.018	0.013	0.013	0.088	0.008
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	7	16	25	34	43	52	61	70	79	88	97	106	115	124	133	142
5G NR n5	PI/2 BPSK	834	166800	1RB	1	Left Cheek	0mm	0.0846	0.117	0.043	0.083	0.068	0.054	0.047	0.103	0.072	0.089	0.031	0.002	0.03	0.07	0.042	0.098	0.07	0.088
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	8	17	26	35	44	53	62	71	80	89	98	107	116	125	134	143
5G NR n12	PI/2 BPSK	708.5	141700	1RB	1	Left Cheek	0mm	0.0411	0.0774	0.058	0.043	0.028	0.023	0.0013	0.063	0.064	0.04	0.067	0.073	0.061	0.004	0.053	0.065	0.054	0.044

2.4 Supplemental Body-worn SAR results

Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
GSM 850	GMSK	836.6	190	N/A	N/A	Back side	15mm	0.095	0.125	0.049	0.115	0.027	0.047	0.12	0.069	0.065	0.04	0.064	0.063	0.037	0.053	0.024	0.033	0.025	0.049
										16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
										0.101	0.115	0.003	0.04	0.111	0.111	0.019	0.006	0.099	0.053	0.116	0.075	0.061	0.074	0.029	0.05
										32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
										0.061	0.044	0.088	0.103	0.014	0.02	0.022	0.071	0.076	0.057	0.087	0.047	0.013	0.071	0.075	0.116
										48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
										0.074	0.099	0.019	0.053	0.081	0.038	0.039	0.114	0.07	0.008	0.09	0.057	0.064	0.12	0.096	0.061
										64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
										0.044	0.047	0.01	0	0.068	0.117	0.033	0.077	0.054	0.064	0.018	0.018	0.038	0.029	0.023	0.099
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
										0.01	0.045	0.062	0.032	0.055	0.041	0.015	0.072	0.036	0.006	0.098	0.111	0.039	0.057	0.023	0.121
										96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
										0.108	0.017	0.101	0.112	0.094	0.051	0.059	0.008	0.094	0.033	0.112	0.072	0.051	0.119	0.039	0.026
										112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
										0.077	0.043	0.093	0.04	0.024	0.038	0.106	0.035	0.046	0.014	0.04	0.107	0.054	0.013	0.05	0.101
										128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
										0.08	0.087	0.122	0.071	0.076	0.046	0.053	0.062	0.006	0.097	0.018	0.122	0.022	0.077	0.035	0.037

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2.5 Supplemental Hotspot SAR results

Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135
GPRS 850_2up	GMSK	836.6	190	N/A	N/A	Front side	10mm	0.325	0.505	0.004	0.472	0.353	0.367	0.074	0.034	0.107	0.148	0.115	0.474	0.009	0.324	0.385	0.321	0.431	0.064
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	1	10	19	28	37	46	55	64	73	82	91	100	109	118	127	136
WCDMA Band V	RMC 12.2 Kbps	826.4	4132	N/A	N/A	Bottom side	10mm	0.145	0.323	0.142	0.173	0.268	0.317	0.194	0.102	0.127	0.275	0.1	0.173	0.028	0.164	0.026	0.292	0.095	0.102
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	2	11	20	29	38	47	56	65	74	83	92	101	110	119	128	137
LTE Band 5	QPSK	836.5	20525	1RB	0	Bottom side	10mm	0.119	0.176	0.127	0.125	0.053	0.076	0.161	0.137	0.1	0.145	0.127	0.04	0.068	0.116	0.125	0.146	0.053	0.146
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	3	12	21	30	39	48	57	66	75	84	93	102	111	120	129	138
LTE Band 12	QPSK	711	23130	1RB	0	Bottom side	10mm	0.0661	0.0801	0.068	0.015	0.028	0.034	0.07	0.069	0.031	0.034	0.011	0.046	0.02	0.006	0.071	0.038	0.001	0.064
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	4	13	22	31	40	49	58	67	76	85	94	103	112	121	130	139
LTE Band 17	QPSK	711	23800	1RB	0	Bottom side	10mm	0.0639	0.0898	0.005	0.005	0.08	0.005	0.05	0.06	0.083	0.002	0.015	0.005	0.065	0.057	0.078	0.04	0.012	0.028
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	5	14	23	32	41	50	59	68	77	86	95	104	113	122	131	140
LTE Band 26	QPSK	841.5	26965	1RB	0	Bottom side	10mm	0.0926	0.11	0.064	0.071	0.079	0.066	0.072	0.026	0.094	0.083	0.057	0.017	0.057	0.049	0.093	0.103	0.049	0.036
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	6	15	24	33	42	51	60	69	78	87	96	105	114	123	132	141
LTE Band 71	QPSK	688	133372	1RB	0	Bottom side	10mm	0.0411	0.0752	0.009	0.025	0.068	0.019	0.026	0.011	0.034	0.031	0.021	0.064	0.038	0.016	0.058	0.044	0.032	0.012
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	7	16	25	34	43	52	61	70	79	88	97	106	115	124	133	142
5G NR n5	PI/2 BPSK	834	166800	1RB	1	Bottom side	10mm	0.114	0.146	0.126	0.101	0.142	0.141	0.076	0.137	0.03	0.051	0.032	0.116	0.006	0.039	0.017	0.105	0.013	0.055
Mode	Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test position	Test distance	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	8	17	26	35	44	53	62	71	80	89	98	107	116	125	134	143
5G NR n12	PI/2 BPSK	708.5	141700	1RB	1	Front side	10mm	0.0805	0.114	0.052	0.01	0.053	0.007	0.077	0.084	0.006	0.025	0.024	0.103	0.086	0.102	0.101	0.052	0.058	0.024

2.6 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:

Simultaneous Transmit Configurations	Head	Body	Hotspot	Product specific 10-g SAR
WWAN + WLAN 2.4GHz ANT7 + WLAN 2.4GHz ANT8 + BT ANT7	Yes	Yes	Yes	Yes
WWAN + WLAN 2.4GHz ANT7 + WLAN 2.4GHz ANT8 + BT ANT8	Yes	Yes	Yes	Yes
WWAN + WLAN 5GHz ANT7 + WLAN 5GHz ANT8 + BT ANT7	Yes	Yes	Yes	Yes
WWAN + WLAN 5GHz ANT7 + WLAN 5GHz ANT8 + BT ANT8	Yes	Yes	Yes	Yes
WWAN+WLAN 2.4GHz + 5GHz (ANT7)+WLAN 2.4GHz + 5GHz (ANT8)+BT ANT7	Yes	Yes	Yes	Yes
WWAN+WLAN 2.4GHz + 5GHz (ANT7)+WLAN 2.4GHz + 5GHz (ANT8)+BT ANT8	Yes	Yes	Yes	Yes

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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:

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

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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Simultaneous Transmission Combination

Head SISO+MIMO

WWAN With WLAN SISO/MIMO

The simultaneous head exposure conditions:

WWAN	Exposure position 1g(W/kg)	1	2	3	4	5	6	7	1+2+3+6 Sum	1+2+3+7 Sum	1+4+5+6 Sum	1+4+5+7 Sum
		WWAN	WLAN 2.4GHz Ant7	WLAN 2.4GHz Ant8	WLAN 5GHz Ant7	WLAN 5GHz Ant8	Bluetooth Ant7	Bluetooth Ant8				
GSM 850 Ant1	ReCheek	0.068	0.470	0.136	0.478	0.094	0.202	0.125	0.876	0.800	0.842	0.765
	ReTilt	0.045	0.096	0.230	0.234	0.138	0.077	0.146	0.448	0.517	0.494	0.563
	LeCheek	0.088	0.234	0.372	0.140	0.231	0.131	0.204	0.824	0.898	0.590	0.663
	LeTilt	0.035	0.087	0.556	0.043	0.236	0.030	0.233	0.707	0.911	0.344	0.547
GSM 850 Ant3	ReCheek	0.756	0.470	0.136	0.478	0.094	0.202	0.125	1.564	1.487	1.529	1.452
	ReTilt	0.243	0.096	0.230	0.234	0.138	0.077	0.146	0.645	0.714	0.692	0.761
	LeCheek	0.373	0.234	0.372	0.140	0.231	0.131	0.204	1.109	1.183	0.874	0.948
	LeTilt	0.152	0.087	0.556	0.043	0.236	0.030	0.233	0.825	1.028	0.461	0.664
GSM 1900 Ant2	ReCheek	0.038	0.470	0.136	0.478	0.094	0.202	0.125	0.846	0.770	0.812	0.735
	ReTilt	0.003	0.096	0.230	0.234	0.138	0.077	0.146	0.405	0.474	0.452	0.521
	LeCheek	0.020	0.234	0.372	0.140	0.231	0.131	0.204	0.757	0.830	0.522	0.596
	LeTilt	0.004	0.087	0.556	0.043	0.236	0.030	0.233	0.676	0.879	0.312	0.515
WCDMA Band II Ant2	ReCheek	0.098	0.470	0.136	0.478	0.094	0.202	0.125	0.907	0.830	0.872	0.795
	ReTilt	0.007	0.096	0.230	0.234	0.138	0.077	0.146	0.410	0.479	0.456	0.525
	LeCheek	0.088	0.234	0.372	0.140	0.231	0.131	0.204	0.824	0.898	0.589	0.663
	LeTilt	0.006	0.087	0.556	0.043	0.236	0.030	0.233	0.678	0.881	0.315	0.518
WCDMA Band IV Ant2	ReCheek	0.038	0.470	0.136	0.478	0.094	0.202	0.125	0.846	0.770	0.811	0.735
	ReTilt	0.004	0.096	0.230	0.234	0.138	0.077	0.146	0.407	0.476	0.453	0.522
	LeCheek	0.056	0.234	0.372	0.140	0.231	0.131	0.204	0.792	0.865	0.557	0.631
	LeTilt	0.006	0.087	0.556	0.043	0.236	0.030	0.233	0.678	0.881	0.314	0.517
WCDMA Band V Ant1	ReCheek	0.064	0.470	0.136	0.478	0.094	0.202	0.125	0.872	0.795	0.837	0.760
	ReTilt	0.044	0.096	0.230	0.234	0.138	0.077	0.146	0.446	0.516	0.493	0.562
	LeCheek	0.116	0.234	0.372	0.140	0.231	0.131	0.204	0.852	0.926	0.617	0.691
	LeTilt	0.034	0.087	0.556	0.043	0.236	0.030	0.233	0.706	0.909	0.343	0.546
WCDMA Band V Ant3	ReCheek	0.762	0.470	0.136	0.478	0.094	0.202	0.125	1.570	1.493	1.535	1.459
	ReTilt	0.163	0.096	0.230	0.234	0.138	0.077	0.146	0.565	0.634	0.612	0.681
	LeCheek	0.345	0.234	0.372	0.140	0.231	0.131	0.204	1.081	1.155	0.847	0.920
	LeTilt	0.128	0.087	0.556	0.043	0.236	0.030	0.233	0.800	1.003	0.436	0.639
LTE Band 2 Ant2	ReCheek	0.100	0.470	0.136	0.478	0.094	0.202	0.125	0.909	0.832	0.874	0.797
	ReTilt	0.027	0.096	0.230	0.234	0.138	0.077	0.146	0.429	0.498	0.476	0.545
	LeCheek	0.049	0.234	0.372	0.140	0.231	0.131	0.204	0.785	0.859	0.550	0.624
	LeTilt	0.018	0.087	0.556	0.043	0.236	0.030	0.233	0.691	0.894	0.327	0.530
LTE Band 4 Ant1	ReCheek	0.082	0.470	0.136	0.478	0.094	0.202	0.125	0.890	0.813	0.855	0.778
	ReTilt	0.035	0.096	0.230	0.234	0.138	0.077	0.146	0.438	0.507	0.484	0.553
	LeCheek	0.029	0.234	0.372	0.140	0.231	0.131	0.204	0.765	0.839	0.531	0.604
	LeTilt	0.042	0.087	0.556	0.043	0.236	0.030	0.233	0.714	0.917	0.351	0.554
LTE Band 5 Ant1	ReCheek	0.066	0.470	0.136	0.478	0.094	0.202	0.125	0.874	0.797	0.839	0.762
	ReTilt	0.038	0.096	0.230	0.234	0.138	0.077	0.146	0.440	0.509	0.487	0.556
	LeCheek	0.164	0.234	0.372	0.140	0.231	0.131	0.204	0.901	0.974	0.666	0.739
	LeTilt	0.005	0.087	0.556	0.043	0.236	0.030	0.233	0.677	0.880	0.313	0.516
LTE Band 5 Ant3	ReCheek	0.746	0.470	0.136	0.478	0.094	0.202	0.125	1.554	1.478	1.519	1.443
	ReTilt	0.179	0.096	0.230	0.234	0.138	0.077	0.146	0.582	0.651	0.628	0.697
	LeCheek	0.434	0.234	0.372	0.140	0.231	0.131	0.204	1.170	1.244	0.936	1.009
	LeTilt	0.150	0.087	0.556	0.043	0.236	0.030	0.233	0.822	1.025	0.459	0.662
LTE Band 7 Ant1	ReCheek	0.052	0.470	0.136	0.478	0.094	0.202	0.125	0.860	0.783	0.825	0.748
	ReTilt	0.015	0.096	0.230	0.234	0.138	0.077	0.146	0.417	0.487	0.464	0.533
	LeCheek	0.039	0.234	0.372	0.140	0.231	0.131	0.204	0.775	0.849	0.540	0.614
	LeTilt	0.013	0.087	0.556	0.043	0.236	0.030	0.233	0.685	0.888	0.322	0.525
LTE Band 7 Ant2	ReCheek	0.268	0.470	0.136	0.478	0.094	0.202	0.125	1.076	1.000	1.041	0.965
	ReTilt	0.090	0.096	0.230	0.234	0.138	0.077	0.146	0.493	0.562	0.539	0.608
	LeCheek	0.182	0.234	0.372	0.140	0.231	0.131	0.204	0.918	0.992	0.683	0.757
	LeTilt	0.067	0.087	0.556	0.043	0.236	0.030	0.233	0.739	0.942	0.375	0.578
LTE Band 12 Ant1	ReCheek	0.046	0.470	0.136	0.478	0.094	0.202	0.125	0.854	0.778	0.820	0.743
	ReTilt	0.036	0.096	0.230	0.234	0.138	0.077	0.146	0.438	0.507	0.485	0.554
	LeCheek	0.125	0.234	0.372	0.140	0.231	0.131	0.204	0.862	0.935	0.627	0.700
	LeTilt	0.045	0.087	0.556	0.043	0.236	0.030	0.233	0.717	0.920	0.354	0.557
LTE Band 12 Ant3	ReCheek	0.463	0.470	0.136	0.478	0.094	0.202	0.125	1.271	1.194	1.236	1.159
	ReTilt	0.188	0.096	0.230	0.234	0.138	0.077	0.146	0.590	0.659	0.637	0.706
	LeCheek	0.250	0.234	0.372	0.140	0.231	0.131	0.204	0.986	1.060	0.752	0.825
	LeTilt	0.023	0.087	0.556	0.043	0.236	0.030	0.233	0.695	0.898	0.331	0.534
LTE Band 17 Ant1	ReCheek	0.035	0.470	0.136	0.478	0.094	0.202	0.125	0.843	0.766	0.808	0.732
	ReTilt	0.027	0.096	0.230	0.234	0.138	0.077	0.146	0.430	0.499	0.476	0.545
	LeCheek	0.133	0.234	0.372	0.140	0.231	0.131	0.204	0.870	0.943	0.635	0.709
	LeTilt	0.038	0.087	0.556	0.043	0.236	0.030	0.233	0.710	0.913	0.346	0.549
LTE Band 17 Ant3	ReCheek	0.452	0.470	0.136	0.478	0.094	0.202	0.125	1.260	1.184	1.225	1.149
	ReTilt	0.183	0.096	0.230	0.234	0.138	0.077	0.146	0.586	0.655	0.632	0.701
	LeCheek	0.343	0.234	0.372	0.140	0.231	0.131	0.204	1.079	1.153	0.845	0.918
	LeTilt	0.022	0.087	0.556	0.043	0.236	0.030	0.233	0.694	0.897	0.331	0.534
LTE Band 25 Ant2	ReCheek	0.096	0.470	0.136	0.478	0.094	0.202	0.125	0.904	0.828	0.869	0.793
	ReTilt	0.024	0.096	0.230	0.234	0.138	0.077	0.146	0.427	0.496	0.473	0.542
	LeCheek	0.063	0.234	0.372	0.140	0.231	0.131	0.204	0.799	0.873	0.564	0.638
	LeTilt	0.036	0.087	0.556	0.043	0.236	0.030	0.233	0.708	0.911	0.344	0.547

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WWAN With WLAN SISO/MIMO

The simultaneous head exposure conditions:

WWAN	Exposure position 1g(W/kg)	1	2	3	4	5	6	7	1+2+3+6 Sum	1+2+3+7 Sum	1+4+5+6 Sum	1+4+5+7 Sum
		WWAN	WLAN 2.4GHz Ant7	WLAN 2.4GHz Ant8	WLAN 5GHz Ant7	WLAN 5GHz Ant8	Bluetooth Ant7	Bluetooth Ant8				
LTE Band 26 Ant1	ReCheek	0.050	0.470	0.136	0.478	0.094	0.202	0.125	0.858	0.782	0.823	0.747
	ReTilt	0.035	0.096	0.230	0.234	0.138	0.077	0.146	0.437	0.506	0.484	0.553
	LeCheek	0.122	0.234	0.372	0.140	0.231	0.131	0.204	0.858	0.932	0.623	0.697
	LeTilt	0.018	0.087	0.556	0.043	0.236	0.030	0.233	0.690	0.893	0.326	0.530
LTE Band 26 Ant3	ReCheek	0.733	0.470	0.136	0.478	0.094	0.202	0.125	1.541	1.465	1.506	1.430
	ReTilt	0.201	0.096	0.230	0.234	0.138	0.077	0.146	0.604	0.673	0.650	0.719
	LeCheek	0.372	0.234	0.372	0.140	0.231	0.131	0.204	1.108	1.182	0.874	0.947
	LeTilt	0.130	0.087	0.556	0.043	0.236	0.030	0.233	0.802	1.005	0.438	0.641
LTE Band 30 Ant2	ReCheek	0.221	0.470	0.136	0.478	0.094	0.202	0.125	1.029	0.953	0.994	0.918
	ReTilt	0.080	0.096	0.230	0.234	0.138	0.077	0.146	0.483	0.552	0.529	0.598
	LeCheek	0.142	0.234	0.372	0.140	0.231	0.131	0.204	0.878	0.952	0.643	0.717
	LeTilt	0.065	0.087	0.556	0.043	0.236	0.030	0.233	0.737	0.941	0.374	0.577
LTE Band 38 Ant2	ReCheek	0.115	0.470	0.136	0.478	0.094	0.202	0.125	0.923	0.847	0.889	0.812
	ReTilt	0.036	0.096	0.230	0.234	0.138	0.077	0.146	0.438	0.507	0.485	0.554
	LeCheek	0.084	0.234	0.372	0.140	0.231	0.131	0.204	0.821	0.894	0.586	0.660
	LeTilt	0.038	0.087	0.556	0.043	0.236	0.030	0.233	0.711	0.914	0.347	0.550
LTE Band 41 Ant2	ReCheek	0.153	0.470	0.136	0.478	0.094	0.202	0.125	0.961	0.884	0.926	0.849
	ReTilt	0.022	0.096	0.230	0.234	0.138	0.077	0.146	0.424	0.494	0.471	0.540
	LeCheek	0.072	0.234	0.372	0.140	0.231	0.131	0.204	0.808	0.881	0.573	0.647
	LeTilt	0.028	0.087	0.556	0.043	0.236	0.030	0.233	0.700	0.903	0.337	0.540
LTE Band 66 Ant2	ReCheek	0.079	0.470	0.136	0.478	0.094	0.202	0.125	0.888	0.811	0.853	0.776
	ReTilt	0.037	0.096	0.230	0.234	0.138	0.077	0.146	0.440	0.509	0.486	0.555
	LeCheek	0.055	0.234	0.372	0.140	0.231	0.131	0.204	0.792	0.865	0.557	0.630
	LeTilt	0.016	0.087	0.556	0.043	0.236	0.030	0.233	0.689	0.892	0.325	0.528
LTE Band 71 Ant1	ReCheek	0.036	0.470	0.136	0.478	0.094	0.202	0.125	0.844	0.767	0.809	0.732
	ReTilt	0.018	0.096	0.230	0.234	0.138	0.077	0.146	0.421	0.490	0.467	0.536
	LeCheek	0.092	0.234	0.372	0.140	0.231	0.131	0.204	0.828	0.902	0.593	0.667
	LeTilt	0.011	0.087	0.556	0.043	0.236	0.030	0.233	0.684	0.887	0.320	0.523
LTE Band 71 Ant3	ReCheek	0.732	0.470	0.136	0.478	0.094	0.202	0.125	1.540	1.464	1.505	1.429
	ReTilt	0.241	0.096	0.230	0.234	0.138	0.077	0.146	0.644	0.713	0.690	0.759
	LeCheek	0.578	0.234	0.372	0.140	0.231	0.131	0.204	1.314	1.388	1.079	1.153
	LeTilt	0.006	0.087	0.556	0.043	0.236	0.030	0.233	0.678	0.881	0.315	0.518
NR n2 Ant2	ReCheek	0.124	0.470	0.136	0.478	0.094	0.202	0.125	0.932	0.855	0.897	0.820
	ReTilt	0.018	0.096	0.230	0.234	0.138	0.077	0.146	0.420	0.489	0.467	0.536
	LeCheek	0.080	0.234	0.372	0.140	0.231	0.131	0.204	0.816	0.890	0.581	0.655
	LeTilt	0.034	0.087	0.556	0.043	0.236	0.030	0.233	0.706	0.909	0.342	0.545
NR n5 Ant1	ReCheek	0.065	0.470	0.136	0.478	0.094	0.202	0.125	0.873	0.796	0.838	0.762
	ReTilt	0.026	0.096	0.230	0.234	0.138	0.077	0.146	0.428	0.497	0.475	0.544
	LeCheek	0.098	0.234	0.372	0.140	0.231	0.131	0.204	0.835	0.908	0.600	0.674
	LeTilt	0.021	0.087	0.556	0.043	0.236	0.030	0.233	0.693	0.896	0.330	0.533
NR n5 Ant3	ReCheek	0.772	0.470	0.136	0.478	0.094	0.202	0.125	1.581	1.504	1.546	1.469
	ReTilt	0.237	0.096	0.230	0.234	0.138	0.077	0.146	0.640	0.709	0.686	0.755
	LeCheek	0.652	0.234	0.372	0.140	0.231	0.131	0.204	1.388	1.462	1.153	1.227
	LeTilt	0.106	0.087	0.556	0.043	0.236	0.030	0.233	0.779	0.982	0.415	0.618
NR n7 Ant2	ReCheek	0.338	0.470	0.136	0.478	0.094	0.202	0.125	1.146	1.070	1.112	1.035
	ReTilt	0.067	0.096	0.230	0.234	0.138	0.077	0.146	0.469	0.539	0.516	0.585
	LeCheek	0.218	0.234	0.372	0.140	0.231	0.131	0.204	0.955	1.028	0.720	0.793
	LeTilt	0.112	0.087	0.556	0.043	0.236	0.030	0.233	0.785	0.988	0.421	0.624
NR n12 Ant1	ReCheek	0.043	0.470	0.136	0.478	0.094	0.202	0.125	0.851	0.775	0.817	0.740
	ReTilt	0.032	0.096	0.230	0.234	0.138	0.077	0.146	0.434	0.504	0.481	0.550
	LeCheek	0.052	0.234	0.372	0.140	0.231	0.131	0.204	0.788	0.861	0.553	0.627
	LeTilt	0.041	0.087	0.556	0.043	0.236	0.030	0.233	0.714	0.917	0.350	0.553
NR n12 Ant3	ReCheek	0.737	0.470	0.136	0.478	0.094	0.202	0.125	1.545	1.469	1.511	1.434
	ReTilt	0.202	0.096	0.230	0.234	0.138	0.077	0.146	0.605	0.674	0.651	0.720
	LeCheek	0.531	0.234	0.372	0.140	0.231	0.131	0.204	1.267	1.341	1.032	1.106
	LeTilt	0.071	0.087	0.556	0.043	0.236	0.030	0.233	0.743	0.947	0.380	0.583
NR n25 Ant1	ReCheek	0.138	0.470	0.136	0.478	0.094	0.202	0.125	0.947	0.870	0.912	0.835
	ReTilt	0.023	0.096	0.230	0.234	0.138	0.077	0.146	0.425	0.494	0.472	0.541
	LeCheek	0.062	0.234	0.372	0.140	0.231	0.131	0.204	0.798	0.872	0.563	0.637
	LeTilt	0.041	0.087	0.556	0.043	0.236	0.030	0.233	0.713	0.916	0.350	0.553
NR n38 Ant2	ReCheek	0.436	0.470	0.136	0.478	0.094	0.202	0.125	1.244	1.168	1.209	1.133
	ReTilt	0.081	0.096	0.230	0.234	0.138	0.077	0.146	0.484	0.553	0.530	0.599
	LeCheek	0.185	0.234	0.372	0.140	0.231	0.131	0.204	0.921	0.995	0.686	0.760
	LeTilt	0.126	0.087	0.556	0.043	0.236	0.030	0.233	0.798	1.002	0.435	0.638
NR n66 Ant2	ReCheek	0.090	0.470	0.136	0.478	0.094	0.202	0.125	0.898	0.821	0.863	0.786
	ReTilt	0.012	0.096	0.230	0.234	0.138	0.077	0.146	0.415	0.484	0.461	0.530
	LeCheek	0.028	0.234	0.372	0.140	0.231	0.131	0.204	0.764	0.837	0.529	0.603
	LeTilt	0.007	0.087	0.556	0.043	0.236	0.030	0.233	0.680	0.883	0.316	0.519
NR n77 Ant4	ReCheek	0.707	0.470	0.136	0.478	0.094	0.202	0.125	1.515	1.438	1.480	1.404
	ReTilt	0.440	0.096	0.230	0.234	0.138	0.077	0.146	0.842	0.912	0.889	0.958
	LeCheek	0.133	0.234	0.372	0.140	0.231	0.131	0.204	0.869	0.943	0.634	0.708
	LeTilt	0.109	0.087	0.556	0.043	0.236	0.030	0.233	0.781	0.984	0.417	0.620
NR n77 Ant5	ReCheek	0.762	0.470	0.136	0.478	0.094	0.202	0.125	1.571	1.494	1.536	1.459
	ReTilt	0.410	0.096	0.230	0.234	0.138	0.077	0.146	0.812	0.881	0.859	0.928
	LeCheek	0.141	0.234	0.372	0.140	0.231	0.131	0.204	0.878	0.951	0.643	0.716
	LeTilt	0.122	0.087	0.556	0.043	0.236	0.030	0.233	0.794	0.998	0.431	0.634

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Head DBS

WWAN With WLAN DBS

The simultaneous head exposure conditions:										
WWAN	Exposure position 1g(W/kg)	1	2	3	4	5	6	7	1+2+3+4+5+6 Sum	1+2+3+4+5+7 Sum
		WWAN	WLAN 2.4GHz Ant7	WLAN 2.4GHz Ant8	WLAN 5GHz Ant7	WLAN 5GHz Ant8	Bluetooth Ant7	Bluetooth Ant8		
GSM 850 Ant1	ReCheek	0.068	0.239	0.074	0.242	0.044	0.202	0.125	0.869	0.792
	ReTilt	0.045	0.045	0.118	0.117	0.065	0.077	0.146	0.467	0.536
	LeCheek	0.088	0.110	0.190	0.067	0.117	0.131	0.204	0.702	0.775
	LeTilt	0.035	0.044	0.277	0.032	0.123	0.030	0.233	0.541	0.744
GSM 850 Ant3	ReCheek	0.756	0.239	0.074	0.242	0.044	0.202	0.125	1.556	1.480
	ReTilt	0.243	0.045	0.118	0.117	0.065	0.077	0.146	0.665	0.734
	LeCheek	0.373	0.110	0.190	0.067	0.117	0.131	0.204	0.986	1.060
	LeTilt	0.152	0.044	0.277	0.032	0.123	0.030	0.233	0.658	0.861
GSM 1900 Ant2	ReCheek	0.038	0.239	0.074	0.242	0.044	0.202	0.125	0.839	0.762
	ReTilt	0.003	0.045	0.118	0.117	0.065	0.077	0.146	0.425	0.494
	LeCheek	0.020	0.110	0.190	0.067	0.117	0.131	0.204	0.634	0.707
	LeTilt	0.004	0.044	0.277	0.032	0.123	0.030	0.233	0.510	0.713
WCDMA Band Ⅱ Ant2	ReCheek	0.098	0.239	0.074	0.242	0.044	0.202	0.125	0.899	0.822
	ReTilt	0.007	0.045	0.118	0.117	0.065	0.077	0.146	0.429	0.499
	LeCheek	0.088	0.110	0.190	0.067	0.117	0.131	0.204	0.701	0.775
	LeTilt	0.006	0.044	0.277	0.032	0.123	0.030	0.233	0.512	0.715
WCDMA Band Ⅳ Ant2	ReCheek	0.038	0.239	0.074	0.242	0.044	0.202	0.125	0.839	0.762
	ReTilt	0.004	0.045	0.118	0.117	0.065	0.077	0.146	0.426	0.495
	LeCheek	0.056	0.110	0.190	0.067	0.117	0.131	0.204	0.669	0.743
	LeTilt	0.006	0.044	0.277	0.032	0.123	0.030	0.233	0.511	0.715
WCDMA Band V Ant1	ReCheek	0.064	0.239	0.074	0.242	0.044	0.202	0.125	0.864	0.788
	ReTilt	0.044	0.045	0.118	0.117	0.065	0.077	0.146	0.466	0.535
	LeCheek	0.116	0.110	0.190	0.067	0.117	0.131	0.204	0.729	0.803
	LeTilt	0.034	0.044	0.277	0.032	0.123	0.030	0.233	0.540	0.743
WCDMA Band V Ant3	ReCheek	0.762	0.239	0.074	0.242	0.044	0.202	0.125	1.562	1.486
	ReTilt	0.163	0.045	0.118	0.117	0.065	0.077	0.146	0.585	0.654
	LeCheek	0.345	0.110	0.190	0.067	0.117	0.131	0.204	0.959	1.032
	LeTilt	0.128	0.044	0.277	0.032	0.123	0.030	0.233	0.634	0.837
LTE Band 2 Ant2	ReCheek	0.100	0.239	0.074	0.242	0.044	0.202	0.125	0.901	0.825
	ReTilt	0.027	0.045	0.118	0.117	0.065	0.077	0.146	0.449	0.518
	LeCheek	0.049	0.110	0.190	0.067	0.117	0.131	0.204	0.662	0.736
	LeTilt	0.018	0.044	0.277	0.032	0.123	0.030	0.233	0.524	0.727
LTE Band 4 Ant1	ReCheek	0.082	0.239	0.074	0.242	0.044	0.202	0.125	0.882	0.806
	ReTilt	0.035	0.045	0.118	0.117	0.065	0.077	0.146	0.458	0.527
	LeCheek	0.029	0.110	0.190	0.067	0.117	0.131	0.204	0.643	0.716
	LeTilt	0.042	0.044	0.277	0.032	0.123	0.030	0.233	0.548	0.751
LTE Band 5 Ant1	ReCheek	0.066	0.239	0.074	0.242	0.044	0.202	0.125	0.866	0.790
	ReTilt	0.038	0.045	0.118	0.117	0.065	0.077	0.146	0.460	0.529
	LeCheek	0.164	0.110	0.190	0.067	0.117	0.131	0.204	0.778	0.851
	LeTilt	0.005	0.044	0.277	0.032	0.123	0.030	0.233	0.510	0.714
LTE Band 5 Ant3	ReCheek	0.746	0.239	0.074	0.242	0.044	0.202	0.125	1.547	1.470
	ReTilt	0.179	0.045	0.118	0.117	0.065	0.077	0.146	0.601	0.670
	LeCheek	0.434	0.110	0.190	0.067	0.117	0.131	0.204	1.047	1.121
	LeTilt	0.150	0.044	0.277	0.032	0.123	0.030	0.233	0.656	0.859
LTE Band 7 Ant1	ReCheek	0.052	0.239	0.074	0.242	0.044	0.202	0.125	0.852	0.776
	ReTilt	0.015	0.045	0.118	0.117	0.065	0.077	0.146	0.437	0.506
	LeCheek	0.039	0.110	0.190	0.067	0.117	0.131	0.204	0.652	0.726
	LeTilt	0.013	0.044	0.277	0.032	0.123	0.030	0.233	0.519	0.722
LTE Band 7 Ant2	ReCheek	0.268	0.239	0.074	0.242	0.044	0.202	0.125	1.069	0.992
	ReTilt	0.090	0.045	0.118	0.117	0.065	0.077	0.146	0.512	0.582
	LeCheek	0.182	0.110	0.190	0.067	0.117	0.131	0.204	0.795	0.869
	LeTilt	0.067	0.044	0.277	0.032	0.123	0.030	0.233	0.572	0.776
LTE Band 12 Ant1	ReCheek	0.046	0.239	0.074	0.242	0.044	0.202	0.125	0.847	0.770
	ReTilt	0.036	0.045	0.118	0.117	0.065	0.077	0.146	0.458	0.527
	LeCheek	0.125	0.110	0.190	0.067	0.117	0.131	0.204	0.739	0.812
	LeTilt	0.045	0.044	0.277	0.032	0.123	0.030	0.233	0.551	0.754
LTE Band 12 Ant3	ReCheek	0.463	0.239	0.074	0.242	0.044	0.202	0.125	1.263	1.187
	ReTilt	0.188	0.045	0.118	0.117	0.065	0.077	0.146	0.610	0.679
	LeCheek	0.250	0.110	0.190	0.067	0.117	0.131	0.204	0.864	0.937
	LeTilt	0.023	0.044	0.277	0.032	0.123	0.030	0.233	0.529	0.732
LTE Band 17 Ant1	ReCheek	0.035	0.239	0.074	0.242	0.044	0.202	0.125	0.836	0.759
	ReTilt	0.027	0.045	0.118	0.117	0.065	0.077	0.146	0.449	0.518
	LeCheek	0.133	0.110	0.190	0.067	0.117	0.131	0.204	0.747	0.821
	LeTilt	0.038	0.044	0.277	0.032	0.123	0.030	0.233	0.544	0.747
LTE Band 17 Ant3	ReCheek	0.452	0.239	0.074	0.242	0.044	0.202	0.125	1.253	1.176
	ReTilt	0.183	0.045	0.118	0.117	0.065	0.077	0.146	0.605	0.675
	LeCheek	0.343	0.110	0.190	0.067	0.117	0.131	0.204	0.957	1.030
	LeTilt	0.022	0.044	0.277	0.032	0.123	0.030	0.233	0.528	0.731
LTE Band 25 Ant2	ReCheek	0.096	0.239	0.074	0.242	0.044	0.202	0.125	0.897	0.820
	ReTilt	0.024	0.045	0.118	0.117	0.065	0.077	0.146	0.447	0.516
	LeCheek	0.063	0.110	0.190	0.067	0.117	0.131	0.204	0.676	0.750
	LeTilt	0.036	0.044	0.277	0.032	0.123	0.030	0.233	0.541	0.744

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WWAN With WLAN DBS

The simultaneous head exposure conditions:										
WWAN	Exposure position 1g(W/kg)	1	2	3	4	5	6	7	1+2+3+4+5+6 Sum	1+2+3+4+5+7 Sum
		WWAN	WLAN 2.4GHz Ant7	WLAN 2.4GHz Ant8	WLAN 5GHz Ant7	WLAN 5GHz Ant8	Bluetooth Ant7	Bluetooth Ant8		
LTE Band 26 Ant1	ReCheek	0.050	0.239	0.074	0.242	0.044	0.202	0.125	0.851	0.774
	ReTilt	0.035	0.045	0.118	0.117	0.065	0.077	0.146	0.457	0.526
	LeCheek	0.122	0.110	0.190	0.067	0.117	0.131	0.204	0.735	0.809
	LeTilt	0.018	0.044	0.277	0.032	0.123	0.030	0.233	0.524	0.727
LTE Band 26 Ant3	ReCheek	0.733	0.239	0.074	0.242	0.044	0.202	0.125	1.534	1.457
	ReTilt	0.201	0.045	0.118	0.117	0.065	0.077	0.146	0.624	0.693
	LeCheek	0.372	0.110	0.190	0.067	0.117	0.131	0.204	0.985	1.059
	LeTilt	0.130	0.044	0.277	0.032	0.123	0.030	0.233	0.635	0.838
LTE Band 30 Ant2	ReCheek	0.221	0.239	0.074	0.242	0.044	0.202	0.125	1.022	0.945
	ReTilt	0.080	0.045	0.118	0.117	0.065	0.077	0.146	0.502	0.572
	LeCheek	0.142	0.110	0.190	0.067	0.117	0.131	0.204	0.755	0.829
	LeTilt	0.065	0.044	0.277	0.032	0.123	0.030	0.233	0.571	0.774
LTE Band 38 Ant2	ReCheek	0.115	0.239	0.074	0.242	0.044	0.202	0.125	0.916	0.839
	ReTilt	0.036	0.045	0.118	0.117	0.065	0.077	0.146	0.458	0.527
	LeCheek	0.084	0.110	0.190	0.067	0.117	0.131	0.204	0.698	0.771
	LeTilt	0.038	0.044	0.277	0.032	0.123	0.030	0.233	0.544	0.747
LTE Band 41 Ant2	ReCheek	0.153	0.239	0.074	0.242	0.044	0.202	0.125	0.953	0.877
	ReTilt	0.022	0.045	0.118	0.117	0.065	0.077	0.146	0.444	0.513
	LeCheek	0.072	0.110	0.190	0.067	0.117	0.131	0.204	0.685	0.759
	LeTilt	0.028	0.044	0.277	0.032	0.123	0.030	0.233	0.534	0.737
LTE Band 66 Ant2	ReCheek	0.079	0.239	0.074	0.242	0.044	0.202	0.125	0.880	0.804
	ReTilt	0.037	0.045	0.118	0.117	0.065	0.077	0.146	0.460	0.529
	LeCheek	0.055	0.110	0.190	0.067	0.117	0.131	0.204	0.669	0.742
	LeTilt	0.016	0.044	0.277	0.032	0.123	0.030	0.233	0.522	0.725
LTE Band 71 Ant1	ReCheek	0.036	0.239	0.074	0.242	0.044	0.202	0.125	0.836	0.760
	ReTilt	0.018	0.045	0.118	0.117	0.065	0.077	0.146	0.441	0.510
	LeCheek	0.092	0.110	0.190	0.067	0.117	0.131	0.204	0.705	0.779
	LeTilt	0.011	0.044	0.277	0.032	0.123	0.030	0.233	0.517	0.720
LTE Band 71 Ant3	ReCheek	0.732	0.239	0.074	0.242	0.044	0.202	0.125	1.533	1.456
	ReTilt	0.241	0.045	0.118	0.117	0.065	0.077	0.146	0.663	0.732
	LeCheek	0.578	0.110	0.190	0.067	0.117	0.131	0.204	1.191	1.265
	LeTilt	0.006	0.044	0.277	0.032	0.123	0.030	0.233	0.512	0.715
NR n2 Ant2	ReCheek	0.124	0.239	0.074	0.242	0.044	0.202	0.125	0.924	0.848
	ReTilt	0.018	0.045	0.118	0.117	0.065	0.077	0.146	0.440	0.509
	LeCheek	0.080	0.110	0.190	0.067	0.117	0.131	0.204	0.693	0.767
	LeTilt	0.034	0.044	0.277	0.032	0.123	0.030	0.233	0.539	0.742
NR n5 Ant1	ReCheek	0.065	0.239	0.074	0.242	0.044	0.202	0.125	0.865	0.789
	ReTilt	0.026	0.045	0.118	0.117	0.065	0.077	0.146	0.448	0.517
	LeCheek	0.098	0.110	0.190	0.067	0.117	0.131	0.204	0.712	0.786
	LeTilt	0.021	0.044	0.277	0.032	0.123	0.030	0.233	0.527	0.730
NR n5 Ant3	ReCheek	0.772	0.239	0.074	0.242	0.044	0.202	0.125	1.573	1.497
	ReTilt	0.237	0.045	0.118	0.117	0.065	0.077	0.146	0.660	0.729
	LeCheek	0.652	0.110	0.190	0.067	0.117	0.131	0.204	1.265	1.339
	LeTilt	0.106	0.044	0.277	0.032	0.123	0.030	0.233	0.612	0.815
NR n7 Ant2	ReCheek	0.338	0.239	0.074	0.242	0.044	0.202	0.125	1.139	1.062
	ReTilt	0.067	0.045	0.118	0.117	0.065	0.077	0.146	0.489	0.558
	LeCheek	0.218	0.110	0.190	0.067	0.117	0.131	0.204	0.832	0.905
	LeTilt	0.112	0.044	0.277	0.032	0.123	0.030	0.233	0.618	0.821
NR n12 Ant1	ReCheek	0.043	0.239	0.074	0.242	0.044	0.202	0.125	0.844	0.767
	ReTilt	0.032	0.045	0.118	0.117	0.065	0.077	0.146	0.454	0.523
	LeCheek	0.052	0.110	0.190	0.067	0.117	0.131	0.204	0.665	0.739
	LeTilt	0.041	0.044	0.277	0.032	0.123	0.030	0.233	0.547	0.750
NR n12 Ant3	ReCheek	0.737	0.239	0.074	0.242	0.044	0.202	0.125	1.538	1.461
	ReTilt	0.202	0.045	0.118	0.117	0.065	0.077	0.146	0.624	0.694
	LeCheek	0.531	0.110	0.190	0.067	0.117	0.131	0.204	1.144	1.218
	LeTilt	0.071	0.044	0.277	0.032	0.123	0.030	0.233	0.577	0.780
NR n25 Ant1	ReCheek	0.138	0.239	0.074	0.242	0.044	0.202	0.125	0.939	0.863
	ReTilt	0.023	0.045	0.118	0.117	0.065	0.077	0.146	0.445	0.514
	LeCheek	0.062	0.110	0.190	0.067	0.117	0.131	0.204	0.675	0.749
	LeTilt	0.041	0.044	0.277	0.032	0.123	0.030	0.233	0.547	0.750
NR n38 Ant2	ReCheek	0.436	0.239	0.074	0.242	0.044	0.202	0.125	1.237	1.160
	ReTilt	0.081	0.045	0.118	0.117	0.065	0.077	0.146	0.503	0.573
	LeCheek	0.185	0.110	0.190	0.067	0.117	0.131	0.204	0.798	0.872
	LeTilt	0.126	0.044	0.277	0.032	0.123	0.030	0.233	0.632	0.835
NR n66 Ant2	ReCheek	0.090	0.239	0.074	0.242	0.044	0.202	0.125	0.890	0.814
	ReTilt	0.012	0.045	0.118	0.117	0.065	0.077	0.146	0.434	0.503
	LeCheek	0.028	0.110	0.190	0.067	0.117	0.131	0.204	0.641	0.715
	LeTilt	0.007	0.044	0.277	0.032	0.123	0.030	0.233	0.513	0.716
NR n77 Ant4	ReCheek	0.707	0.239	0.074	0.242	0.044	0.202	0.125	1.508	1.431
	ReTilt	0.440	0.045	0.118	0.117	0.065	0.077	0.146	0.862	0.931
	LeCheek	0.133	0.110	0.190	0.067	0.117	0.131	0.204	0.746	0.820
	LeTilt	0.109	0.044	0.277	0.032	0.123	0.030	0.233	0.614	0.818
NR n77 Ant5	ReCheek	0.762	0.239	0.074	0.242	0.044	0.202	0.125	1.563	1.487
	ReTilt	0.410	0.045	0.118	0.117	0.065	0.077	0.146	0.832	0.901
	LeCheek	0.141	0.110	0.190	0.067	0.117	0.131	0.204	0.755	0.828
	LeTilt	0.122	0.044	0.277	0.032	0.123	0.030	0.233	0.628	0.831

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Head WLAN SISO+MIMO

WLAN SISO/MIMO

The simultaneous head exposure conditions:

Exposure position 1g(W/kg)	1	2	3	4	5	6	1+2+5 Sum	1+2+6 Sum	3+4+5 Sum	3+4+6 Sum
	WLAN 2.4GHz Ant7	WLAN 2.4GHz Ant8	WLAN 5GHz Ant7	WLAN 5GHz Ant8	Bluetooth Ant7	Bluetooth Ant8				
ReCheek	0.719	0.250	0.747	0.154	0.202	0.125	1.171	1.094	1.103	1.026
ReTilt	0.157	0.351	0.370	0.215	0.077	0.146	0.586	0.655	0.661	0.730
LeCheek	0.323	0.577	0.212	0.353	0.131	0.204	1.031	1.105	0.695	0.769
LeTilt	0.139	0.851	0.073	0.373	0.030	0.233	1.020	1.223	0.476	0.679

Head WLAN DBS

WLAN DBS

The simultaneous head exposure conditions:

Exposure position 1g(W/kg)	1	2	3	4	5	6	1+2+3+4+5 Sum	1+2+3+4+6 Sum
	WLAN 2.4GHz Ant7	WLAN 2.4GHz Ant8	WLAN 5GHz Ant7	WLAN 5GHz Ant8	Bluetooth Ant7	Bluetooth Ant8		
ReCheek	0.470	0.136	0.478	0.094	0.202	0.125	1.380	1.303
ReTilt	0.096	0.230	0.234	0.138	0.077	0.146	0.775	0.844
LeCheek	0.234	0.372	0.140	0.231	0.131	0.204	1.107	1.181
LeTilt	0.087	0.556	0.043	0.236	0.030	0.233	0.951	1.154

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Body-worn

The simultaneous hotspot mode exposure conditions:

WWAN	Exposure position 1g(W/kg)	1	2	3	4	5	6	7	1+2+3+6 Sum	1+2+3+7 Sum	1+4+5+6 Sum	1+4+5+7 Sum	1+2+3+4+5+6 Sum	1+2+3+4+5+7 Sum
		WWAN	WLAN 2.4GHz Chain 0	WLAN 2.4GHz Chain 1	WLAN 5GHz Chain 0	WLAN 5GHz Chain 1	Bluetooth Chain0	Bluetooth Chain1						
GSM 850 Ant1	Front side	0.107	0.153	0.028	0.089	0.123	0.021	0.003	0.309	0.291	0.341	0.322	0.521	0.503
	Back side	0.125	0.142	0.028	0.172	0.379	0.033	0.009	0.327	0.304	0.708	0.685	0.878	0.854
GSM 850 Ant3	Front side	0.234	0.153	0.028	0.089	0.123	0.021	0.003	0.436	0.417	0.467	0.448	0.648	0.629
	Back side	0.159	0.142	0.028	0.172	0.379	0.033	0.009	0.361	0.338	0.742	0.719	0.912	0.888
GSM 1900 Ant2	Front side	0.081	0.153	0.028	0.089	0.123	0.021	0.003	0.283	0.264	0.314	0.295	0.495	0.476
	Back side	0.074	0.142	0.028	0.172	0.379	0.033	0.009	0.276	0.252	0.657	0.633	0.827	0.803
WCDMA Band II	Front side	0.310	0.153	0.028	0.089	0.123	0.021	0.003	0.512	0.493	0.543	0.524	0.724	0.705
	Back side	0.411	0.142	0.028	0.172	0.379	0.033	0.009	0.613	0.590	0.994	0.971	1.164	1.140
WCDMA Band IV	Front side	0.233	0.153	0.028	0.089	0.123	0.021	0.003	0.435	0.417	0.466	0.448	0.647	0.629
	Back side	0.333	0.142	0.028	0.172	0.379	0.033	0.009	0.536	0.512	0.917	0.893	1.086	1.063
WCDMA Band V	Front side	0.113	0.153	0.028	0.089	0.123	0.021	0.003	0.315	0.296	0.346	0.328	0.527	0.508
	Back side	0.122	0.142	0.028	0.172	0.379	0.033	0.009	0.324	0.301	0.705	0.682	0.875	0.851
WCDMA Band V	Front side	0.256	0.153	0.028	0.089	0.123	0.021	0.003	0.458	0.439	0.489	0.470	0.670	0.651
	Back side	0.123	0.142	0.028	0.172	0.379	0.033	0.009	0.325	0.301	0.706	0.682	0.876	0.852
LTE Band 2 Ant2	Front side	0.213	0.153	0.028	0.089	0.123	0.021	0.003	0.415	0.396	0.446	0.427	0.627	0.608
	Back side	0.265	0.142	0.028	0.172	0.379	0.033	0.009	0.467	0.444	0.848	0.825	1.018	0.994
LTE Band 4 Ant2	Front side	0.179	0.153	0.028	0.089	0.123	0.021	0.003	0.381	0.362	0.412	0.393	0.593	0.574
	Back side	0.234	0.142	0.028	0.172	0.379	0.033	0.009	0.436	0.413	0.817	0.794	0.987	0.963
LTE Band 5 Ant1	Front side	0.093	0.153	0.028	0.089	0.123	0.021	0.003	0.295	0.276	0.326	0.308	0.507	0.488
	Back side	0.070	0.142	0.028	0.172	0.379	0.033	0.009	0.272	0.249	0.653	0.629	0.823	0.799
LTE Band 5 Ant3	Front side	0.151	0.153	0.028	0.089	0.123	0.021	0.003	0.353	0.335	0.385	0.366	0.565	0.547
	Back side	0.127	0.142	0.028	0.172	0.379	0.033	0.009	0.330	0.306	0.711	0.687	0.880	0.857
LTE Band 7 Ant1	Front side	0.370	0.153	0.028	0.089	0.123	0.021	0.003	0.572	0.554	0.603	0.585	0.784	0.766
	Back side	0.325	0.142	0.028	0.172	0.379	0.033	0.009	0.528	0.504	0.909	0.885	1.078	1.055
LTE Band 7 Ant2	Front side	0.555	0.153	0.028	0.089	0.123	0.021	0.003	0.757	0.739	0.789	0.770	0.969	0.951
	Back side	0.564	0.142	0.028	0.172	0.379	0.033	0.009	0.766	0.742	1.147	1.123	1.316	1.293
LTE Band 12 Ant1	Front side	0.044	0.153	0.028	0.089	0.123	0.021	0.003	0.247	0.228	0.278	0.259	0.458	0.440
	Back side	0.070	0.142	0.028	0.172	0.379	0.033	0.009	0.273	0.249	0.654	0.630	0.823	0.800
LTE Band 12 Ant3	Front side	0.159	0.153	0.028	0.089	0.123	0.021	0.003	0.361	0.342	0.392	0.374	0.573	0.554
	Back side	0.134	0.142	0.028	0.172	0.379	0.033	0.009	0.337	0.313	0.718	0.694	0.887	0.864
LTE Band 17 Ant1	Front side	0.039	0.153	0.028	0.089	0.123	0.021	0.003	0.241	0.223	0.272	0.254	0.453	0.434
	Back side	0.054	0.142	0.028	0.172	0.379	0.033	0.009	0.256	0.233	0.637	0.614	0.807	0.784
LTE Band 17 Ant3	Front side	0.165	0.153	0.028	0.089	0.123	0.021	0.003	0.367	0.349	0.398	0.380	0.579	0.560
	Back side	0.131	0.142	0.028	0.172	0.379	0.033	0.009	0.334	0.310	0.715	0.691	0.884	0.861
LTE Band 25 Ant2	Front side	0.224	0.153	0.028	0.089	0.123	0.021	0.003	0.426	0.407	0.457	0.438	0.638	0.619
	Back side	0.271	0.142	0.028	0.172	0.379	0.033	0.009	0.473	0.450	0.854	0.831	1.024	1.000
LTE Band 26 Ant1	Front side	0.082	0.153	0.028	0.089	0.123	0.021	0.003	0.284	0.266	0.315	0.297	0.496	0.477
	Back side	0.088	0.142	0.028	0.172	0.379	0.033	0.009	0.290	0.267	0.671	0.648	0.841	0.817
LTE Band 26 Ant3	Front side	0.136	0.153	0.028	0.089	0.123	0.021	0.003	0.338	0.320	0.369	0.351	0.550	0.531
	Back side	0.108	0.142	0.028	0.172	0.379	0.033	0.009	0.311	0.287	0.692	0.668	0.861	0.838
LTE Band 30 Ant2	Front side	0.685	0.153	0.028	0.089	0.123	0.021	0.003	0.887	0.868	0.918	0.899	1.099	1.080
	Back side	0.506	0.142	0.028	0.172	0.379	0.033	0.009	0.708	0.684	1.089	1.065	1.259	1.235
LTE Band 38 Ant2	Front side	0.274	0.153	0.028	0.089	0.123	0.021	0.003	0.476	0.457	0.507	0.488	0.688	0.669
	Back side	0.200	0.142	0.028	0.172	0.379	0.033	0.009	0.402	0.379	0.783	0.760	0.953	0.929
LTE Band 41 Ant2	Front side	0.287	0.153	0.028	0.089	0.123	0.021	0.003	0.489	0.471	0.520	0.502	0.701	0.683
	Back side	0.264	0.142	0.028	0.172	0.379	0.033	0.009	0.467	0.443	0.847	0.824	1.017	0.994
LTE Band 66 Ant2	Front side	0.192	0.153	0.028	0.089	0.123	0.021	0.003	0.394	0.375	0.425	0.406	0.606	0.587
	Back side	0.257	0.142	0.028	0.172	0.379	0.033	0.009	0.460	0.436	0.841	0.817	1.010	0.987
LTE Band 71 Ant1	Front side	0.030	0.153	0.028	0.089	0.123	0.021	0.003	0.232	0.213	0.263	0.244	0.444	0.425
	Back side	0.037	0.142	0.028	0.172	0.379	0.033	0.009	0.239	0.216	0.620	0.597	0.790	0.766
LTE Band 71 Ant3	Front side	0.396	0.153	0.028	0.089	0.123	0.021	0.003	0.598	0.580	0.629	0.611	0.810	0.792
	Back side	0.425	0.142	0.028	0.172	0.379	0.033	0.009	0.627	0.604	1.008	0.985	1.178	1.154
NR n2 Ant2	Front side	0.285	0.153	0.028	0.089	0.123	0.021	0.003	0.488	0.469	0.519	0.500	0.700	0.681
	Back side	0.312	0.142	0.028	0.172	0.379	0.033	0.009	0.514	0.491	0.895	0.872	1.065	1.042
NR n5 Ant1	Front side	0.096	0.153	0.028	0.089	0.123	0.021	0.003	0.298	0.279	0.329	0.310	0.510	0.491
	Back side	0.103	0.142	0.028	0.172	0.379	0.033	0.009	0.305	0.282	0.686	0.663	0.856	0.833
NR n5 Ant3	Front side	0.266	0.153	0.028	0.089	0.123	0.021	0.003	0.468	0.450	0.500	0.481	0.680	0.662
	Back side	0.298	0.142	0.028	0.172	0.379	0.033	0.009	0.500	0.476	0.881	0.857	1.051	1.027
NR n7 Ant2	Front side	0.717	0.153	0.028	0.089	0.123	0.021	0.003	0.919	0.900	0.950	0.931	1.131	1.112
	Back side	0.435	0.142	0.028	0.172	0.379	0.033	0.009	0.637	0.614	1.018	0.995	1.188	1.164
NR n12 Ant1	Front side	0.101	0.153	0.028	0.089	0.123	0.021	0.003	0.303	0.284	0.334	0.315	0.515	0.496
	Back side	0.042	0.142	0.028	0.172	0.379	0.033	0.009	0.245	0.221	0.626	0.602	0.795	0.772
NR n12 Ant3	Front side	0.289	0.153	0.028	0.089	0.123	0.021	0.003	0.491	0.472	0.522	0.503	0.703	0.684
	Back side	0.124	0.142	0.028	0.172	0.379	0.033	0.009	0.327	0.303	0.708	0.684	0.877	0.854
NR n25 Ant2	Front side	0.282	0.153	0.028	0.089	0.123	0.021	0.003	0.484	0.465	0.515	0.496	0.696	0.677
	Back side	0.294	0.142	0.028	0.172	0.379	0.033	0.009	0.496	0.473	0.877	0.854	1.047	1.023
NR n38 Ant2	Front side	0.933	0.153	0.028	0.089	0.123	0.021	0.003	1.135	1.116	1.166	1.147	1.347	1.328
	Back side	0.757	0.142	0.028	0.172	0.379	0.033	0.009	0.959	0.935	1.340	1.316	1.510	1.486
NR n66 Ant2	Front side	0.315	0.153	0.028	0.089	0.123	0.021	0.003	0.517	0.499	0.548	0.530	0.729	0.711
	Back side	0.293	0.142	0.028	0.172	0.379	0.033	0.009	0.496	0.472	0.876	0.853	1.046	1.023
NR n77 Ant4	Front side	0.178	0.153	0.028	0.089	0.123	0.021	0.003	0.380	0.361	0.411	0.392	0.592	0.573
	Back side	0.160	0.142	0.028	0.172	0.379	0.033	0.009	0.362	0.339	0.743	0.719	0.913	0.889
NR n77 Ant5	Front side	0.268	0.153	0.028	0.089	0.123	0.021	0.003	0.470	0.452	0.501	0.483	0.682	0.664
	Back side	0.271	0.142	0.028	0.172	0.379	0.033	0.009	0.474	0.450	0.855	0.831	1.024	1.001

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Hotspot mode

The simultaneous hotspot mode exposure conditions:

WWAN	Exposure position 1g(W/Kg)	1 WWAN	2 WLAN 2.4GHz Chain 0	3 WLAN 2.4GHz Chain 1	4 WLAN 5GHz Chain 0	5 WLAN 5GHz Chain 1	6 Bluetooth Chain0	7 Bluetooth Chain1	1+2+3+6 Sum	1+2+3+7 Sum	1+4+5+6 Sum	1+4+5+7 Sum	1+2+3+4+5+6 Sum	1+2+3+4+5+7 Sum
GPRS 850 Ant1	Front side	0.378	0.153	0.028	0.126	0.072	0.078	0.003	0.637	0.563	0.654	0.580	0.835	0.760
	Back side	0.371	0.142	0.028	0.123	0.470	0.062	0.003	0.603	0.544	1.026	0.967	1.195	1.137
	Top side	0.005	0.047	0.176	0.023	0.222	0.016	0.038	0.243	0.266	0.265	0.287	0.488	0.510
	Bottom side	0.226	0.022	0.003	0.024	0.040	0.008	0.002	0.258	0.253	0.298	0.292	0.323	0.317
	Right side	0.061	0.024	0.002	0.084	0.075	0.008	0.001	0.094	0.087	0.227	0.220	0.253	0.246
	Left side	0.234	0.254	0.001	0.203	0.082	0.084	0.001	0.573	0.490	0.603	0.520	0.858	0.775
GPRS 850 Ant3	Front side	0.412	0.153	0.028	0.126	0.072	0.078	0.003	0.671	0.596	0.688	0.613	0.869	0.794
	Back side	0.226	0.142	0.028	0.123	0.470	0.062	0.003	0.457	0.399	0.880	0.822	1.050	0.992
	Top side	0.010	0.047	0.176	0.023	0.222	0.016	0.038	0.249	0.271	0.270	0.293	0.494	0.516
	Bottom side	0.014	0.022	0.003	0.024	0.040	0.008	0.002	0.046	0.041	0.086	0.080	0.111	0.105
	Right side	0.299	0.024	0.002	0.084	0.075	0.008	0.001	0.333	0.326	0.466	0.459	0.491	0.485
	Left side	0.039	0.254	0.001	0.203	0.082	0.084	0.001	0.378	0.295	0.408	0.324	0.663	0.580
GPRS 1900 Ant2	Front side	0.231	0.153	0.028	0.126	0.072	0.078	0.003	0.490	0.416	0.507	0.433	0.688	0.613
	Back side	0.260	0.142	0.028	0.123	0.470	0.062	0.003	0.491	0.433	0.914	0.856	1.083	1.025
	Top side	0.031	0.047	0.176	0.023	0.222	0.016	0.038	0.270	0.292	0.291	0.314	0.514	0.537
	Bottom side	0.622	0.022	0.003	0.024	0.040	0.008	0.002	0.655	0.649	0.694	0.689	0.719	0.714
	Right side	0.073	0.024	0.002	0.084	0.075	0.008	0.001	0.107	0.100	0.240	0.233	0.265	0.259
	Left side	0.053	0.254	0.001	0.203	0.082	0.084	0.001	0.392	0.309	0.422	0.339	0.677	0.594
WCDMA Band II Ant2	Front side	0.310	0.153	0.028	0.126	0.072	0.078	0.003	0.569	0.494	0.586	0.511	0.767	0.692
	Back side	0.411	0.142	0.028	0.123	0.470	0.062	0.003	0.642	0.584	1.065	1.007	1.235	1.177
	Top side	0.032	0.047	0.176	0.023	0.222	0.016	0.038	0.271	0.293	0.292	0.314	0.515	0.538
	Bottom side	0.577	0.022	0.003	0.024	0.040	0.008	0.002	0.610	0.604	0.649	0.643	0.674	0.668
	Right side	0.133	0.024	0.002	0.084	0.075	0.008	0.001	0.166	0.159	0.299	0.293	0.325	0.318
	Left side	0.058	0.254	0.001	0.203	0.082	0.084	0.001	0.397	0.314	0.427	0.344	0.683	0.599
WCDMA Band IV Ant2	Front side	0.233	0.153	0.028	0.126	0.072	0.078	0.003	0.492	0.417	0.509	0.435	0.690	0.615
	Back side	0.333	0.142	0.028	0.123	0.470	0.062	0.003	0.565	0.506	0.988	0.929	1.157	1.099
	Top side	0.027	0.047	0.176	0.023	0.222	0.016	0.038	0.265	0.288	0.287	0.309	0.510	0.532
	Bottom side	0.488	0.022	0.003	0.024	0.040	0.008	0.002	0.521	0.515	0.560	0.555	0.585	0.580
	Right side	0.110	0.024	0.002	0.084	0.075	0.008	0.001	0.144	0.137	0.277	0.270	0.302	0.296
	Left side	0.044	0.254	0.001	0.203	0.082	0.084	0.001	0.383	0.300	0.413	0.330	0.669	0.585
WCDMA Band V Ant1	Front side	0.113	0.153	0.028	0.126	0.072	0.078	0.003	0.372	0.297	0.389	0.314	0.570	0.495
	Back side	0.122	0.142	0.028	0.123	0.470	0.062	0.003	0.353	0.295	0.776	0.718	0.946	0.888
	Top side	0.005	0.047	0.176	0.023	0.222	0.016	0.038	0.243	0.266	0.265	0.287	0.488	0.510
	Bottom side	0.173	0.022	0.003	0.024	0.040	0.008	0.002	0.205	0.200	0.245	0.239	0.270	0.264
	Right side	0.009	0.024	0.002	0.084	0.075	0.008	0.001	0.042	0.035	0.175	0.168	0.201	0.194
	Left side	0.135	0.254	0.001	0.203	0.082	0.084	0.001	0.474	0.391	0.504	0.420	0.759	0.676
WCDMA Band V Ant3	Front side	0.256	0.153	0.028	0.126	0.072	0.078	0.003	0.514	0.440	0.532	0.457	0.712	0.638
	Back side	0.123	0.142	0.028	0.123	0.470	0.062	0.003	0.354	0.296	0.777	0.719	0.946	0.888
	Top side	0.037	0.047	0.176	0.023	0.222	0.016	0.038	0.276	0.299	0.298	0.320	0.521	0.543
	Bottom side	0.009	0.022	0.003	0.024	0.040	0.008	0.002	0.042	0.037	0.081	0.076	0.106	0.101
	Right side	0.514	0.024	0.002	0.084	0.075	0.008	0.001	0.548	0.541	0.681	0.674	0.706	0.700
	Left side	0.030	0.254	0.001	0.203	0.082	0.084	0.001	0.369	0.286	0.399	0.316	0.654	0.571
LTE Band 2 Ant2	Front side	0.213	0.153	0.028	0.126	0.072	0.078	0.003	0.472	0.397	0.489	0.414	0.670	0.595
	Back side	0.265	0.142	0.028	0.123	0.470	0.062	0.003	0.496	0.438	0.919	0.861	1.089	1.030
	Top side	0.017	0.047	0.176	0.023	0.222	0.016	0.038	0.256	0.278	0.278	0.300	0.501	0.523
	Bottom side	0.472	0.022	0.003	0.024	0.040	0.008	0.002	0.505	0.499	0.544	0.538	0.569	0.563
	Right side	0.060	0.024	0.002	0.084	0.075	0.008	0.001	0.094	0.087	0.227	0.220	0.252	0.246
	Left side	0.055	0.254	0.001	0.203	0.082	0.084	0.001	0.394	0.311	0.424	0.340	0.679	0.596
LTE Band 4 Ant2	Front side	0.179	0.153	0.028	0.126	0.072	0.078	0.003	0.438	0.363	0.455	0.380	0.636	0.561
	Back side	0.234	0.142	0.028	0.123	0.470	0.062	0.003	0.465	0.407	0.888	0.830	1.058	1.000
	Top side	0.020	0.047	0.176	0.023	0.222	0.016	0.038	0.259	0.281	0.280	0.302	0.503	0.525
	Bottom side	0.413	0.022	0.003	0.024	0.040	0.008	0.002	0.446	0.440	0.485	0.480	0.510	0.505
	Right side	0.075	0.024	0.002	0.084	0.075	0.008	0.001	0.108	0.101	0.241	0.235	0.267	0.260
	Left side	0.031	0.254	0.001	0.203	0.082	0.084	0.001	0.370	0.287	0.400	0.317	0.655	0.572
LTE Band 5 Ant1	Front side	0.093	0.153	0.028	0.126	0.072	0.078	0.003	0.352	0.277	0.369	0.294	0.550	0.475
	Back side	0.070	0.142	0.028	0.123	0.470	0.062	0.003	0.301	0.243	0.724	0.666	0.894	0.835
	Top side	0.018	0.047	0.176	0.023	0.222	0.016	0.038	0.257	0.279	0.279	0.301	0.502	0.524
	Bottom side	0.148	0.022	0.003	0.024	0.040	0.008	0.002	0.181	0.175	0.220	0.215	0.245	0.240
	Right side	0.021	0.024	0.002	0.084	0.075	0.008	0.001	0.055	0.048	0.188	0.181	0.213	0.207
	Left side	0.121	0.254	0.001	0.203	0.082	0.084	0.001	0.461	0.378	0.490	0.407	0.746	0.663
LTE Band 5 Ant3	Front side	0.151	0.153	0.028	0.126	0.072	0.078	0.003	0.410	0.336	0.427	0.353	0.608	0.533
	Back side	0.127	0.142	0.028	0.123	0.470	0.062	0.003	0.359	0.300	0.782	0.723	0.951	0.893
	Top side	0.039	0.047	0.176	0.023	0.222	0.016	0.038	0.278	0.300	0.299	0.322	0.522	0.545
	Bottom side	0.007	0.022	0.003	0.024	0.040	0.008	0.002	0.039	0.034	0.079	0.073	0.104	0.098
	Right side	0.350	0.024	0.002	0.084	0.075	0.008	0.001	0.384	0.377	0.517	0.510	0.542	0.535
	Left side	0.033	0.254	0.001	0.203	0.082	0.084	0.001	0.373	0.290	0.402	0.319	0.658	0.575
LTE Band 7 Ant1	Front side	0.370	0.153	0.028	0.126	0.072	0.078	0.003	0.629	0.554	0.646	0.571	0.827	0.752
	Back side	0.325	0.142	0.028	0.123	0.470	0.062	0.003	0.556	0.498	0.979	0.921	1.149	1.091
	Top side	0.027	0.047	0.176	0.023	0.222	0.016	0.038	0.266	0.288	0.288	0.310	0.511	0.533
	Bottom side	0.699	0.022	0.003	0.024	0.040	0.008	0.002	0.732	0.726	0.771	0.766	0.796	0.791
	Right side	0.046	0.024	0.002	0.084	0.075	0.008	0.001	0.079	0.073	0.213	0.206	0.238	0.231
	Left side	0.614	0.254	0.001	0.203	0.082	0.084	0.001	0.954	0.870	0.983	0.900	1.239	1.156
LTE Band 7 Ant2	Front side	0.555	0.153	0.028	0.126	0.072	0.078	0.003	0.814	0.740	0.831	0.757	1.012	0.937
	Back side	0.564	0.142	0.028	0.123	0.470	0.062	0.003	0.795	0.736	1.218	1.159	1.387	1.329
	Top side	0.050	0.047	0.176	0.023	0.222	0.016	0.038	0.289	0.311	0.311	0.333	0.534	0.556
	Bottom side	1.024	0.022	0.003	0.024	0.040	0.008	0.002	1.057	1.052	1.096	1.091	1.121	1.116
	Right side	0.144	0.024	0.002	0.084	0.075	0.008	0.001	0.177	0.170	0.310	0.303	0.336	0.329
	Left side	0.063	0.254	0.001	0.203	0.082	0.084	0.001	0.402	0.319	0.432	0.349	0.687	0.604
LTE Band 12 Ant1	Front side	0.044	0.153	0.028	0.126	0.072	0.078	0.003	0.303	0.229	0.320	0.246	0.501	0.427
	Back side	0.070	0.142	0.028	0.123	0.470	0.062	0.003	0.301	0.243	0.724	0.666	0.894	0.836
	Top side	0.003	0.047	0.176	0.023	0.222	0.016	0.038	0.241	0.264	0.263	0.285	0.486	0.508
	Bottom side	0.079	0.022	0.003	0.024	0.040	0.008	0.002	0.112	0.106	0.151	0.145	0.176	0.170
	Right side	0.043	0.024	0.002	0.084	0.075	0.008	0.001	0.076	0.069	0.209	0.203	0.235	0.228
	Left side	0.076	0.254	0.001	0.203	0.082	0.084	0.001	0.415	0.332	0.445	0.362	0.700	0.617
LTE Band 12 Ant3	Front side	0.159	0.153	0.028	0.126	0.072	0.078	0.003	0.418	0.343	0.435	0.360	0.616	0.541
	Back side	0.134	0.142	0.028	0.123	0.470	0.062	0.003	0.365	0.307	0.788	0.730	0.958	0.900
	Top side	0.018	0.047	0.176	0.023	0.222	0.016	0.038	0.257	0.279	0.278	0.301	0.501	0.524
	Bottom side	0.020	0.022	0.003	0.024	0.040	0.008	0.002	0.053	0.047	0.092	0.087	0.117	0.112
	Right side	0.188	0.024	0.002	0.084	0.075	0.008	0.001	0.221	0.214	0.354	0.347	0.380	0.373
	Left side	0.025	0.254	0.001	0.203	0.082	0.084	0.001	0.364	0.281	0.394	0.310	0.649	0.566
LTE Band 17 Ant1	Front side	0.039	0.153	0.028	0.126	0.072	0.078	0.003	0.298	0.223	0.315	0.240	0.496	0.421
	Back side	0.054	0.142	0.028	0.123	0.470	0.062	0.003	0.285	0.227	0.708	0.650	0.878	0.820
	Top side	0.002	0.047	0.176	0.023	0.222	0.016	0.038	0.241	0.264	0.263	0.285	0.486	0.508
	Bottom side	0.078	0.022	0.003	0.024	0.040	0.008	0.002	0.110	0.105	0.150	0.144	0.175	0.169
	Right side	0.040	0.024	0.002	0.084	0.075	0.008	0.001	0.074	0.067	0.207	0.200	0.232	0.226
	Left side	0.063	0.254	0.001	0.203	0.082	0.084	0.001	0.403	0.319	0.432	0.349	0.688	0.605
LTE Band 17 Ant3	Front side	0.165	0.153	0.028	0.126	0.072	0.078	0.003	0.424	0.349	0.441	0.366	0.622	0.547
	Back side	0.131	0.142	0.028	0.123	0.470	0.062	0.003	0.363	0.304	0.785	0.727	0.955	0.897
	Top side	0.018	0.047	0.176	0.023	0.222	0.016	0.038	0.256	0.279	0.278	0.300	0.501	0.523
	Bottom side	0.020	0.022	0.003	0.024	0.040	0.008	0.002	0.052	0.047	0.092	0.086	0.117	0.111
	Right side	0.182	0.024	0.002	0.084	0.075	0.008	0.001	0.215	0.208	0.348	0.341	0.374	0.367
	Left side	0.023	0.254	0.001	0.203	0.082	0.084	0.001	0.362	0.279	0.392	0.309	0.648	0.564
LTE Band 25 Ant2	Front side	0.224	0.153	0.028	0.126	0.072	0.078	0.003	0.483	0.408	0.500	0.425	0.681	0.606
	Back side	0.271	0.142	0.028	0.123	0.470	0.062	0.003	0.502	0.444	0.925	0.867	1.095	1.036
	Top side	0.013	0.047	0.176	0.023	0.222	0.016	0.038	0.252	0.274	0.274	0.296	0.497	0.519
	Bottom side	0.451	0.022	0.003	0.024	0.040	0.008	0.002	0.484	0.478	0.523	0.518	0.548	0.543
	Right side	0.074	0.024	0.002	0.084	0.075	0.008	0.001	0.107	0.101	0.241	0.234	0.266	0.259
	Left side	0.057	0.254	0.001	0.203	0.082	0.084	0.001	0.396	0.313	0.426	0.343	0.681	0.598

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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The simultaneous hotspot mode exposure conditions:

WWAN	Exposure position 1g(W/kg)	1	2	3	4	5	6	7	1+2+3+6 Sum	1+2+3+7 Sum	1+4+5+6 Sum	1+4+5+7 Sum	1+2+3+4+5+6 Sum	1+2+3+4+5+7 Sum
		WWAN	WLAN 2.4GHz Chain 0	WLAN 2.4GHz Chain 1	WLAN 5GHz Chain 0	WLAN 5GHz Chain 1	Bluetooth Chain0	Bluetooth Chain1						
LTE Band 26 Ant1	Front side	0.082	0.153	0.028	0.126	0.072	0.078	0.003	0.341	0.266	0.358	0.283	0.539	0.464
	Back side	0.088	0.142	0.028	0.123	0.470	0.062	0.003	0.319	0.261	0.742	0.684	0.912	0.854
	Top side	0.005	0.047	0.176	0.023	0.222	0.016	0.038	0.244	0.266	0.265	0.288	0.488	0.511
	Bottom side	0.116	0.022	0.003	0.024	0.040	0.008	0.002	0.149	0.143	0.188	0.183	0.213	0.208
	Right side	0.086	0.024	0.002	0.084	0.075	0.008	0.001	0.120	0.113	0.253	0.246	0.278	0.271
	Left side	0.102	0.254	0.001	0.203	0.082	0.084	0.001	0.442	0.359	0.471	0.388	0.727	0.644
LTE Band 26 Ant3	Front side	0.136	0.153	0.028	0.126	0.072	0.078	0.003	0.395	0.320	0.412	0.337	0.593	0.518
	Back side	0.108	0.142	0.028	0.123	0.470	0.062	0.003	0.340	0.281	0.763	0.704	0.932	0.874
	Top side	0.041	0.047	0.176	0.023	0.222	0.016	0.038	0.279	0.302	0.301	0.323	0.524	0.546
	Bottom side	0.006	0.022	0.003	0.024	0.040	0.008	0.002	0.038	0.033	0.078	0.072	0.103	0.097
	Right side	0.520	0.024	0.002	0.084	0.075	0.008	0.001	0.554	0.547	0.687	0.680	0.712	0.706
	Left side	0.045	0.254	0.001	0.203	0.082	0.084	0.001	0.384	0.301	0.413	0.330	0.669	0.586
LTE Band 30 Ant2	Front side	0.685	0.153	0.028	0.126	0.072	0.078	0.003	0.944	0.869	0.961	0.886	1.142	1.067
	Back side	0.506	0.142	0.028	0.123	0.470	0.062	0.003	0.737	0.679	1.160	1.101	1.329	1.271
	Top side	0.047	0.047	0.176	0.023	0.222	0.016	0.038	0.286	0.309	0.308	0.330	0.531	0.553
	Bottom side	0.925	0.022	0.003	0.024	0.040	0.008	0.002	0.958	0.952	0.997	0.992	1.022	1.017
	Right side	0.172	0.024	0.002	0.084	0.075	0.008	0.001	0.205	0.199	0.339	0.332	0.364	0.357
	Left side	0.196	0.254	0.001	0.203	0.082	0.084	0.001	0.535	0.452	0.565	0.481	0.820	0.737
LTE Band 38 Ant2	Front side	0.274	0.153	0.028	0.126	0.072	0.078	0.003	0.533	0.458	0.550	0.475	0.731	0.656
	Back side	0.200	0.142	0.028	0.123	0.470	0.062	0.003	0.431	0.373	0.854	0.796	1.024	0.966
	Top side	0.024	0.047	0.176	0.023	0.222	0.016	0.038	0.263	0.285	0.285	0.307	0.508	0.530
	Bottom side	0.473	0.022	0.003	0.024	0.040	0.008	0.002	0.506	0.500	0.545	0.540	0.570	0.565
	Right side	0.065	0.024	0.002	0.084	0.075	0.008	0.001	0.098	0.092	0.231	0.225	0.257	0.250
	Left side	0.076	0.254	0.001	0.203	0.082	0.084	0.001	0.416	0.333	0.445	0.362	0.701	0.618
LTE Band 41 Ant2	Front side	0.287	0.153	0.028	0.126	0.072	0.078	0.003	0.546	0.471	0.563	0.489	0.744	0.669
	Back side	0.264	0.142	0.028	0.123	0.470	0.062	0.003	0.495	0.437	0.918	0.860	1.088	1.030
	Top side	0.028	0.047	0.176	0.023	0.222	0.016	0.038	0.267	0.289	0.289	0.311	0.512	0.534
	Bottom side	0.625	0.022	0.003	0.024	0.040	0.008	0.002	0.658	0.652	0.697	0.692	0.722	0.717
	Right side	0.073	0.024	0.002	0.084	0.075	0.008	0.001	0.106	0.100	0.240	0.233	0.265	0.258
	Left side	0.087	0.254	0.001	0.203	0.082	0.084	0.001	0.426	0.343	0.456	0.373	0.712	0.628
LTE Band 66 Ant2	Front side	0.192	0.153	0.028	0.126	0.072	0.078	0.003	0.451	0.376	0.468	0.393	0.648	0.574
	Back side	0.257	0.142	0.028	0.123	0.470	0.062	0.003	0.489	0.430	0.912	0.853	1.081	1.023
	Top side	0.016	0.047	0.176	0.023	0.222	0.016	0.038	0.255	0.278	0.277	0.299	0.500	0.522
	Bottom side	0.431	0.022	0.003	0.024	0.040	0.008	0.002	0.464	0.458	0.503	0.498	0.528	0.523
	Right side	0.087	0.024	0.002	0.084	0.075	0.008	0.001	0.120	0.113	0.253	0.247	0.279	0.272
	Left side	0.034	0.254	0.001	0.203	0.082	0.084	0.001	0.374	0.291	0.403	0.320	0.659	0.576
LTE Band 71 Ant1	Front side	0.030	0.153	0.028	0.126	0.072	0.078	0.003	0.289	0.214	0.306	0.231	0.487	0.412
	Back side	0.037	0.142	0.028	0.123	0.470	0.062	0.003	0.268	0.210	0.691	0.633	0.861	0.803
	Top side	0.004	0.047	0.176	0.023	0.222	0.016	0.038	0.243	0.265	0.264	0.286	0.487	0.509
	Bottom side	0.055	0.022	0.003	0.024	0.040	0.008	0.002	0.088	0.082	0.127	0.122	0.152	0.147
	Right side	0.045	0.024	0.002	0.084	0.075	0.008	0.001	0.079	0.072	0.212	0.205	0.237	0.231
	Left side	0.050	0.254	0.001	0.203	0.082	0.084	0.001	0.389	0.306	0.419	0.336	0.674	0.591
LTE Band 71 Ant3	Front side	0.396	0.153	0.028	0.126	0.072	0.078	0.003	0.655	0.580	0.672	0.597	0.853	0.778
	Back side	0.425	0.142	0.028	0.123	0.470	0.062	0.003	0.656	0.598	1.079	1.021	1.249	1.190
	Top side	0.045	0.047	0.176	0.023	0.222	0.016	0.038	0.284	0.307	0.306	0.328	0.529	0.551
	Bottom side	0.047	0.022	0.003	0.024	0.040	0.008	0.002	0.080	0.074	0.119	0.114	0.144	0.139
	Right side	0.545	0.024	0.002	0.084	0.075	0.008	0.001	0.578	0.571	0.711	0.704	0.737	0.730
	Left side	0.050	0.254	0.001	0.203	0.082	0.084	0.001	0.390	0.306	0.419	0.336	0.675	0.592
NR n2 Ant2	Front side	0.285	0.153	0.028	0.126	0.072	0.078	0.003	0.544	0.470	0.562	0.487	0.742	0.668
	Back side	0.312	0.142	0.028	0.123	0.470	0.062	0.003	0.543	0.485	0.966	0.908	1.136	1.078
	Top side	0.015	0.047	0.176	0.023	0.222	0.016	0.038	0.254	0.276	0.275	0.298	0.499	0.521
	Bottom side	0.498	0.022	0.003	0.024	0.040	0.008	0.002	0.531	0.526	0.570	0.565	0.595	0.590
	Right side	0.096	0.024	0.002	0.084	0.075	0.008	0.001	0.130	0.123	0.263	0.256	0.288	0.281
	Left side	0.078	0.254	0.001	0.203	0.082	0.084	0.001	0.418	0.335	0.447	0.364	0.703	0.620
NR n5 Ant1	Front side	0.096	0.153	0.028	0.126	0.072	0.078	0.003	0.355	0.280	0.372	0.297	0.553	0.478
	Back side	0.103	0.142	0.028	0.123	0.470	0.062	0.003	0.334	0.276	0.757	0.699	0.927	0.869
	Top side	0.006	0.047	0.176	0.023	0.222	0.016	0.038	0.245	0.267	0.267	0.289	0.490	0.512
	Bottom side	0.133	0.022	0.003	0.024	0.040	0.008	0.002	0.165	0.160	0.205	0.199	0.230	0.224
	Right side	0.109	0.024	0.002	0.084	0.075	0.008	0.001	0.143	0.136	0.276	0.269	0.301	0.294
	Left side	0.125	0.254	0.001	0.203	0.082	0.084	0.001	0.464	0.381	0.494	0.410	0.749	0.666
NR n5 Ant3	Front side	0.266	0.153	0.028	0.126	0.072	0.078	0.003	0.525	0.451	0.542	0.468	0.723	0.648
	Back side	0.298	0.142	0.028	0.123	0.470	0.062	0.003	0.529	0.471	0.952	0.894	1.121	1.063
	Top side	0.035	0.047	0.176	0.023	0.222	0.016	0.038	0.274	0.296	0.295	0.317	0.518	0.540
	Bottom side	0.036	0.022	0.003	0.024	0.040	0.008	0.002	0.069	0.063	0.108	0.103	0.133	0.128
	Right side	0.387	0.024	0.002	0.084	0.075	0.008	0.001	0.420	0.413	0.553	0.547	0.579	0.572
	Left side	0.039	0.254	0.001	0.203	0.082	0.084	0.001	0.378	0.295	0.408	0.324	0.663	0.580
NR n7 Ant2	Front side	0.717	0.153	0.028	0.126	0.072	0.078	0.003	0.976	0.901	0.993	0.918	1.174	1.099
	Back side	0.435	0.142	0.028	0.123	0.470	0.062	0.003	0.666	0.608	1.089	1.031	1.259	1.201
	Top side	0.009	0.047	0.176	0.023	0.222	0.016	0.038	0.248	0.270	0.270	0.292	0.493	0.515
	Bottom side	1.143	0.022	0.003	0.024	0.040	0.008	0.002	1.176	1.171	1.215	1.210	1.240	1.235
	Right side	0.190	0.024	0.002	0.084	0.075	0.008	0.001	0.223	0.216	0.356	0.349	0.382	0.375
	Left side	0.087	0.254	0.001	0.203	0.082	0.084	0.001	0.426	0.343	0.456	0.373	0.712	0.628
NR n12 Ant1	Front side	0.101	0.153	0.028	0.126	0.072	0.078	0.003	0.360	0.285	0.377	0.302	0.558	0.483
	Back side	0.042	0.142	0.028	0.123	0.470	0.062	0.003	0.273	0.215	0.696	0.638	0.866	0.808
	Top side	0.002	0.047	0.176	0.023	0.222	0.016	0.038	0.241	0.263	0.262	0.285	0.486	0.508
	Bottom side	0.083	0.022	0.003	0.024	0.040	0.008	0.002	0.116	0.110	0.155	0.150	0.180	0.175
	Right side	0.003	0.024	0.002	0.084	0.075	0.008	0.001	0.036	0.030	0.170	0.163	0.195	0.188
	Left side	0.035	0.254	0.001	0.203	0.082	0.084	0.001	0.375	0.291	0.404	0.321	0.660	0.577
NR n12 Ant3	Front side	0.289	0.153	0.028	0.126	0.072	0.078	0.003	0.548	0.473	0.565	0.490	0.746	0.671
	Back side	0.124	0.142	0.028	0.123	0.470	0.062	0.003	0.356	0.297	0.779	0.720	0.948	0.890
	Top side	0.018	0.047	0.176	0.023	0.222	0.016	0.038	0.257	0.279	0.278	0.300	0.501	0.523
	Bottom side	0.007	0.022	0.003	0.024	0.040	0.008	0.002	0.040	0.034	0.079	0.074	0.104	0.099
	Right side	0.150	0.024	0.002	0.084	0.075	0.008	0.001	0.183	0.176	0.316	0.309	0.342	0.335
	Left side	0.085	0.254	0.001	0.203	0.082	0.084	0.001	0.424	0.341	0.454	0.371	0.709	0.626
NR n25 Ant2	Front side	0.282	0.153	0.028	0.126	0.072	0.078	0.003	0.541	0.466	0.558	0.483	0.739	0.664
	Back side	0.294	0.142	0.028	0.123	0.470	0.062	0.003	0.525	0.467	0.948	0.890	1.118	1.060
	Top side	0.017	0.047	0.176	0.023	0.222	0.016	0.038	0.256	0.278	0.277	0.299	0.500	0.523
	Bottom side	0.472	0.022	0.003	0.024	0.040	0.008	0.002	0.505	0.499	0.544	0.539	0.569	0.564
	Right side	0.096	0.024	0.002	0.084	0.075	0.008	0.001	0.130	0.123	0.263	0.256	0.288	0.282
	Left side	0.083	0.254	0.001	0.203	0.082	0.084	0.001	0.422	0.339	0.452	0.369	0.707	0.624
NR n38 Ant2	Front side	0.933	0.153	0.028	0.126	0.072	0.078	0.003	1.192	1.117	1.209	1.134	1.390	1.315
	Back side	0.757	0.142	0.028	0.123	0.470	0.062	0.003	0.988	0.930	1.411	1.353	1.580	1.522
	Top side	0.005	0.047	0.176	0.023	0.222	0.016	0.038	0.244	0.266	0.265	0.288	0.489	0.511
	Bottom side	1.148	0.022	0.003	0.024	0.040	0.008	0.002	1.180	1.175	1.220	1.214	1.245	1.239
	Right side	0.354	0.024	0.002	0.084	0.075	0.008	0.001	0.388	0.381	0.521	0.514	0.546	0.540
	Left side	0.027	0.254	0.001	0.203	0.082	0.084	0.001	0.367	0.284	0.396	0.313	0.652	0.569
NR n66 Ant2	Front side	0.315	0.153	0.028	0.126	0.072	0.078	0.003	0.574	0.499	0.591	0.517	0.772	0.697
	Back side	0.293	0.142	0.028	0.123	0.470	0.062	0.003	0.524	0.466	0.947	0.889	1.117	1.059
	Top side	0.005	0.047	0.176	0.023	0.222	0.016	0.038	0.244	0.266	0.265	0.288	0.488	0.511
	Bottom side	0.415	0.022	0.003	0.024	0.040	0.008	0.002	0.447	0.442	0.487	0.481	0.512	0.506
	Right side	0.178	0.024	0.002	0.084	0.075	0.008	0.001	0.211	0.204	0.344	0.338	0.370	0.363
	Left side	0.029	0.254	0.001	0.203	0.082	0.084	0.001	0.368	0.285	0.398	0.315	0.653	0.570
NR n77 Ant4	Front side	0.178	0.153	0.028	0.126	0.072	0.078	0.003	0.437	0.362	0.454	0.379	0.635	0.560
	Back side	0.160	0.142	0.028	0.123	0.470	0.062	0.003	0.391	0.333	0.814	0.756	0.984	0.925
	Top side	0.081	0.047	0.176	0.023	0.222	0.016	0.038	0.320	0.342	0.342	0.364	0.565	0.587
	Bottom side	0.013	0.022	0.003	0.024	0.040	0.008	0.002	0.046	0.040	0.085	0.080	0.110	0.105
	Right side	0.005	0.024	0.002	0.084	0.075	0.008	0.001	0.038	0.032	0.172	0.165	0.197	0.190
	Left side	0.814	0.254	0.001	0.203	0.082	0.084	0.001	1.154	1.070	1.183	1.100	1.439	1.355
NR n77 Ant5	Front side	0.268	0.153	0.028	0.126	0.072	0.078	0.003	0.527	0.452	0.544	0.470	0.725	0.650
	Back side	0.271	0.142	0.028	0.123	0.470	0.062	0.003	0.502	0.444	0.925	0.867	1.095	1.037
	Top side	0.046	0.047	0.176	0.023	0.222	0.016	0.038	0.285	0.307	0.307	0.329	0.530	0.552
	Bottom side	0.021	0.022	0.003	0.024	0.040	0.008	0.002	0.054	0.048	0.093	0.088	0.118	0.113
	Right side	0.010	0.024	0.002	0.084	0.075	0.008	0.001	0.043	0.037	0.177	0.170	0.202	0.195
	Left side	0.650	0.254	0.001	0.203	0.082	0.084	0.001	0.989	0.906	1.019	0.935	1.274	1.191

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Product specific 10-g SAR

The simultaneous hotspot mode exposure conditions:

WWAN	Exposure position 1g(W/kg)	1	2	3	4	5	6	7	1+2+3+6 Sum	1+2+3+7 Sum	1+4+5+6 Sum	1+4+5+7 Sum	1+2+3+4+5+6 Sum	1+2+3+4+5+7 Sum
		WWAN	WLAN 2.4GHz Chain 0	WLAN 2.4GHz Chain 1	WLAN 5GHz Chain 0	WLAN 5GHz Chain 1	Bluetooth Chain0	Bluetooth Chain1						
NR n7 Ant2	Front side	-	-	-	0.371	0.143	0.144	0.055	0.144	0.055	0.658	0.569	0.658	0.569
	Back side	-	-	-	0.421	0.790	0.132	0.098	0.132	0.098	1.343	1.308	1.343	1.308
	Top side	-	-	-	0.186	0.390	0.049	0.259	0.049	0.259	0.625	0.835	0.625	0.835
	Bottom side	3.527	-	-	0.011	0.014	0.003	0.002	3.530	3.529	3.556	3.555	3.556	3.555
	Right side	-	-	-	0.013	0.097	0.052	0.041	0.052	0.041	0.162	0.151	0.162	0.151
	Left side	-	-	-	0.255	0.033	0.148	0.008	0.148	0.008	0.435	0.296	0.435	0.296
NR n38 Ant2	Front side	-	-	-	0.371	0.143	0.144	0.055	0.144	0.055	0.658	0.569	0.658	0.569
	Back side	-	-	-	0.421	0.790	0.132	0.098	0.132	0.098	1.343	1.308	1.343	1.308
	Top side	-	-	-	0.186	0.390	0.049	0.259	0.049	0.259	0.625	0.835	0.625	0.835
	Bottom side	3.234	-	-	0.011	0.014	0.003	0.002	3.237	3.236	3.262	3.262	3.262	3.262
	Right side	-	-	-	0.013	0.097	0.052	0.041	0.052	0.041	0.162	0.151	0.162	0.151
	Left side	-	-	-	0.255	0.033	0.148	0.008	0.148	0.008	0.435	0.296	0.435	0.296
NR n77 Ant4	Front side	-	-	-	0.371	0.143	0.144	0.055	0.144	0.055	0.658	0.569	0.658	0.569
	Back side	-	-	-	0.421	0.790	0.132	0.098	0.132	0.098	1.343	1.308	1.343	1.308
	Top side	-	-	-	0.186	0.390	0.049	0.259	0.049	0.259	0.625	0.835	0.625	0.835
	Bottom side	-	-	-	0.011	0.014	0.003	0.002	0.003	0.002	0.029	0.028	0.029	0.028
	Right side	-	-	-	0.013	0.097	0.052	0.041	0.052	0.041	0.162	0.151	0.162	0.151
	Left side	3.359	-	-	0.255	0.033	0.148	0.008	3.507	3.367	3.794	3.655	3.794	3.655
NR n77 Ant5	Front side	-	-	-	0.371	0.143	0.144	0.055	0.144	0.055	0.658	0.569	0.658	0.569
	Back side	-	-	-	0.421	0.790	0.132	0.098	0.132	0.098	1.343	1.308	1.343	1.308
	Top side	-	-	-	0.186	0.390	0.049	0.259	0.049	0.259	0.625	0.835	0.625	0.835
	Bottom side	-	-	-	0.011	0.014	0.003	0.002	0.003	0.002	0.029	0.028	0.029	0.028
	Right side	-	-	-	0.013	0.097	0.052	0.041	0.052	0.041	0.162	0.151	0.162	0.151
	Left side	3.553	-	-	0.255	0.033	0.148	0.008	3.701	3.561	3.988	3.849	3.988	3.849

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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	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
		D2450V2	835	Jun.15,2020	Jun.14,2021
		D2600V2	1005	Jan.22,2021	Jan.21,2022
		D3500V2	1009	Aug.12,2020	Aug.11,2021
		D3700V2	1057	Nov.17,2020	Nov.16,2021
		D3900V2	1032	Nov.17,2020	Nov.16,2021
		D5GHzV2	1023	Jan.26,2021	Jan.25,2022
SPEAG	Data acquisition Electronics	DAE4	856	Apr.23,2020	Apr.22,2021
SPEAG	Software	DASY 52 V52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	SAM	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	MY52180142	Oct.06,2020	Oct.05,2021
		778D	MY52180302	Oct.06,2020	Oct.05,2021

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Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
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
Anritsu	Radio Communication Test	MT8820C	6201061049	Arp.28,2020	Apr.27,2021
R&S	Radio communication test	CMW 500	165070	Apr.29,2020	Apr.28,2021

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5. Measurements

Date:2021/3/19

Report No. :EN/2021/20002

GSM 850_Head_Le Cheek_CH 190_Ant1

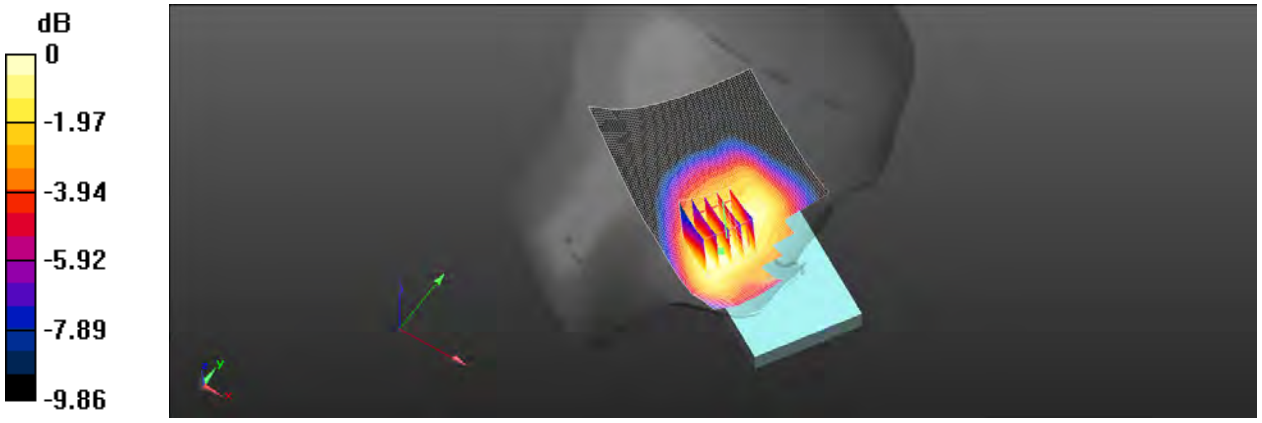
Communication System: GSM; Frequency: 836.6 MHz; Duty cycle= 1:8.3
Medium parameters used: f = 837 MHz; σ = 0.916 S/m; ε_r = 42.782; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0886 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.645 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0990 W/kg
SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.061 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 = 82.3%
Maximum value of SAR (measured) = 0.0914 W/kg



0 dB = 0.0914 W/kg = -10.39 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

GSM 850_Head_Re Cheek_CH 251_Ant3

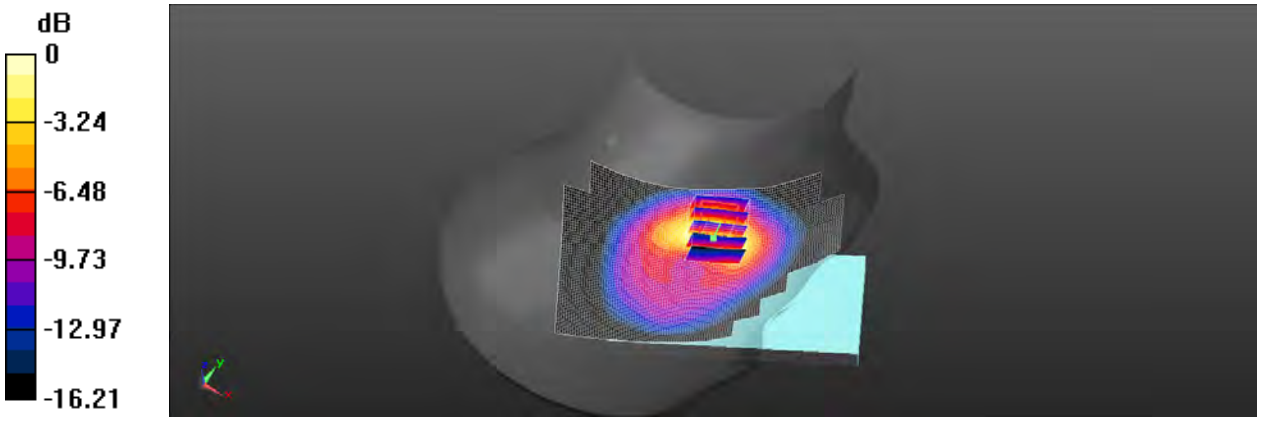
Communication System: GSM; Frequency: 848.8 MHz; Duty cycle= 1:8.3
Medium parameters used: f = 849 MHz; σ = 0.931 S/m; ε_r = 42.731; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 848.8 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.26 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.972 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.399 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 48.7%
Maximum value of SAR (measured) = 1.14 W/kg



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

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Date:2021/3/20

Report No. :EN/2021/20002

GSM 1900_Head_Re Cheek_CH 810_Ant2

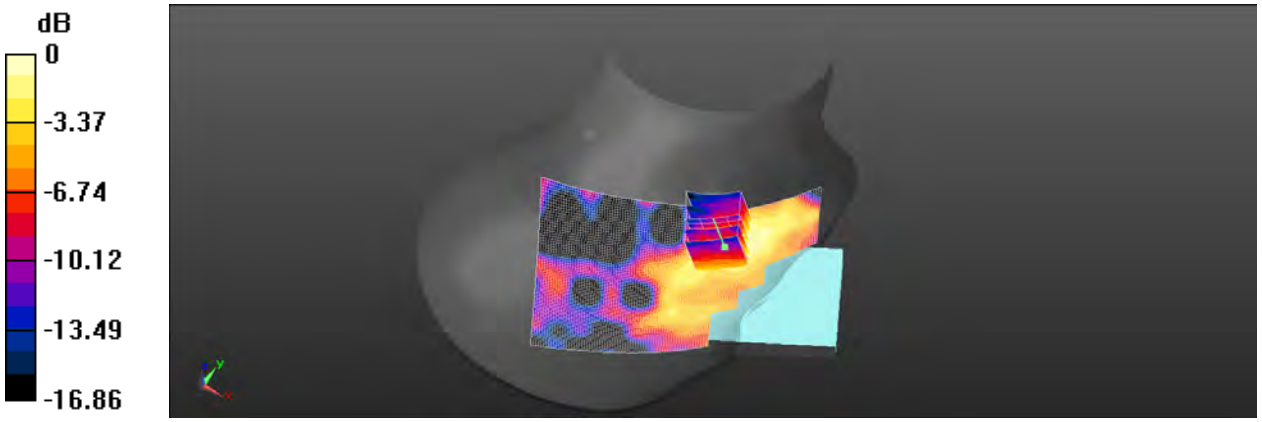
Communication System: GSM; Frequency: 1909.8 MHz; Duty cycle= 1:8.3
Medium parameters used: f = 1910 MHz; σ = 1.464 S/m; ε_r = 40.282; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1909.8 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0352 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.791 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0470 W/kg
SAR(1 g) = 0.028 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 = 60.9%
Maximum value of SAR (measured) = 0.0378 W/kg



0 dB = 0.0378 W/kg = -14.23 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

WCDMA Band II_Head_Re Cheek_CH 9538_Ant2

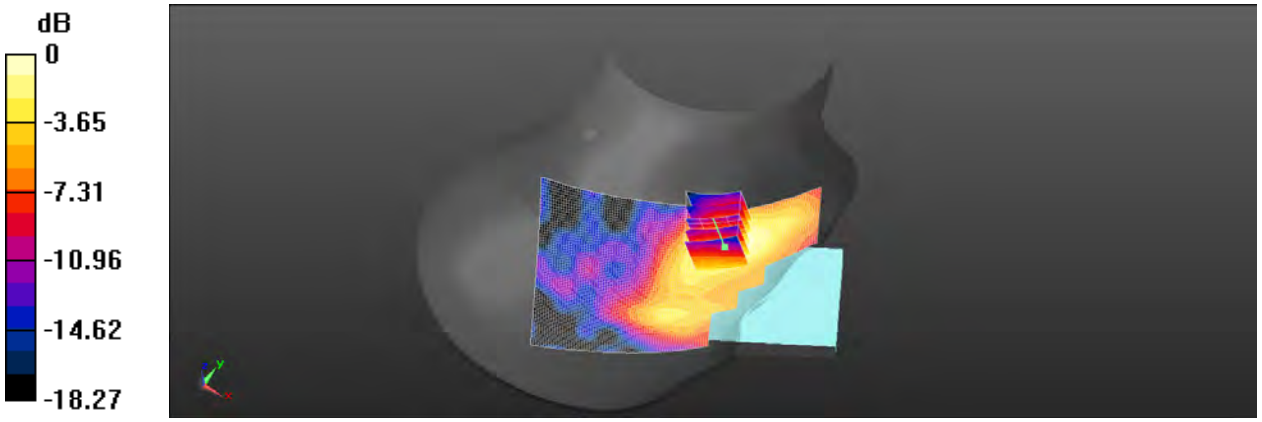
Communication System: WCDMA; Frequency: 1907.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 1908 MHz; σ = 1.461 S/m; ε_r = 40.316; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0907 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.786 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.115 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.043 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 = 64.1%
Maximum value of SAR (measured) = 0.0934 W/kg



0 dB = 0.0934 W/kg = -10.30 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

WCDMA Band IV_Head_Le Cheek_CH 1412_Ant2

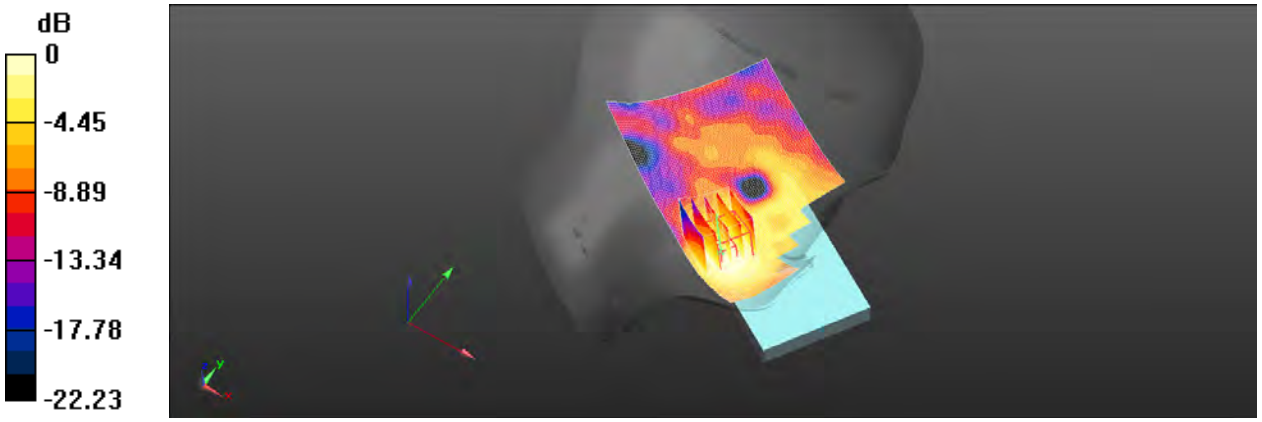
Communication System: WCDMA; Frequency: 1732.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.309 S/m; ε_r = 40.999; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1732.4 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0530 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.142 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0600 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.026 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 = 65.3%
Maximum value of SAR (measured) = 0.0502 W/kg



0 dB = 0.0502 W/kg = -12.99 dBW/kg

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Date: 2021/3/19

Report No. :EN/2021/20002

WCDMA Band V_Head_Le Cheek_CH 4132_Ant1

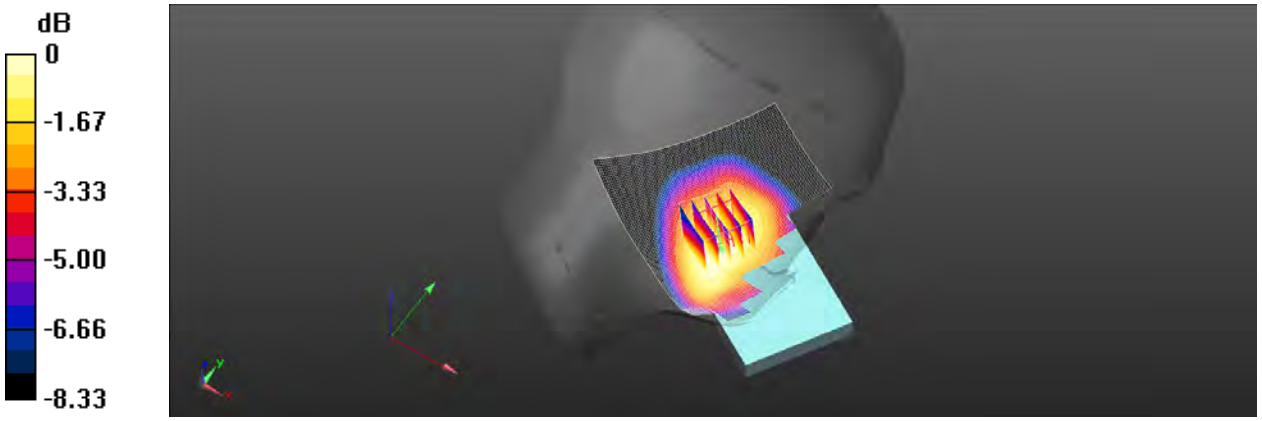
Communication System: WCDMA; Frequency: 826.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.908 S/m; ε_r = 42.795; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 826.4 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.109 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.125 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.117 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.077 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 = 83.2%
Maximum value of SAR (measured) = 0.109 W/kg



0 dB = 0.109 W/kg = -9.63 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

WCDMA Band V_Head_Re Cheek_CH 4233_Ant3

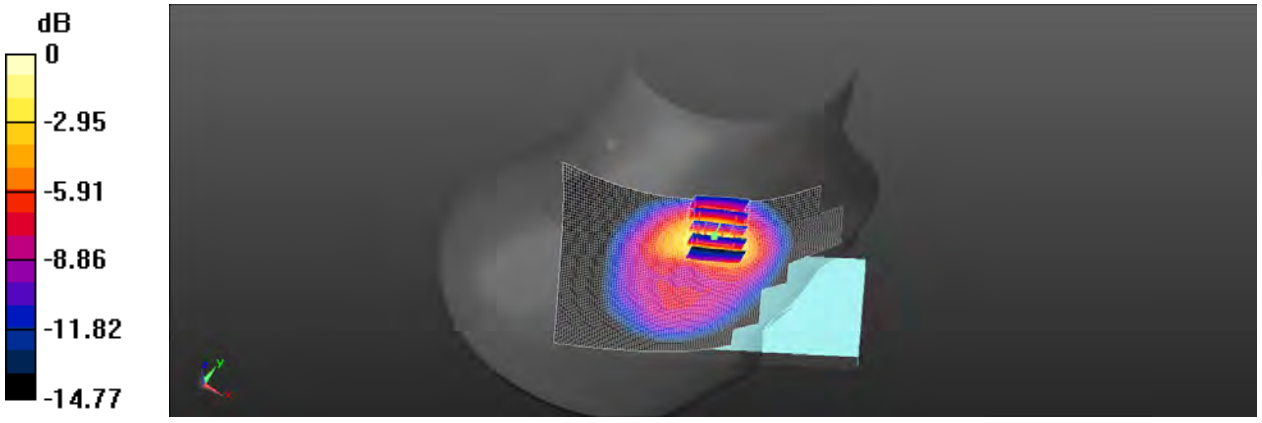
Communication System: WCDMA; Frequency: 846.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 847 MHz; σ = 0.928 S/m; ε_r = 42.736; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 846.6 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.787 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.124 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.370 W/kg
Smallest distance from peaks to all points 3 dB below = 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 53%
Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

LTE Band 2 (20MHz)_Head_Re Cheek_CH 18700_QPSK_1-0_Ant2

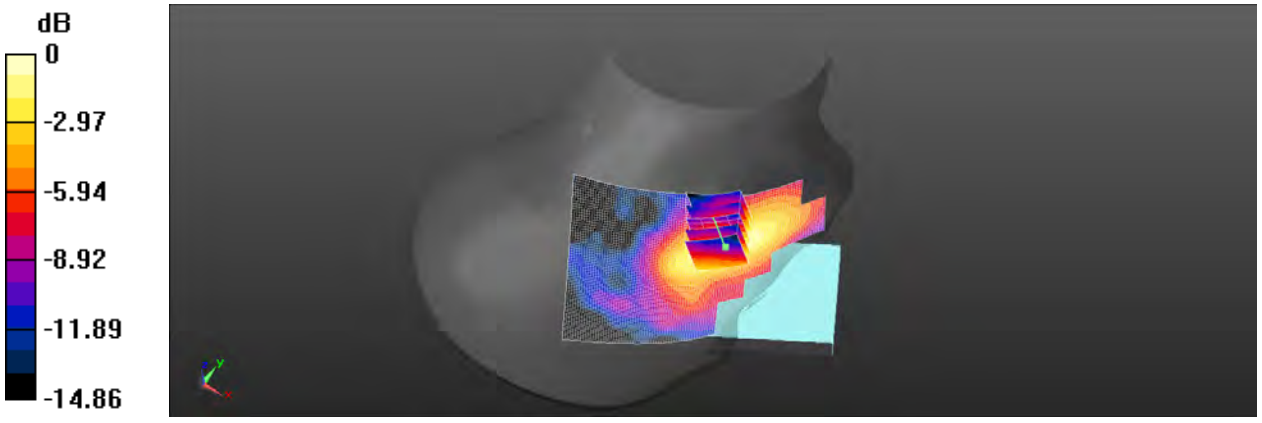
Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1
Medium parameters used: f = 1860 MHz; σ = 1.419 S/m; ε_r = 40.606; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0881 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.176 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.043 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 = 65.8%
Maximum value of SAR (measured) = 0.0889 W/kg



0 dB = 0.0889 W/kg = -10.51 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

LTE Band 4 (20MHz)_Head_Re Cheek_CH 20050_QPSK_1-0_Ant2

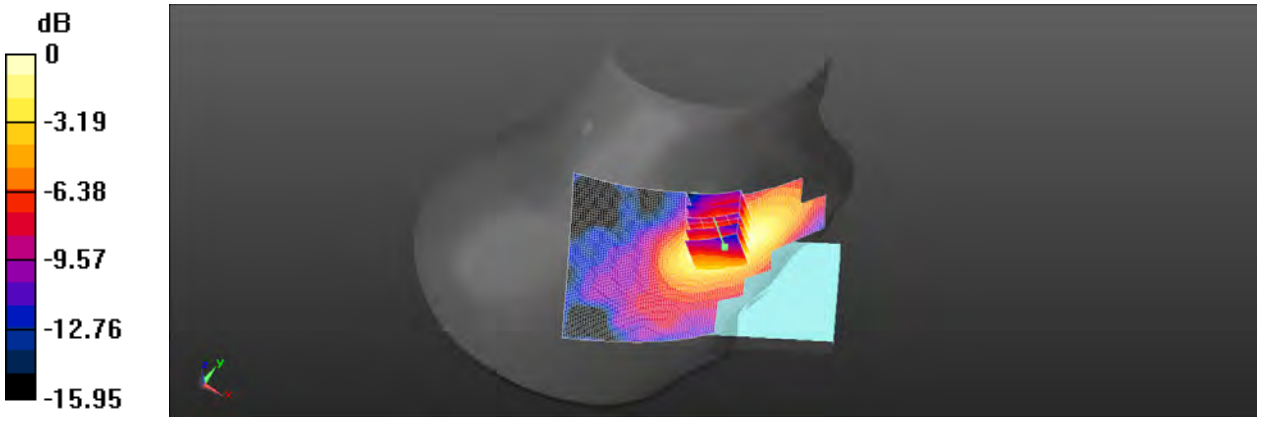
Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1
Medium parameters used: f = 1720 MHz; σ = 1.299 S/m; ε_r = 41.014; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0727 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.772 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0850 W/kg
SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.036 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 = 69.2%
Maximum value of SAR (measured) = 0.0681 W/kg



0 dB = 0.0681 W/kg = -11.67 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

LTE Band 5 (10MHz)_Head_Le Cheek_CH 20525_QPSK_1-0_Ant1

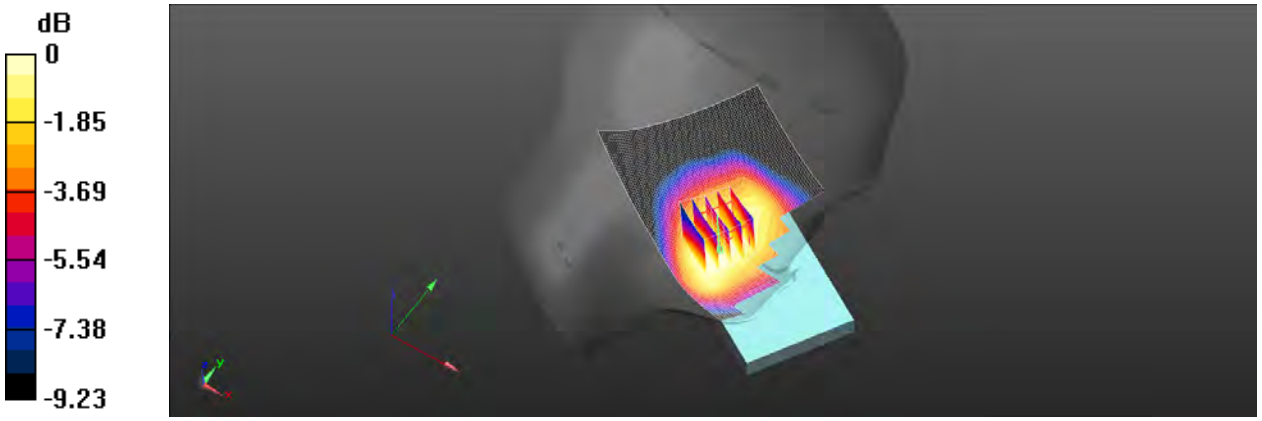
Communication System: LTE; Frequency: 836.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.915 S/m; ε_r = 42.784; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 836.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.150 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.198 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.103 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 = 81.8%
Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg = -8.27 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

LTE Band 5 (10MHz)_Head_Re Cheek_CH 20600_QPSK_1-0_Ant3

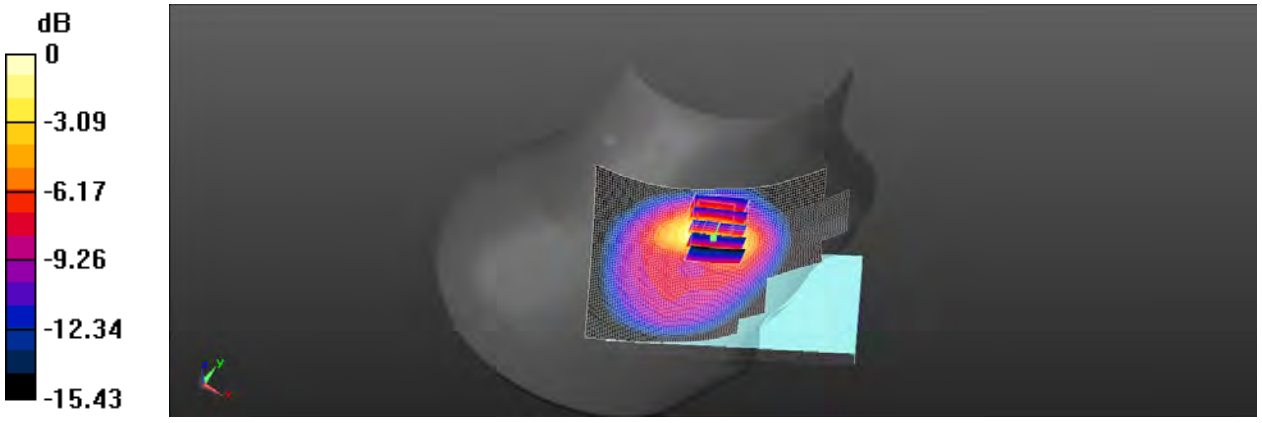
Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1
Medium parameters used: f = 844 MHz; σ = 0.924 S/m; ε_r = 42.737; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.843 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.515 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.281 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 49.4%
Maximum value of SAR (measured) = 0.814 W/kg



0 dB = 0.814 W/kg = -0.89 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

LTE Band 7 (20MHz)_Head_Re Cheek_CH 21100_QPSK_1-0_Ant1

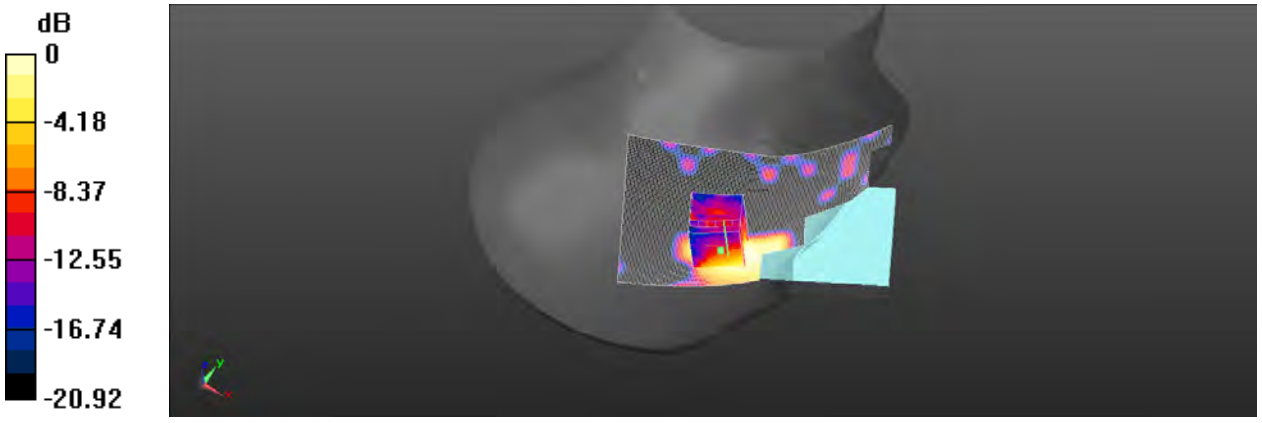
Communication System: LTE; Frequency: 2535 MHz; Duty cycle= 1:1
Medium parameters used: f = 2535 MHz; σ = 1.892 S/m; ε_r = 37.494; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.9°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2535 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0628 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.254 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0720 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.022 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 = 61.3%
Maximum value of SAR (measured) = 0.0561 W/kg



0 dB = 0.0561 W/kg = -12.51 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

LTE Band 7 (20MHz)_Head_Re Cheek_CH 21350_QPSK_1-0_Ant2

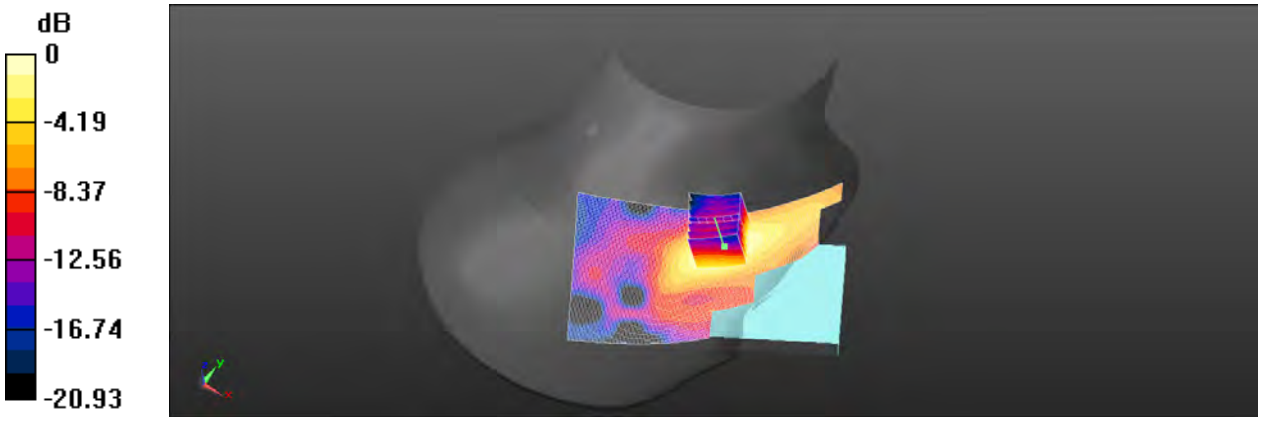
Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.913 S/m; ε_r = 37.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.9°C; Liquid temperature: 21.6°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.270 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.068 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.107 W/kg
Smallest distance from peaks to all points 3 dB below = 11.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.1%
Maximum value of SAR (measured) = 0.267 W/kg



0 dB = 0.267 W/kg = -5.73 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

LTE Band 12 (10MHz)_Head_Le Cheek_CH 23130_QPSK_1-0_Ant1

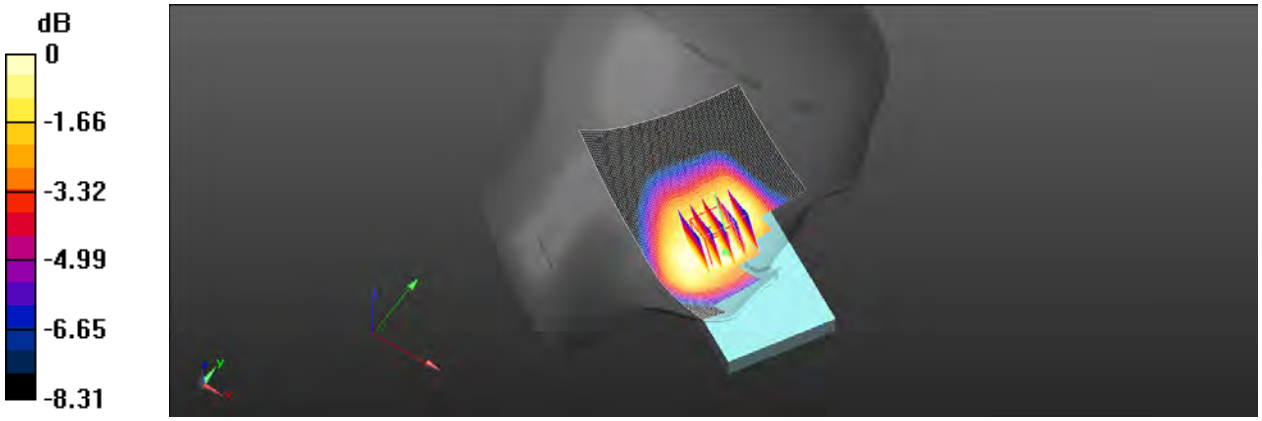
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.898 S/m; ε_r = 43.512; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.193 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.032 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.081 W/kg
Smallest distance from peaks to all points 3 dB below = 33.4 mm
Ratio of SAR at M2 to SAR at M1 = 87.1%
Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

LTE Band 12 (10MHz)_Head_Re Cheek_CH 23130_QPSK_1-0_Ant3

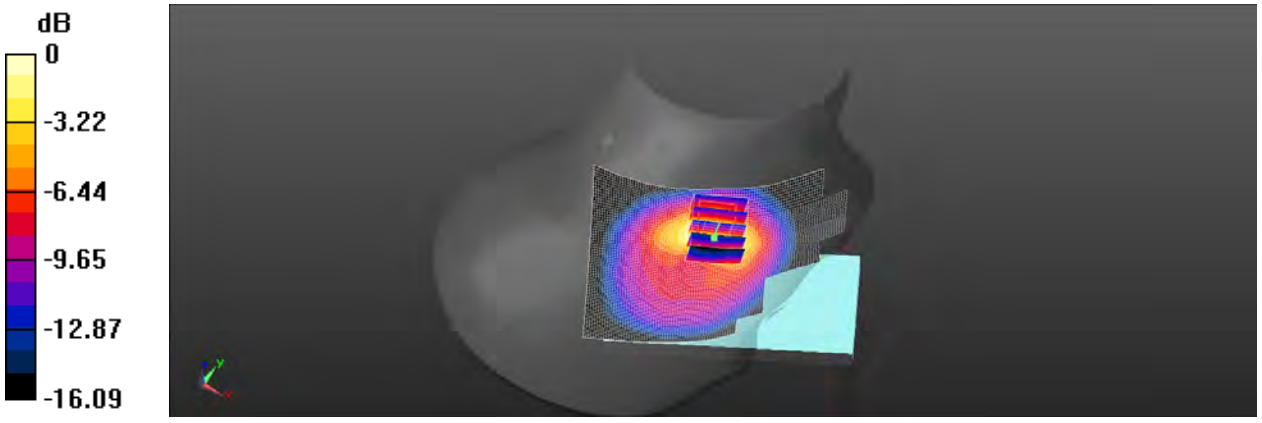
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.898 S/m; ε_r = 43.512; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.566 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.196 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.775 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.181 W/kg
Smallest distance from peaks to all points 3 dB below = 10.4 mm
Ratio of SAR at M2 to SAR at M1 = 44.7%
Maximum value of SAR (measured) = 0.548 W/kg



0 dB = 0.548 W/kg = -2.61 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

LTE Band 17 (10MHz)_Head_Le Cheek_CH 23800_QPSK_1-0_Ant1

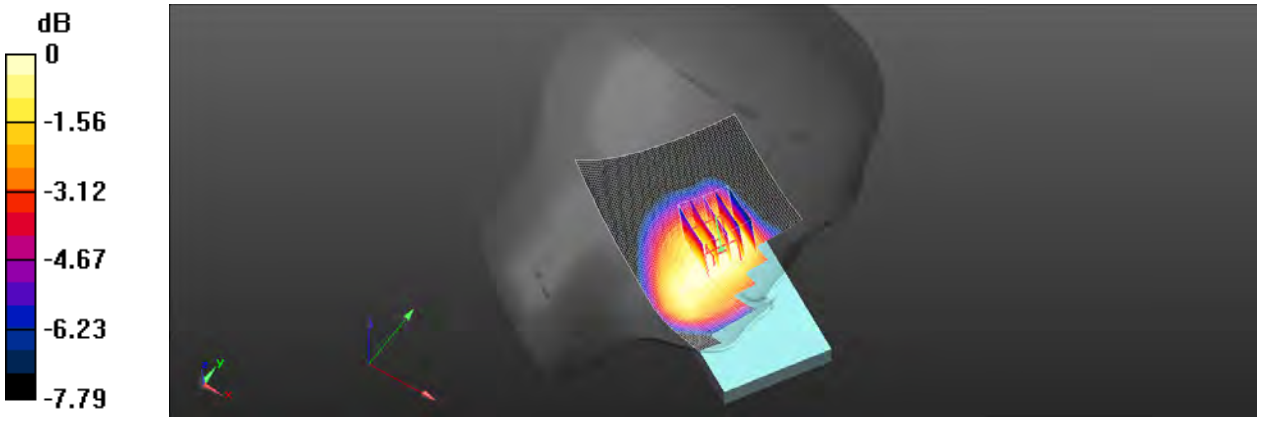
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.898 S/m; ε_r = 43.512; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.123 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.382 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.088 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 = 85.5%
Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.122 W/kg = -9.14 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

LTE Band 17 (10MHz)_Head_Re Cheek_CH 23800_QPSK_1-0_Ant3

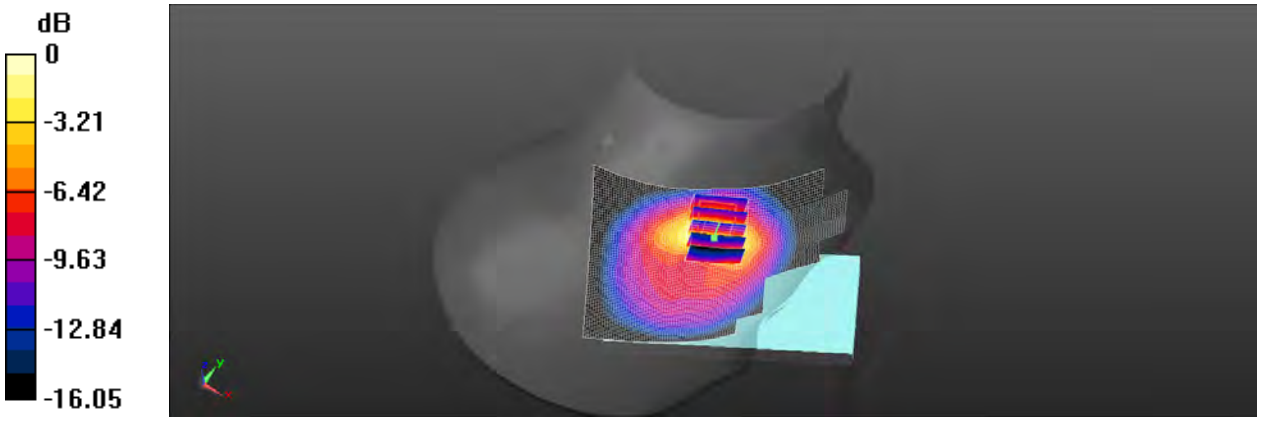
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.898 S/m; ε_r = 43.512; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.554 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.028 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.750 W/kg
SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.177 W/kg
Smallest distance from peaks to all points 3 dB below = 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 45%
Maximum value of SAR (measured) = 0.533 W/kg



0 dB = 0.533 W/kg = -2.73 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

LTE Band 25 (20MHz)_Head_Re Cheek_CH 26590_QPSK_1-0_Ant2

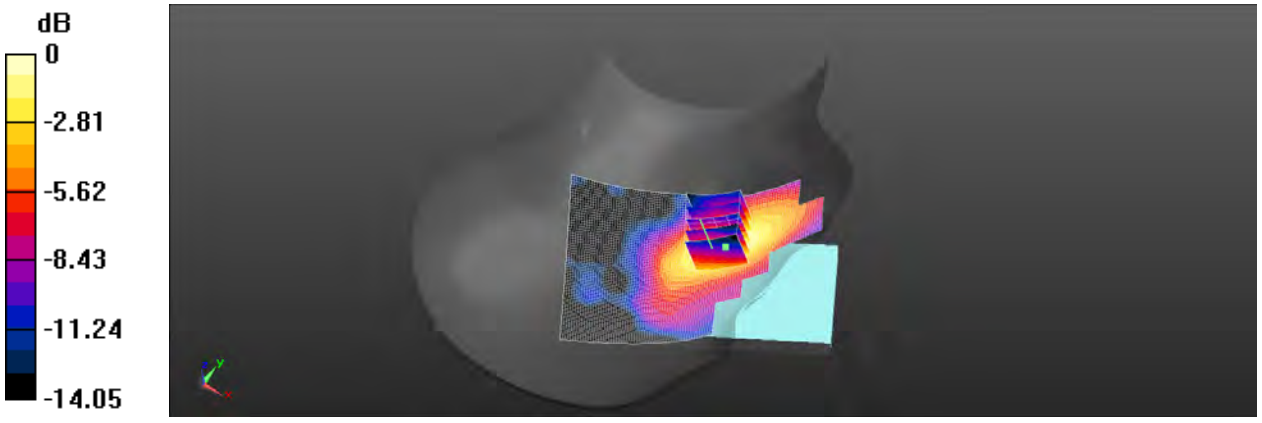
Communication System: LTE; Frequency: 1905 MHz; Duty cycle= 1:1
Medium parameters used: f = 1905 MHz; σ = 1.458 S/m; ε_r = 40.329; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1905 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0874 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.579 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.040 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 = 65.1%
Maximum value of SAR (measured) = 0.0835 W/kg



0 dB = 0.0835 W/kg = -10.78 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

LTE Band 26 (15MHz)_Head_Le Cheek_CH 26965_QPSK_1-0_Ant1

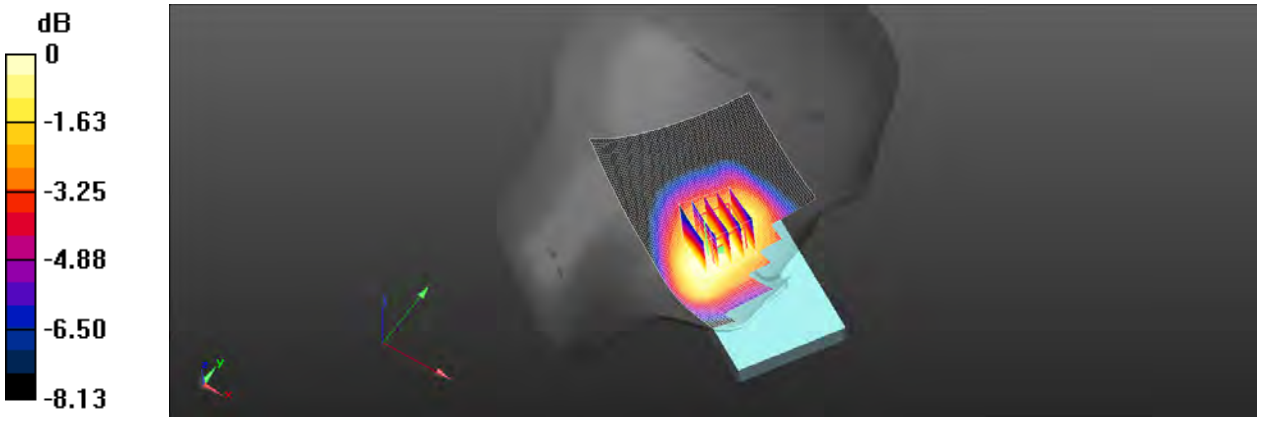
Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.921 S/m; ε_r = 42.745; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 841.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.111 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.683 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.119 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.076 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 = 80.6%
Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.110 W/kg = -9.59 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

LTE Band 26 (15MHz)_Head_Re Cheek_CH 26965_QPSK_1-0_Ant3

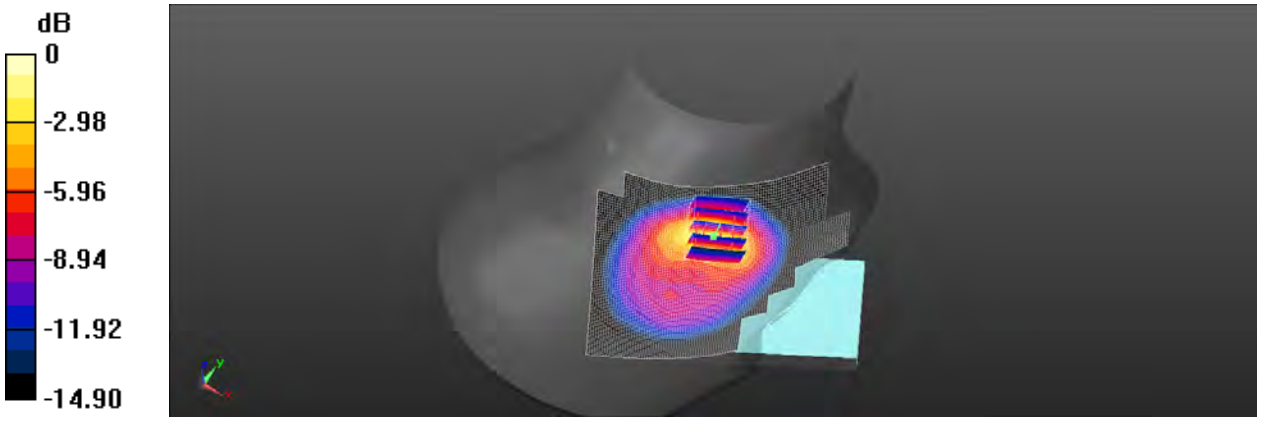
Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.921 S/m; ε_r = 42.745; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 841.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): 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 = 8.531 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.300 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 56.7%
Maximum value of SAR (measured) = 0.816 W/kg



0 dB = 0.816 W/kg = -0.88 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

LTE Band 30 (10MHz)_Head_Re Cheek_CH 27710_QPSK_1-0_Ant2

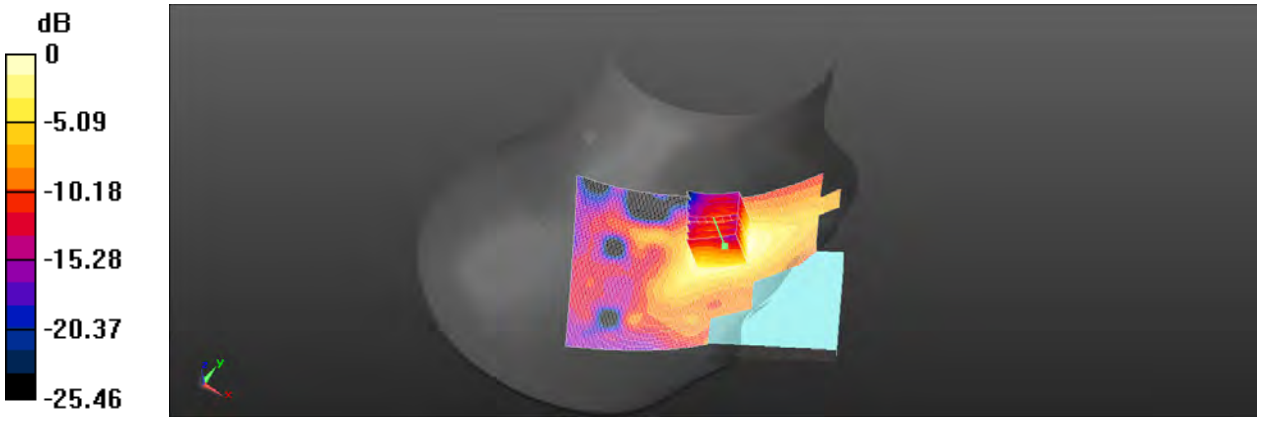
Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1
Medium parameters used: f = 2310 MHz; σ = 1.693 S/m; ε_r = 39.395; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.2°C; Liquid temperature: 22.0°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x161x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.228 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.084 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.083 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 59.7%
Maximum value of SAR (measured) = 0.205 W/kg



0 dB = 0.205 W/kg = -6.88 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

LTE Band 38 (20MHz)_Head_Re Cheek_CH 38150_QPSK_1-0_Ant2

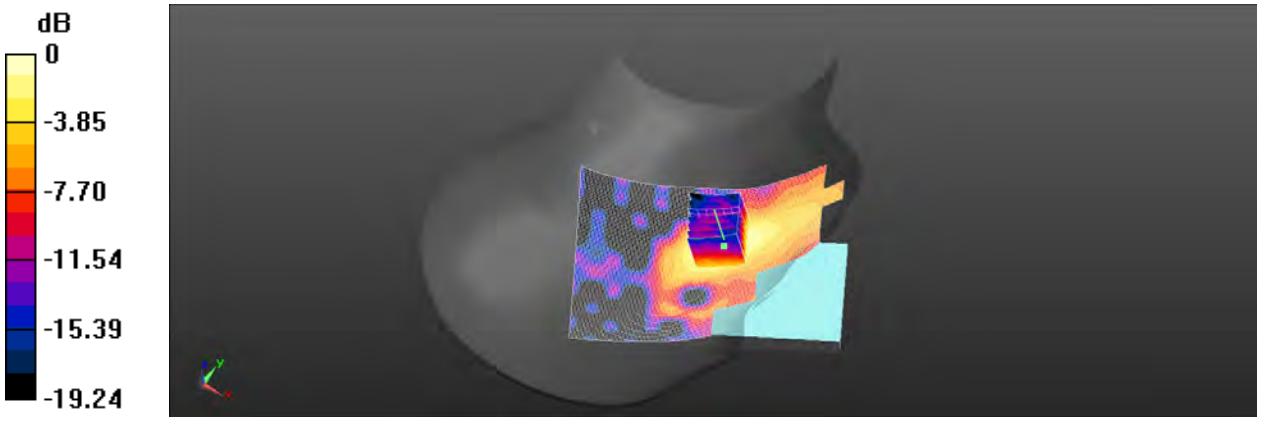
Communication System: LTE; Frequency: 2610 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2610 MHz; σ = 1.952 S/m; ε_r = 37.347; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.9°C; Liquid temperature: 21.6°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.123 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.507 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.046 W/kg
Smallest distance from peaks to all points 3 dB below = 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 54.3%
Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

LTE Band 41 (20MHz)_Head_Re Cheek_CH 41490_QPSK_1-0_Ant2

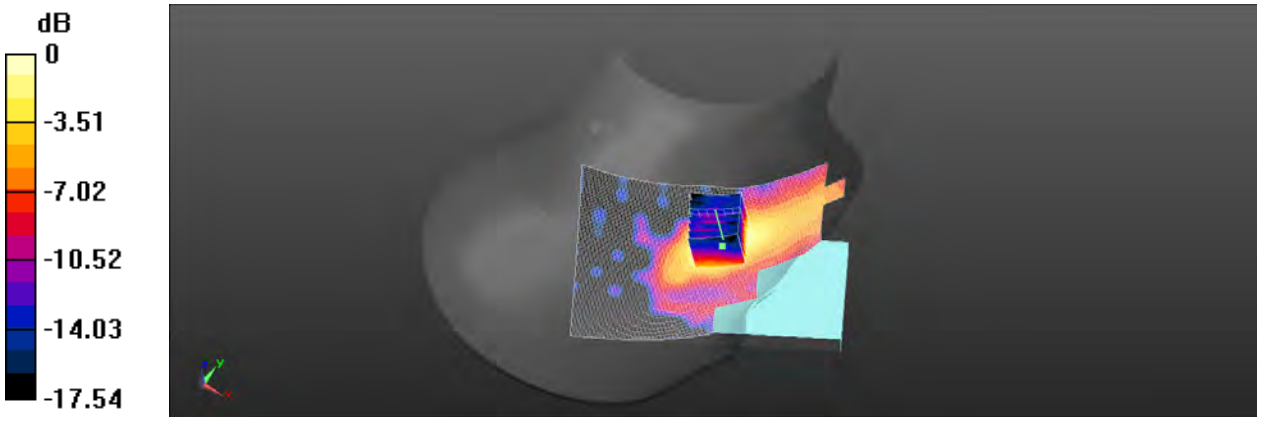
Communication System: LTE; Frequency: 2680 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2680 MHz; σ = 2.011 S/m; ε_r = 37.222; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.9°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2680 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.143 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.846 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.185 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.053 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.141 W/kg = -8.51 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

LTE Band 66 (20MHz)_Head_Re Cheek_CH 132572_QPSK_1-0_Ant2

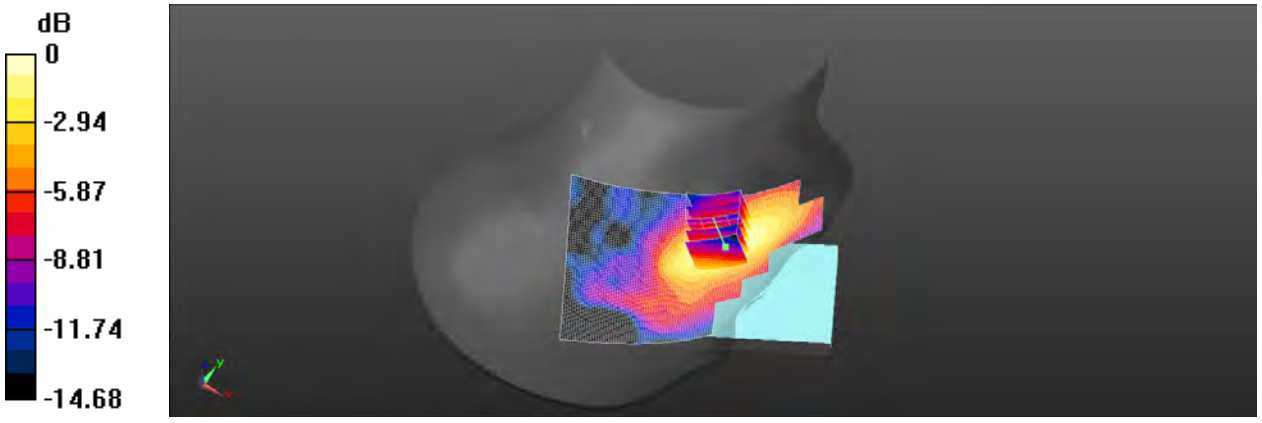
Communication System: LTE; Frequency: 1770 MHz; Duty cycle= 1:1
Medium parameters used: f = 1770 MHz; σ = 1.341 S/m; ε_r = 40.889; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1770 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0662 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.803 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0810 W/kg
SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.033 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 = 68%
Maximum value of SAR (measured) = 0.0649 W/kg



0 dB = 0.0649 W/kg = -11.88 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

LTE Band 71 (20MHz)_Head_Le Cheek_CH 133222_QPSK_1-0_Ant1

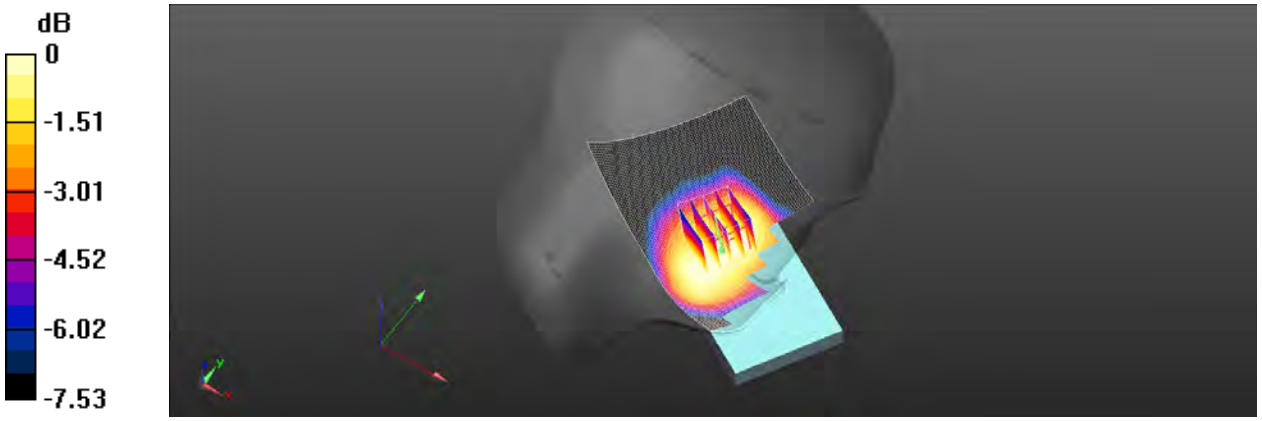
Communication System: LTE; Frequency: 673 MHz; Duty cycle= 1:1
Medium parameters used: f = 673 MHz; σ = 0.885 S/m; ε_r = 43.955; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 673 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0811 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.224 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.0840 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.057 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 = 85.7%
Maximum value of SAR (measured) = 0.0781 W/kg



0 dB = 0.0781 W/kg = -11.07 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

LTE Band 71 (20MHz)_Head_Re Cheek_CH 133372_QPSK_1-0_Ant3

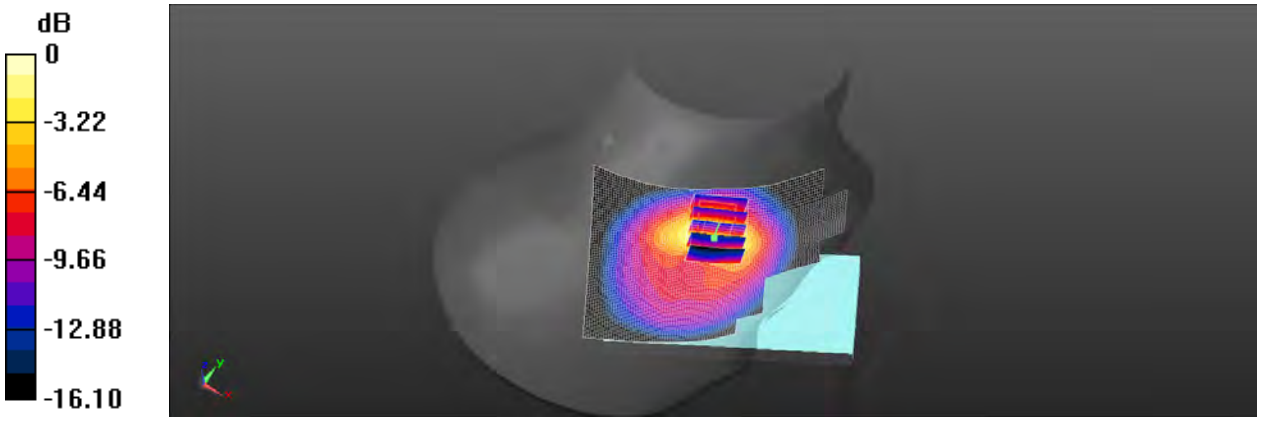
Communication System: LTE; Frequency: 688 MHz; Duty cycle= 1:1
Medium parameters used: f = 688 MHz; σ = 0.889 S/m; ε_r = 43.769; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 688 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): 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 = 8.752 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.360 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 44.6%
Maximum value of SAR (measured) = 1.08 W/kg



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

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Date:2021/3/20

Report No. :EN/2021/20002

NR n2 (20MHz)_Head_Re Cheek_CH 380000_Pi/2 BPSK_1-1_Ant2

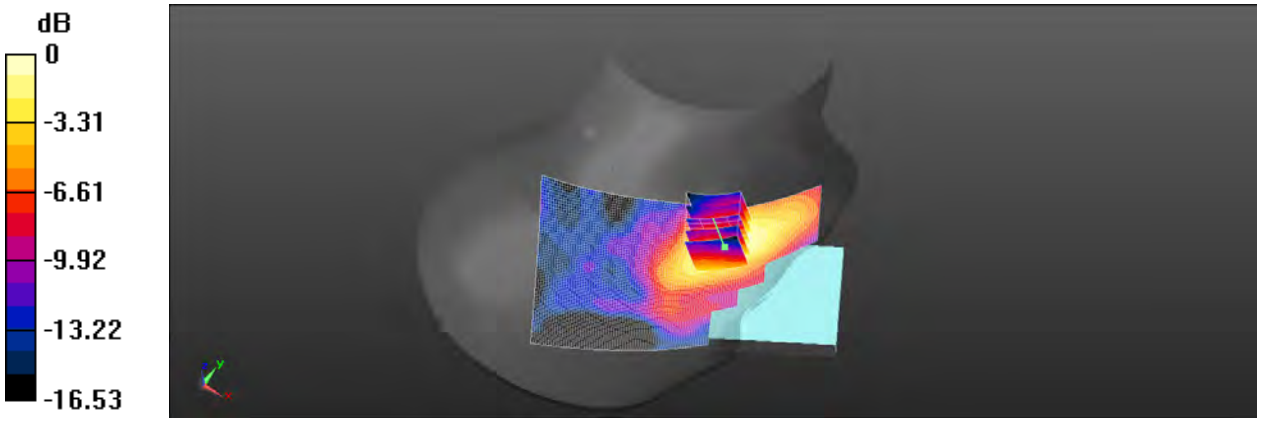
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.454 S/m; ε_r = 40.349; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.110 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.708 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.050 W/kg
Smallest distance from peaks to all points 3 dB below = 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 65%
Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.110 W/kg = -9.59 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

NR n5 (20MHz)_Head_Le Cheek_CH 166800_Pi/2 BPSK_1-1_Ant1

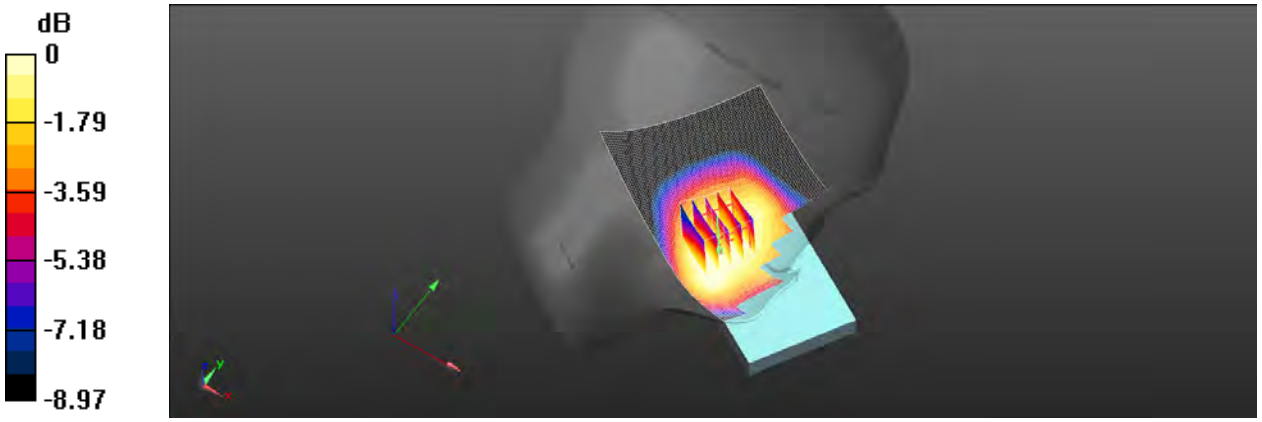
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 834 MHz; Duty cycle= 1:1
Medium parameters used: f = 834 MHz; σ = 0.912 S/m; ε_r = 42.787; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 834 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.107 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.409 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.103 W/kg
SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.067 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 = 82.4%
Maximum value of SAR (measured) = 0.0953 W/kg



0 dB = 0.0953 W/kg = -10.21 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

NR n5 (20MHz)_Head_Re Cheek_CH 166800_Pi/2 BPSK_1-1_Ant3

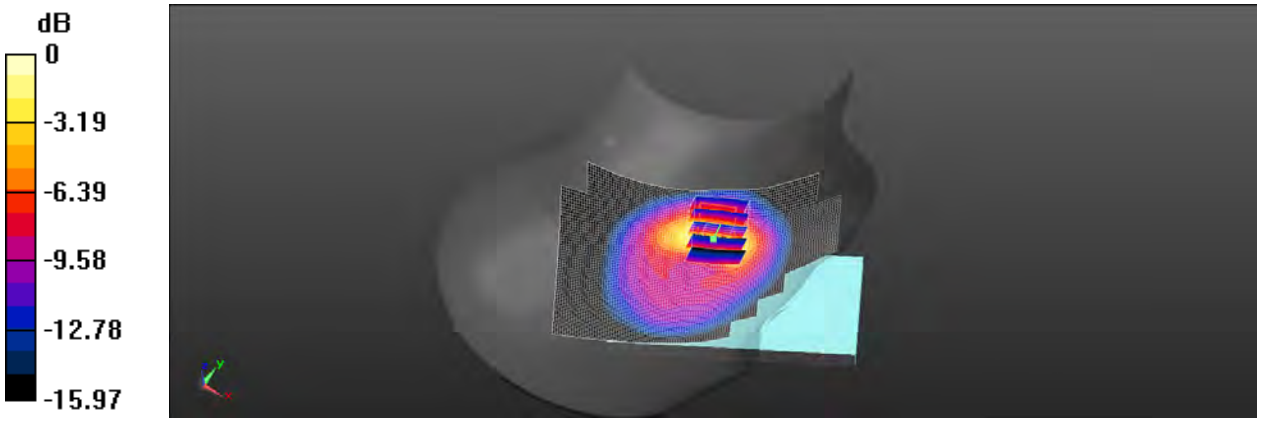
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 834 MHz; Duty cycle= 1:1
Medium parameters used: f = 834 MHz; σ = 0.912 S/m; ε_r = 42.787; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 834 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): 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 = 8.726 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.322 W/kg
Smallest distance from peaks to all points 3 dB below = 9.4 mm
Ratio of SAR at M2 to SAR at M1 = 45.8%
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

NR n7 (20MHz)_Head_Re Cheek_CH 512000_Pi/2 BPSK_1-1_Ant2

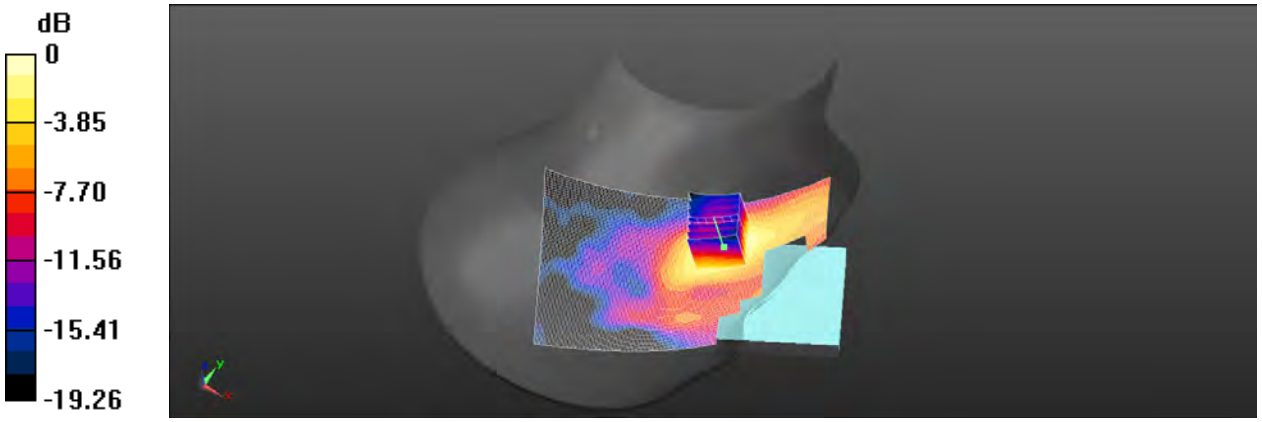
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.913 S/m; ε_r = 37.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.9°C; Liquid temperature: 21.6°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.360 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.372 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.428 W/kg
SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.130 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 57.4%
Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg = -4.79 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

NR n12 (15MHz)_Head_Le Cheek_CH 141700_Pi/2 BPSK_1-1_Ant1

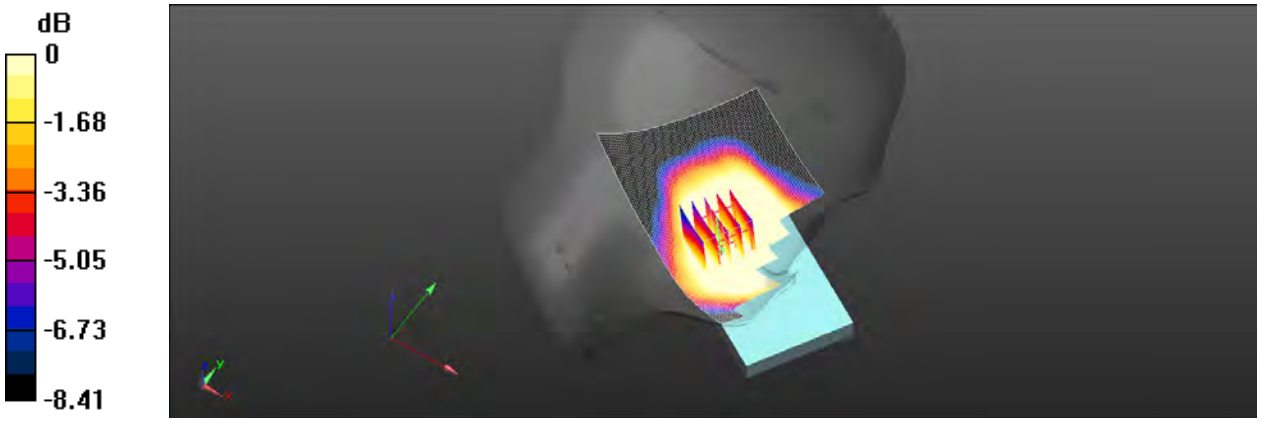
Communication System: 5G NR (15 MHz,Pi/2 BPSK, 15 kHz); Frequency: 708.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 708.5 MHz; σ = 0.895 S/m; ε_r = 43.563; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 708.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.115 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.009 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0500 W/kg
SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.033 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 = 83%
Maximum value of SAR (measured) = 0.0461 W/kg



0 dB = 0.0461 W/kg = -13.36 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

NR n12 (15MHz)_Head_Re Cheek_CH 141300_Pi/2 BPSK_1-1_Ant3

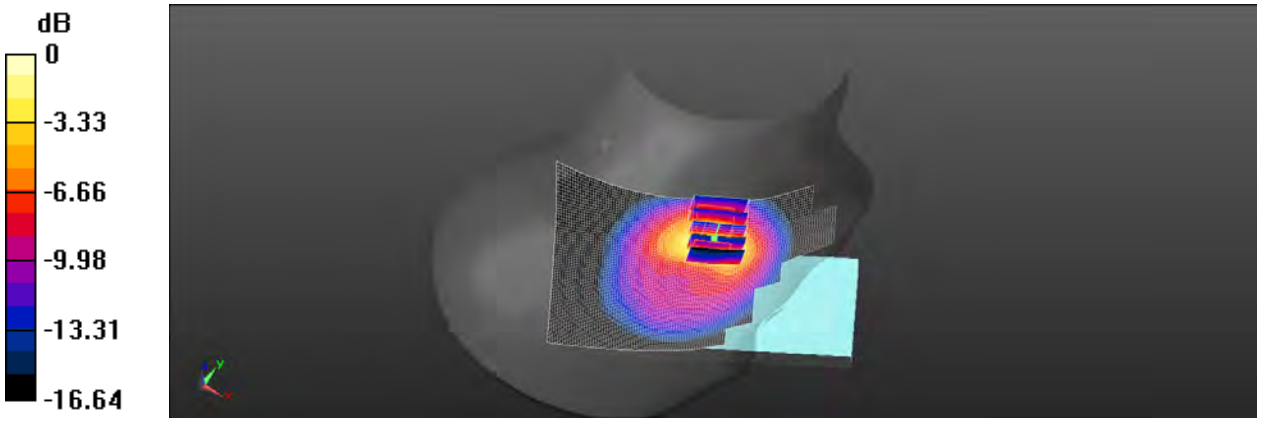
Communication System: 5G NR (15 MHz,Pi/2 BPSK, 15 kHz); Frequency: 706.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 706.5 MHz; σ = 0.893 S/m; ε_r = 43.568; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 706.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.724 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.328 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.309 W/kg
Smallest distance from peaks to all points 3 dB below = 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 44.5%
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

NR n25 (20MHz)_Head_Re Cheek_CH 381000_Pi/2 BPSK_1-1_Ant2

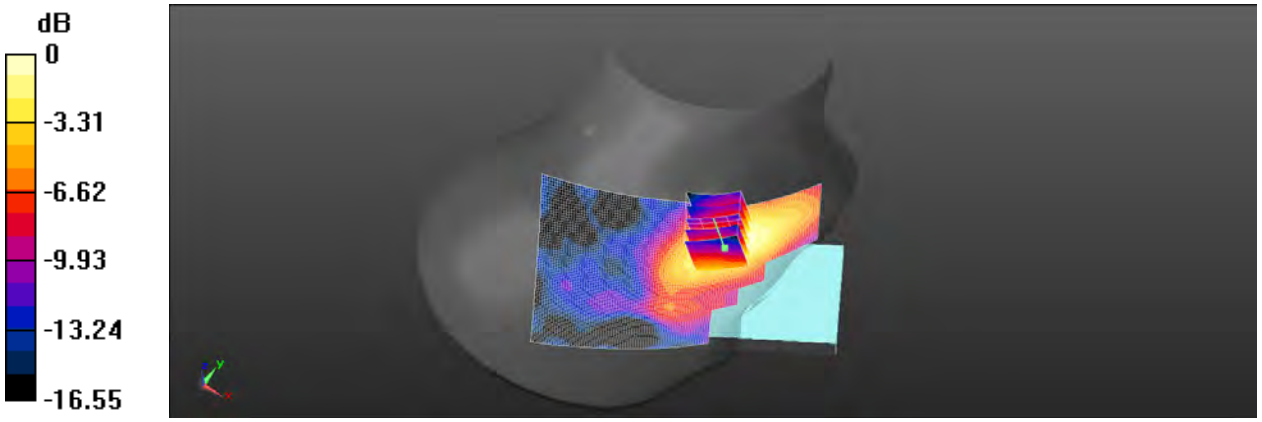
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1905 MHz; Duty cycle= 1:1
Medium parameters used: f = 1905 MHz; σ = 1.458 S/m; ε_r = 40.329; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1905 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.121 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.589 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.056 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 66%
Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

NR n38 (40MHz)_Head_Re Cheek_CH 522000_Pi/2 BPSK_1-1_Ant2

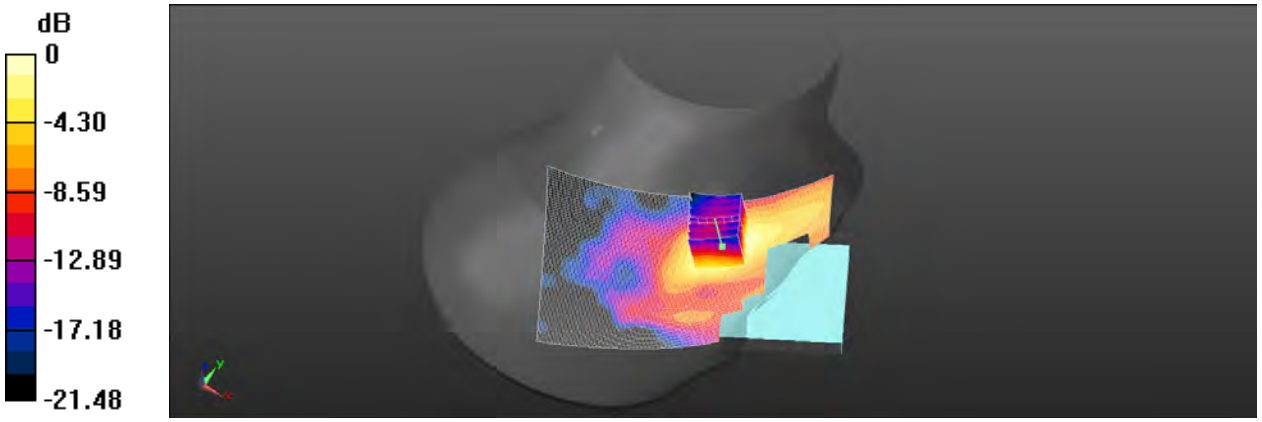
Communication System: 5G NR (40 MHz,Pi/2 QPSK, 30kHz); Frequency: 2610 MHz; Duty cycle= 1:1
Medium parameters used: f = 2610 MHz; σ = 1.952 S/m; ε_r = 37.347; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.9°C; Liquid temperature: 21.6°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.492 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.632 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.587 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.179 W/kg
Smallest distance from peaks to all points 3 dB below = 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.1%
Maximum value of SAR (measured) = 0.459 W/kg



0 dB = 0.459 W/kg = -3.38 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

NR n66 (20MHz)_Head_Re Cheek_CH 354000_Pi/2 BPSK_1-1_Ant2

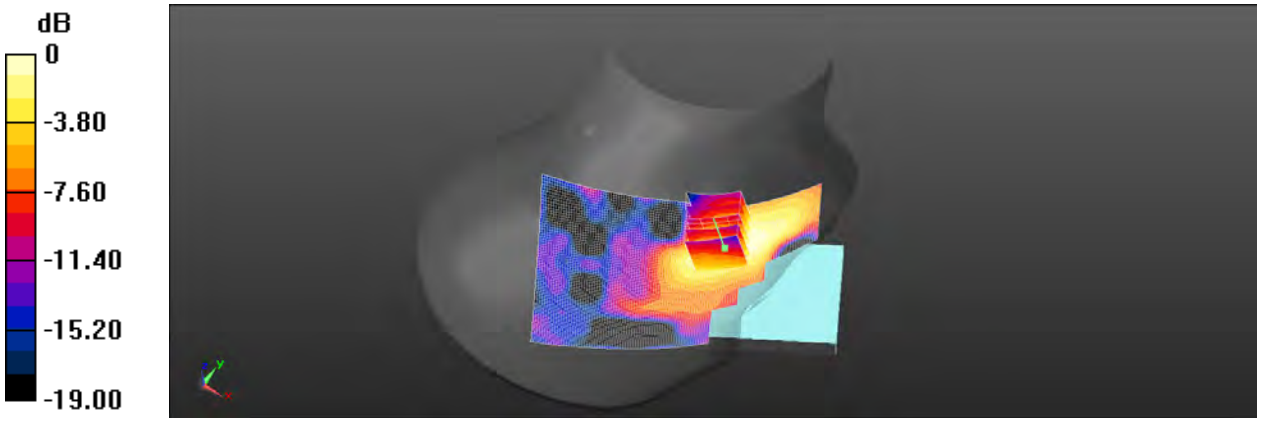
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1770 MHz; Duty cycle= 1:1
Medium parameters used: f = 1770 MHz; σ = 1.341 S/m; ε_r = 40.889; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1770 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0858 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.497 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.103 W/kg
SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.042 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 = 66.7%
Maximum value of SAR (measured) = 0.0840 W/kg



0 dB = 0.0840 W/kg = -10.76 dBW/kg

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Date:2021/3/22

Report No. :EN/2021/20002

NR n77 (100MHz)_Head_Re Cheek_CH 650000_Pi/2 BPSK_1-1_Ant4

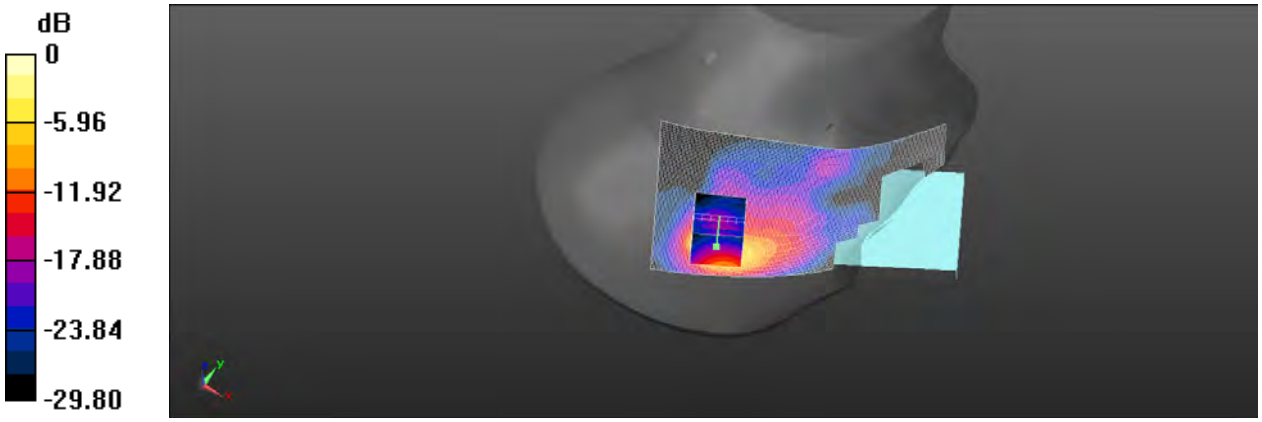
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3750 MHz; Duty cycle= 1:1
Medium parameters used: f = 3750 MHz; σ = 3.173 S/m; ε_r = 36.531; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.6, 6.6, 6.6) @ 3750 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 7.801 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.579 W/kg
Smallest distance from peaks to all points 3 dB below = 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 44.5%
Maximum value of SAR (measured) = 1.16 W/kg



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

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Date:2021/3/22

Report No. :EN/2021/20002

NR n77 (100MHz)_Head_Re Cheek_CH 657200_Pi/2 BPSK_1-1_Ant5

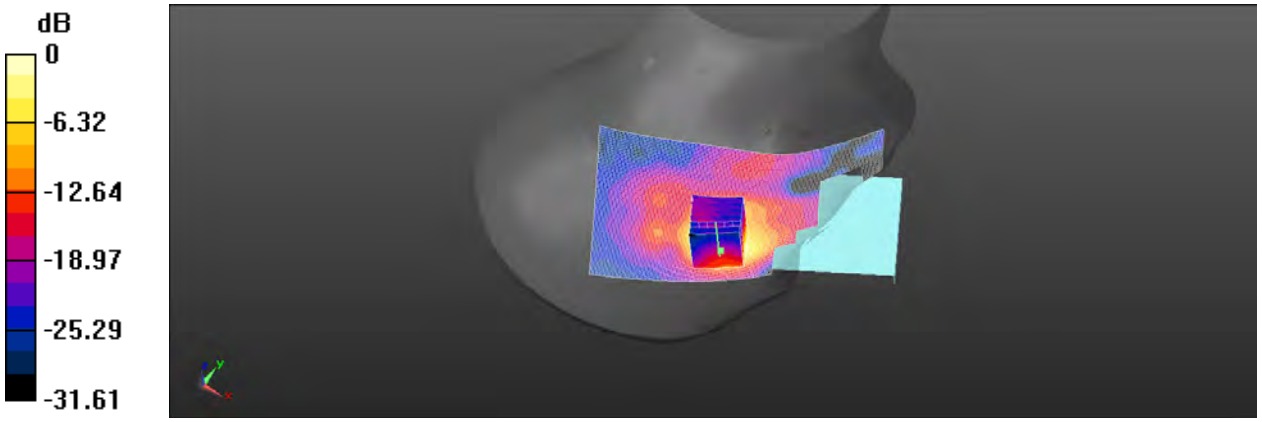
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3858 MHz; Duty cycle= 1:1
Medium parameters used: f = 3858 MHz; σ = 3.339 S/m; ε_r = 36.429; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.39, 6.39, 6.39) @ 3858 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.57 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 8.221 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.513 W/kg
Smallest distance from peaks to all points 3 dB below = 5.2 mm
Ratio of SAR at M2 to SAR at M1 = 43.1%
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

GSM 850_Head_Re Cheek_CH 251_Ant3

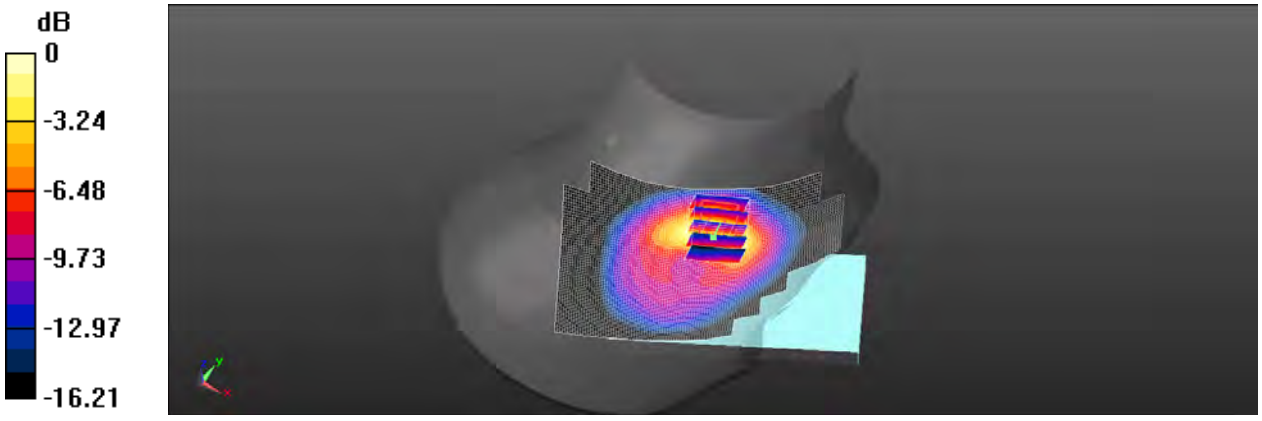
Communication System: GSM; Frequency: 848.8 MHz; Duty cycle= 1:8.3
Medium parameters used: f = 849 MHz; σ = 0.931 S/m; ε_r = 42.731; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 848.8 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.487 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.747 W/kg; SAR(10 g) = 0.383 W/kg
Smallest distance from peaks to all points 3 dB below = 11.5mm
Ratio of SAR at M2 to SAR at M1 = 49.3%
Maximum value of SAR (measured) = 1.11 W/kg



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

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Date:2021/3/19

Report No. :EN/2021/20002

WCDMA Band V_Head_Re Cheek_CH 4233_Ant3

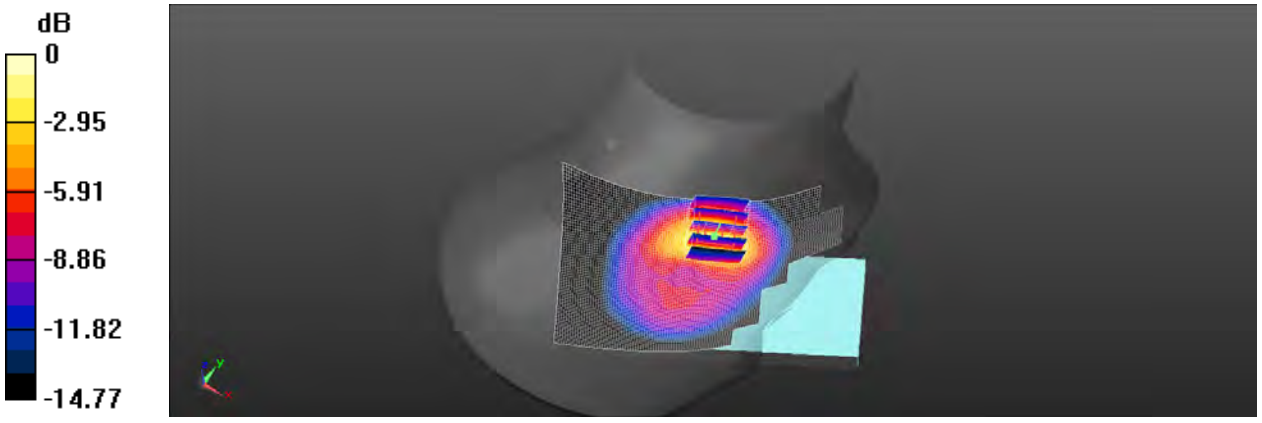
Communication System: WCDMA; Frequency: 846.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 847 MHz; σ = 0.928 S/m; ε_r = 42.736; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 846.6 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.787 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.124 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.370 W/kg
Smallest distance from peaks to all points 3 dB below = 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 53%
Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

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Date:2021/3/19

Report No. :EN/2021/20002

LTE Band 26 (15MHz)_Head_Re Cheek_CH 26965_QPSK_1-0_Ant3_FCC

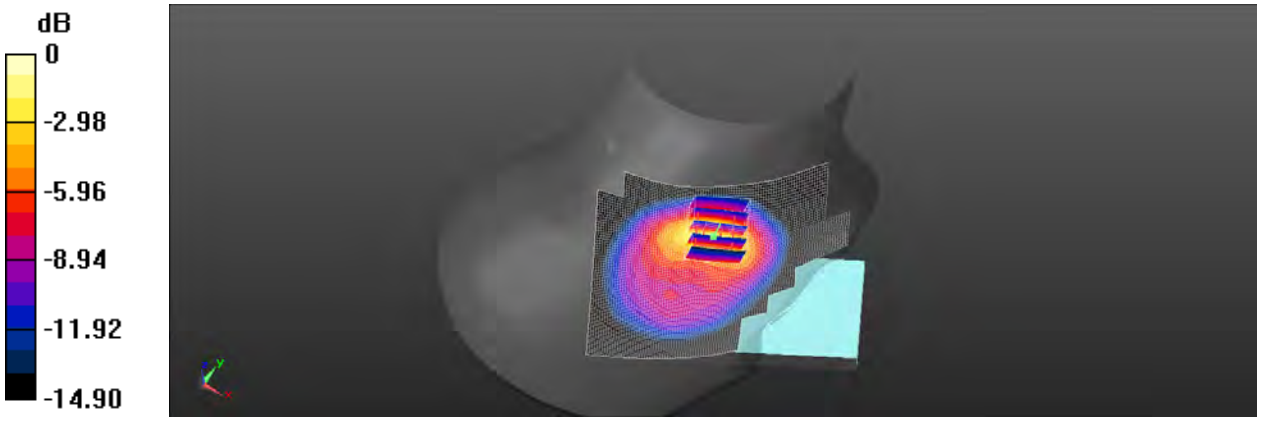
Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.921 S/m; ε_r = 42.745; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 841.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): 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 = 8.531 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.300 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 56.7%
Maximum value of SAR (measured) = 0.816 W/kg



0 dB = 0.816 W/kg = -0.88 dBW/kg

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Date:2021/3/18

Report No. :EN/2021/20002

LTE Band 71 (20MHz)_Head_Re Cheek_CH 133372_QPSK_1-0_Ant3

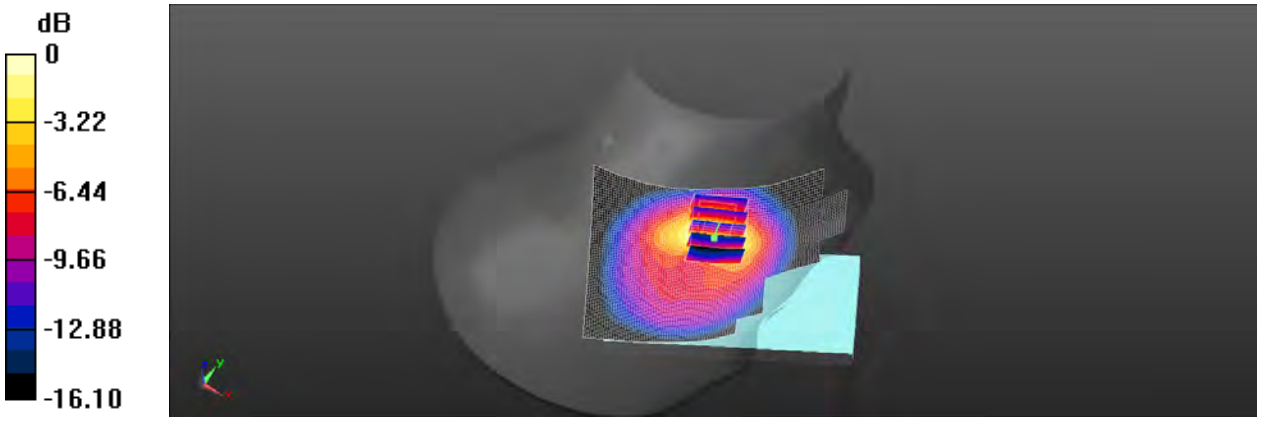
Communication System: LTE; Frequency: 688 MHz; Duty cycle= 1:1
Medium parameters used: f = 688 MHz; σ = 0.889 S/m; ε_r = 43.769; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 688 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): 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 = 8.752 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.360 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 44.6%
Maximum value of SAR (measured) = 1.08 W/kg



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

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Date:2021/3/18

Report No. :EN/2021/20002

NR n12 (15MHz)_Head_Re Cheek_CH 141300_Pi/2 BPSK_1-1_Ant3

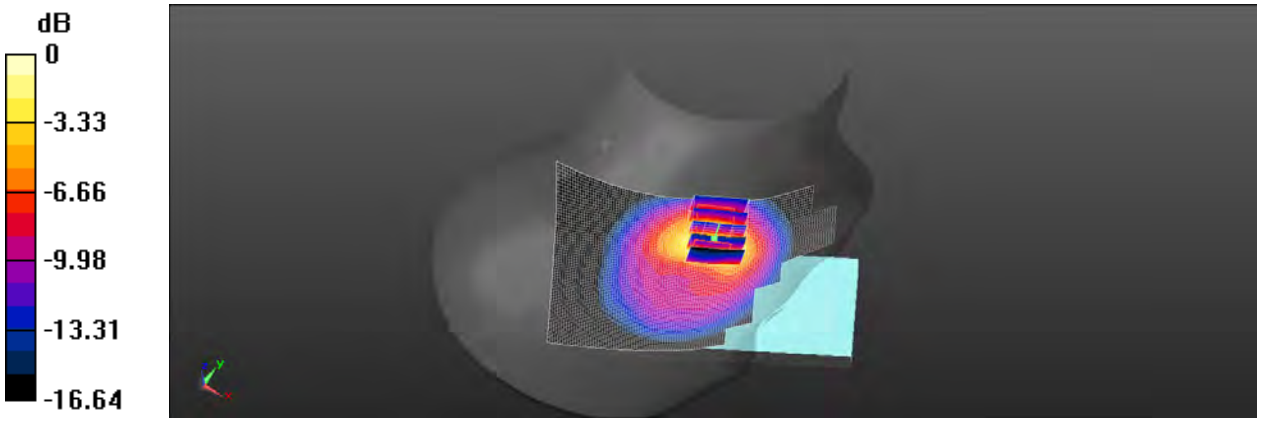
Communication System: 5G NR (15 MHz,Pi/2 BPSK, 15 kHz); Frequency: 706.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 706.5 MHz; σ = 0.893 S/m; ε_r = 43.568; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 706.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.724 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.328 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.309 W/kg
Smallest distance from peaks to all points 3 dB below = 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 44.5%
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

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Date:2021/3/22

Report No. :EN/2021/20002

NR n77 (100MHz)_Head_Re Cheek_CH 650000_Pi/2 BPSK_1-1_Ant4

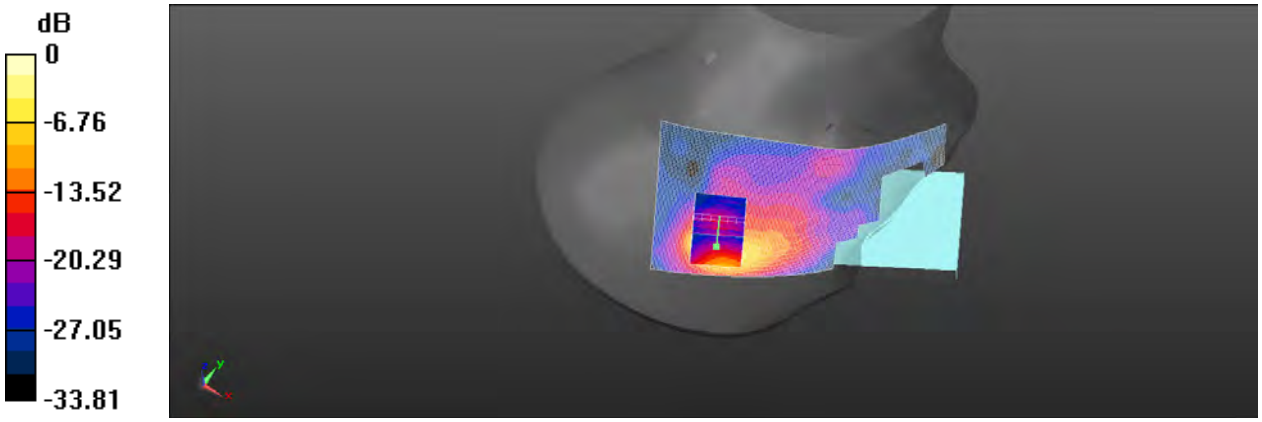
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3750 MHz; Duty cycle= 1:1
Medium parameters used: f = 3750 MHz; σ = 3.173 S/m; ε_r = 36.531; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.6, 6.6, 6.6) @ 3750 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.668 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 5.216 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.410 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 44.5%
Maximum value of SAR (measured) = 0.679 W/kg



0 dB = 0.679 W/kg = -1.68 dBW/kg

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Date:2021/3/22

Report No. :EN/2021/20002

NR n77 (100MHz)_Head_Re Cheek_CH 657200_Pi/2 BPSK_1-1_Ant5

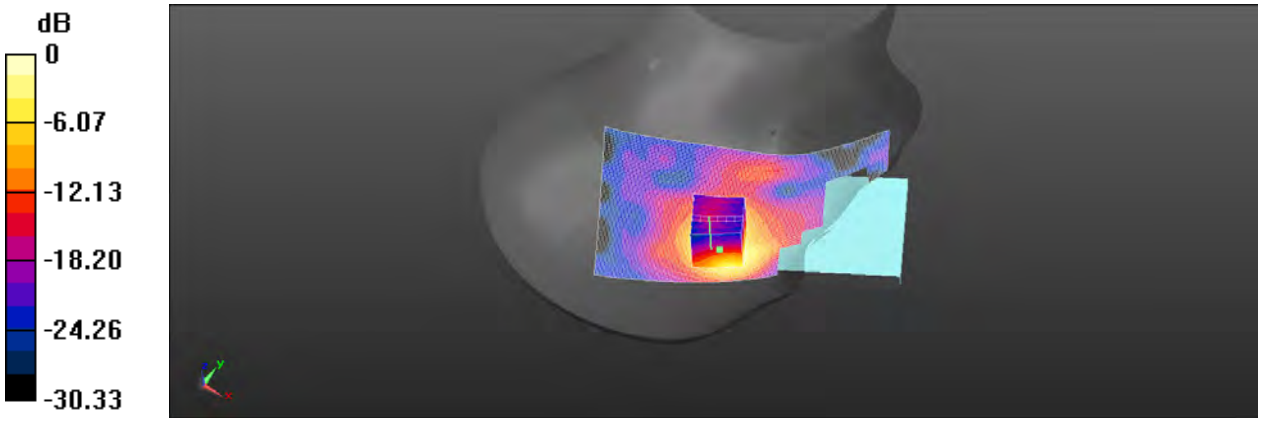
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3858 MHz; Duty cycle= 1:1
Medium parameters used: f = 3858 MHz; σ = 3.339 S/m; ε_r = 36.429; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.39, 6.39, 6.39) @ 3858 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.674 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 4.661 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.391 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 0.882 W/kg



0 dB = 0.882 W/kg = -0.55 dBW/kg

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Date: 2021/3/25

Report No. :EN/2021/20002

GSM 850_Body_Back side_CH 190_15mm_Ant1

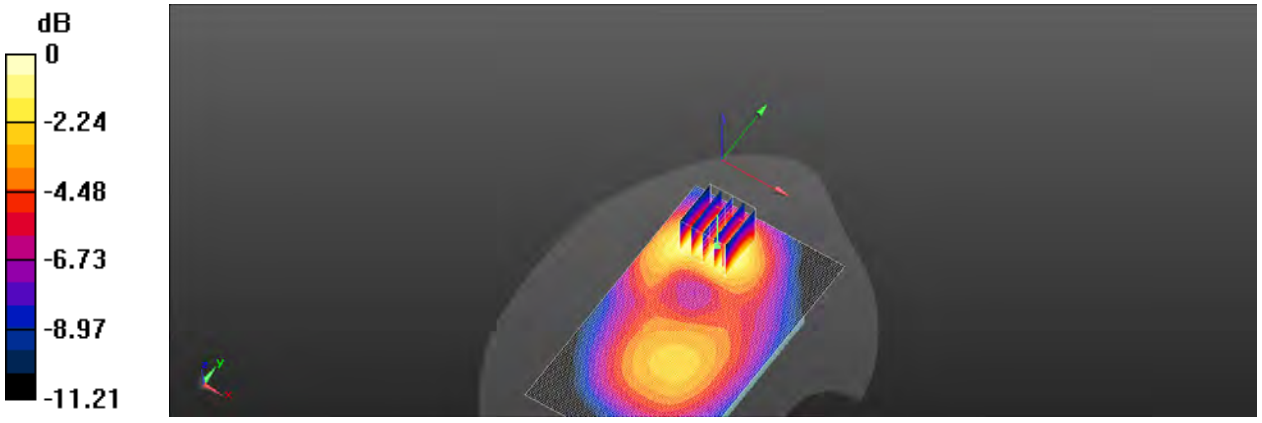
Communication System: GSM; Frequency: 836.6 MHz; Duty cycle= 1:4.1
Medium parameters used: f = 837 MHz; σ = 0.865 S/m; ε_r = 42.773; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.123 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.398 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.139 W/kg
SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.062 W/kg
Smallest distance from peaks to all points 3 dB below = 17.9 mm
Ratio of SAR at M2 to SAR at M1 = 68.5%
Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.120 W/kg = -9.21 dBW/kg

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Date: 2021/3/25

Report No. :EN/2021/20002

GSM 850_Body-worn_Front side_CH 190_15mm_Ant3

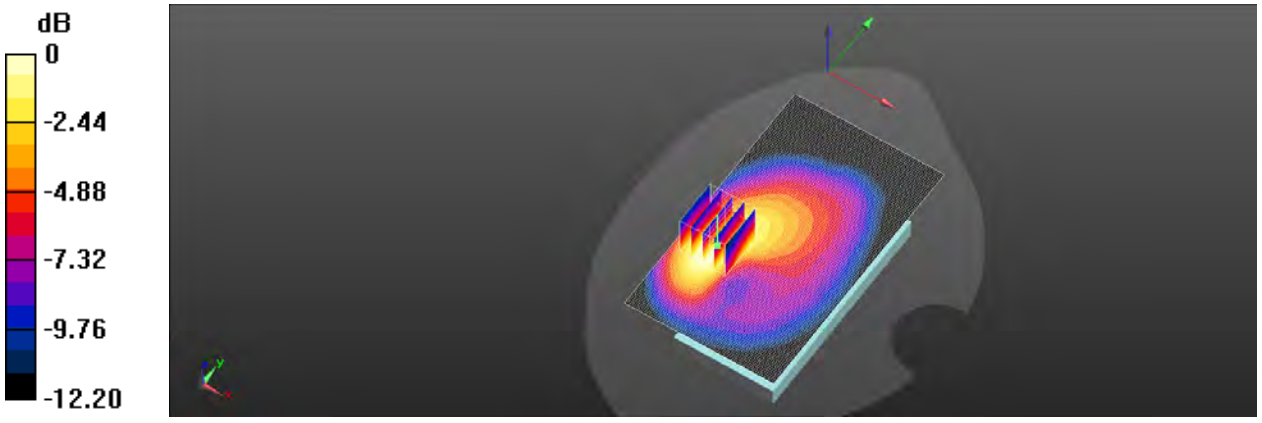
Communication System: GSM; Frequency: 836.6 MHz; Duty cycle= 1:4.1
Medium parameters used: f = 837 MHz; σ = 0.865 S/m; ε_r = 42.773; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.220 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.552 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.109 W/kg
Smallest distance from peaks to all points 3 dB below = 13.2 mm
Ratio of SAR at M2 to SAR at M1 = 67.4%
Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.215 W/kg = -6.68 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

GSM 1900_Body-wron_Front side_CH 661_15mm_Ant2

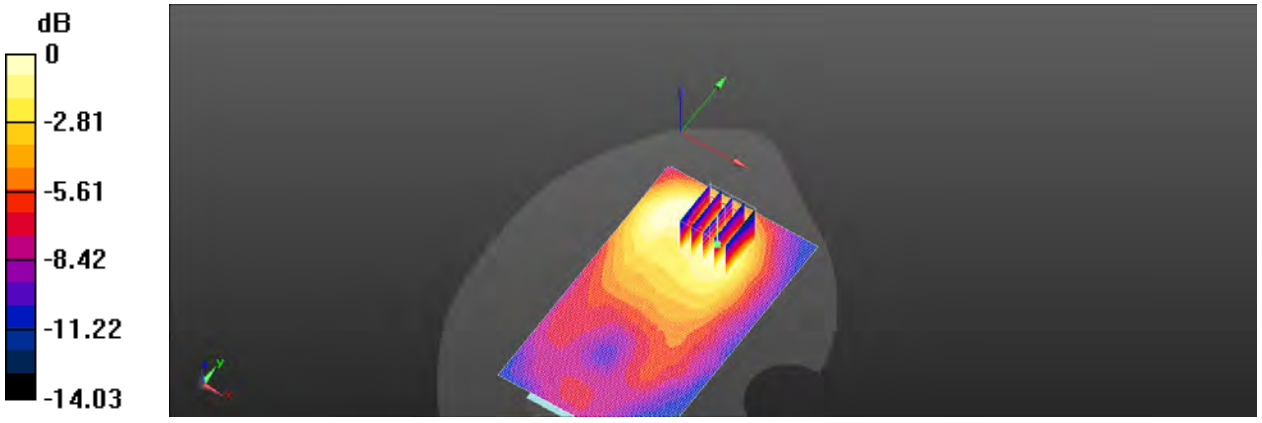
Communication System: GSM; Frequency: 1880 MHz; Duty cycle= 1:4.1
Medium parameters used: f = 1880 MHz; σ = 1.433 S/m; ε_r = 41.178; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1880 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0853 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.753 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.101 W/kg
SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.040 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 = 61.4%
Maximum value of SAR (measured) = 0.0817 W/kg



0 dB = 0.0817 W/kg = -10.88 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

GPRS 850_ Hotspot _Front side_CH 190_10mm_Ant1

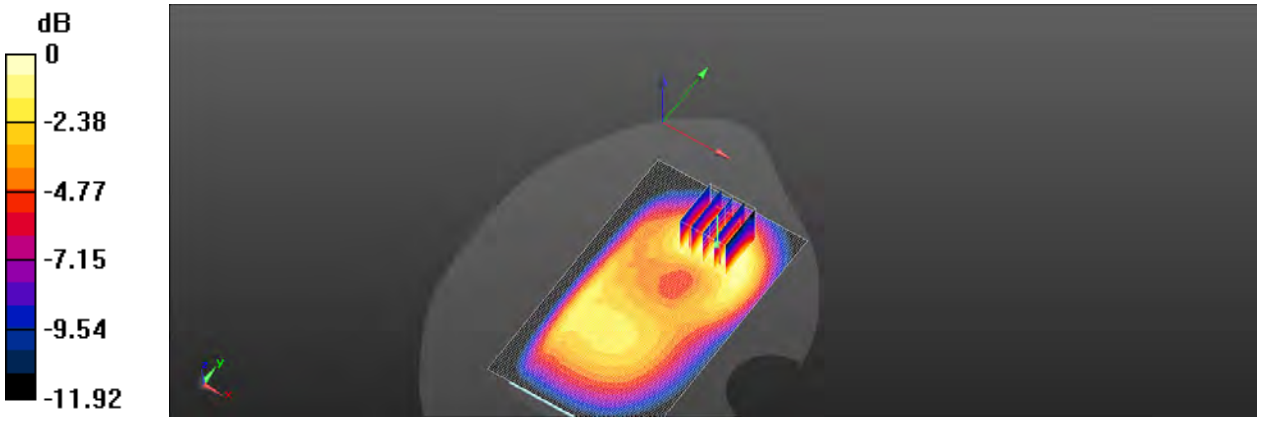
Communication System: GPRS (1Dn2Up); Frequency: 836.6 MHz; Duty cycle= 1:4.1
Medium parameters used: f = 837 MHz; σ = 0.926 S/m; ε_r = 42.776; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.416 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.83 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.490 W/kg
SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.207 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 66.4%
Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

GPRS 850_ Hotspot _Front side_CH 251_10mm_Ant3

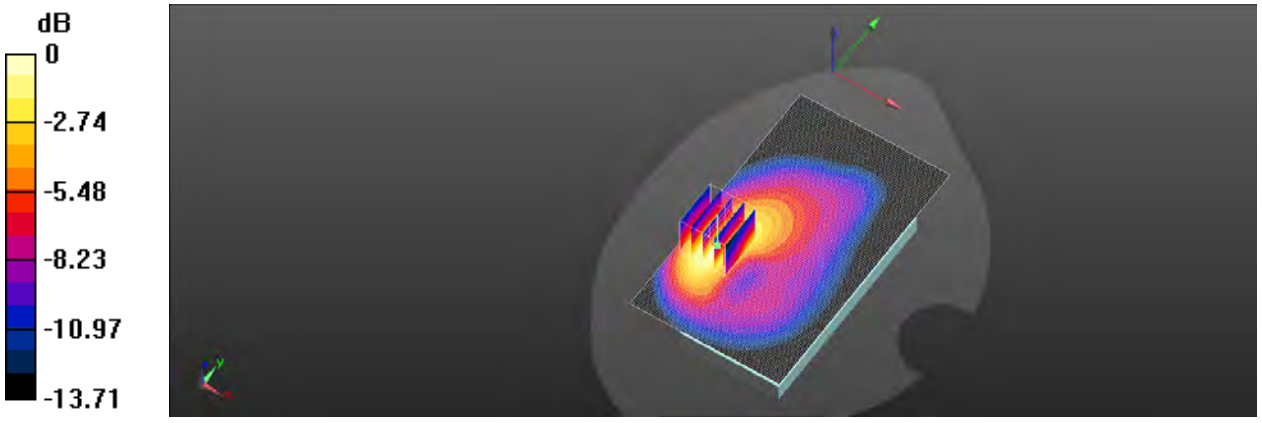
Communication System: GPRS (1Dn2Up); Frequency: 848.8 MHz; Duty cycle= 1:4.1
Medium parameters used: f = 849 MHz; σ = 0.939 S/m; ε_r = 42.739; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 848.8 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.407 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.125 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.193 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 62.2%
Maximum value of SAR (measured) = 0.432 W/kg



0 dB = 0.432 W/kg = -3.65 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

GPRS 1900_ Hotspot _Bottom side_CH 661_10mm_Ant2

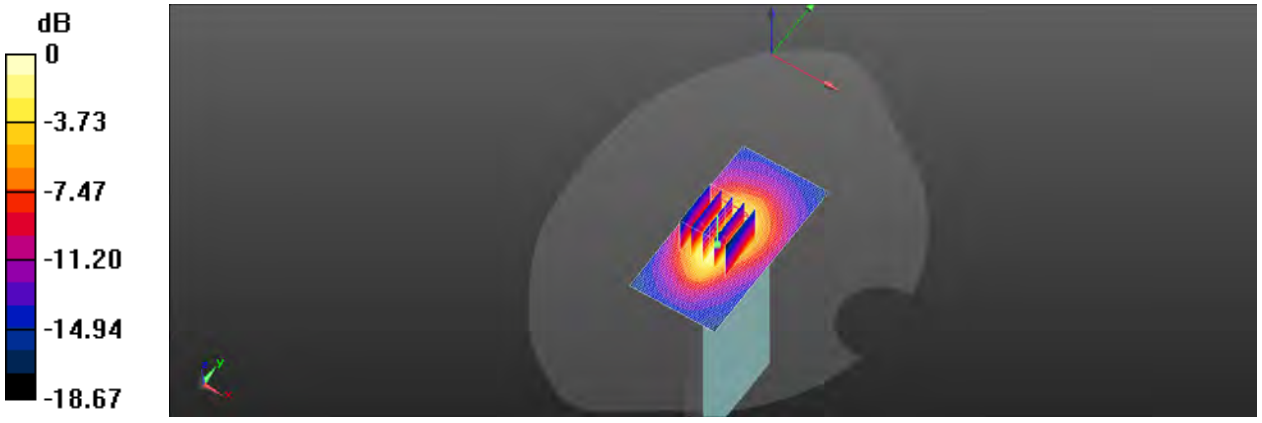
Communication System: GPRS (1Dn2Up); Frequency: 1880 MHz; Duty cycle= 1:4.1
Medium parameters used: f = 1880 MHz; σ = 1.433 S/m; ε_r = 41.178; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1880 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.681 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.235 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.902 W/kg
SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.244 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 56%
Maximum value of SAR (measured) = 0.706 W/kg



0 dB = 0.706 W/kg = -1.51 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

WCDMA Band II_ Hotspot _Bottom side_CH 9538_10mm_Ant2

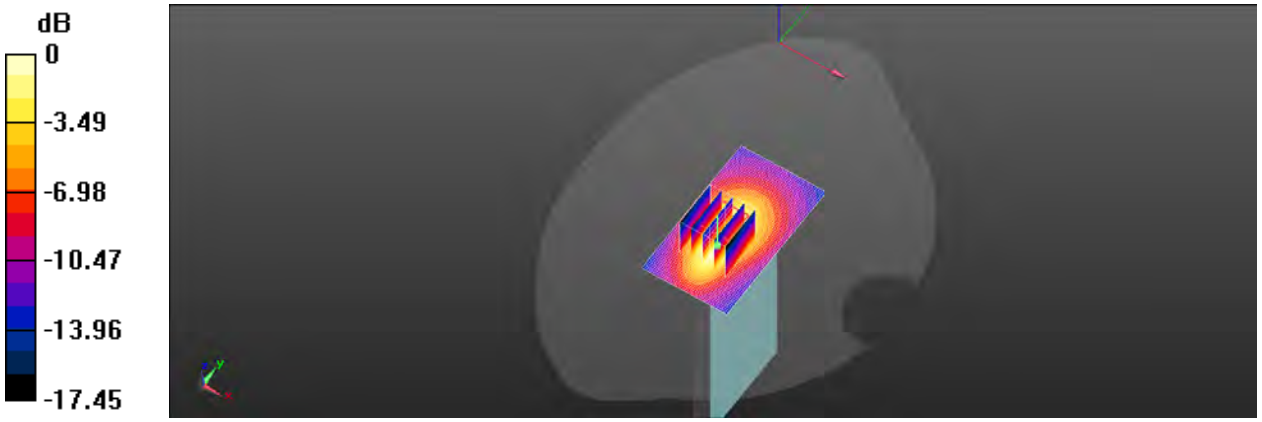
Communication System: WCDMA; Frequency: 1907.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 1908 MHz; σ = 1.458 S/m; ε_r = 41.014; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.594 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.46 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.741 W/kg
SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.228 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 56.1%
Maximum value of SAR (measured) = 0.577 W/kg



0 dB = 0.577 W/kg = -2.39 dBW/kg

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Date: 2021/3/26

Report No. :EN/2021/20002

WCDMA Band IV_ Hotspot _Bottom side_CH 1412_10mm_Ant2

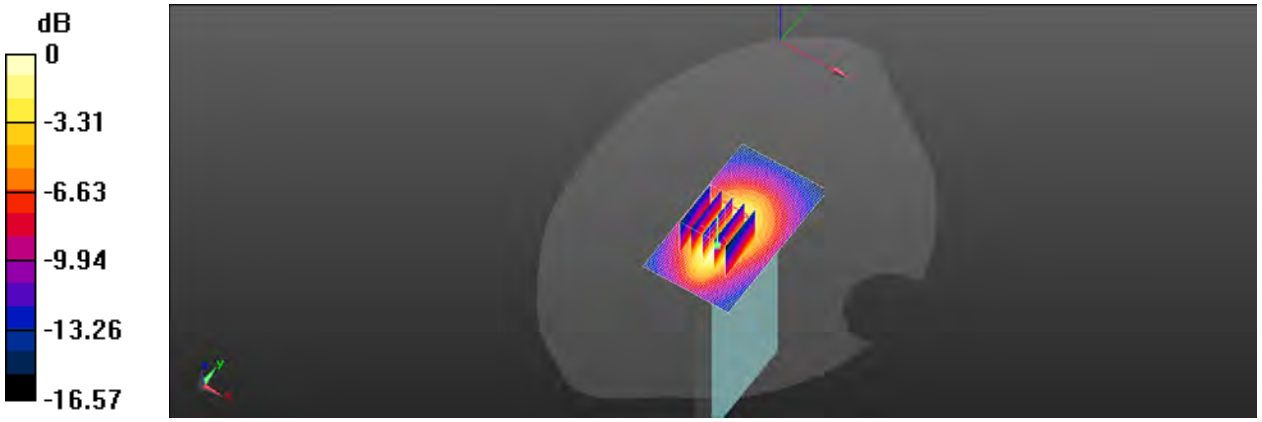
Communication System: WCDMA; Frequency: 1732.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.305 S/m; ε_r = 41.691; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1732.4 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.491 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.18 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.588 W/kg
SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.196 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 59.1%
Maximum value of SAR (measured) = 0.470 W/kg



0 dB = 0.470 W/kg = -3.28 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

WCDMA Band V_ Hotspot _Bottom side_CH 4132_10mm_Ant1

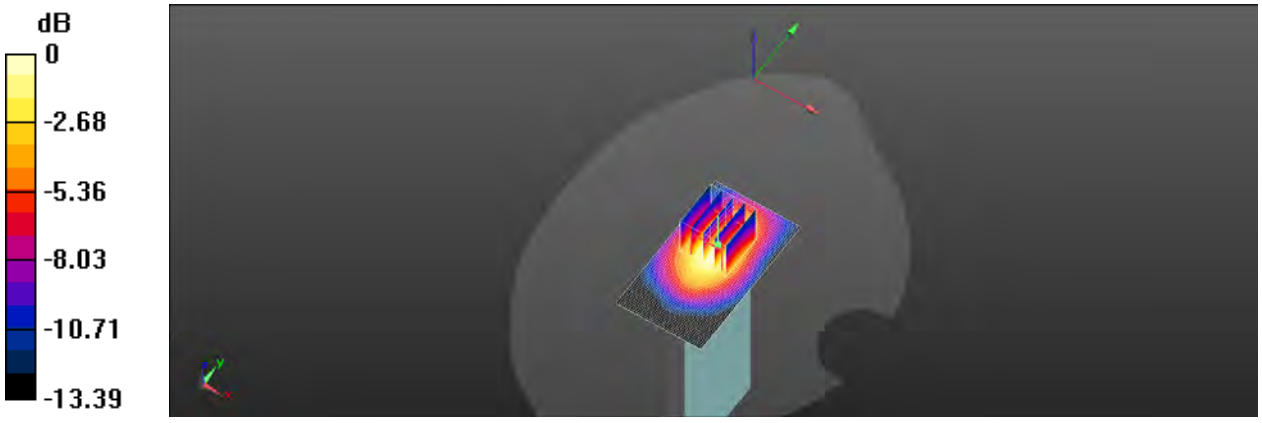
Communication System: WCDMA; Frequency: 826.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.917 S/m; ε_r = 42.811; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 826.4 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.198 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.85 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.088 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.2%
Maximum value of SAR (measured) = 0.190 W/kg



0 dB = 0.190 W/kg = -7.21 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

WCDMA Band V_ Hotspot _Right side_CH 4233_10mm_Ant3

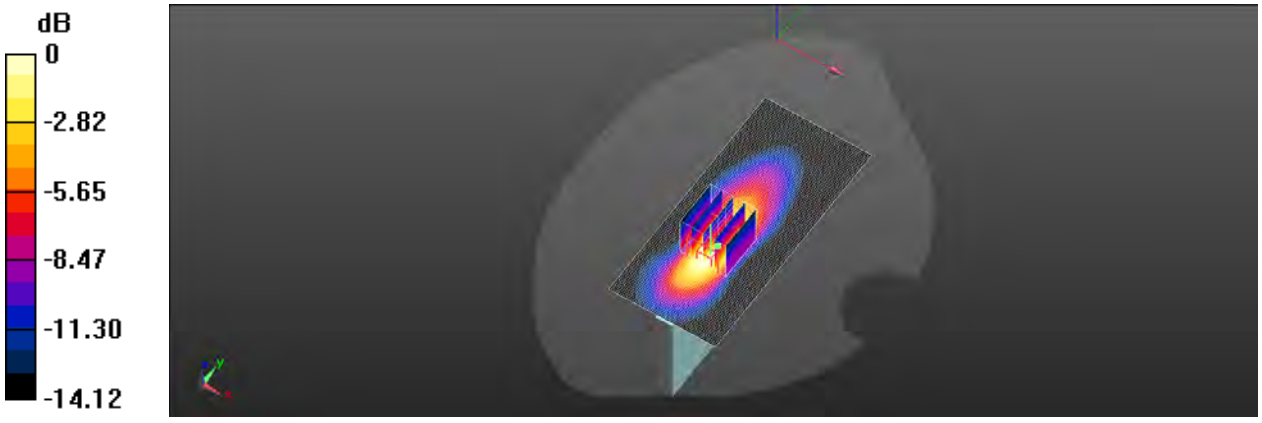
Communication System: WCDMA; Frequency: 846.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 847 MHz; σ = 0.937 S/m; ε_r = 42.743; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 846.6 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.812 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.71 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.798 W/kg
SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.222 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 56.2%
Maximum value of SAR (measured) = 0.649 W/kg



0 dB = 0.649 W/kg = -1.88 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

LTE Band 2 (20MHz)_ Hotspot _Bottom side_CH 19100_QPSK_1-0_10mm_Ant2

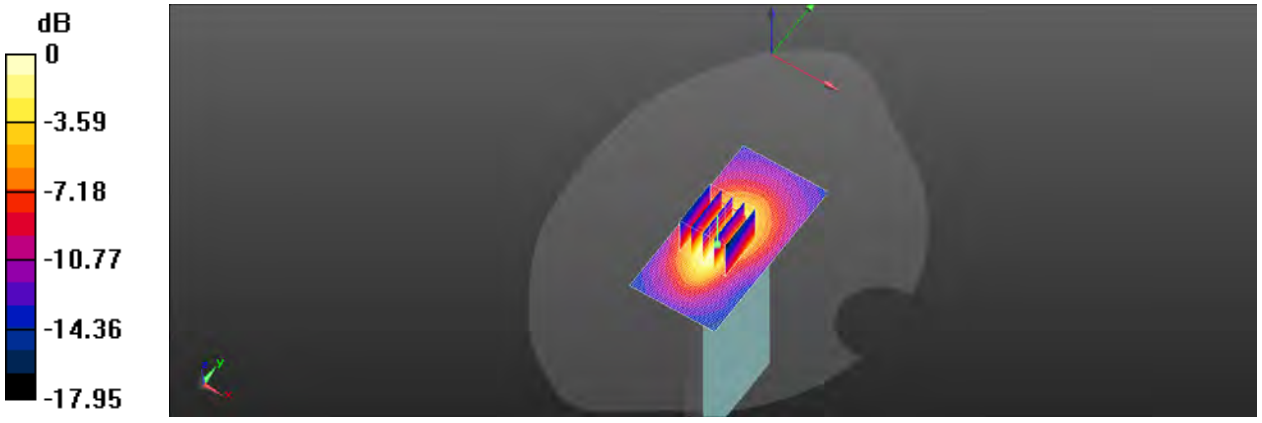
Communication System: LTE; Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.451 S/m; ε_r = 41.046; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.465 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.49 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.584 W/kg
SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.180 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 56.2%
Maximum value of SAR (measured) = 0.458 W/kg



0 dB = 0.458 W/kg = -3.39 dBW/kg

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Date: 2021/3/26

Report No. :EN/2021/20002

LTE Band 4 (20MHz)_ Hotspot _Bottom side_CH 20050_QPSK_1-0_10mm_Ant2

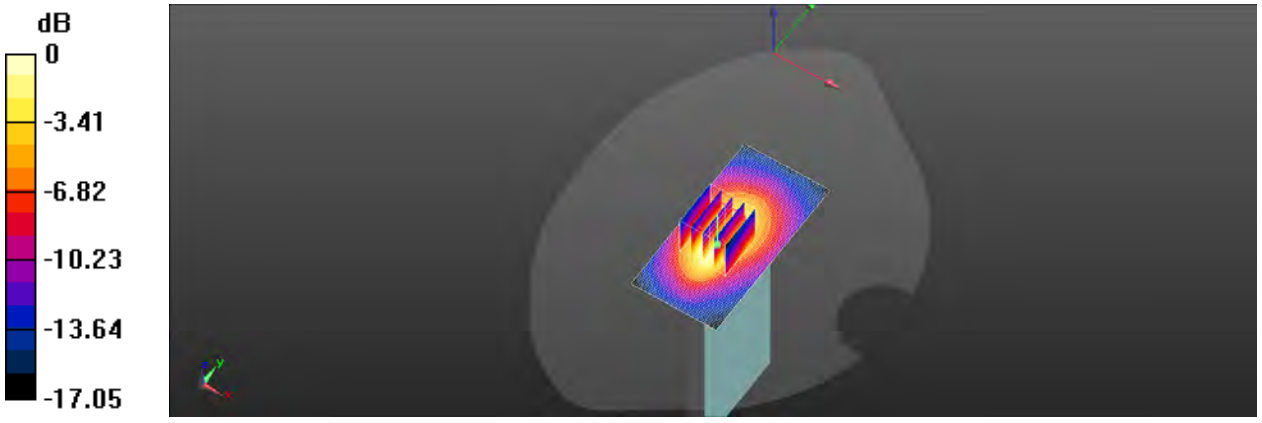
Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1
Medium parameters used: f = 1720 MHz; σ = 1.295 S/m; ε_r = 41.701; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.395 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.26 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.479 W/kg
SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.159 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 59.3%
Maximum value of SAR (measured) = 0.387 W/kg



0 dB = 0.387 W/kg = -4.12 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

LTE Band 5 (10MHz)_ Hotspot _Bottom side_CH 20525_QPSK_1-0_10mm_Ant1

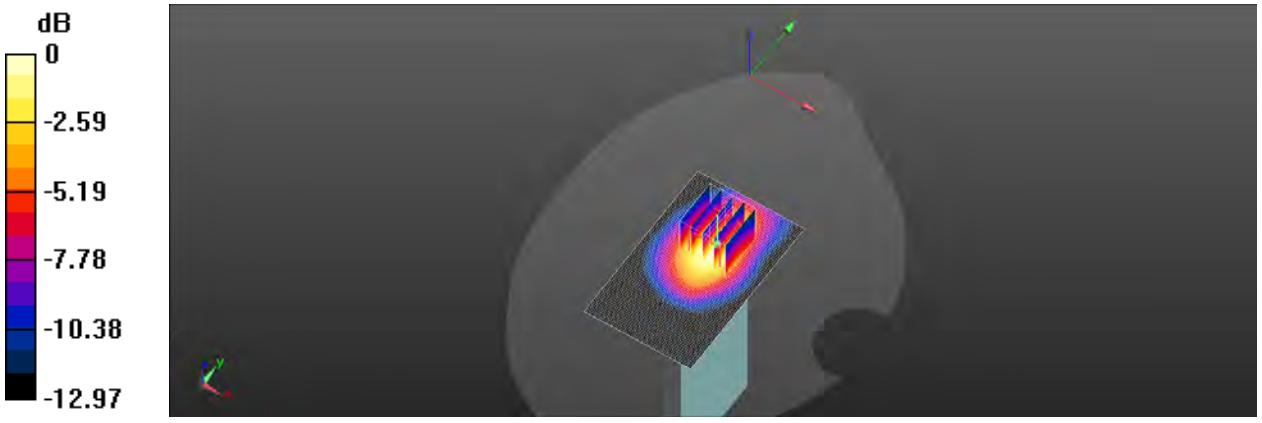
Communication System: LTE; Frequency: 836.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.925 S/m; ε_r = 42.779; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 836.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.166 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.61 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.189 W/kg
SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.072 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.6%
Maximum value of SAR (measured) = 0.157 W/kg



0 dB = 0.157 W/kg = -8.04 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

LTE Band 5 (10MHz)_ Hotspot _Right side_CH 20525_QPSK_1-0_10mm_Ant3

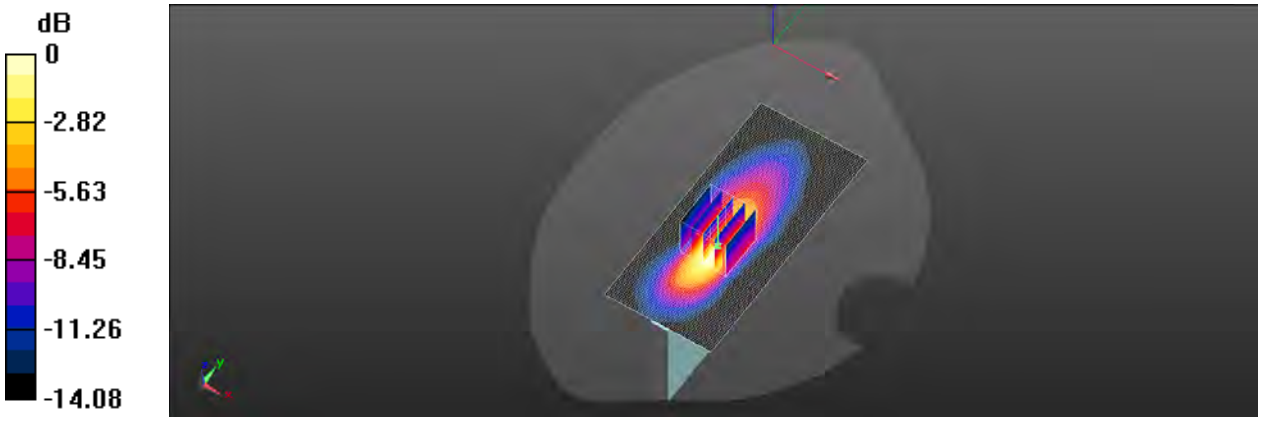
Communication System: LTE; Frequency: 836.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.925 S/m; ε_r = 42.779; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 836.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.391 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.28 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.458 W/kg
SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.142 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 57.8%
Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg = -4.38 dBW/kg

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Date: 2021/3/28

Report No. :EN/2021/20002

LTE Band 7 (20MHz)_ Hotspot _Bottom side_CH 21100_QPSK_1-0_10mm_Ant1

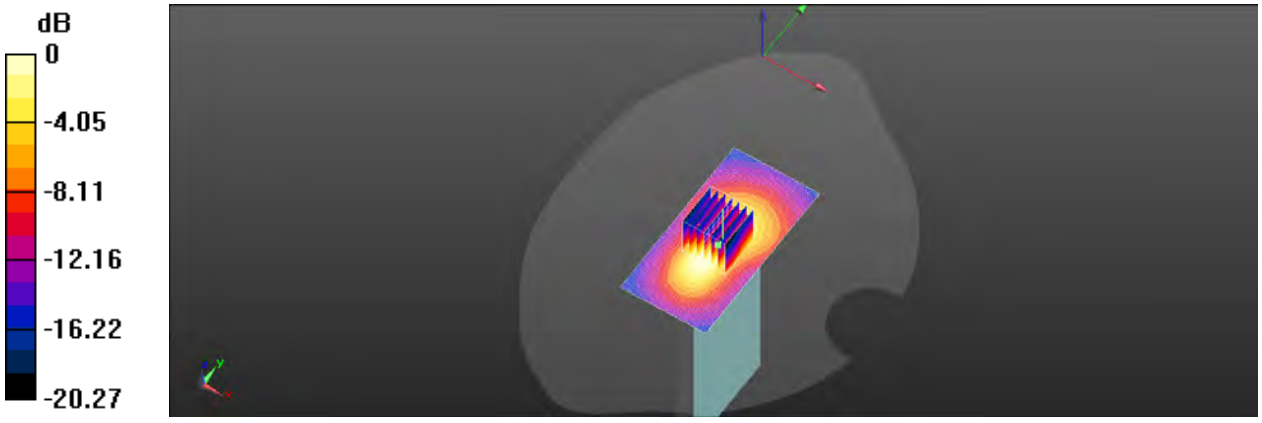
Communication System: LTE; Frequency: 2535 MHz; Duty cycle= 1:1
Medium parameters used: f = 2535 MHz; σ = 1.892 S/m; ε_r = 37.484; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2535 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 0.769 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.86 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.272 W/kg
Smallest distance from peaks to all points 3 dB below = 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 0.776 W/kg



0 dB = 0.776 W/kg = -1.10 dBW/kg

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Date: 2021/3/28

Report No. :EN/2021/20002

LTE Band 7 (20MHz)_ Hotspot _Bottom side_CH 21350_QPSK_1-0_10mm_Ant2

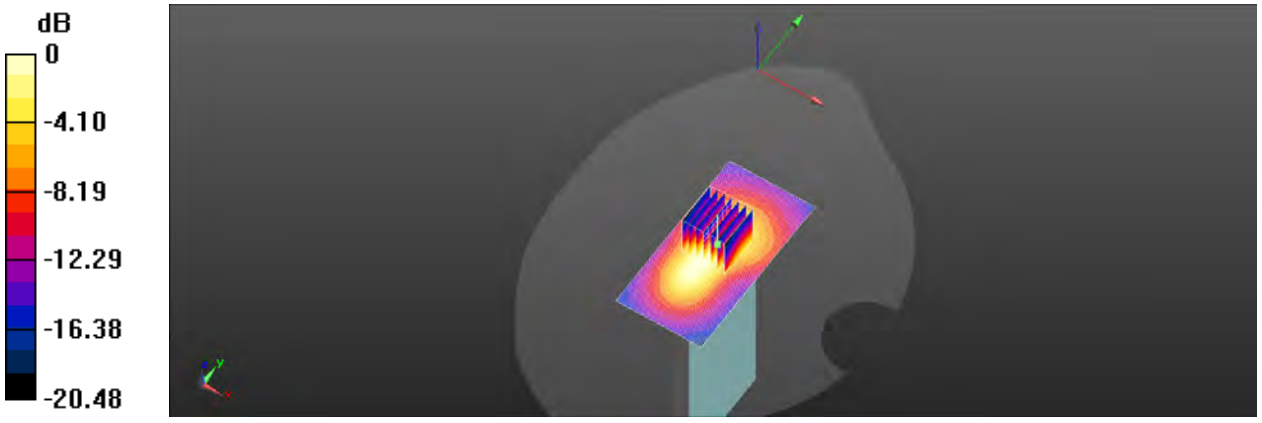
Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.912 S/m; ε_r = 37.446; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.8°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.56 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.749 W/kg; SAR(10 g) = 0.381 W/kg
Smallest distance from peaks to all points 3 dB below = 10.4 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

LTE Band 12 (10MHz)_ Hotspot _Bottom side_CH 23130_QPSK_1-0_10mm_Ant1

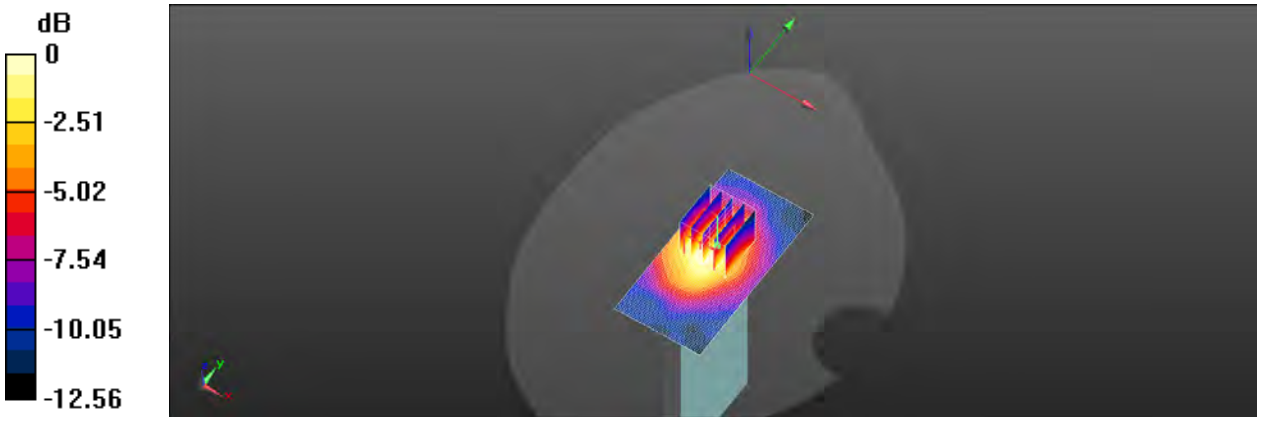
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.891 S/m; ε_r = 43.645; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0926 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.982 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.102 W/kg
SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.043 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 = 64.6%
Maximum value of SAR (measured) = 0.0845 W/kg



0 dB = 0.0845 W/kg = -10.73 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

LTE Band 12 (10MHz)_ Hotspot _Right side_CH 23130_QPSK_1-0_10mm_Ant3

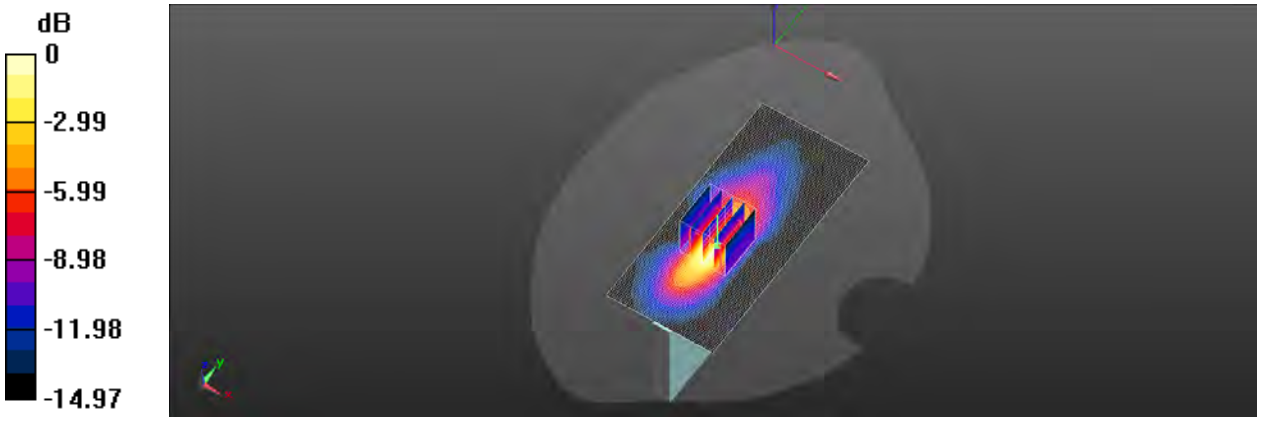
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.891 S/m; ε_r = 43.645; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.221 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.75 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.284 W/kg
SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.073 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 53%
Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg = -6.70 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

LTE Band 17 (10MHz)_ Hotspot _Bottom side_CH 23800_QPSK_1-0_10mm_Ant1

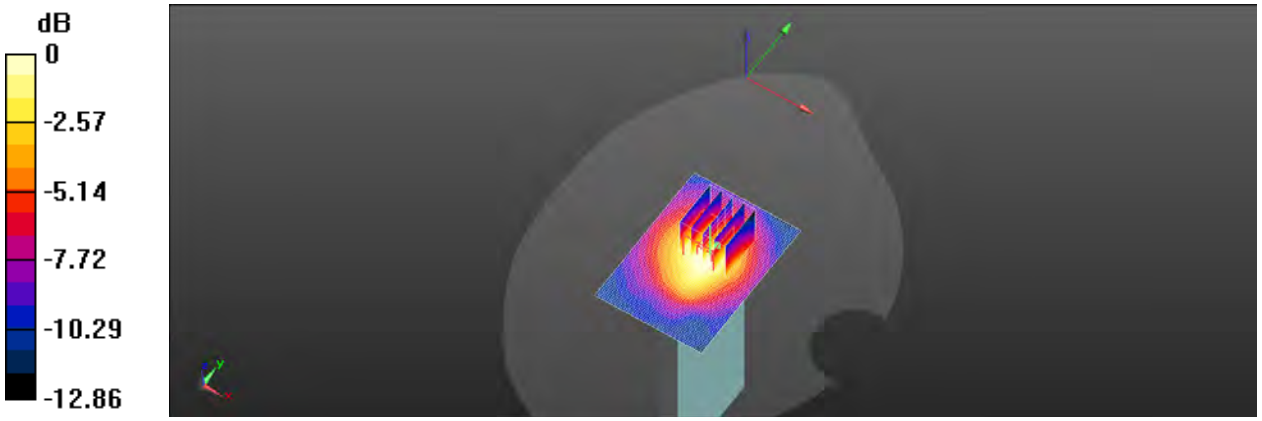
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.891 S/m; ε_r = 43.645; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0878 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.882 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.0980 W/kg
SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.041 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 = 67.8%
Maximum value of SAR (measured) = 0.0801 W/kg



0 dB = 0.0801 W/kg = -10.96 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

LTE Band 17 (10MHz)_ Hotspot _Right side_CH 23800_QPSK_1-0_10mm_Ant3

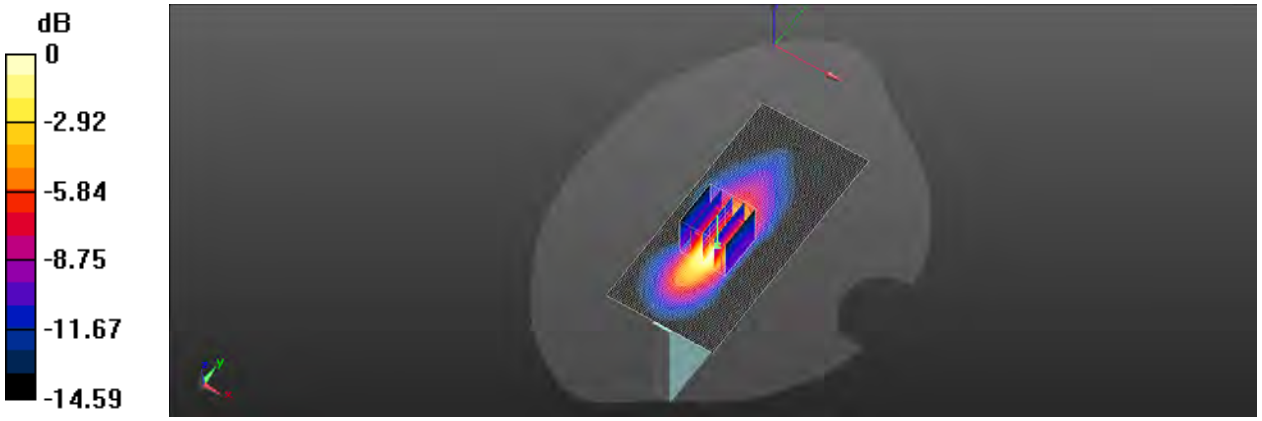
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.891 S/m; ε_r = 43.645; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 711 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.220 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.69 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.070 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 0.204 W/kg



0 dB = 0.204 W/kg = -6.90 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

LTE Band 25 (20MHz)_ Hotspot _Bottom side_CH 26140_QPSK_1-0_10mm_Ant2

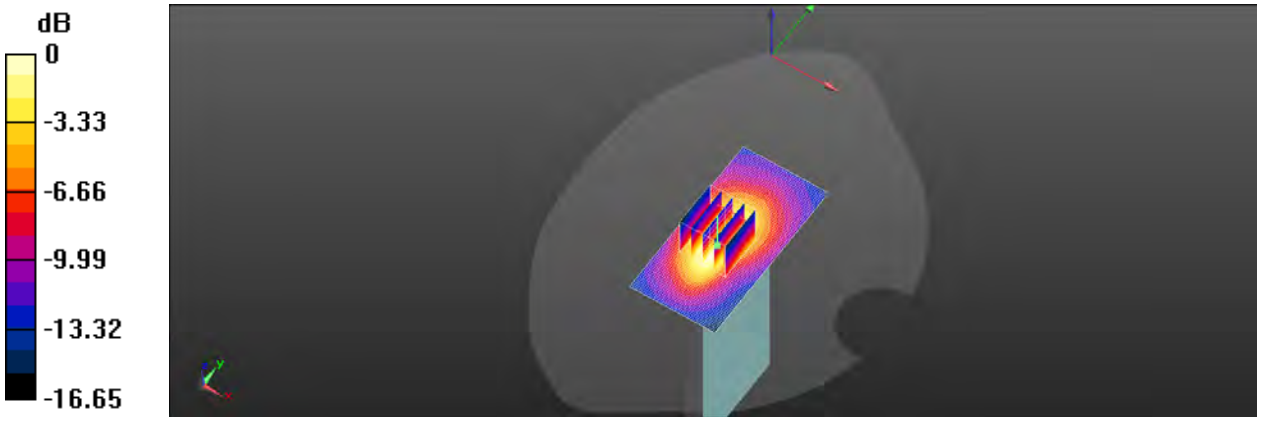
Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1
Medium parameters used: f = 1860 MHz; σ = 1.416 S/m; ε_r = 41.299; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.442 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.49 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.515 W/kg
SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.163 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 57.9%
Maximum value of SAR (measured) = 0.407 W/kg



0 dB = 0.407 W/kg = -3.90 dBW/kg

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Date: 2021/3/25

Report No. :EN/2021/20002

LTE Band 26 (15MHz)_ Hotspot _Bottom side_CH 26965_QPSK_1-0_10mm_Ant1

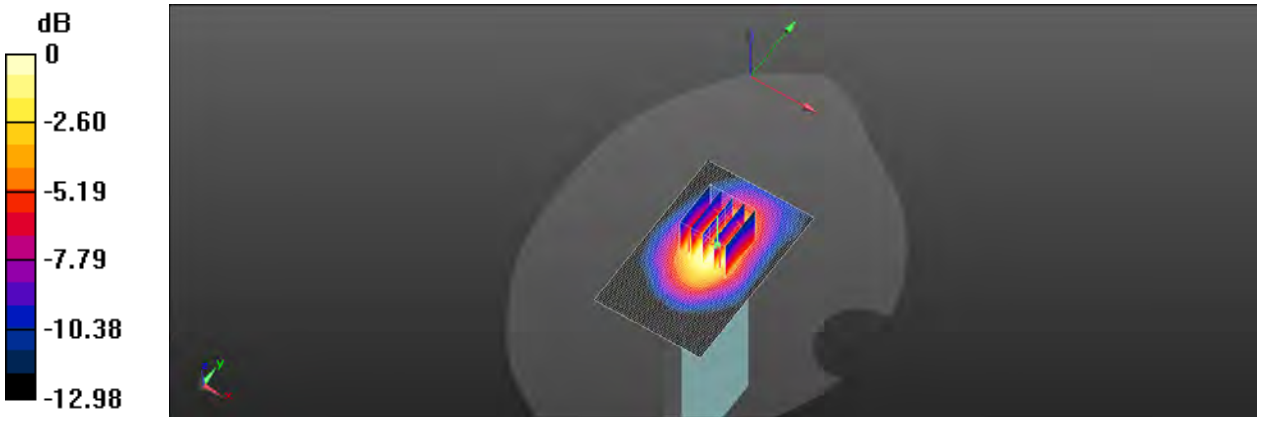
Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.871 S/m; ε_r = 42.738; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 841.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.128 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.27 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.056 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.6%
Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg = -9.17 dBW/kg

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Date: 2021/3/25

Report No. :EN/2021/20002

LTE Band 26 (15MHz)_ Hotspot _Right side_CH 26965_QPSK_1-0_10mm_Ant3

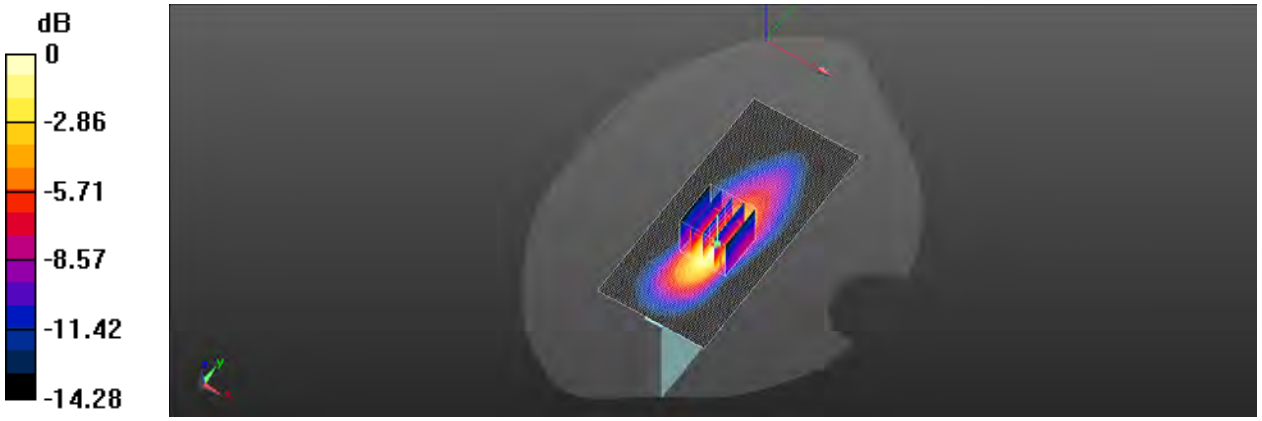
Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.871 S/m; ε_r = 42.738; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 841.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.499 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.11 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.689 W/kg
SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.195 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 55%
Maximum value of SAR (measured) = 0.537 W/kg



0 dB = 0.537 W/kg = -2.70 dBW/kg

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Date: 2021/3/26

Report No. :EN/2021/20002

LTE Band 30 (10MHz)_ Hotspot _Bottom side_CH 27710_QPSK_1-0_10mm_Ant2

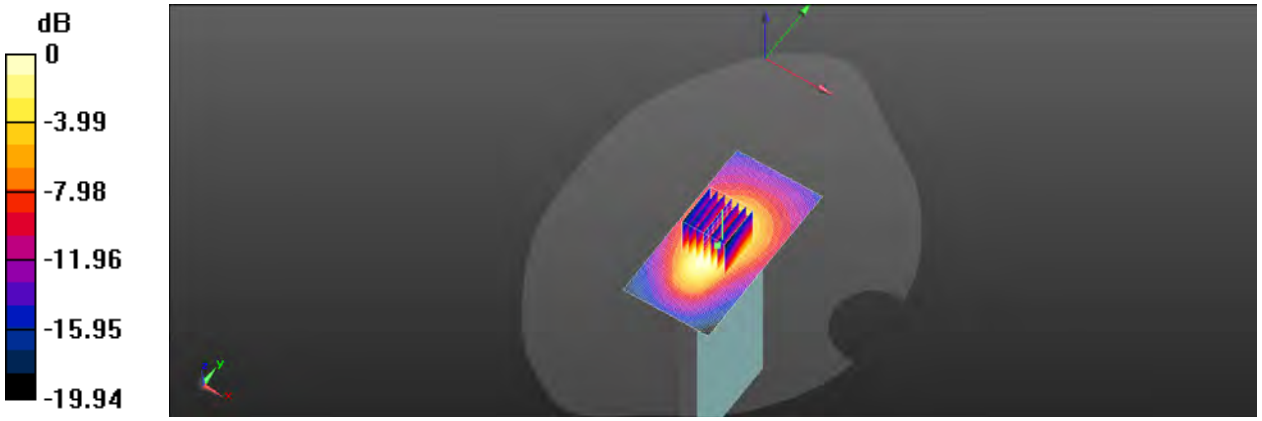
Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1
Medium parameters used: f = 2310 MHz; σ = 1.692 S/m; ε_r = 39.545; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 0.883 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.04 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.327 W/kg
Smallest distance from peaks to all points 3 dB below = 11.7 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 0.884 W/kg



0 dB = 0.884 W/kg = -0.54 dBW/kg

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Date: 2021/3/28

Report No. :EN/2021/20002

LTE Band 38 (20MHz)_ Hotspot _Bottom side_CH 38150_QPSK_1-0_10mm_Ant2

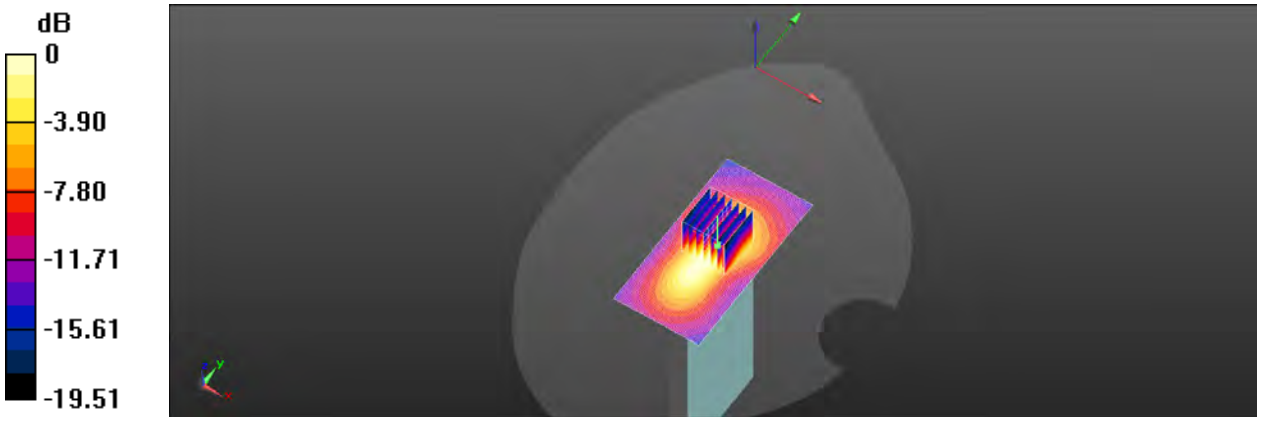
Communication System: LTE; Frequency: 2610 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2610 MHz; σ = 1.952 S/m; ε_r = 37.342; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.8°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 0.534 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.05 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.678 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.179 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.520 W/kg = -2.84 dBW/kg

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Date: 2021/3/28

Report No. :EN/2021/20002

LTE Band 41 (20MHz)_ Hotspot _Bottom side_CH 41490_QPSK_1-0_10mm_Ant2

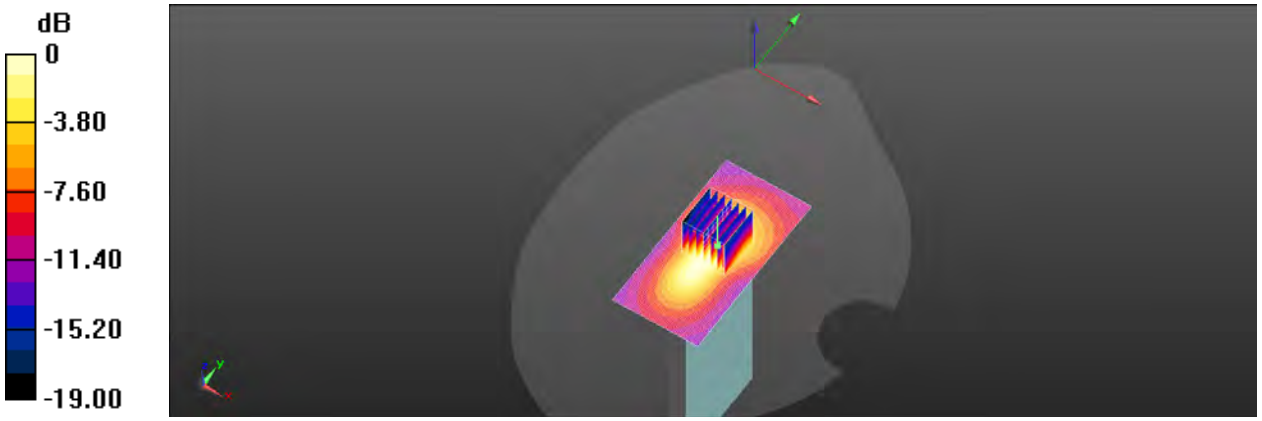
Communication System: LTE; Frequency: 2680 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2680 MHz; σ = 2.011 S/m; ε_r = 37.334; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2680 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 0.621 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.94 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.209 W/kg
Smallest distance from peaks to all points 3 dB below = 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 51.7%
Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg = -2.16 dBW/kg

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Date: 2021/3/26

Report No. :EN/2021/20002

LTE Band 66 (20MHz)_ Hotspot _Bottom side_CH 132072_QPSK_1-0_10mm_Ant2

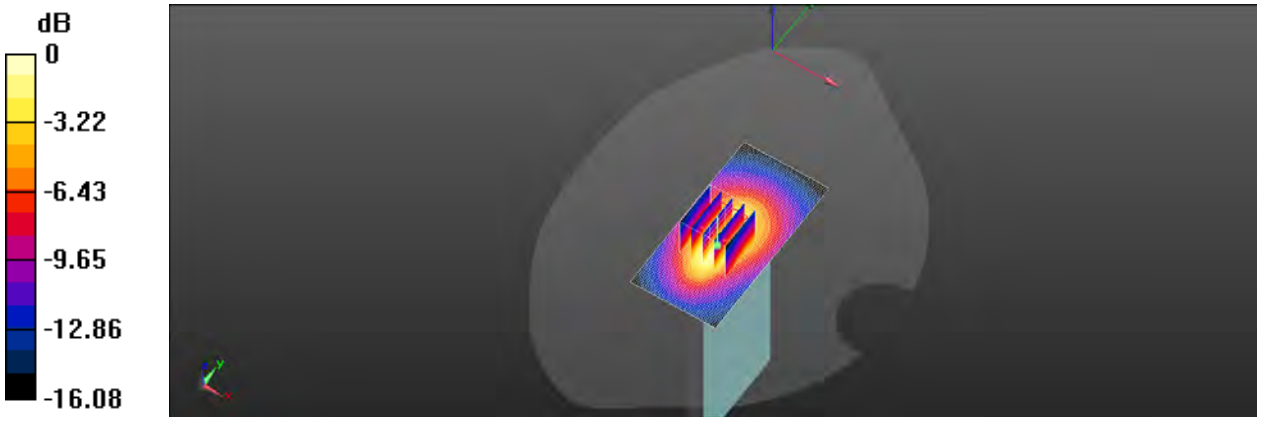
Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1
Medium parameters used: f = 1720 MHz; σ = 1.295 S/m; ε_r = 41.701; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.390 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.95 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.478 W/kg
SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.162 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.6%
Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg = -4.10 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

LTE Band 71 (20MHz)_ Hotspot _Bottom side_CH 133372_QPSK_1-0_10mm_Ant1

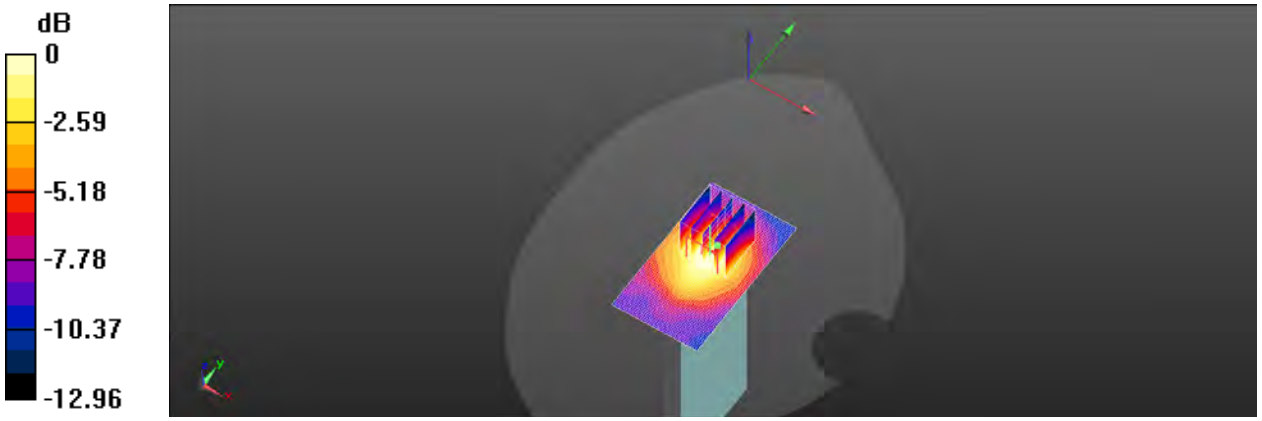
Communication System: LTE; Frequency: 688 MHz; Duty cycle= 1:1
Medium parameters used: f = 688 MHz; σ = 0.86 S/m; ε_r = 43.931; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 688 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0575 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.171 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0680 W/kg
SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.026 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 = 65.7%
Maximum value of SAR (measured) = 0.0522 W/kg



0 dB = 0.0522 W/kg = -12.82 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

LTE Band 71 (20MHz)_ Hotspot _Right side_CH 133372_QPSK_1-0_10mm_Ant3

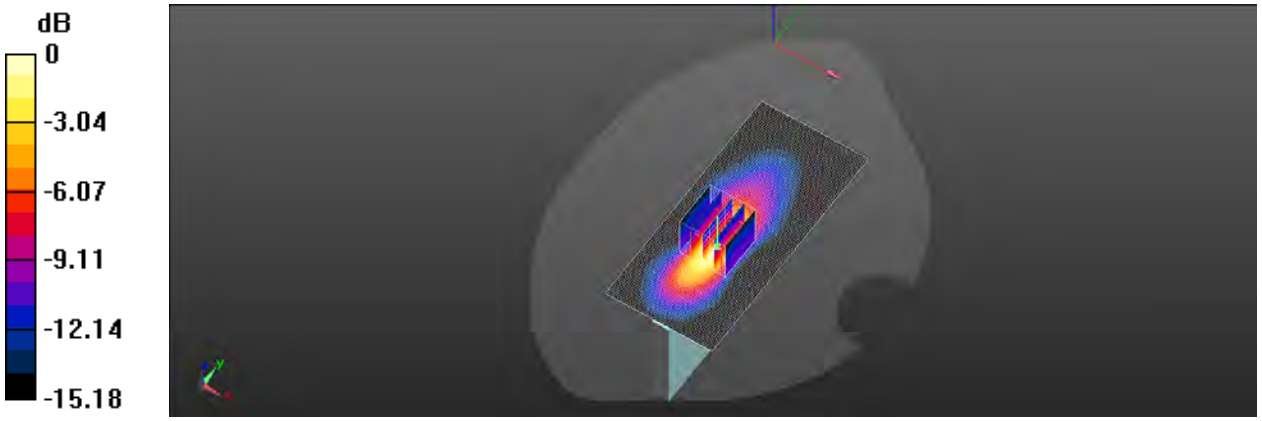
Communication System: LTE; Frequency: 688 MHz; Duty cycle= 1:1
Medium parameters used: f = 688 MHz; σ = 0.86 S/m; ε_r = 43.931; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 688 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.621 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.41 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.856 W/kg
SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.205 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 50.2%
Maximum value of SAR (measured) = 0.643 W/kg



0 dB = 0.643 W/kg = -1.92 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

NR n2 (20MHz)_ Hotspot _Bottom side_CH 380000_Pi/2 BPSK_1-1_10mm_Ant2

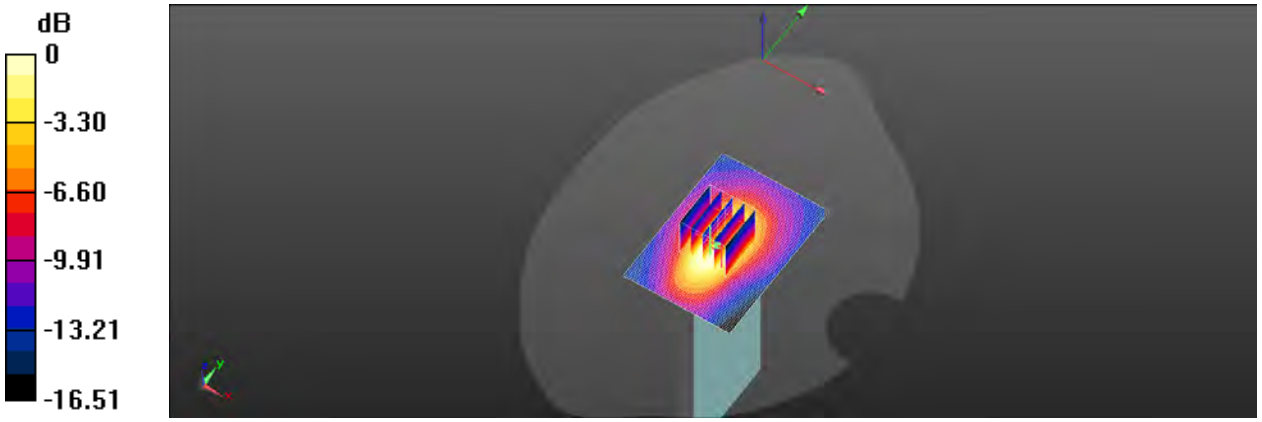
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.451 S/m; ε_r = 41.046; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.514 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.08 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.607 W/kg
SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.185 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 55.6%
Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

NR n5 (20MHz)_ Hotspot _Bottom side_CH 166800_Pi/2 BPSK_1-1_10mm_Ant1

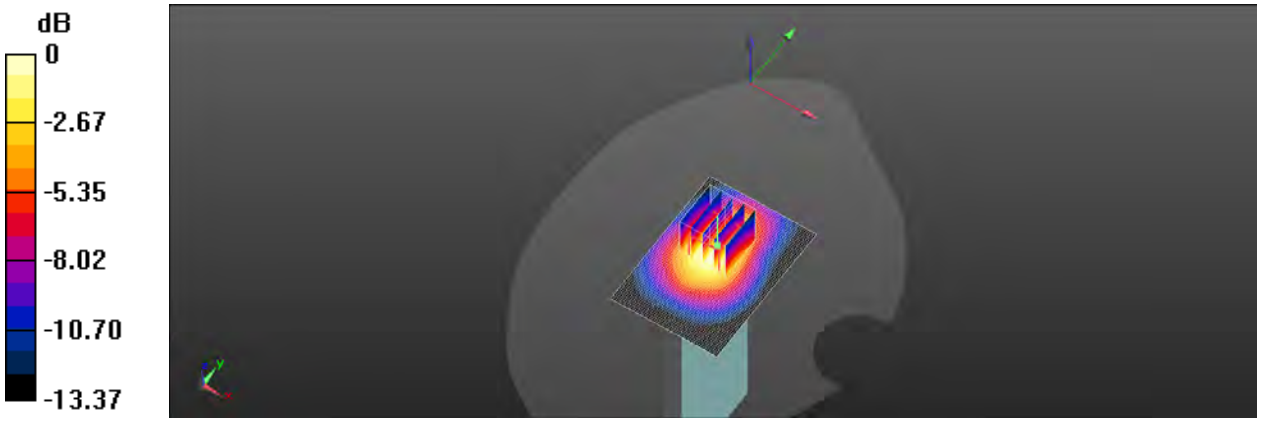
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 834 MHz; Duty cycle= 1:1
Medium parameters used: f = 834 MHz; σ = 0.923 S/m; ε_r = 42.806; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 834 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.158 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.71 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.188 W/kg
SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.068 W/kg
Smallest distance from peaks to all points 3 dB below = 13.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.5%
Maximum value of SAR (measured) = 0.154 W/kg



0 dB = 0.154 W/kg = -8.12 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

NR n5 (20MHz)_ Hotspot _Right side_CH 167800_Pi/2 BPSK_1-1_10mm_Ant3

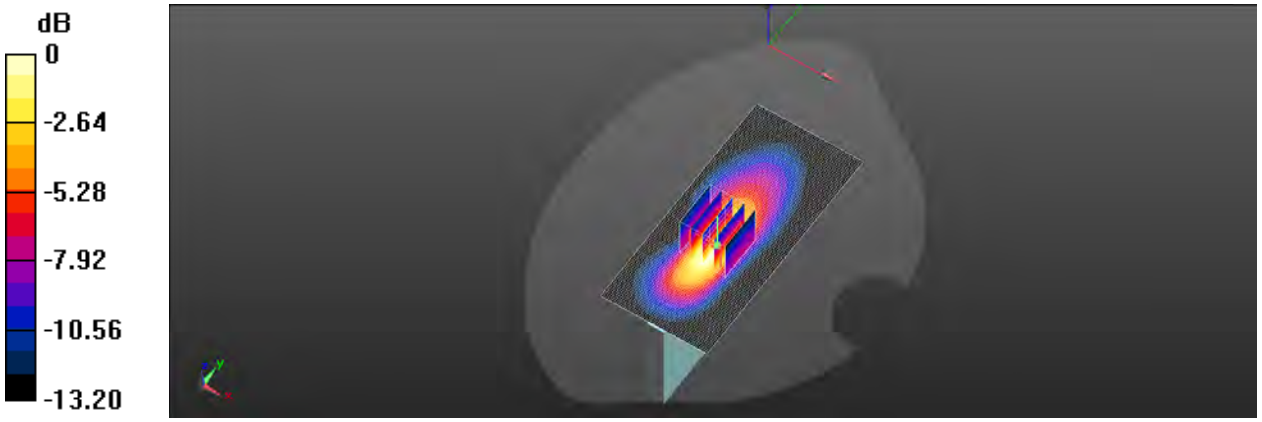
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 839 MHz; Duty cycle= 1:1
Medium parameters used: f = 839 MHz; σ = 0.929 S/m; ε_r = 42.771; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 839 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.419 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.44 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 60.6%
Maximum value of SAR (measured) = 0.397 W/kg



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

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Date: 2021/3/29

Report No. :EN/2021/20002

NR n7 (20MHz)_ Hotspot _Bottom side_CH 512000_Pi/2 BPSK_1-1_10mm_Ant2

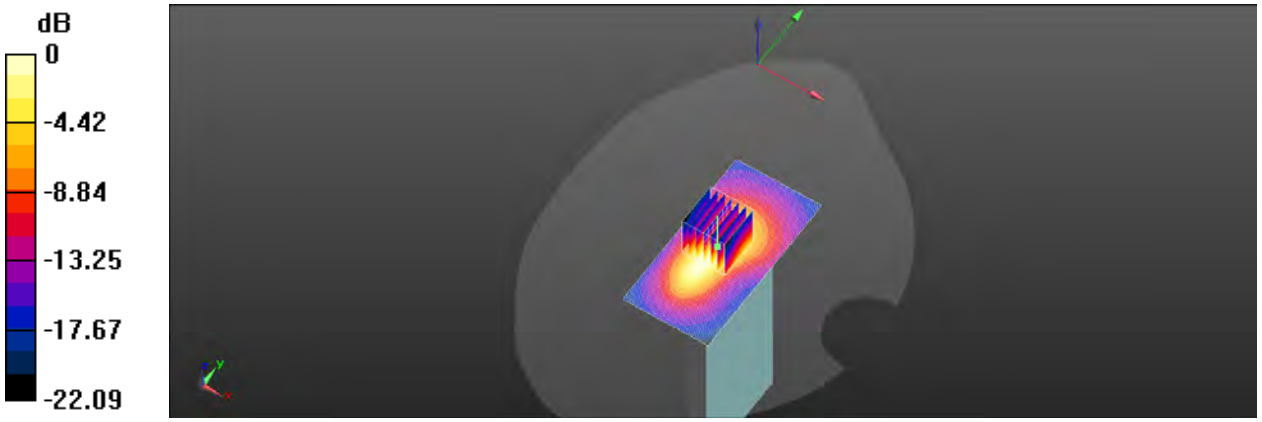
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.913 S/m; ε_r = 37.385; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.66 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.36 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.550 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 50.6%
Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

NR n12 (15MHz)_ Hotspot _Front side_CH 141700_Pi/2 BPSK_1-1_10mm_Ant1

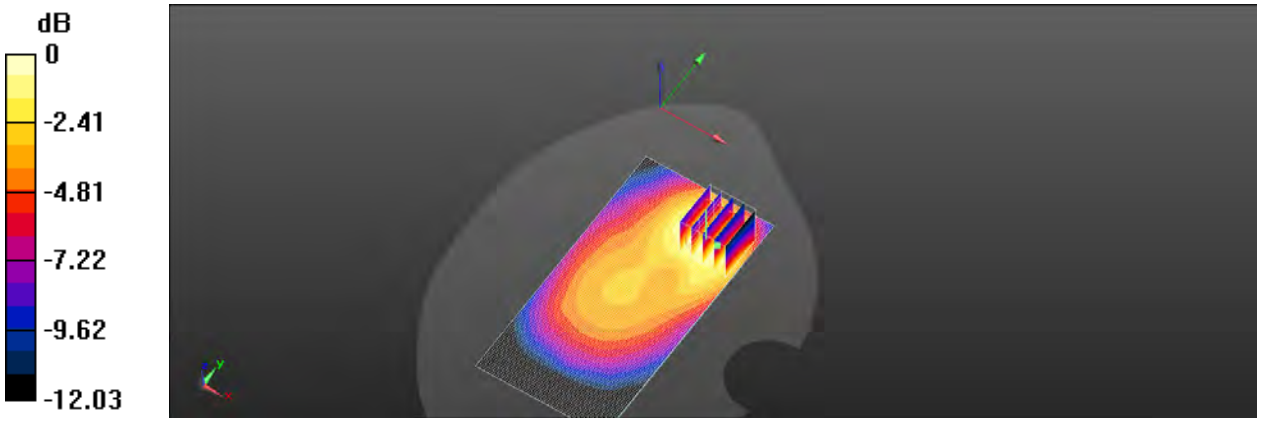
Communication System: 5G NR (15 MHz,Pi/2 BPSK, 15 kHz); Frequency: 708.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 708.5 MHz; σ = 0.876 S/m; ε_r = 43.651; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 708.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.110 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.589 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.054 W/kg
Smallest distance from peaks to all points 3 dB below = 17 mm
Ratio of SAR at M2 to SAR at M1 = 68.3%
Maximum value of SAR (measured) = 0.0995 W/kg



0 dB = 0.0995 W/kg = -10.02 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

NR n12 (15MHz)_ Hotspot _Front side_CH 141700_Pi/2 BPSK_1-1_10mm_Ant3

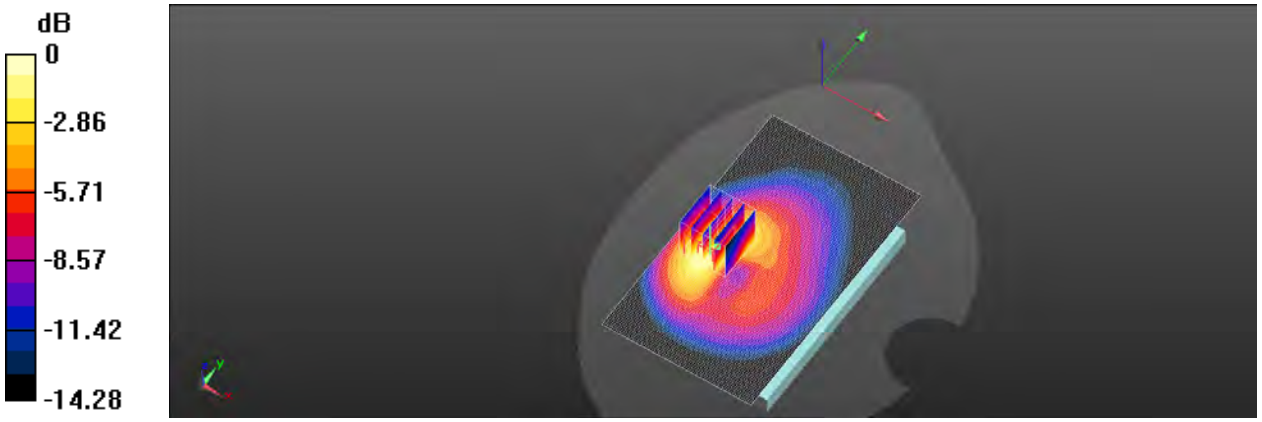
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 708.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 708.5 MHz; σ = 0.876 S/m; ε_r = 43.651; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.84, 9.84, 9.84) @ 708.5 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.251 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.415 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.368 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.124 W/kg
Smallest distance from peaks to all points 3 dB below = 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 58%
Maximum value of SAR (measured) = 0.288 W/kg



0 dB = 0.288 W/kg = -5.41 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

NR n25 (20MHz)_ Hotspot _Bottom side_CH 381000_Pi/2 BPSK_1-1_10mm_Ant2

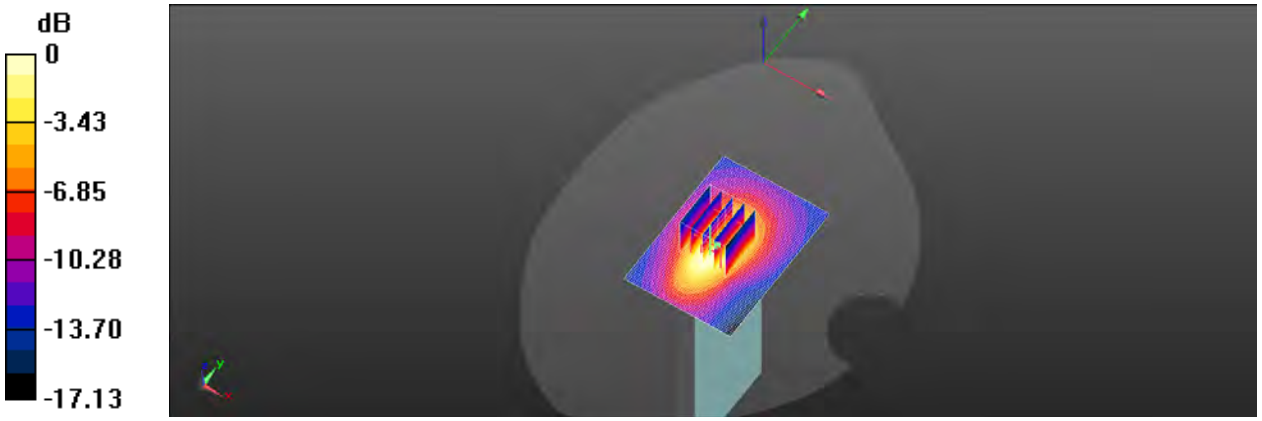
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1905 MHz; Duty cycle= 1:1
Medium parameters used: f = 1905 MHz; σ = 1.456 S/m; ε_r = 41.017; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.03, 8.03, 8.03) @ 1905 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.451 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.58 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.569 W/kg
SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.172 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 55.7%
Maximum value of SAR (measured) = 0.444 W/kg



0 dB = 0.444 W/kg = -3.53 dBW/kg

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Date: 2021/3/29

Report No. :EN/2021/20002

NR n38 (40MHz)_ Hotspot _Bottom side_CH 518000_Pi/2 BPSK_1-1_10mm_Ant2

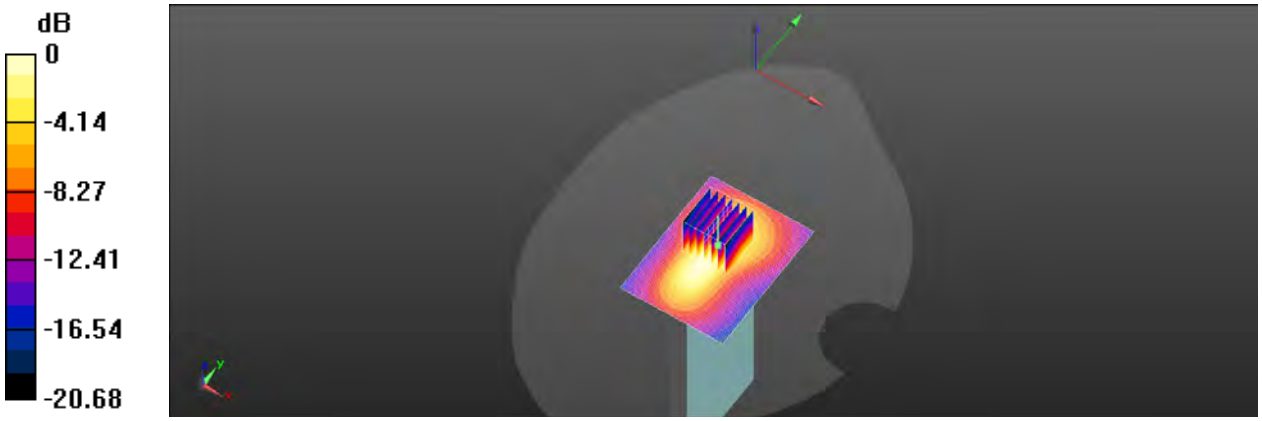
Communication System: 5G NR (40 MHz,Pi/2 QPSK, 15kHz); Frequency: 2590 MHz; Duty cycle= 1:1
Medium parameters used: f = 2590 MHz; σ = 1.941 S/m; ε_r = 37.374; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2590 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: vSAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.86 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.523 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

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Date: 2021/3/26

Report No. :EN/2021/20002

NR n66 (20MHz)_ Hotspot _Bottom side_CH 354000_Pi/2 BPSK_1-1_10mm_Ant2

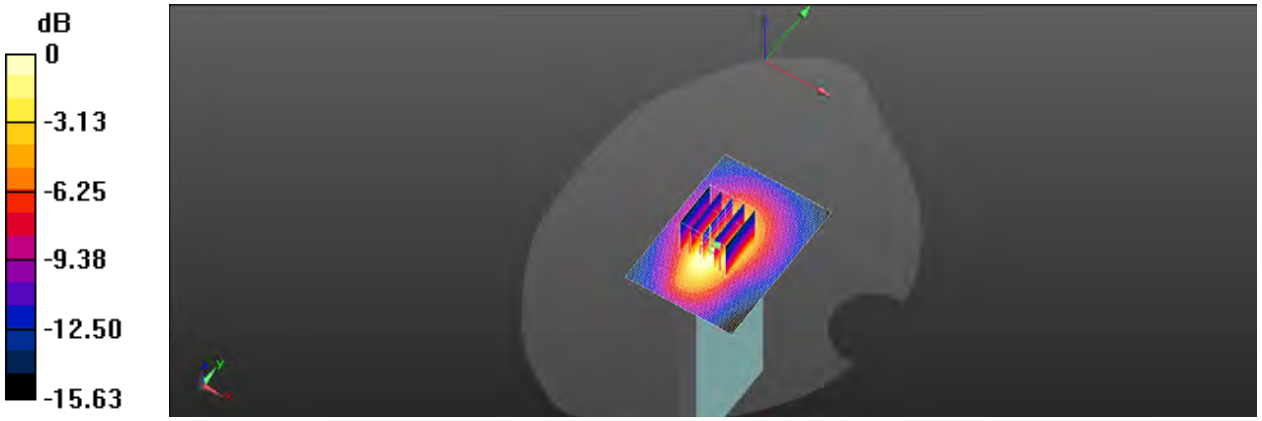
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 1770 MHz; Duty cycle= 1:1
Medium parameters used: f = 1770 MHz; σ = 1.337 S/m; ε_r = 41.588; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.36, 8.36, 8.36) @ 1770 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.390 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.18 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.490 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.156 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 56.9%
Maximum value of SAR (measured) = 0.392 W/kg



0 dB = 0.392 W/kg = -4.07 dBW/kg

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Date: 2021/3/31

Report No. :EN/2021/20002

NR n77 (100MHz)_ Hotspot _Left side_CH 652400_Pi/2 BPSK_1-1_10mm_Ant4

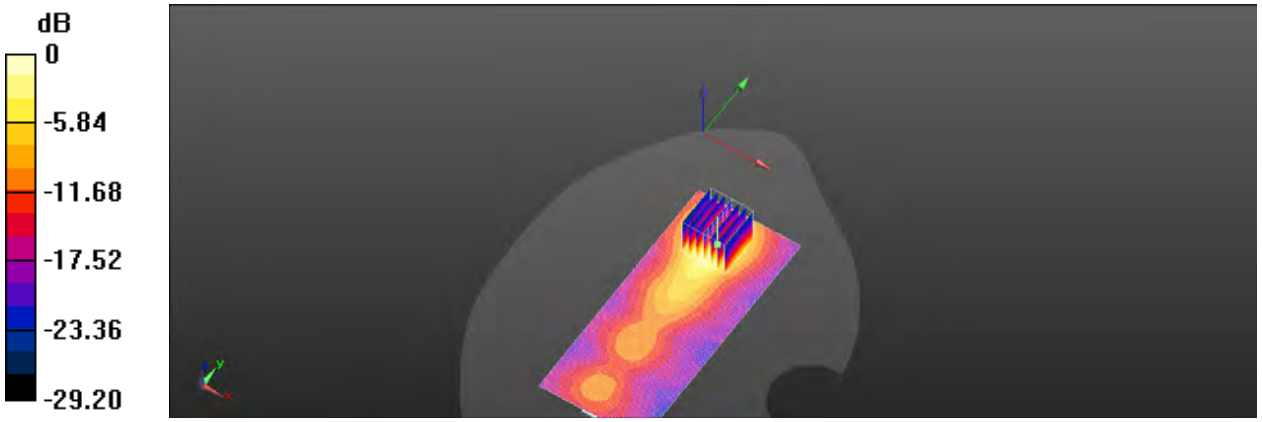
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3786 MHz; Duty cycle= 1:1
Medium parameters used: f = 3786 MHz; σ = 3.197 S/m; ε_r = 36.827; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.6, 6.6, 6.6) @ 3786 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 8.092 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.783 W/kg; SAR(10 g) = 0.371 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 46.9%
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

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Date: 2021/4/1

Report No. :EN/2021/20002

NR n77 (100MHz)_ Hotspot _Left side_CH 662000_Pi/2 BPSK_1-1_10mm_Ant5

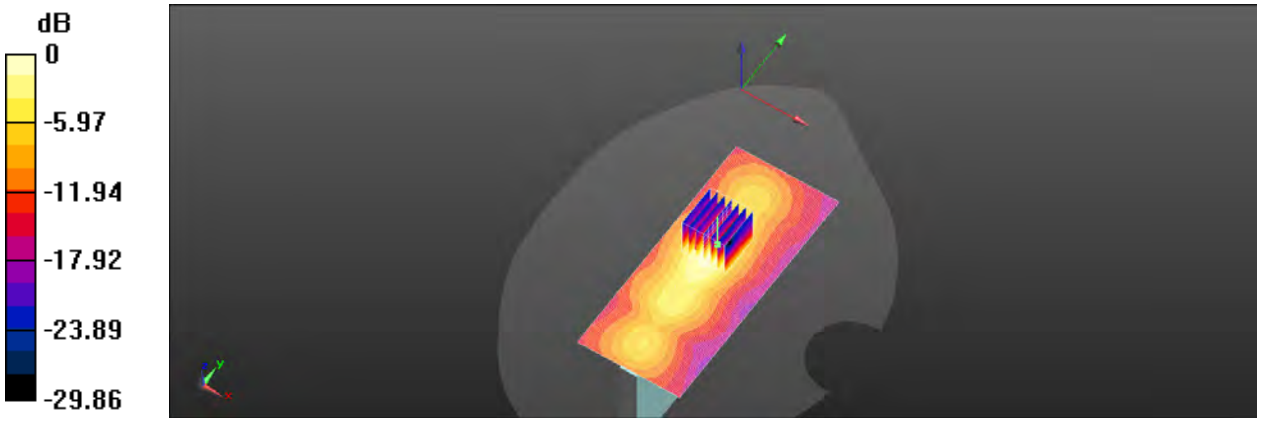
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3930 MHz; Duty cycle= 1:1
Medium parameters used: f = 3930 MHz; σ = 3.333 S/m; ε_r = 36.611; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.39, 6.39, 6.39) @ 3930 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.906 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 14.68 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.288 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.2%
Maximum value of SAR (measured) = 0.939 W/kg



0 dB = 0.939 W/kg = -0.27 dBW/kg

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Date: 2021/3/29

Report No. :EN/2021/20002

NR n7 (20MHz)_ Product specific 10-g SAR_Bottom side_CH 502000_Pi/2 BPSK_1-1_0mm_Ant2

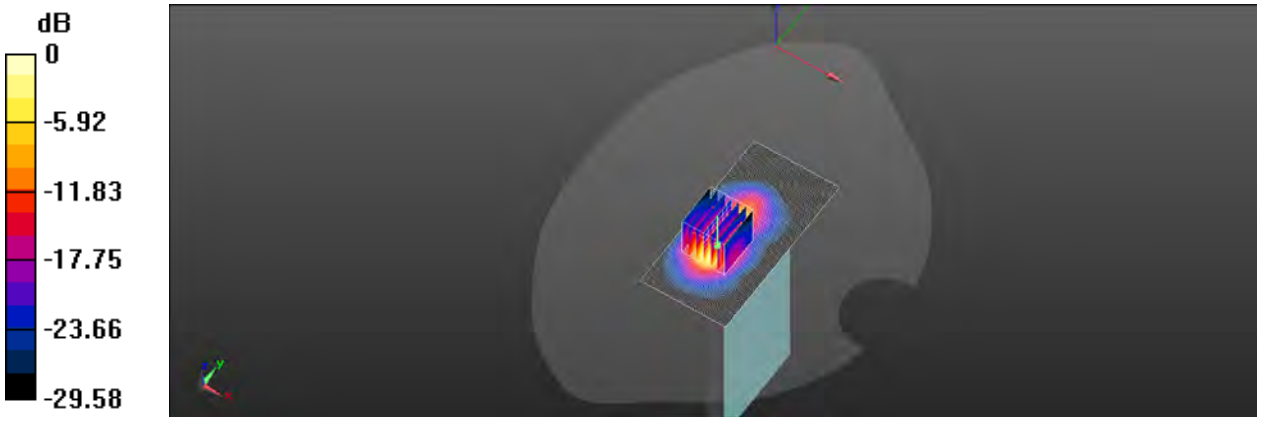
Communication System: 5G NR (20 MHz,Pi/2 BPSK, 15kHz); Frequency: 2510 MHz; Duty cycle= 1:1
Medium parameters used: f = 2510 MHz; σ = 1.856 S/m; ε_r = 37.424; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.21, 7.21, 7.21) @ 2510 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 18.4 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.01 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 31.0 W/kg
SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.39 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 40.9%
Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg = 12.01 dBW/kg

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Date: 2021/3/29

Report No. :EN/2021/20002

NR n38(40MHz)_ Product specific 10-g SAR_Bottom side_CH 520000_Pi/2 BPSK_1-1_0mm_Ant2

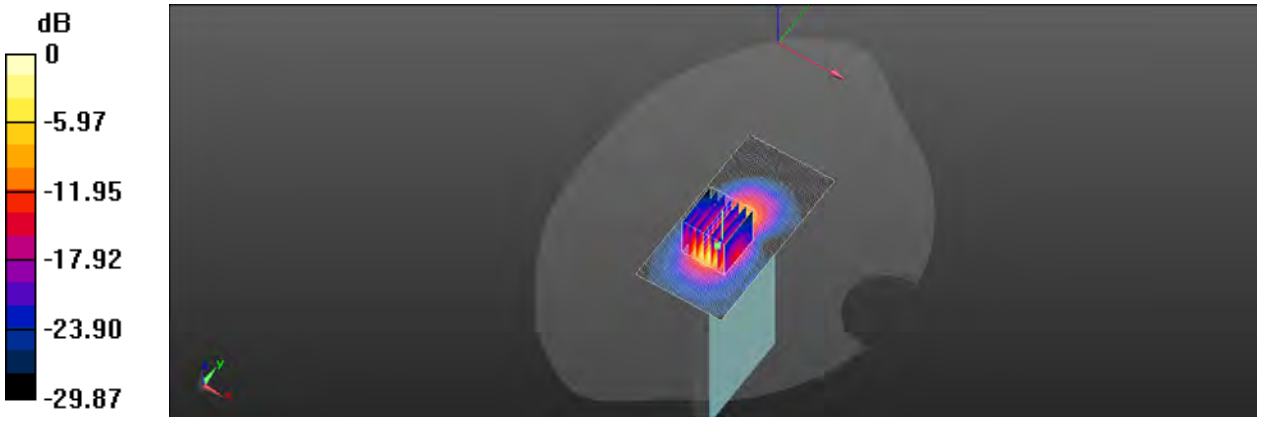
Communication System: 5G NR (40 MHz,Pi/2 QPSK, 30kHz); Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.966 S/m; ε_r = 37.353; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 15.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.07 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 24.5 W/kg
SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.47 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 41.9%
Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 15.0 W/kg = 11.76 dBW/kg

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Date: 2021/3/31

Report No. :EN/2021/20002

NR n77(100MHz)_ Product specific 10-g SAR_Left side_CH 643667_Pi/2 BPSK_1-1_0mm_Ant4

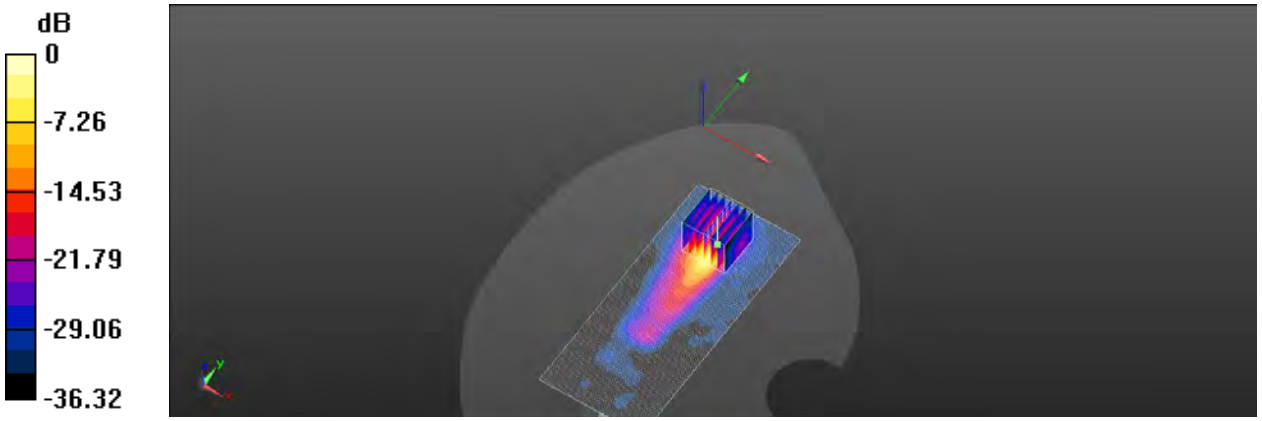
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3655.01 MHz; Duty cycle= 1:1
Medium parameters used: f = 3655.01 MHz; σ = 3.071 S/m; ε_r = 37.013; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.6, 6.6, 6.6) @ 3655.01 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 6.86 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 10.97 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 23.8 W/kg
SAR(1 g) = 8.76 W/kg; SAR(10 g) = 3.23 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 42.8%
Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

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Date: 2021/3/31

Report No. :EN/2021/20002

NR n77(100MHz)_ Product specific 10-g SAR_Left side_CH 647333_Pi/2 BPSK_1-1_0mm_Ant5

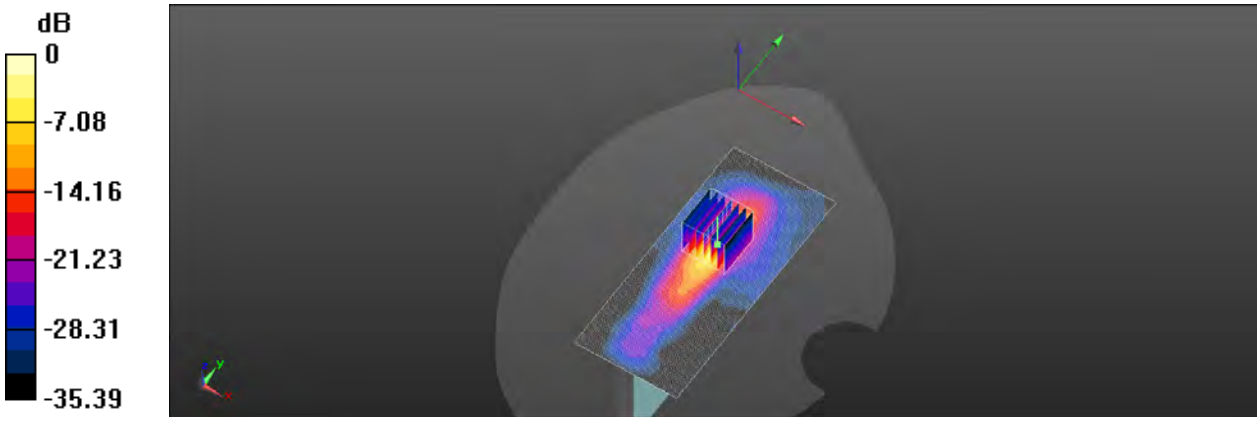
Communication System: 5G NR (100 MHz,Pi/2 BPSK, 30 kHz); Frequency: 3709.99 MHz; Duty cycle= 1:1
Medium parameters used: f = 3710 MHz; σ = 3.127 S/m; ε_r = 36.908; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.6, 6.6, 6.6) @ 3709.99 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 10.0 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 28.96 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 51.9 W/kg
SAR(1 g) = 11.8 W/kg; SAR(10 g) = 3.48 W/kg
Smallest distance from peaks to all points 3 dB below = 3.6 mm
Ratio of SAR at M2 to SAR at M1 = 23.6%
Maximum value of SAR (measured) = 24.1 W/kg



0 dB = 24.1 W/kg = 13.82 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

WLAN 802.11b_Head_Re Cheek_CH 6_Ant7

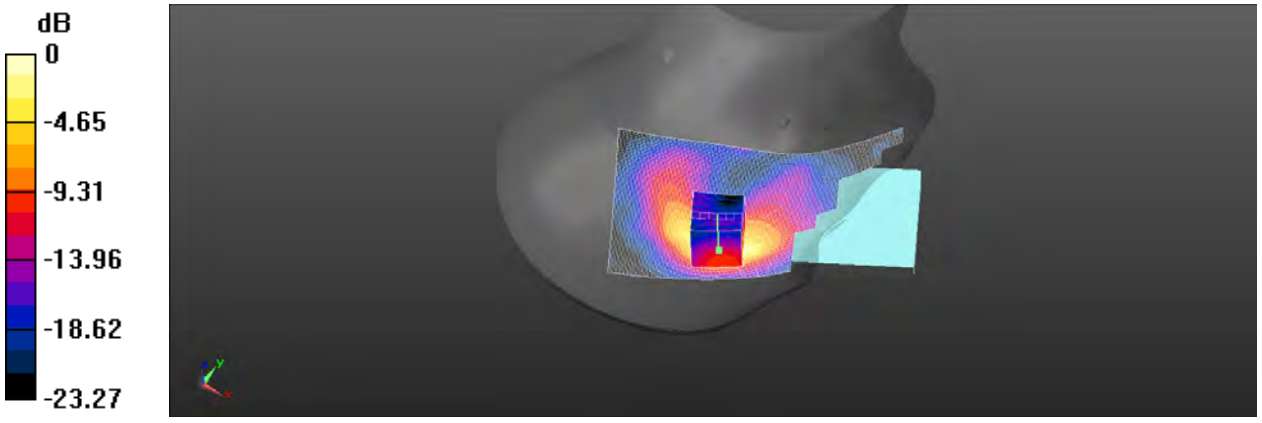
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.041
Medium parameters used: f = 2437 MHz; σ = 1.741 S/m; ε_r = 37.709; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2437 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.538 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.291 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 42%
Maximum value of SAR (measured) = 1.16 W/kg



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

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Date: 2021/3/11

Report No. :EN/2021/20002

Bluetooth(GFSK)_Head_Re Cheek_CH 78_Ant7

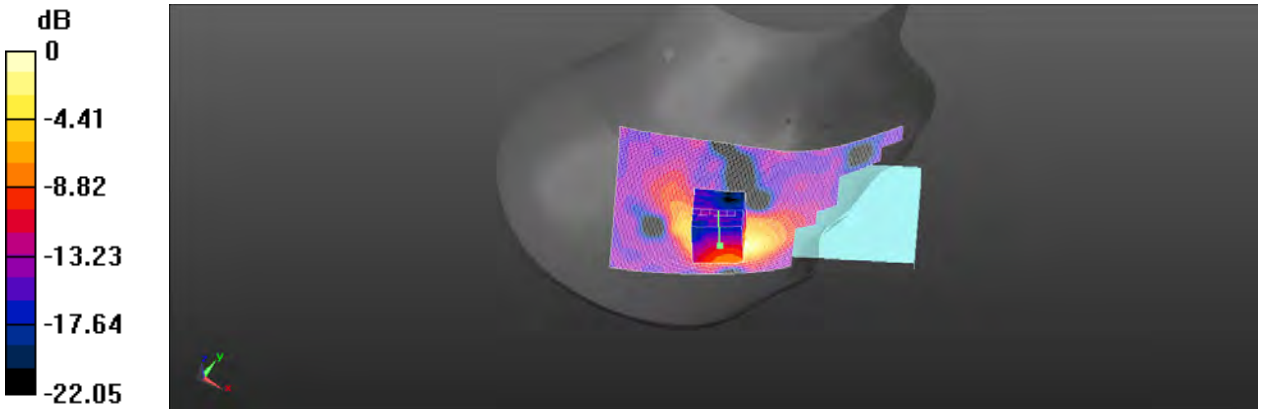
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.256 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.017 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.061 W/kg
Smallest distance from peaks to all points 3 dB below = 6.3 mm
Ratio of SAR at M2 to SAR at M1 = 44.1%
Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg = -6.36 dBW/kg

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Date: 2021/3/12

Report No. : EN/2021/20002

WLAN 802.11ac(80M) 5.2G_Head_Re Cheek_CH 42_Ant7

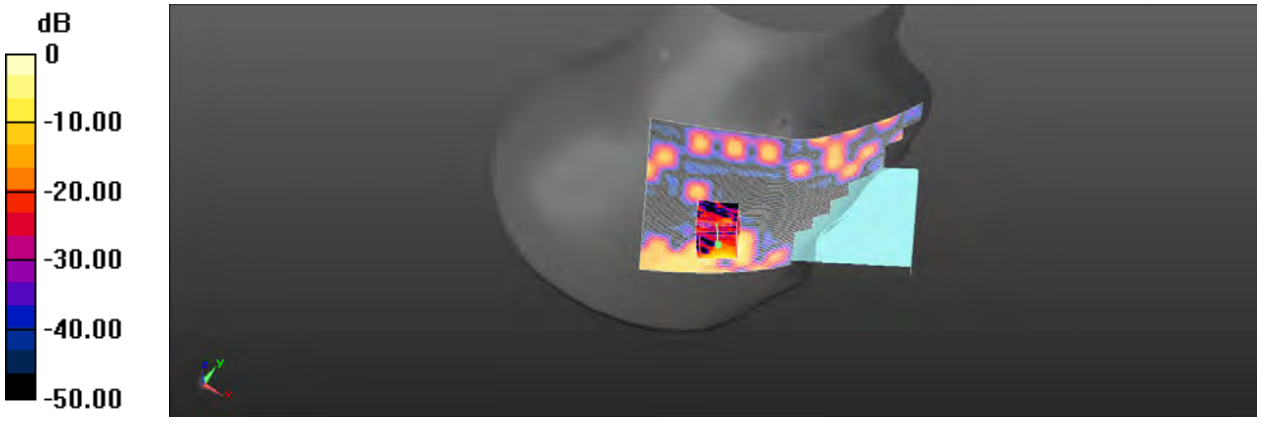
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5210 MHz; σ = 4.695 S/m; ε_r = 35.084; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.786 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.445 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.907 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.047 W/kg
Smallest distance from peaks to all points 3 dB below = 4 mm
Ratio of SAR at M2 to SAR at M1 = 49.1%
Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.503 W/kg = -2.98 dBW/kg

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Date: 2021/3/13

Report No. : EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Head_Re Cheek_CH 58_Ant7

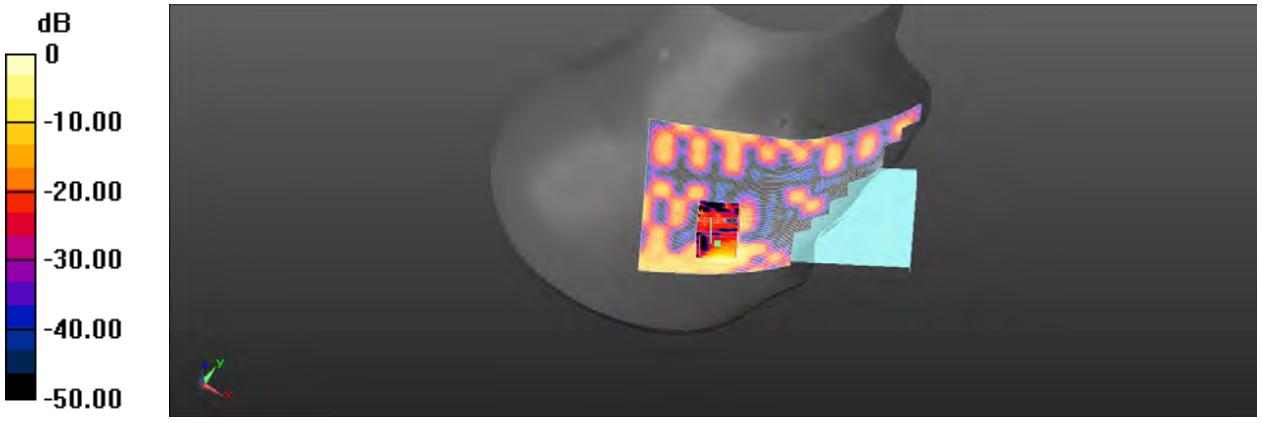
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5290 MHz; σ = 4.787 S/m; ε_r = 34.902; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.701 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.354 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.956 W/kg
SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.052 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) = 0.496 W/kg



0 dB = 0.496 W/kg = -3.05 dBW/kg

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Date: 2021/3/14

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Head_Re Cheek_CH 106_Ant7

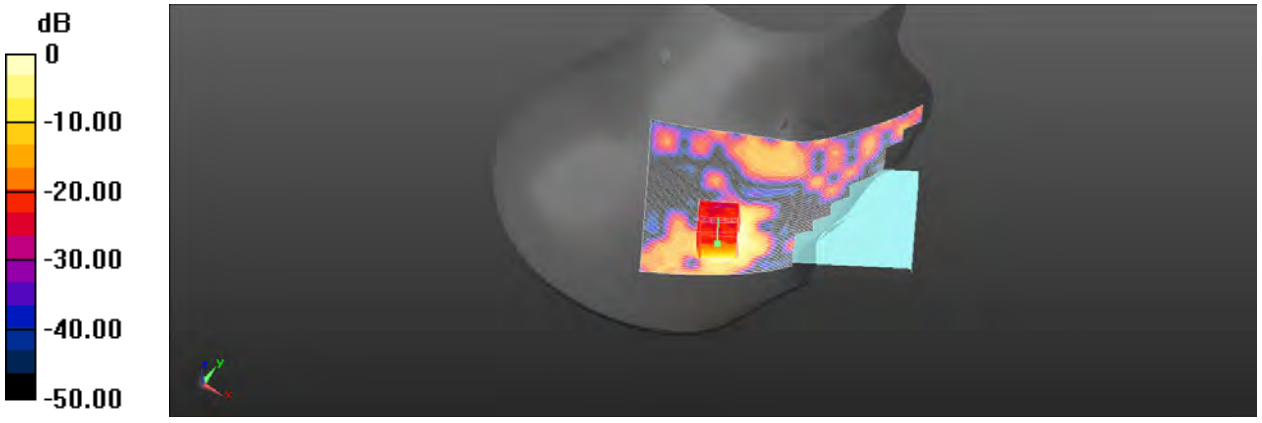
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5530 MHz; σ = 5.072 S/m; ε_r = 34.762; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.277 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.75 W/kg
SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.147 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 51.9%
Maximum value of SAR (measured) = 1.16 W/kg



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

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Date: 2021/3/15

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Head_Re Cheek_CH 155_Ant7

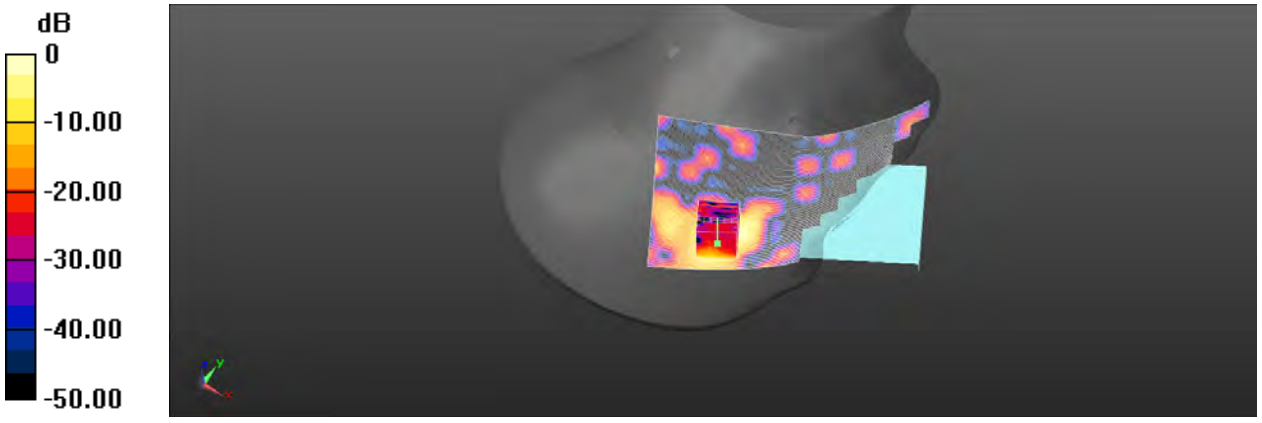
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5775 MHz; σ = 5.359 S/m; ε_r = 34.184; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.61 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.546 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 4.17 W/kg
SAR(1 g) = 0.738 W/kg; SAR(10 g) = 0.197 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 47.8%
Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

WLAN 802.11b_Head_Le Tilt_CH 11_Ant8

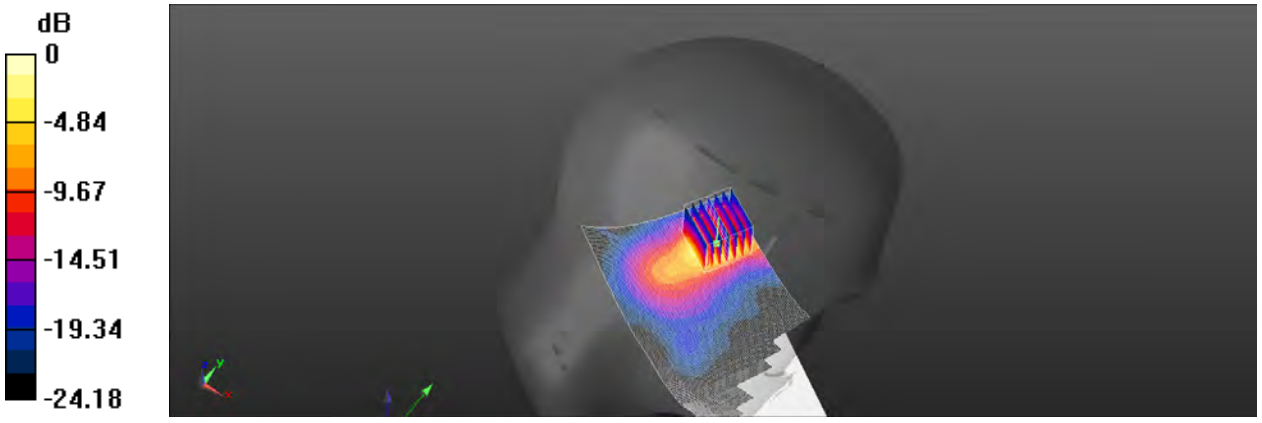
Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty cycle= 1:1.028
Medium parameters used: f = 2462 MHz; σ = 1.761 S/m; ε_r = 37.639; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2462 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.53 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.809 W/kg; SAR(10 g) = 0.321 W/kg
Smallest distance from peaks to all points 3 dB below = 6.3 mm
Ratio of SAR at M2 to SAR at M1 = 43.7%
Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

Bluetooth(GFSK)_Head_Le Tilt_CH 78_Ant8

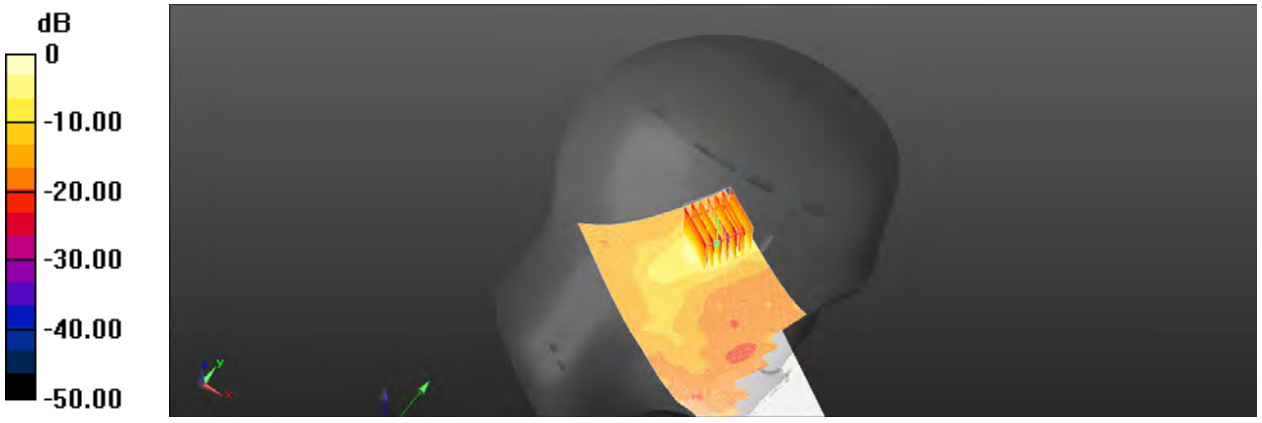
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.307 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.355 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.454 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.069 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 41.4%
Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg = -5.04 dBW/kg

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Date: 2021/3/12

Report No. : EN/2021/20002

WLAN 802.11ac(80M) 5.2G_Head_Le Tilt_CH 42_Ant8

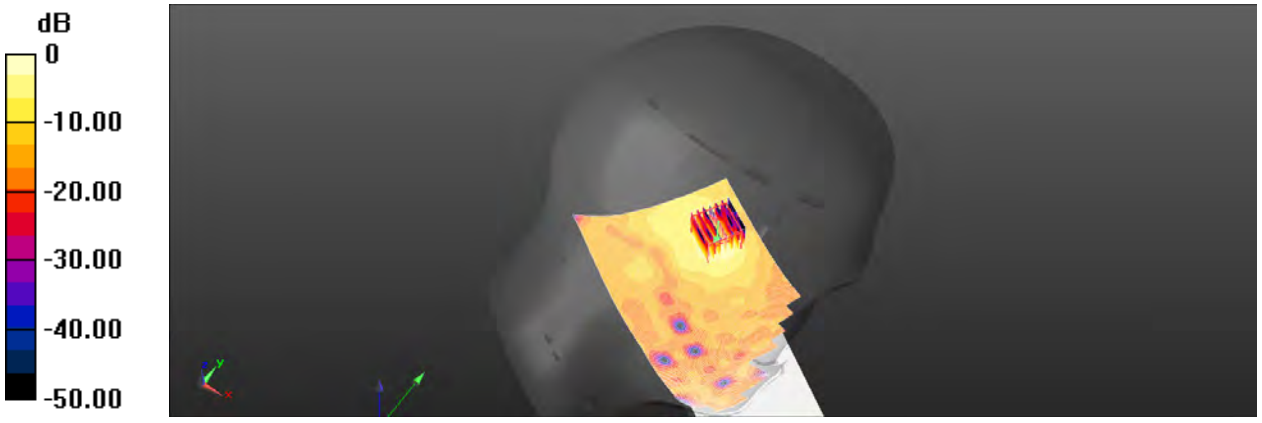
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5210 MHz; σ = 4.695 S/m; ε_r = 35.084; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.513 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.134 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.104 W/kg
Smallest distance from peaks to all points 3 dB below = 4.7 mm
Ratio of SAR at M2 to SAR at M1 = 56.2%
Maximum value of SAR (measured) = 0.807 W/kg



0 dB = 0.807 W/kg = -0.93 dBW/kg

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Date: 2021/3/13

Report No. : EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Head_Le Tilt_CH 58_Ant8

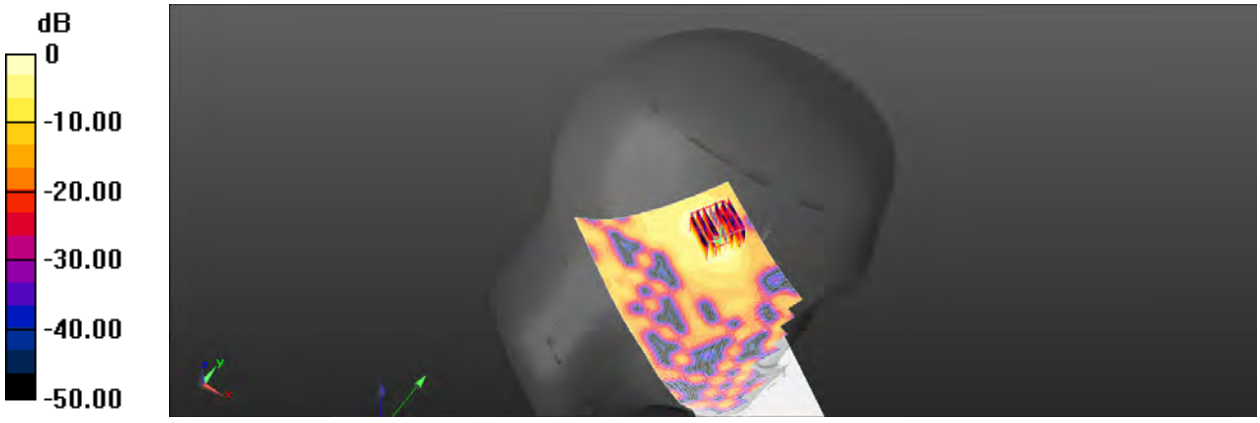
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5290 MHz; σ = 4.787 S/m; ε_r = 34.902; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.294 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.776 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.075 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 58.6%
Maximum value of SAR (measured) = 0.536 W/kg



0 dB = 0.536 W/kg = -2.71 dBW/kg

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Date: 2021/3/14

Report No. : EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Head_Le Tilt_CH 106_Ant8

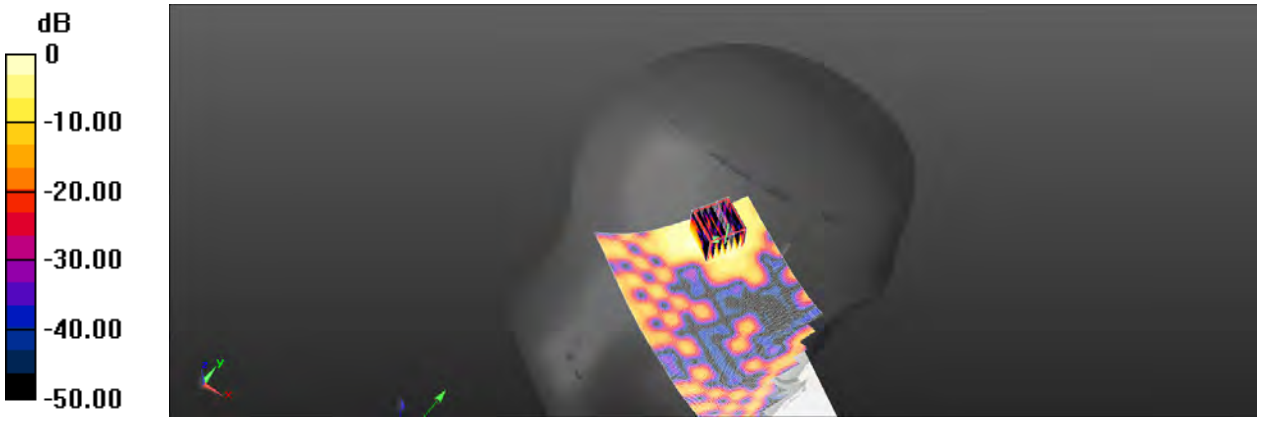
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5530 MHz; σ = 5.072 S/m; ε_r = 34.762; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.375 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.834 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.056 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 0.361 W/kg



0 dB = 0.361 W/kg = -4.42 dBW/kg

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Date: 2021/3/15

Report No. : EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Head_Le Tilt_CH 155_Ant8

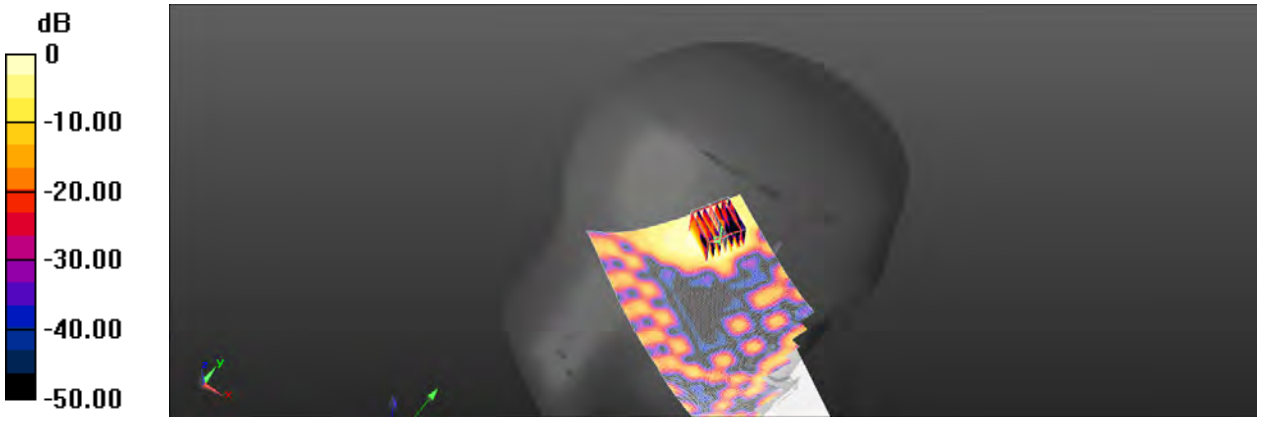
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5775 MHz; σ = 5.359 S/m; ε_r = 34.184; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.418 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.922 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.072 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 50.4%
Maximum value of SAR (measured) = 0.418 W/kg



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

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11b_Head_Re Cheek_CH 6_Ant7

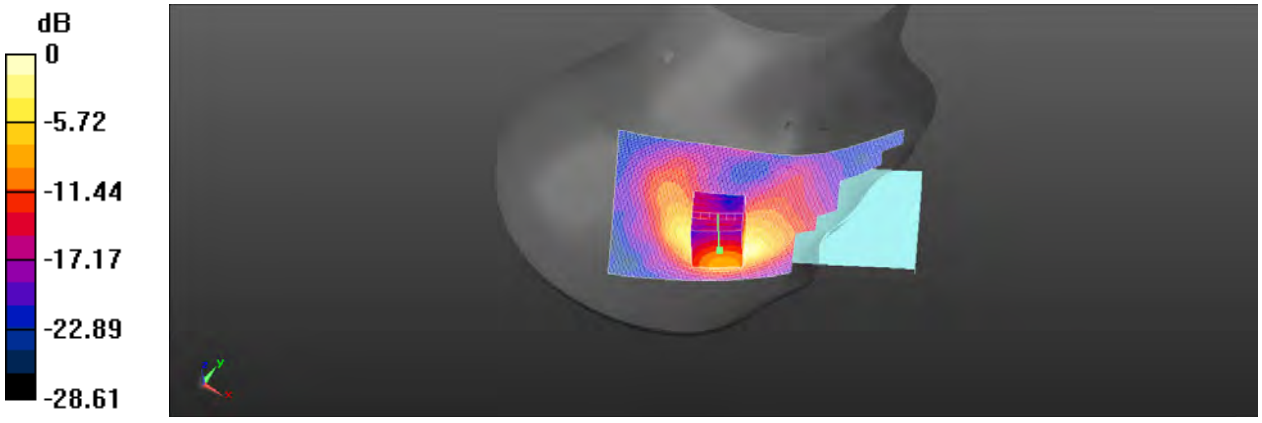
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.041
Medium parameters used: f = 2437 MHz; σ = 1.762 S/m; ε_r = 38.425; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2437 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.743 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.229 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.944 W/kg
SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.214 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 42.1%
Maximum value of SAR (measured) = 0.618 W/kg



0 dB = 0.618 W/kg = -2.09 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.2G_Head_Re Cheek_CH 42_Ant7

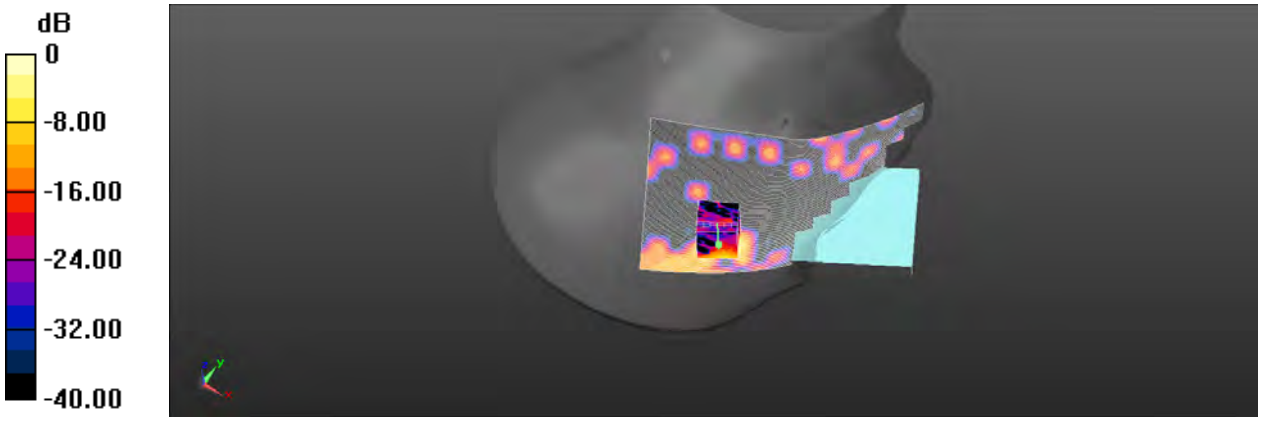
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5210 MHz; σ = 4.582 S/m; ε_r = 36.107; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.340 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.334 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.038 W/kg
Smallest distance from peaks to all points 3 dB below = 4.3 mm
Ratio of SAR at M2 to SAR at M1 = 49.1%
Maximum value of SAR (measured) = 0.217 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Head_Re Cheek_CH 58_Ant7

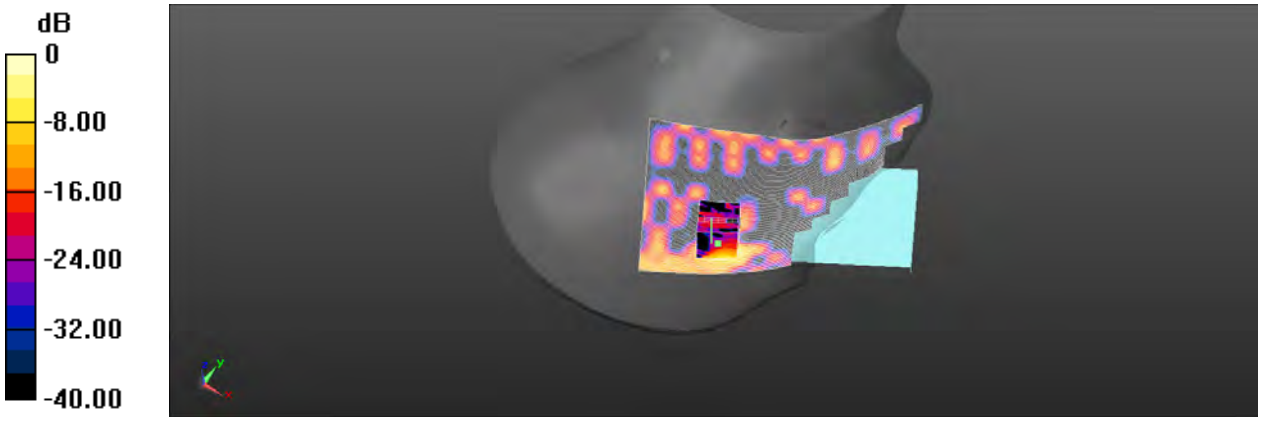
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5290 MHz; σ = 4.738 S/m; ε_r = 35.956; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.330 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.546 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.450 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.042 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 0.234 W/kg



0 dB = 0.234 W/kg = -6.31 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Head_Re Cheek_CH 106_Ant7

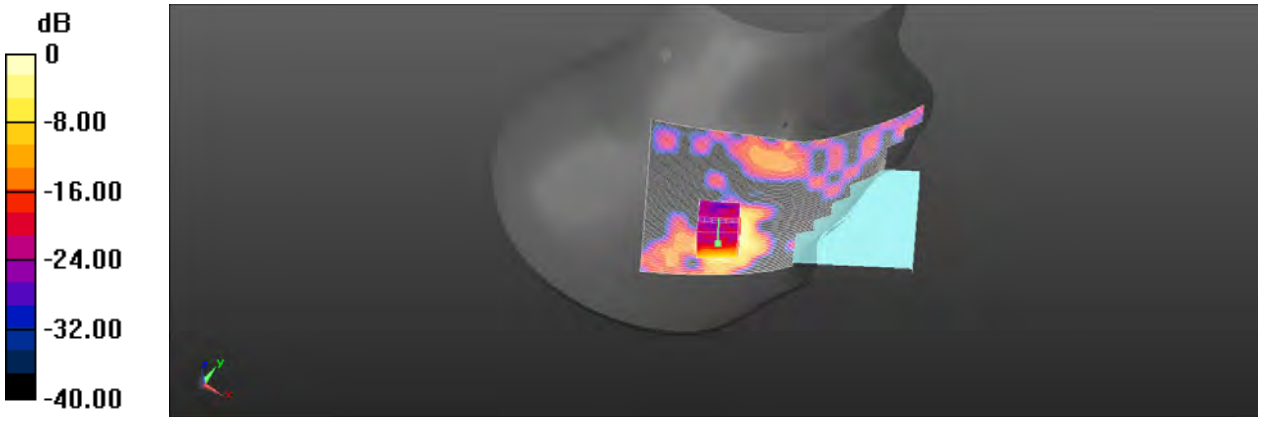
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5530 MHz; σ = 5.023 S/m; ε_r = 35.124; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.506 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.585 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.117 W/kg
Smallest distance from peaks to all points 3 dB below = 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 51.9%
Maximum value of SAR (measured) = 0.553 W/kg



0 dB = 0.553 W/kg = -2.57 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Head_Re Cheek_CH 155_Ant7

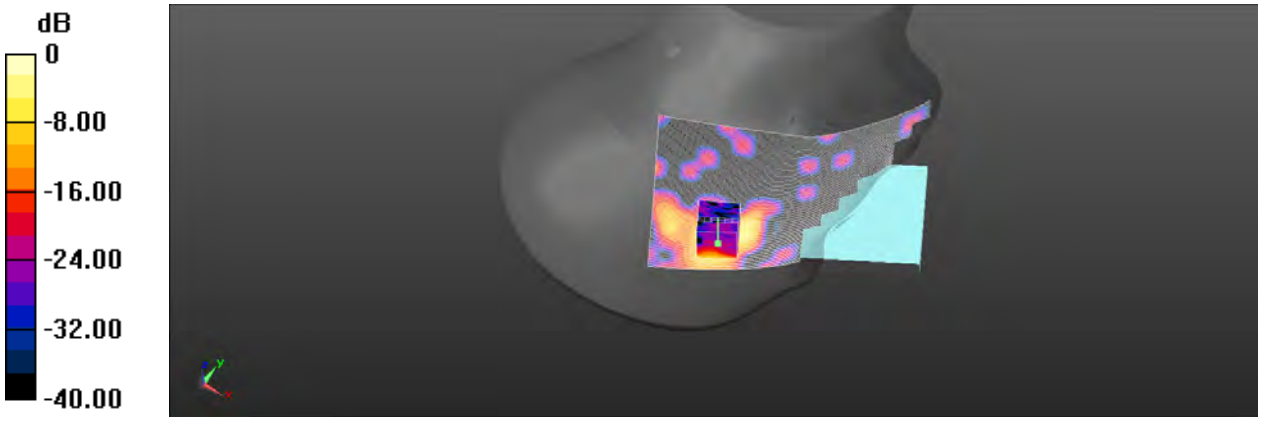
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5775 MHz; σ = 5.347 S/m; ε_r = 34.484; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.734 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.695 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.150 W/kg
Smallest distance from peaks to all points 3 dB below = 4.7 mm
Ratio of SAR at M2 to SAR at M1 = 47.8%
Maximum value of SAR (measured) = 0.758 W/kg



0 dB = 0.758 W/kg = -1.20 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11b_Head_Le Tilt_CH 11_Ant8

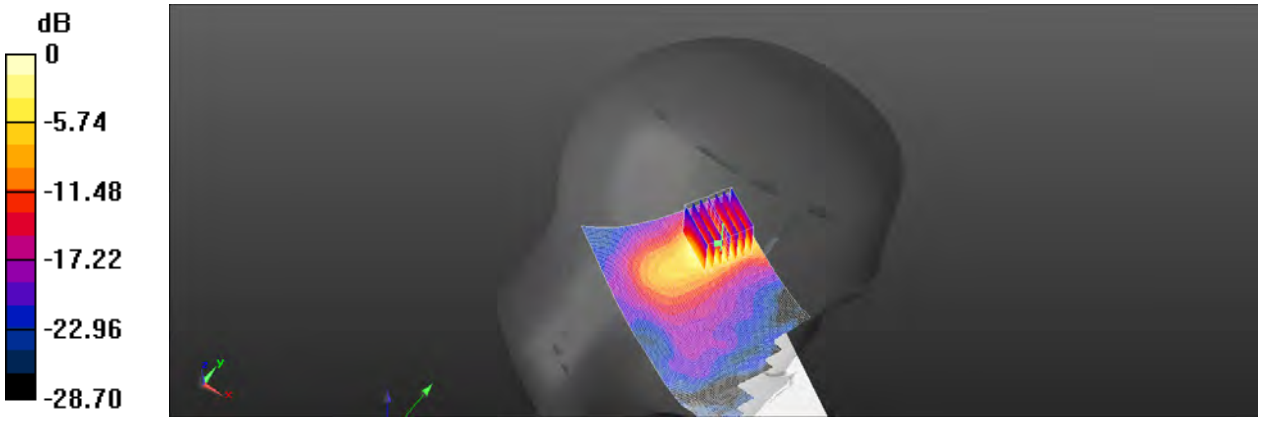
Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty cycle= 1:1.028
Medium parameters used: f = 2462 MHz; σ = 1.789 S/m; ε_r = 38.361; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2462 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.944 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.115 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.225 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 43.6%
Maximum value of SAR (measured) = 0.767 W/kg



0 dB = 0.767 W/kg = -1.15 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.2G_Head_Le Tilt_CH 42_Ant8

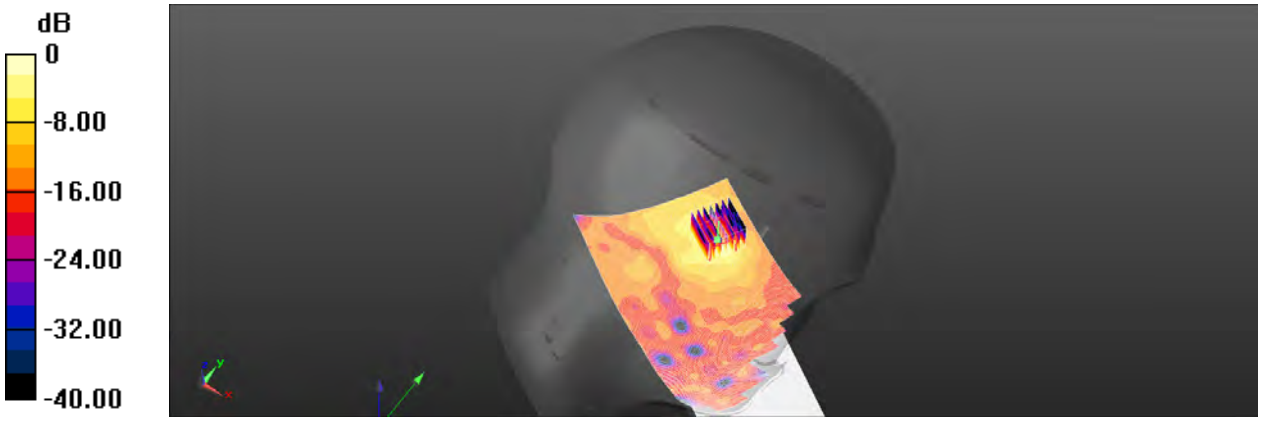
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5210 MHz; σ = 4.582 S/m; ε_r = 36.107; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.238 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.224 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.735 W/kg
SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.078 W/kg
Smallest distance from peaks to all points 3 dB below = 4.6 mm
Ratio of SAR at M2 to SAR at M1 = 56.2%
Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg = -4.26 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Head_Le Tilt_CH 58_Ant8

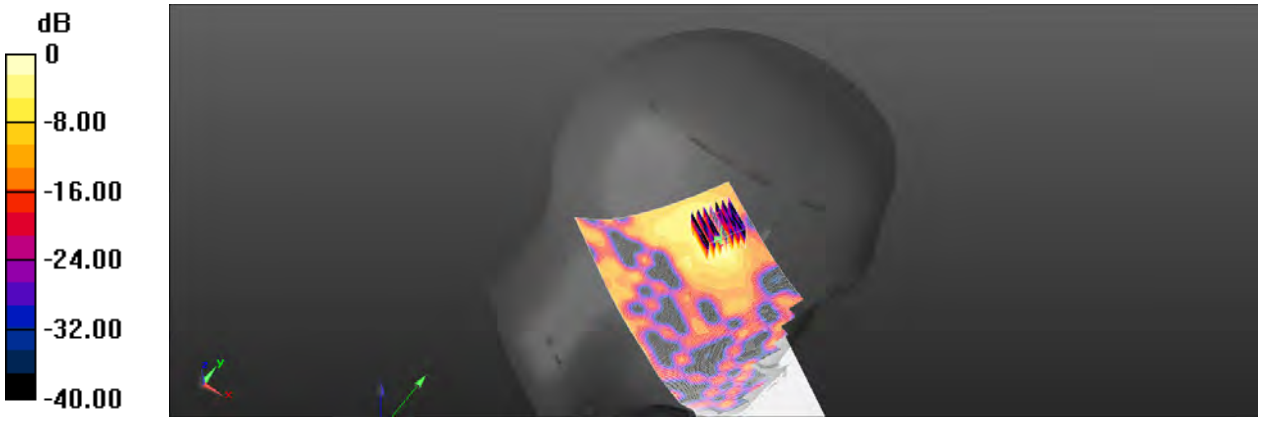
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5290 MHz; σ = 4.738 S/m; ε_r = 35.956; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.139 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.116 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.053 W/kg
Smallest distance from peaks to all points 3 dB below = 4.3 mm
Ratio of SAR at M2 to SAR at M1 = 58.6%
Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg = -5.97 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Head_Le Tilt_CH 106_Ant8

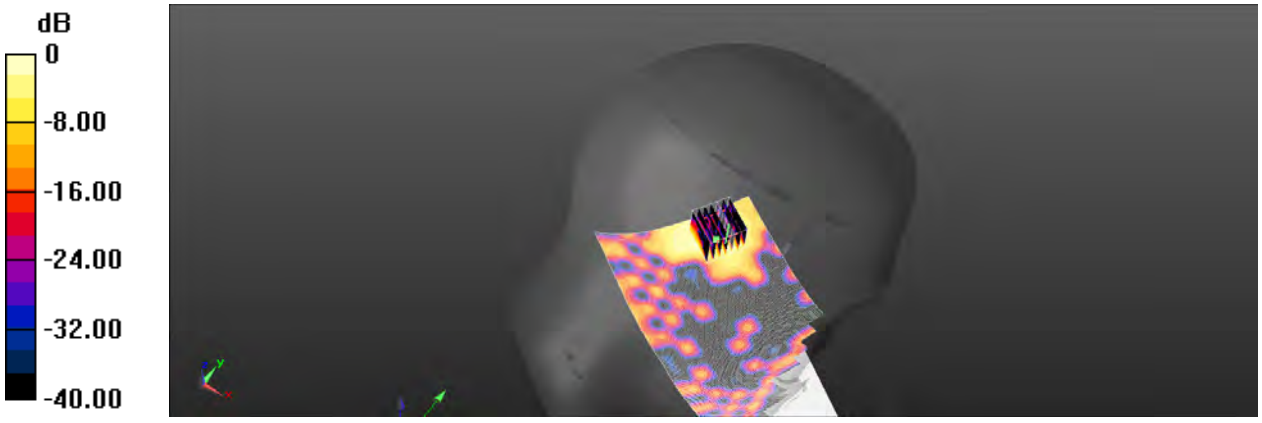
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5530 MHz; σ = 5.023 S/m; ε_r = 35.124; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.175 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.711 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.837 W/kg
SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.040 W/kg
Smallest distance from peaks to all points 3 dB below = 6.3 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 0.169 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Head_Le Tilt_CH 155_Ant8

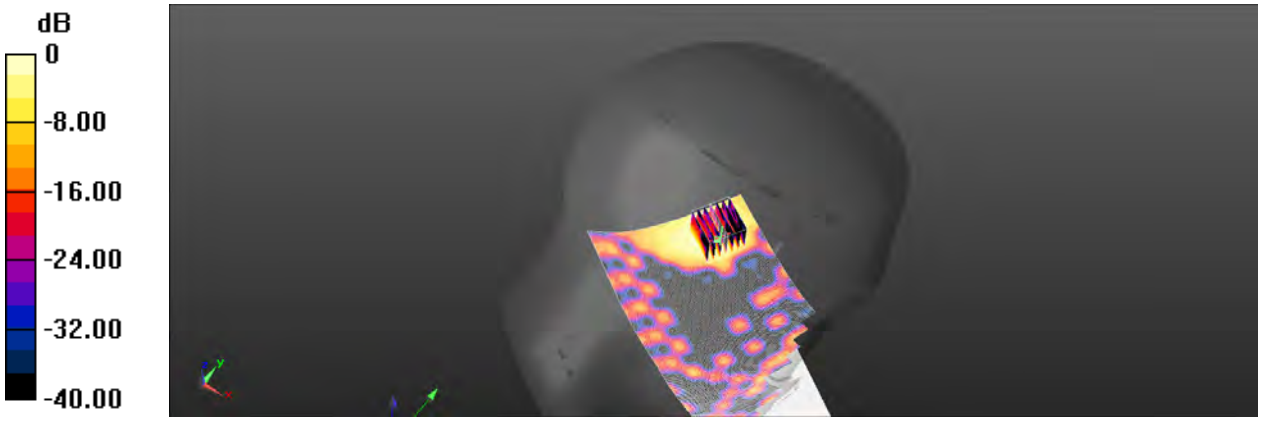
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5775 MHz; σ = 5.347 S/m; ε_r = 34.484; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.207 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.229 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.920 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.053 W/kg
Smallest distance from peaks to all points 3 dB below = 5.3 mm
Ratio of SAR at M2 to SAR at M1 = 50.4%
Maximum value of SAR (measured) = 0.207 W/kg



0 dB = 0.207 W/kg = -6.84 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11b_Head_Re Cheek_CH 6_Ant7

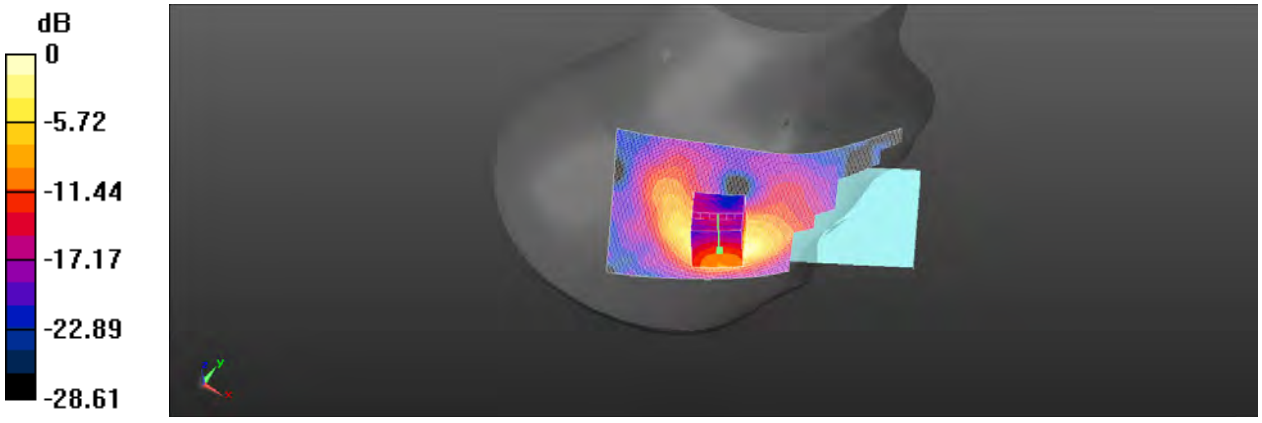
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.041
Medium parameters used: f = 2437 MHz; σ = 1.762 S/m; ε_r = 38.425; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2437 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.294 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.133 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.419 W/kg
SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.121 W/kg
Smallest distance from peaks to all points 3 dB below = 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 42%
Maximum value of SAR (measured) = 0.282 W/kg



0 dB = 0.282 W/kg = -5.50 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.2G_Head_Re Cheek_CH 42_Ant7

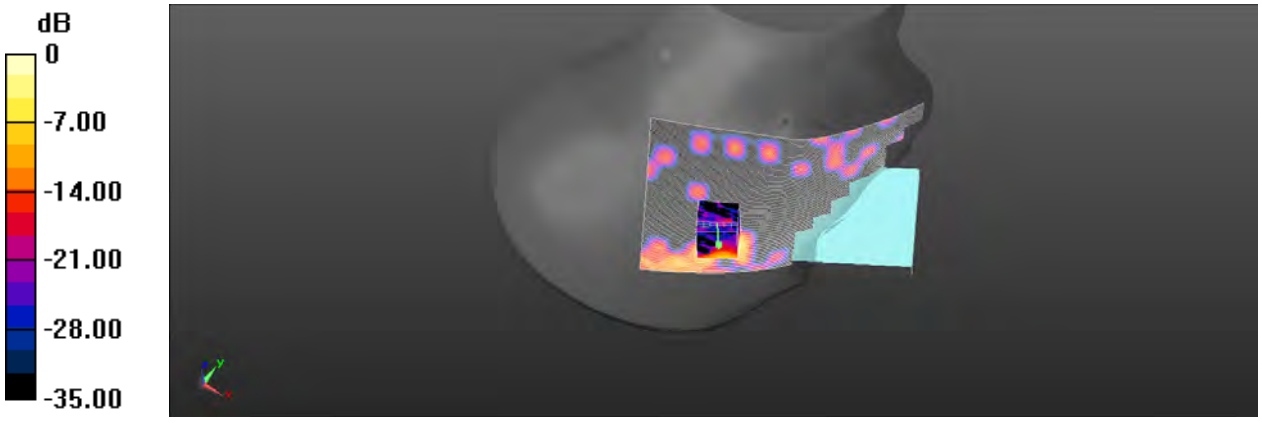
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5210 MHz; σ = 4.582 S/m; ε_r = 36.107; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.125 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.446 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.025 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 = 49.1%
Maximum value of SAR (measured) = 0.0797 W/kg



0 dB = 0.0797 W/kg = -10.99 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11ax(160M) 5.2G_Head_Re Cheek_CH 50_Ant7

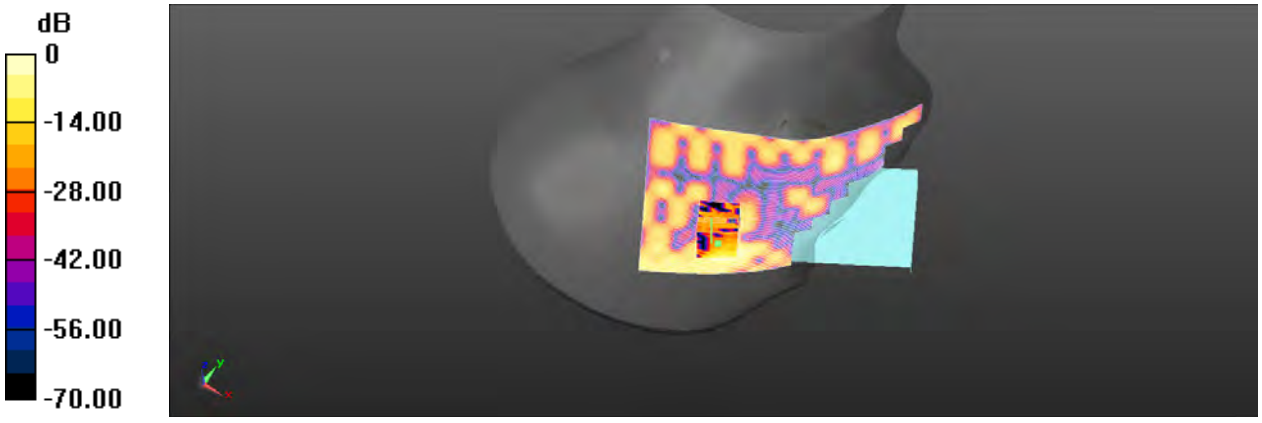
Communication System: WLAN 5G; Frequency: 5250 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 5250 MHz; σ = 4.618 S/m; ε_r = 36.041; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5250 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0878 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.249 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.024 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 = 50.7%
Maximum value of SAR (measured) = 0.0622 W/kg



0 dB = 0.0622 W/kg = -12.06 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Head_Re Cheek_CH 58_Ant7

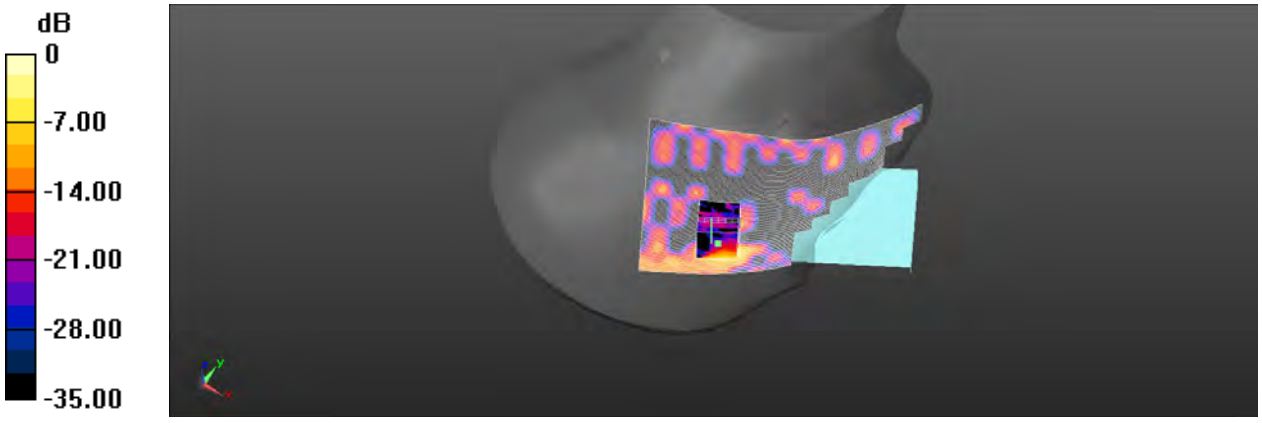
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5290 MHz; σ = 4.738 S/m; ε_r = 35.956; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.126 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.841 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.029 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 = 50.7%
Maximum value of SAR (measured) = 0.0894 W/kg



0 dB = 0.0894 W/kg = -10.49 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Head_Re Cheek_CH 106_Ant7

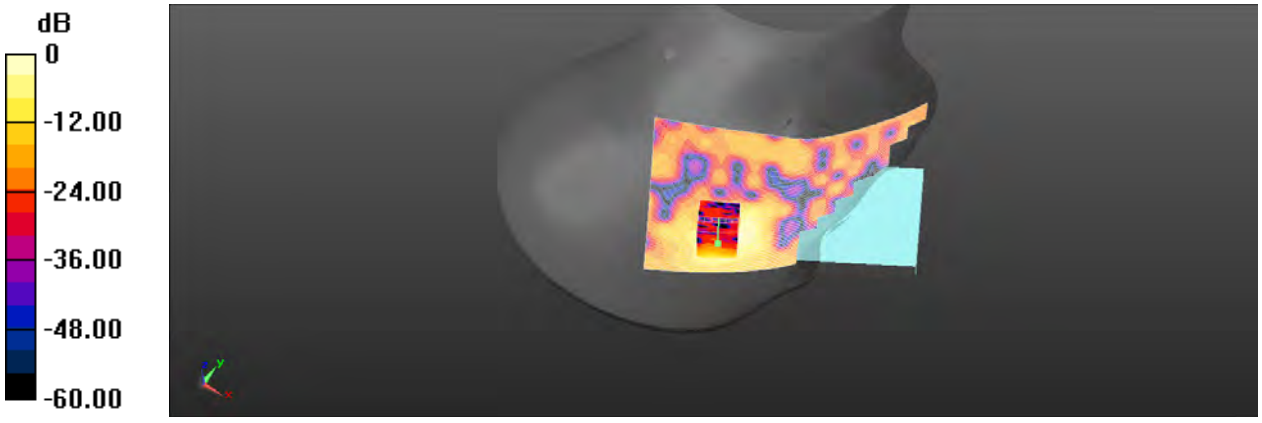
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5530 MHz; σ = 5.023 S/m; ε_r = 35.124; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.140 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.449 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.422 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.072 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 47%
Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.168 W/kg = -7.75 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ax(160M) 5.6G_Head_Re Cheek_CH 114_Ant7

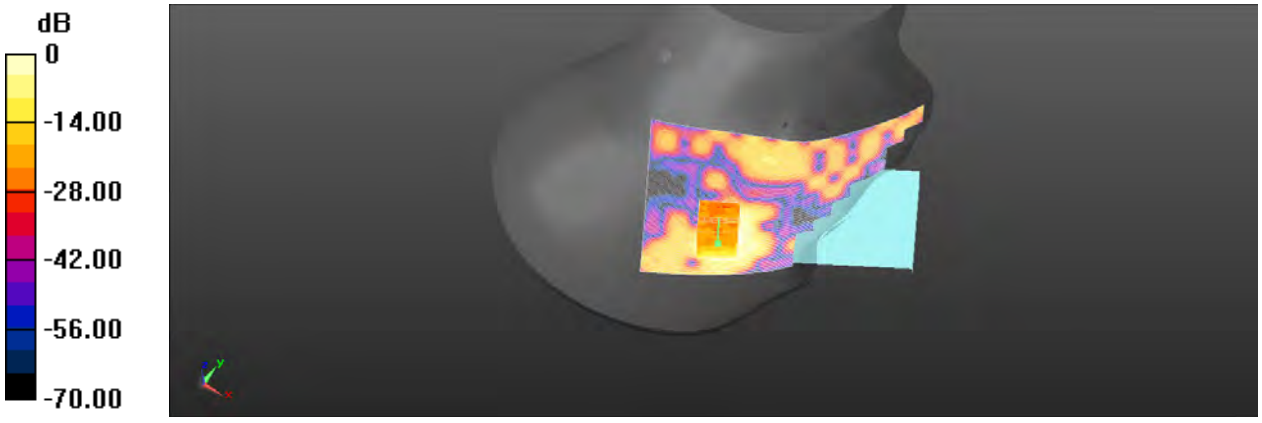
Communication System: WLAN 5G; Frequency: 5570 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 5570 MHz; σ = 5.089 S/m; ε_r = 35.075; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5570 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.148 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.114 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.382 W/kg
SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.064 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 51.9%
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Head_Re Cheek_CH 155_Ant7

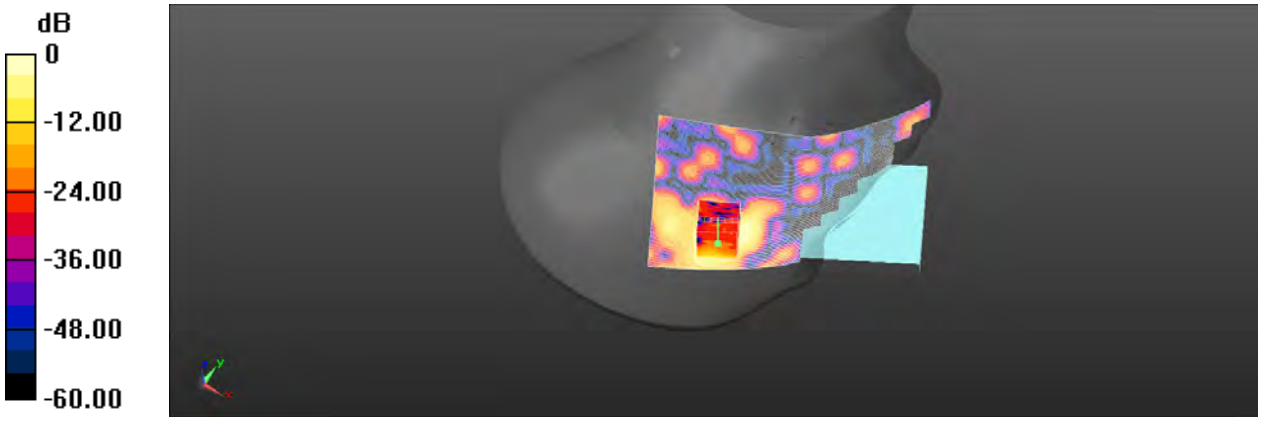
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.028
Medium parameters used: f = 5775 MHz; σ = 5.347 S/m; ε_r = 34.484; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.262 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.127 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.677 W/kg
SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.095 W/kg
Smallest distance from peaks to all points 3 dB below = 4.6 mm
Ratio of SAR at M2 to SAR at M1 = 47.8%
Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg = -5.69 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11b_Head_Le Tilt_CH 11_Ant8

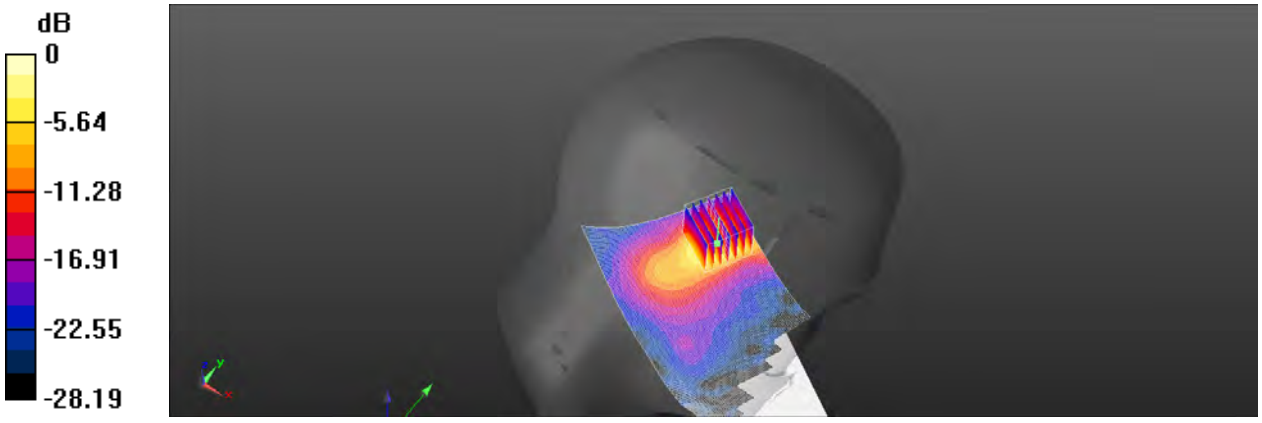
Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 2462 MHz; σ = 1.789 S/m; ε_r = 38.361; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2462 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.312 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.151 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.143 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 43.7%
Maximum value of SAR (measured) = 0.325 W/kg



0 dB = 0.325 W/kg = -4.88 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.2G_Head_Le Tilt_CH 42_Ant8

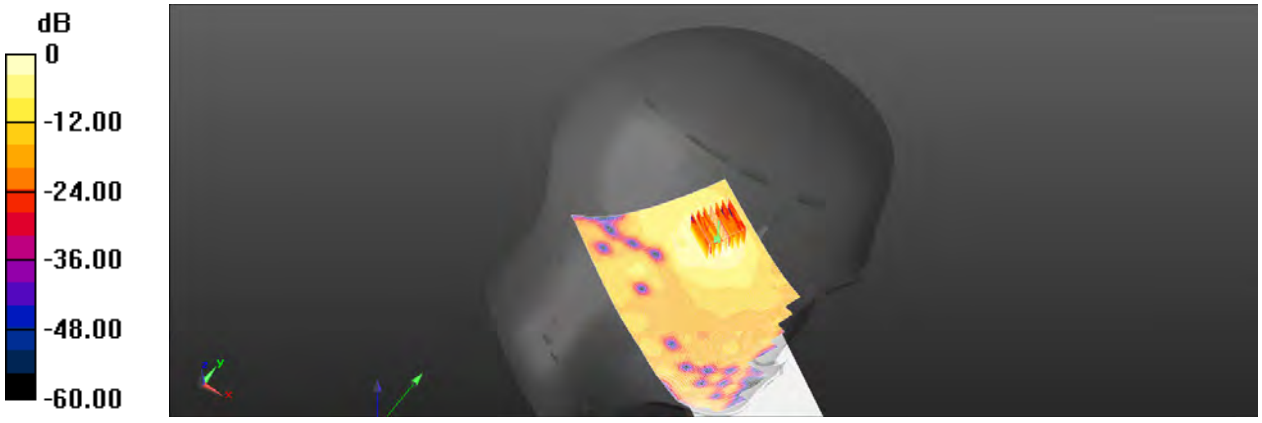
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5210 MHz; σ = 4.582 S/m; ε_r = 36.107; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.124 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.228 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.051 W/kg
Smallest distance from peaks to all points 3 dB below = 5.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.1%
Maximum value of SAR (measured) = 0.145 W/kg



0 dB = 0.145 W/kg = -8.39 dBW/kg

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Date: 2021/4/2

Report No. : EN/2021/20002

WLAN 802.11ax160M) 5.2G_Head_Le Tilt_CH 50_Ant8

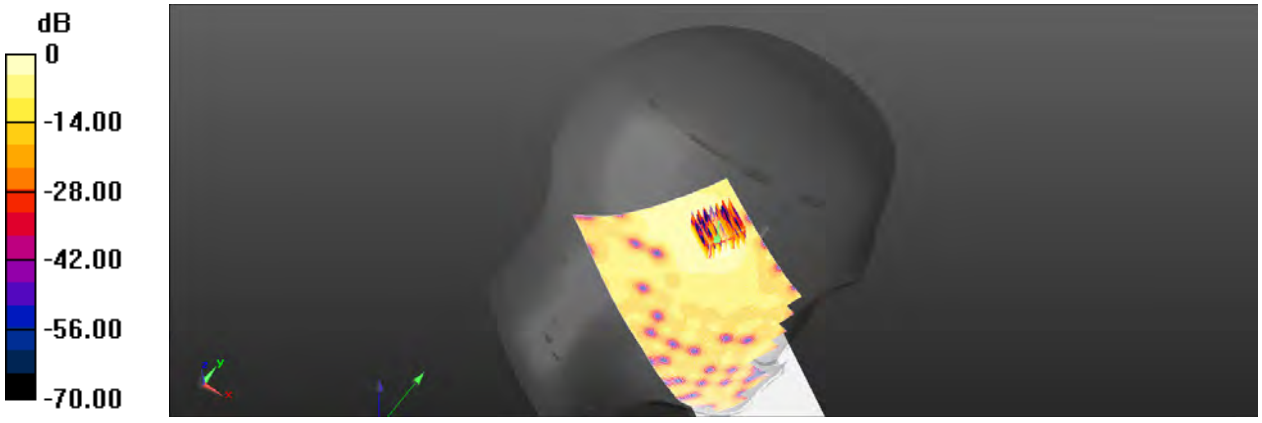
Communication System: WLAN 5G; Frequency: 5250 MHz; Duty cycle= 1:1.022
Medium parameters used: f = 5250 MHz; σ = 4.618 S/m; ε_r = 36.041; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5250 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.127 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.154 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.038 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 57%
Maximum value of SAR (measured) = 0.173 W/kg



0 dB = 0.173 W/kg = -7.62 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Head_Le Tilt_CH 58_Ant8

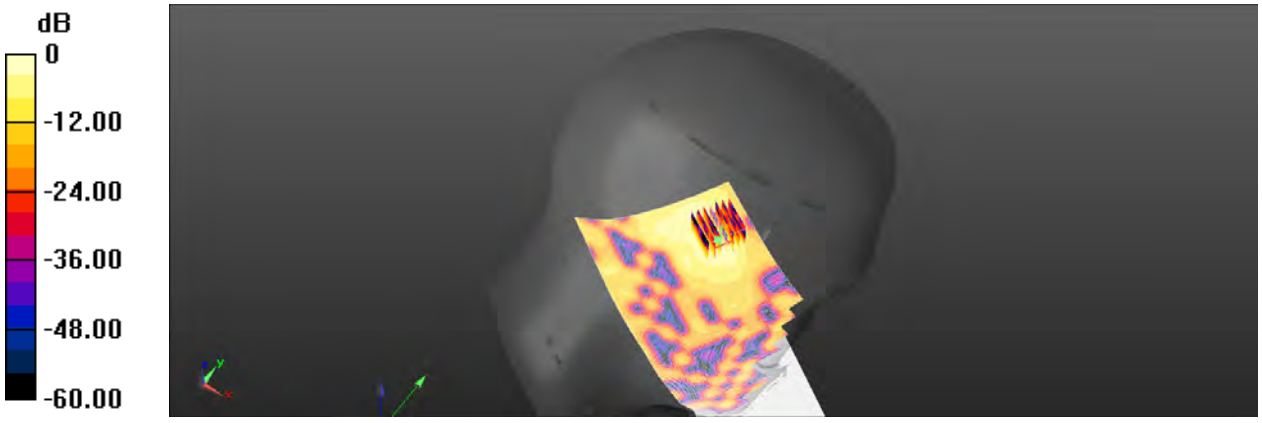
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5290 MHz; σ = 4.738 S/m; ε_r = 35.956; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0503 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.964 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.195 W/kg
SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.032 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 = 58.6%
Maximum value of SAR (measured) = 0.0916 W/kg



0 dB = 0.0916 W/kg = -10.38 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Head_Le Tilt_CH 106_Ant8

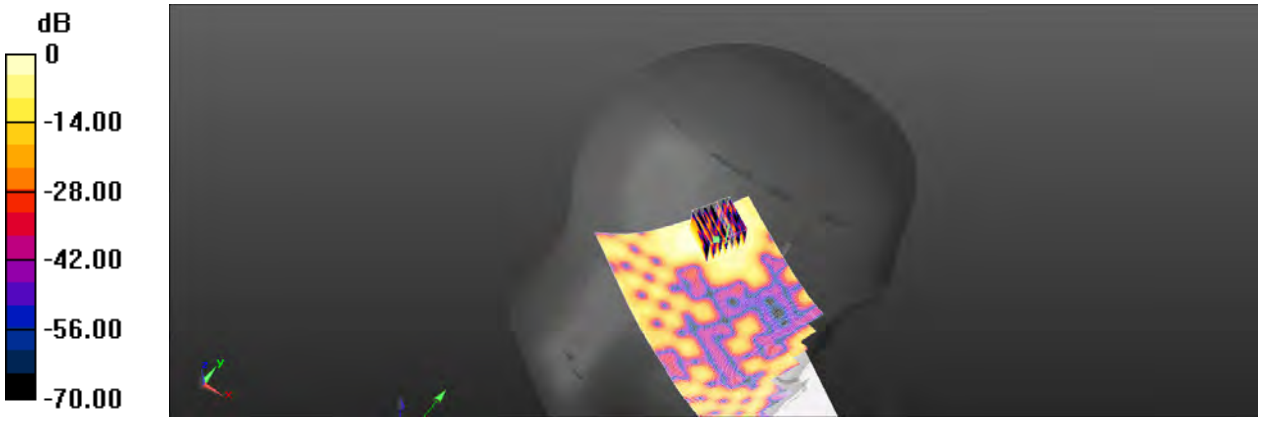
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5530 MHz; σ = 5.023 S/m; ε_r = 35.124; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0773 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.114 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.369 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.026 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 = 50.7%
Maximum value of SAR (measured) = 0.0744 W/kg



0 dB = 0.0744 W/kg = -11.28 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ax(160M) 5.6G_Head_Le Tilt_CH 114_Ant8

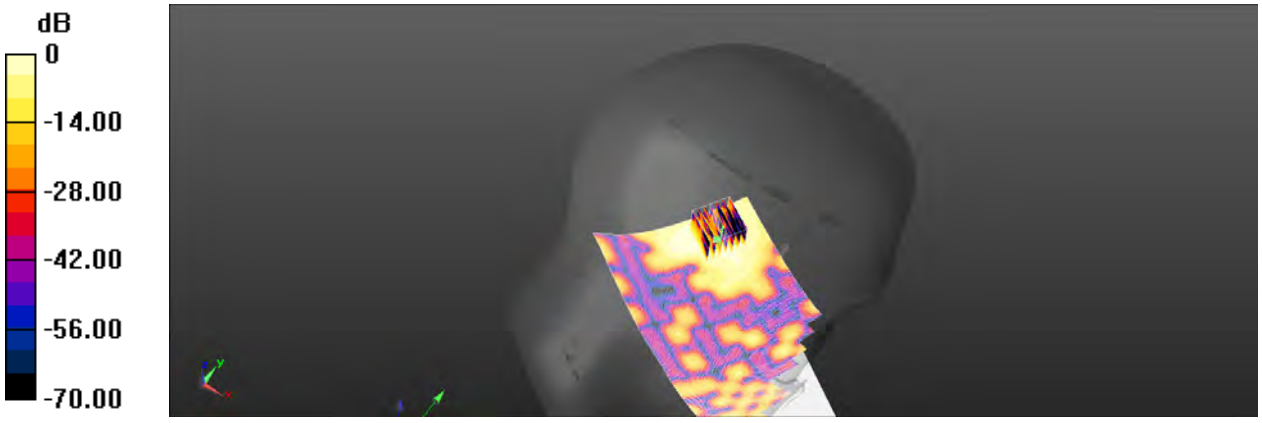
Communication System: WLAN 5G; Frequency: 5570 MHz; Duty cycle= 1:1.022
Medium parameters used: f = 5570 MHz; σ = 5.089 S/m; ε_r = 35.075; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5570 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0710 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.136 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.026 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 = 52.7%
Maximum value of SAR (measured) = 0.0686 W/kg



0 dB = 0.0686 W/kg = -11.64 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Head_Le Tilt_CH 155_Ant8

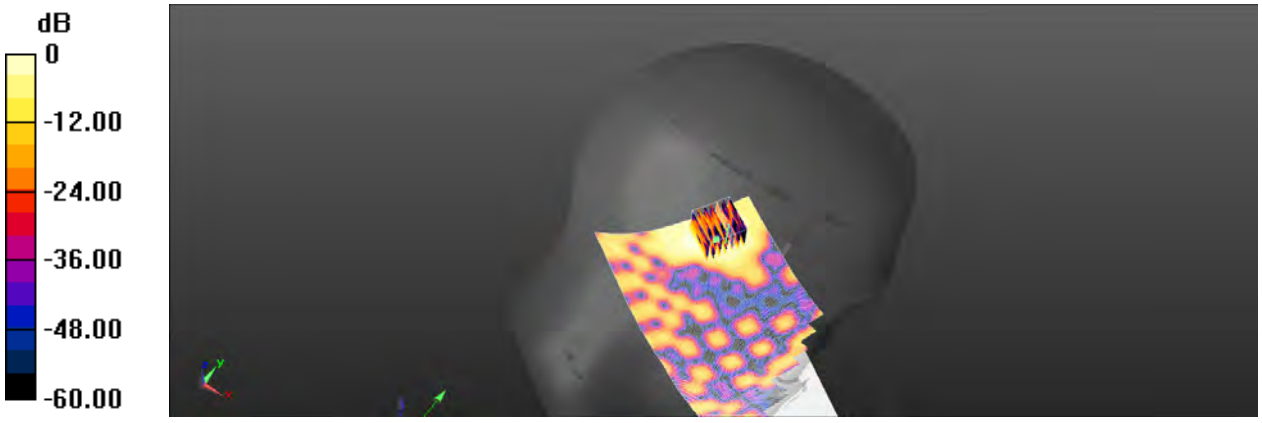
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5775 MHz; σ = 5.347 S/m; ε_r = 34.484; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0839 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.344 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.304 W/kg
SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.028 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 = 52.8%
Maximum value of SAR (measured) = 0.0832 W/kg



0 dB = 0.0832 W/kg = -10.80 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

Bluetooth(GFSK)_Body-worn_Back side_CH 78_15mm_Ant7

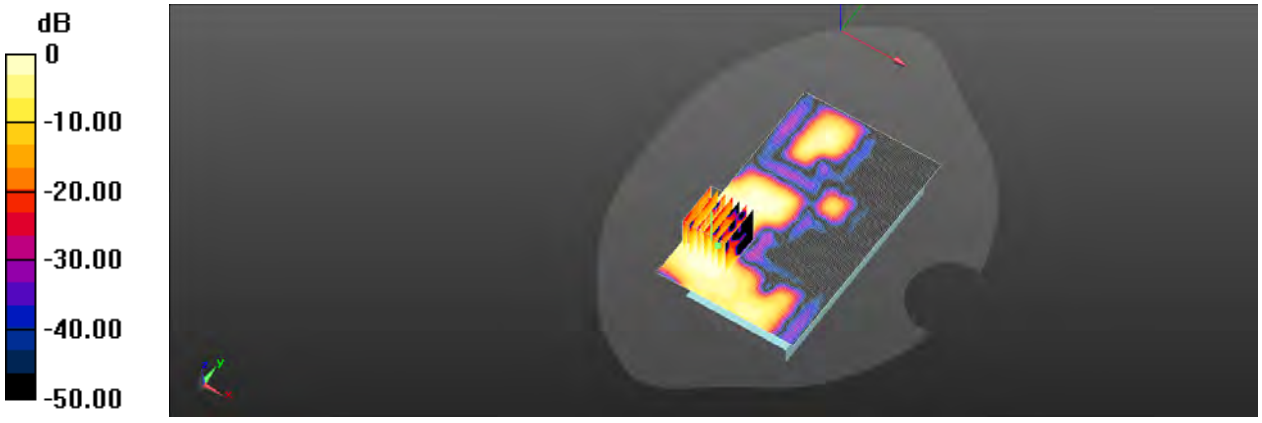
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x131x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0451 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.708 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.0500 W/kg
SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.011 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 = 50%
Maximum value of SAR (measured) = 0.0349 W/kg



0 dB = 0.0349 W/kg = -14.57 dBW/kg

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Date: 2021/3/13

Report No. :EN202120002

WLAN 802.11ac(80M) 5.3G_Body-worn_Back side_CH 58_15mm_Ant7

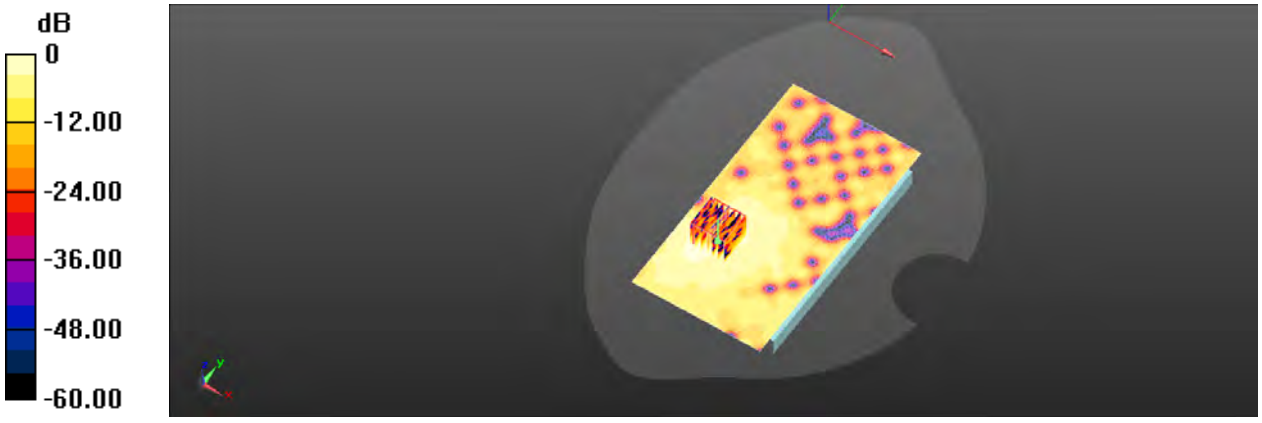
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5290 MHz; σ = 4.787 S/m; ε_r = 34.902; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.172 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.138 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.346 W/kg
SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 49.6%
Maximum value of SAR (measured) = 0.190 W/kg



0 dB = 0.190 W/kg = -7.21 dBW/kg

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Date: 2021/3/14

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Body-worn_Back side_CH 106_15mm_Ant7

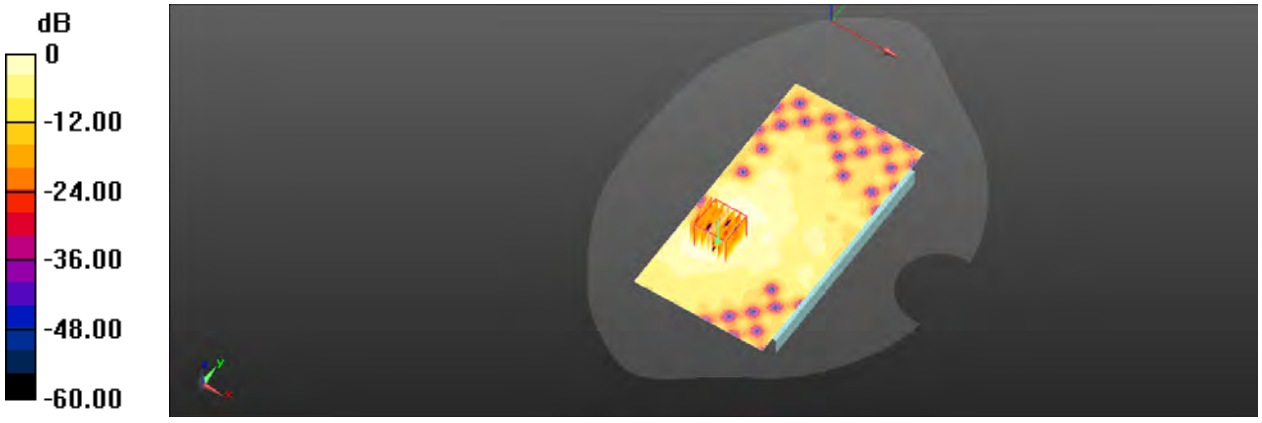
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5530 MHz; σ = 5.072 S/m; ε_r = 34.762; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.394 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.119 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.061 W/kg
Smallest distance from peaks to all points 3 dB below = 8.7 mm
Ratio of SAR at M2 to SAR at M1 = 49.7%
Maximum value of SAR (measured) = 0.336 W/kg



0 dB = 0.336 W/kg = -4.74 dBW/kg

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Date: 2021/3/11

Report No. :EN202120002

Bluetooth(GFSK)_Body-worn_Back side_CH 78_15mm_Ant8

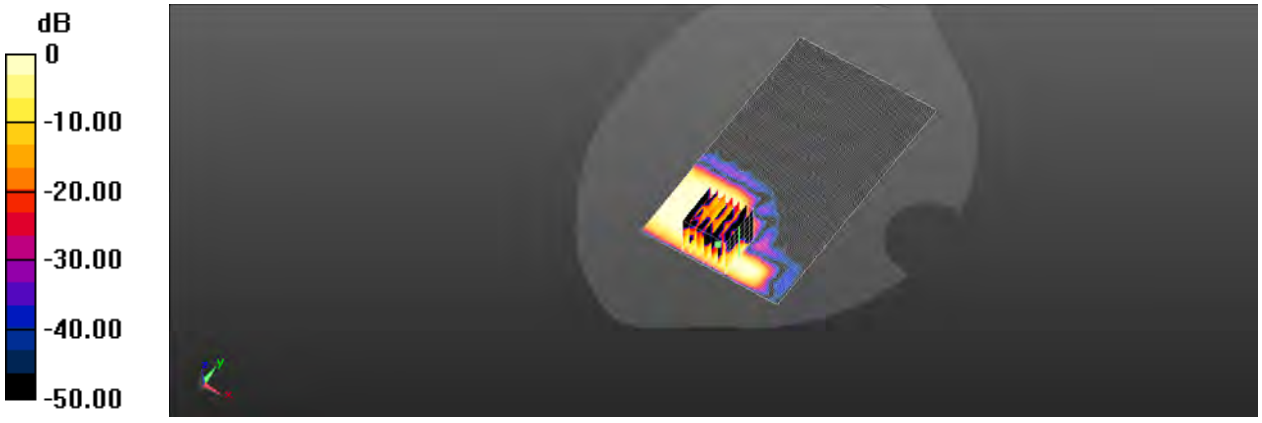
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0196 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.442 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0340 W/kg
SAR(1 g) = 0.007 W/kg; SAR(10 g) = 0.002 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 = 43.7%
Maximum value of SAR (measured) = 0.0131 W/kg



0 dB = 0.0131 W/kg = -18.83 dBW/kg

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Date: 2021/3/13

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Body-worn_Back side_CH 58_15mm_Ant8

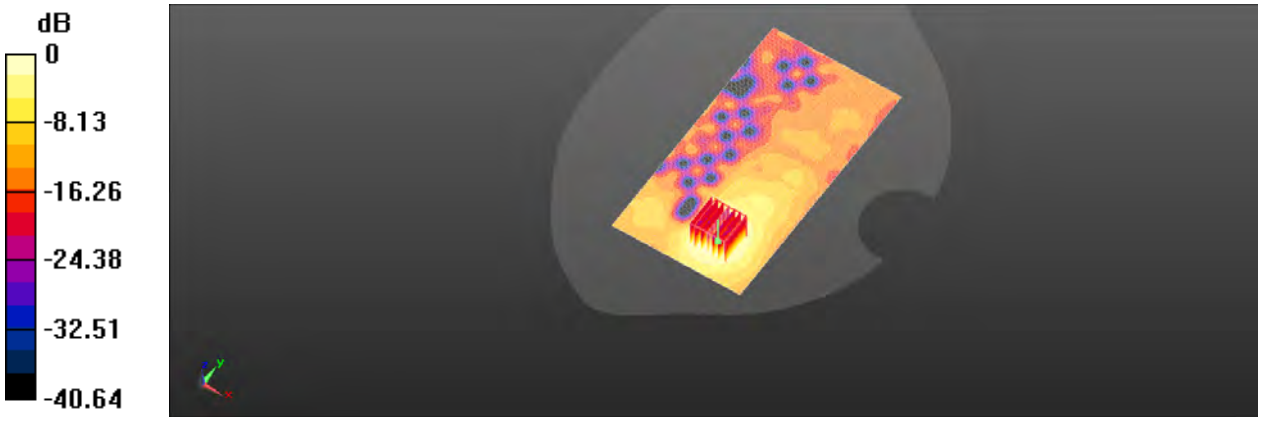
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5290 MHz; σ = 4.787 S/m; ε_r = 34.902; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.652 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.441 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.134 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 54.6%
Maximum value of SAR (measured) = 0.655 W/kg



0 dB = 0.655 W/kg = -1.84 dBW/kg

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Date: 2021/3/14

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Body-worn_Back side_CH 106_15mm_Ant8

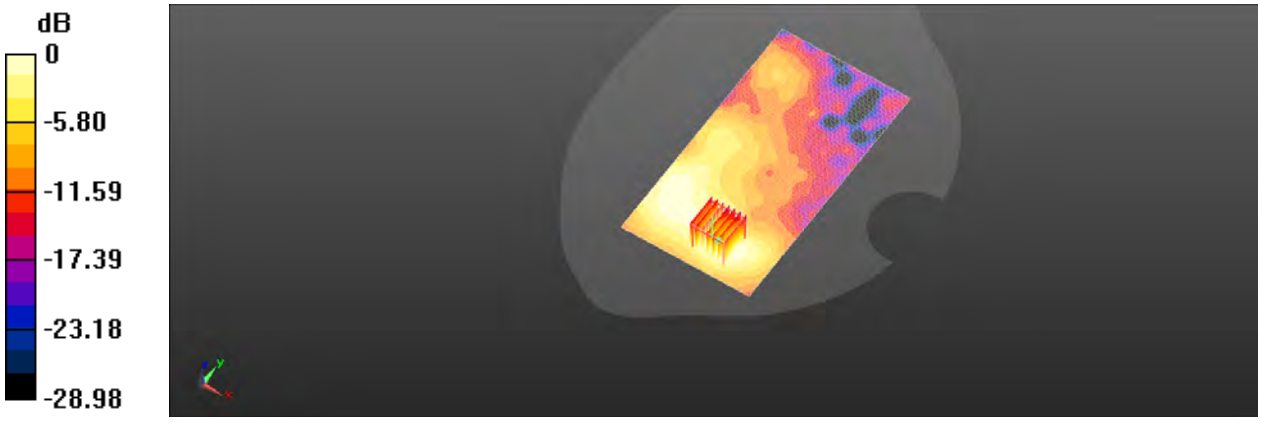
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5530 MHz; σ = 5.072 S/m; ε_r = 34.762; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.564 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.545 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.754 W/kg
SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.184 W/kg
Smallest distance from peaks to all points 3 dB below = 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 78.5%
Maximum value of SAR (measured) = 0.554 W/kg



0 dB = 0.554 W/kg = -2.56 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

WLAN 802.11b_Hotspot_Left side_CH 6_10mm_Ant7

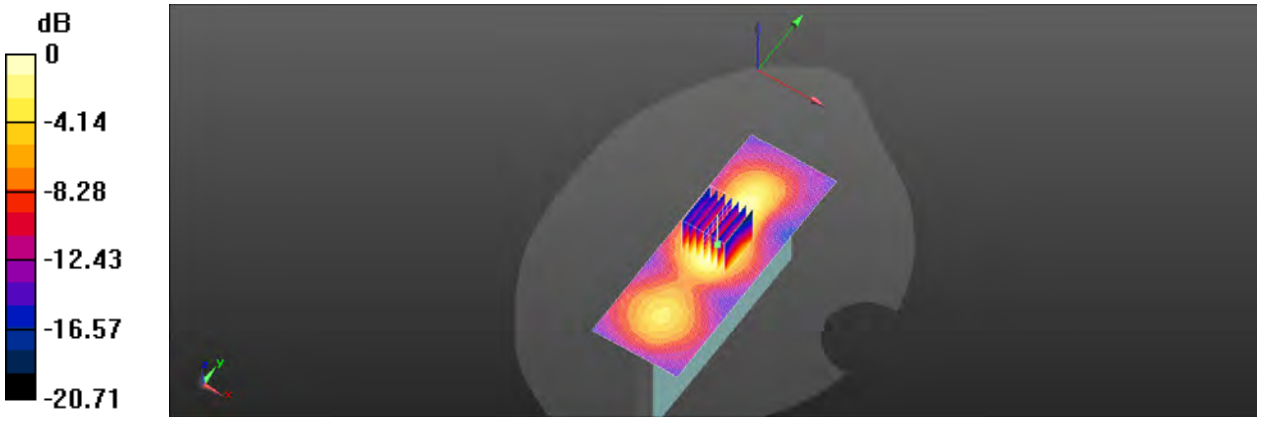
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.041
Medium parameters used: f = 2437 MHz; σ = 1.741 S/m; ε_r = 37.709; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2437 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.377 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.114 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.452 W/kg
SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.125 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 0.352 W/kg



0 dB = 0.352 W/kg = -4.53 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

Bluetooth(GFSK)_ Hotspot _Left side_CH 78_10mm_Ant7

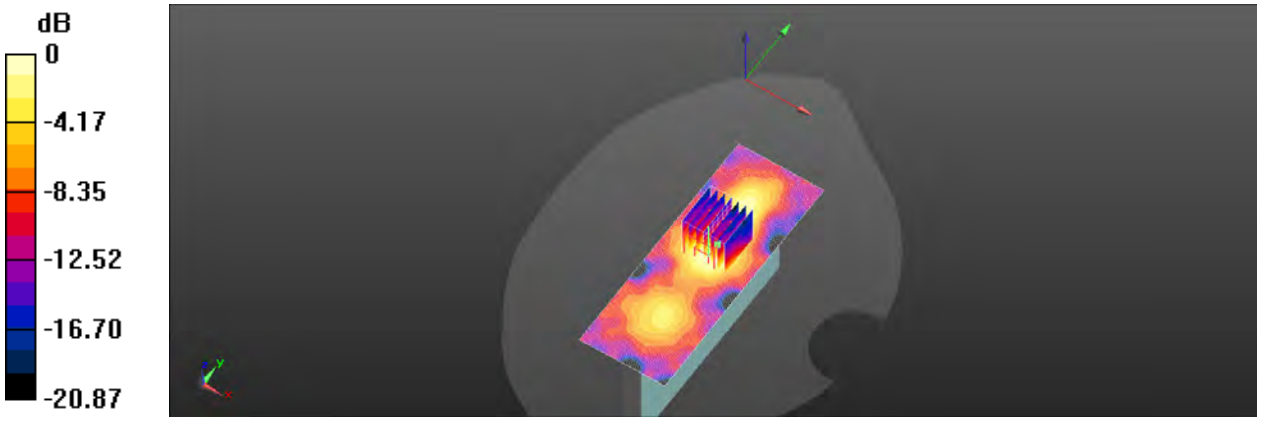
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0898 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.047 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.114 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.029 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 = 53.2%
Maximum value of SAR (measured) = 0.0825 W/kg



0 dB = 0.0825 W/kg = -10.84 dBW/kg

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Date: 2021/3/12

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.2G_ Hotspot _Back side_CH 42_10mm_Ant7

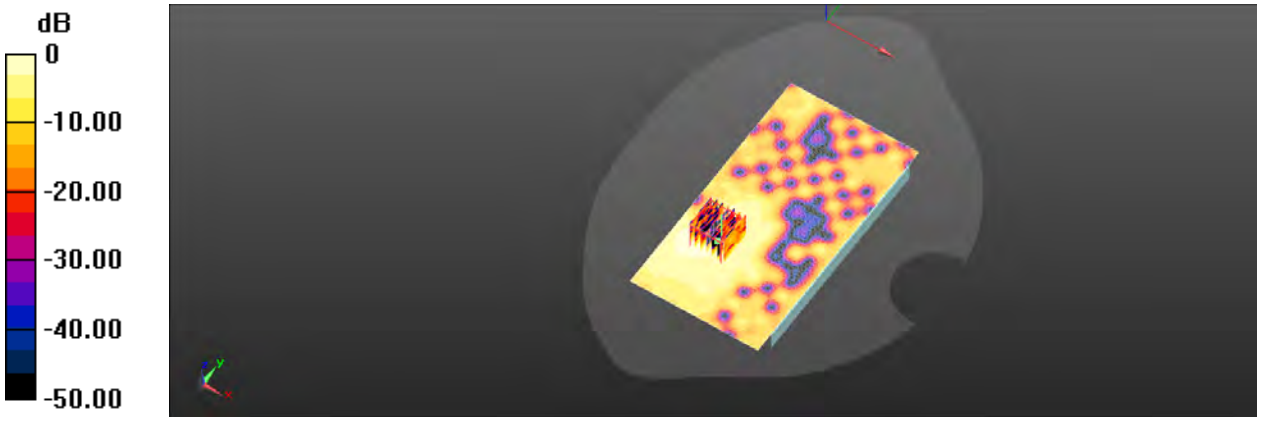
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5210 MHz; σ = 4.695 S/m; ε_r = 35.084; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.120 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.144 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.225 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.019 W/kg
Smallest distance from peaks to all points 3 dB below = 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.127 W/kg



0 dB = 0.127 W/kg = -8.96 dBW/kg

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Date: 2021/3/15

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Hotspot _Left side_CH 155_10mm_Ant7

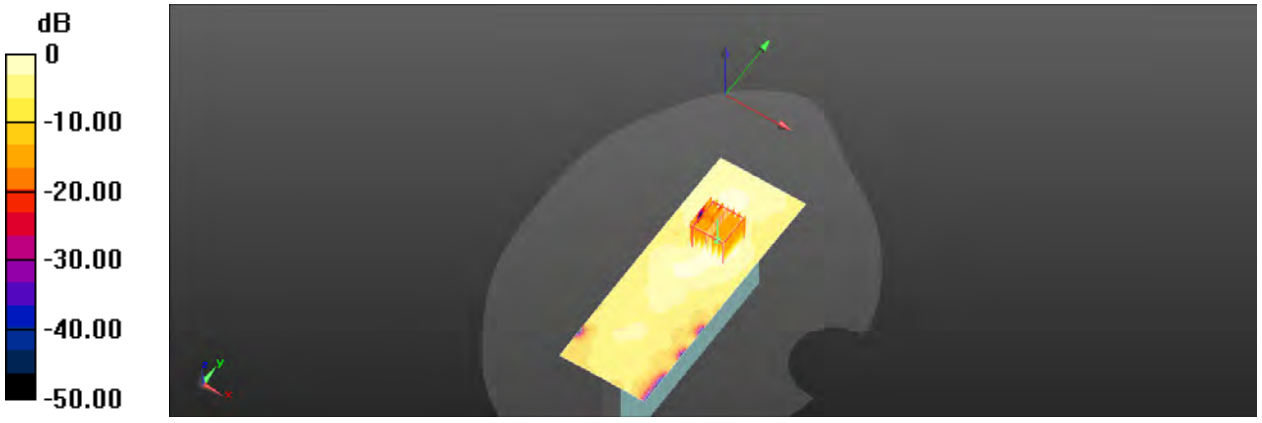
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5775 MHz; σ = 5.359 S/m; ε_r = 34.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.425 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.286 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.785 W/kg
SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.072 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 54.9%
Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg = -4.13 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

WLAN 802.11b_Hotspot_Top side_CH 6_10mm_Ant8

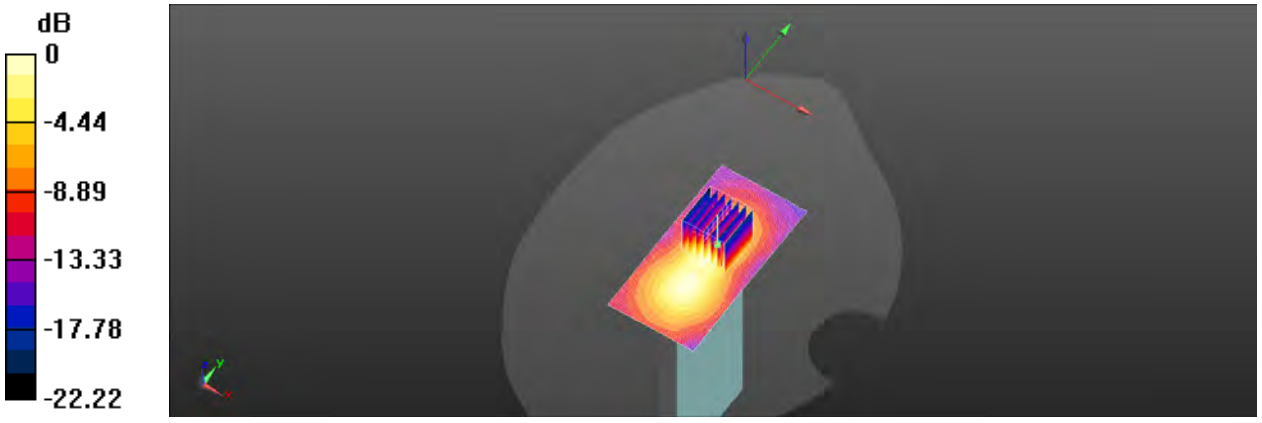
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.028
Medium parameters used: f = 2437 MHz; σ = 1.741 S/m; ε_r = 37.709; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2437 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 0.275 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.277 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.348 W/kg
SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.080 W/kg
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 49.9%
Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.261 W/kg = -5.83 dBW/kg

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Date: 2021/3/11

Report No. : EN/2021/20002

Bluetooth(GFSK)_Hotspot _Top side_CH 78_10mm_Ant8

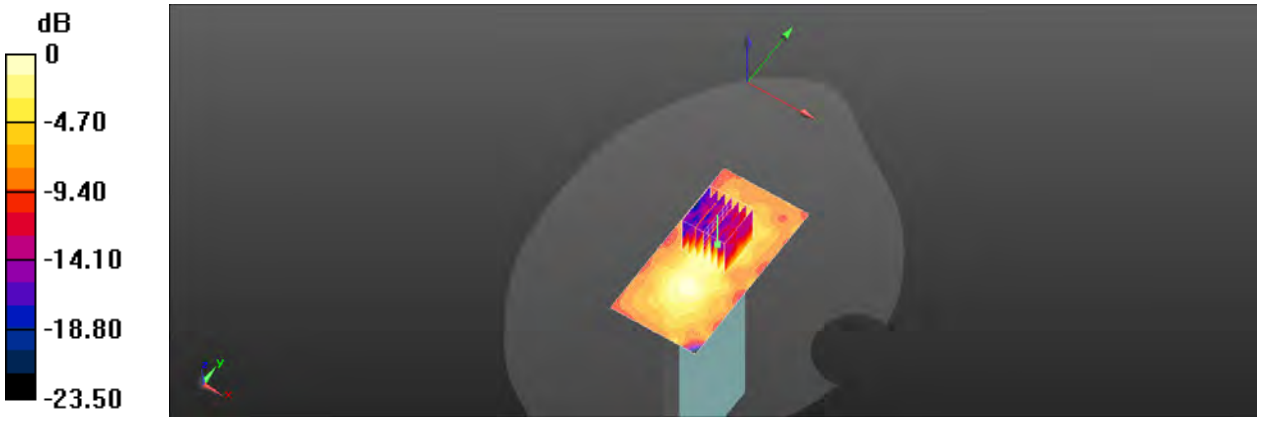
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 0.0450 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.173 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.121 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.014 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 = 45.6%
Maximum value of SAR (measured) = 0.0457 W/kg



0 dB = 0.0457 W/kg = -13.40 dBW/kg

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Date: 2021/3/12

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.2G_Hotspot_Back side_CH 42_10mm_Ant8

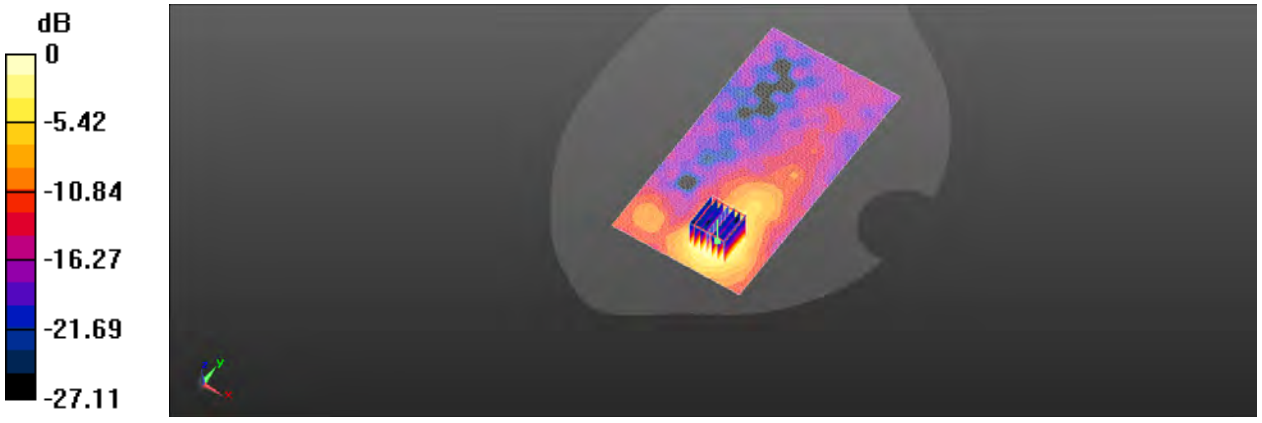
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5210 MHz; σ = 4.695 S/m; ε_r = 35.084; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.852 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.015 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.176 W/kg
Smallest distance from peaks to all points 3 dB below = 10.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.9%
Maximum value of SAR (measured) = 0.849 W/kg



0 dB = 0.849 W/kg = -0.71 dBW/kg

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Date: 2021/3/15

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.8G_Hotspot _Back side_CH 155_10mm_Ant8

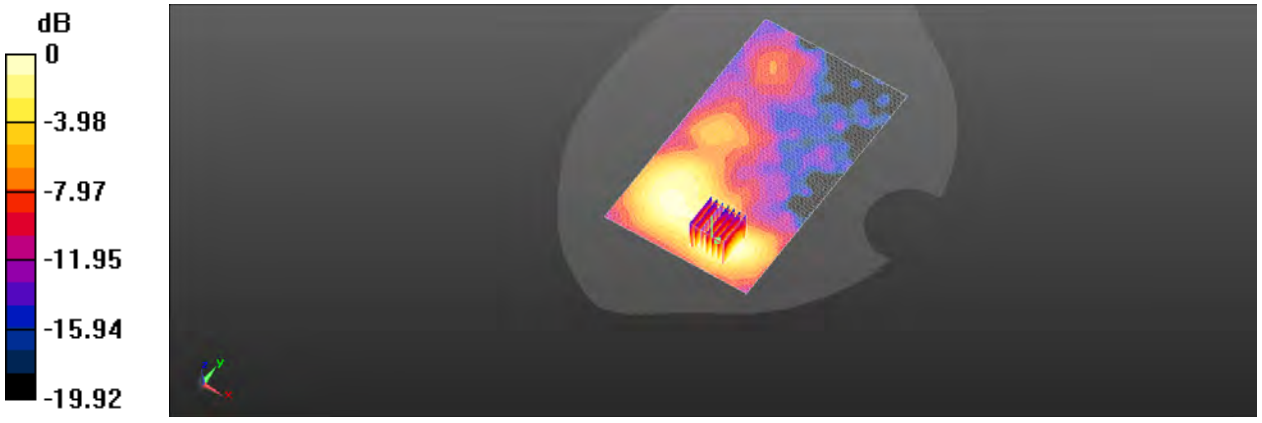
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5775 MHz; σ = 5.359 S/m; ε_r = 34.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.571 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.499 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.672 W/kg
SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.189 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 81%
Maximum value of SAR (measured) = 0.541 W/kg



0 dB = 0.541 W/kg = -2.67 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

Bluetooth(GFSK)_Product specific 10-g SAR_Left side_CH 78_0mm_Ant7

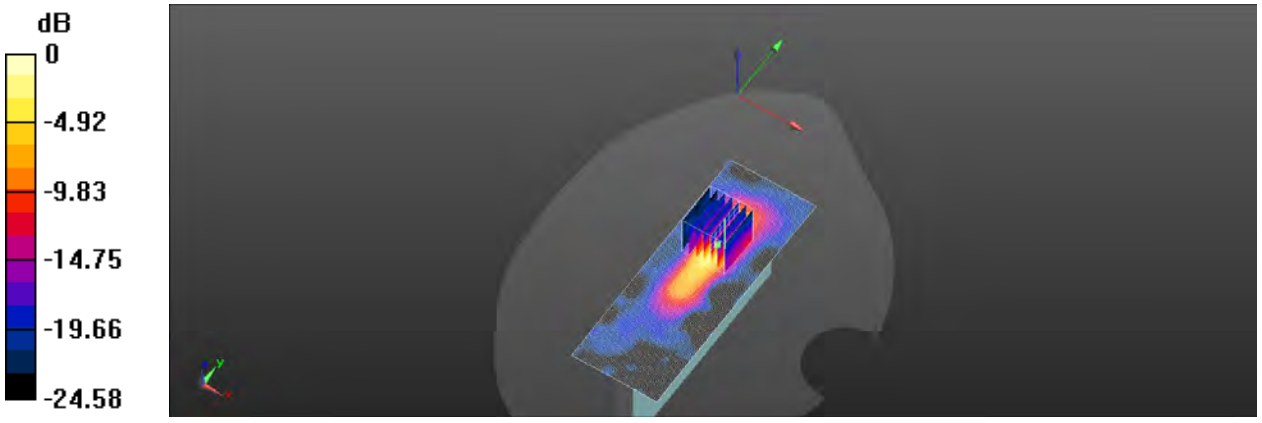
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x141x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.308 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.379 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.754 W/kg
SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.104 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 32.6%
Maximum value of SAR (measured) = 0.387 W/kg



0 dB = 0.387 W/kg = -4.12 dBW/kg

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Date: 2021/3/13

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Product specific 10-g SAR_Back side_CH 58_0mm_Ant7

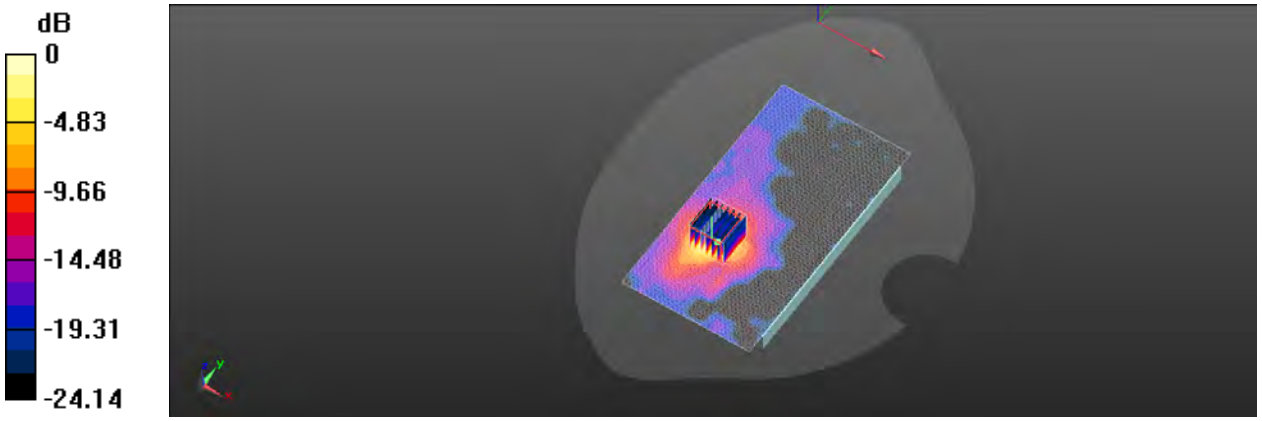
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5290 MHz; σ = 4.787 S/m; ε_r = 34.902; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.33 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.129 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 3.90 W/kg
SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.221 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 51.7%
Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.67 W/kg = 2.23 dBW/kg

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Date: 2021/3/14

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Product specific 10-g SAR_Back side_CH 106_0mm_Ant7

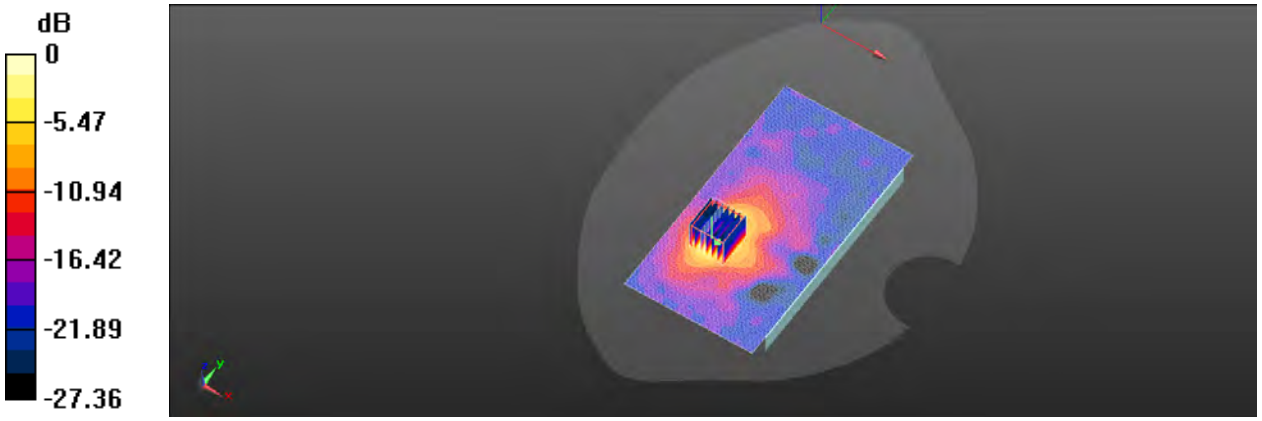
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.01
Medium parameters used: f = 5530 MHz; σ = 5.072 S/m; ε_r = 34.762; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.47 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.881 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 7.48 W/kg
SAR(1 g) = 1.46 W/kg; SAR(10 g) = 0.409 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 50.6%
Maximum value of SAR (measured) = 3.02 W/kg



0 dB = 3.02 W/kg = 4.80 dBW/kg

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Date: 2021/3/11

Report No. :EN/2021/20002

Bluetooth(GFSK)_Product specific 10-g SAR_Top side_CH 78_0mm_Ant8

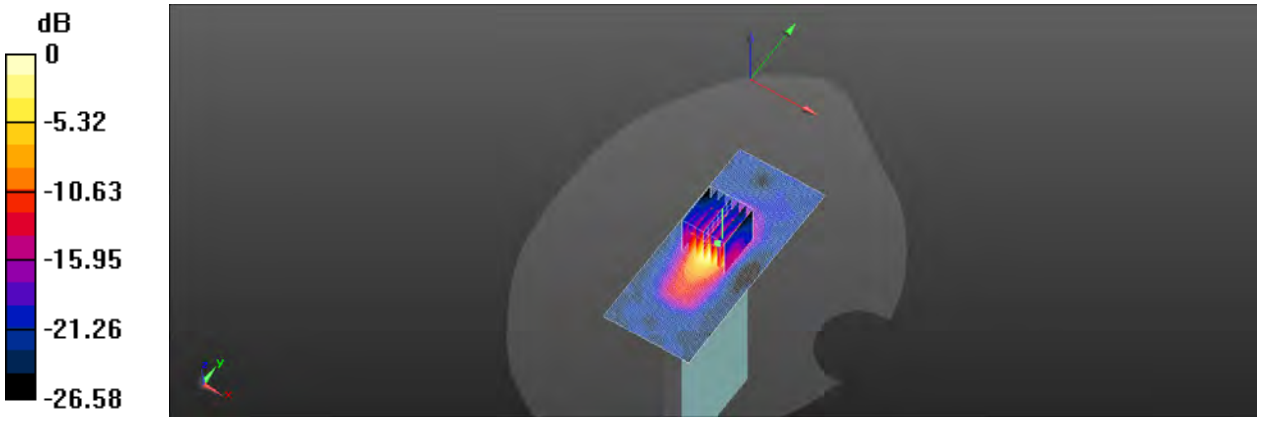
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.044
Medium parameters used: f = 2480 MHz; σ = 1.775 S/m; ε_r = 37.609; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2480 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 1.29 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.614 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.199 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 38.8%
Maximum value of SAR (measured) = 1.11 W/kg



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

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Date: 2021/3/13

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.3G_Product specific 10-g SAR_Back side_CH 58_0mm_Ant8

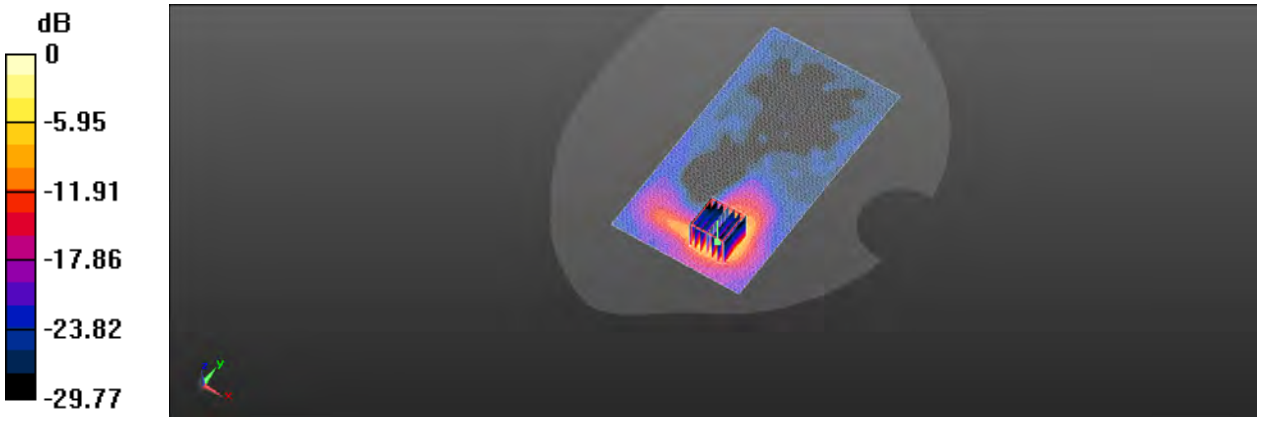
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5290 MHz; σ = 4.787 S/m; ε_r = 34.902; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 5.02 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.791 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 3.15 W/kg; SAR(10 g) = 0.776 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 52%
Maximum value of SAR (measured) = 7.41 W/kg



0 dB = 7.41 W/kg = 8.70 dBW/kg

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Date: 2021/3/14

Report No. :EN/2021/20002

WLAN 802.11ac(80M) 5.6G_Product specific 10-g SAR_Back side_CH 106_0mm_Ant8

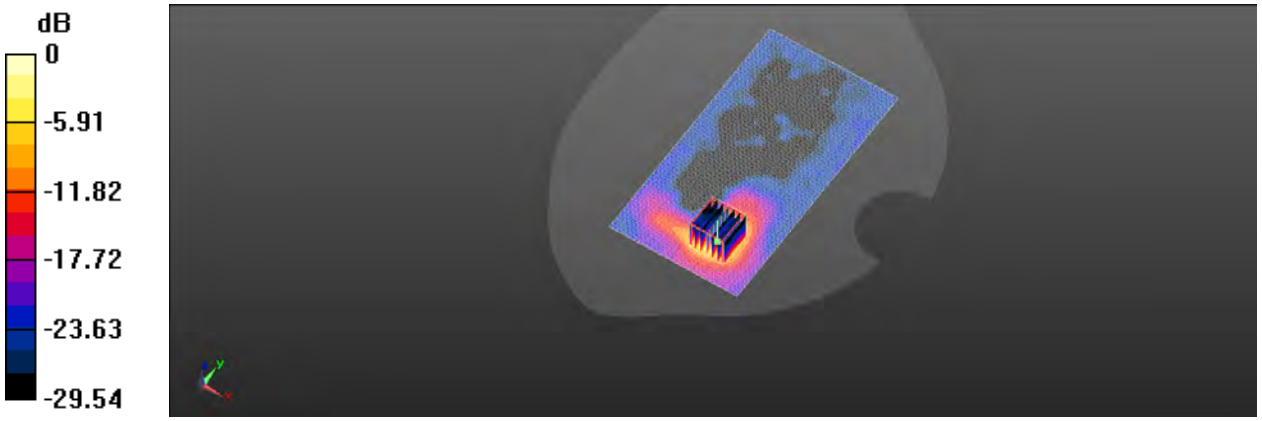
Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.015
Medium parameters used: f = 5530 MHz; σ = 5.072 S/m; ε_r = 34.762; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x171x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 4.75 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.687 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 2.93 W/kg; SAR(10 g) = 0.722 W/kg
Smallest distance from peaks to all points 3 dB below = 4.3 mm
Ratio of SAR at M2 to SAR at M1 = 48.2%
Maximum value of SAR (measured) = 7.33 W/kg



0 dB = 7.33 W/kg = 8.65 dBW/kg

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6. SAR System Performance Verification

Date:2021/3/18

Report No. :EN/2021/20002

Dipole 750 MHz_SN:1015

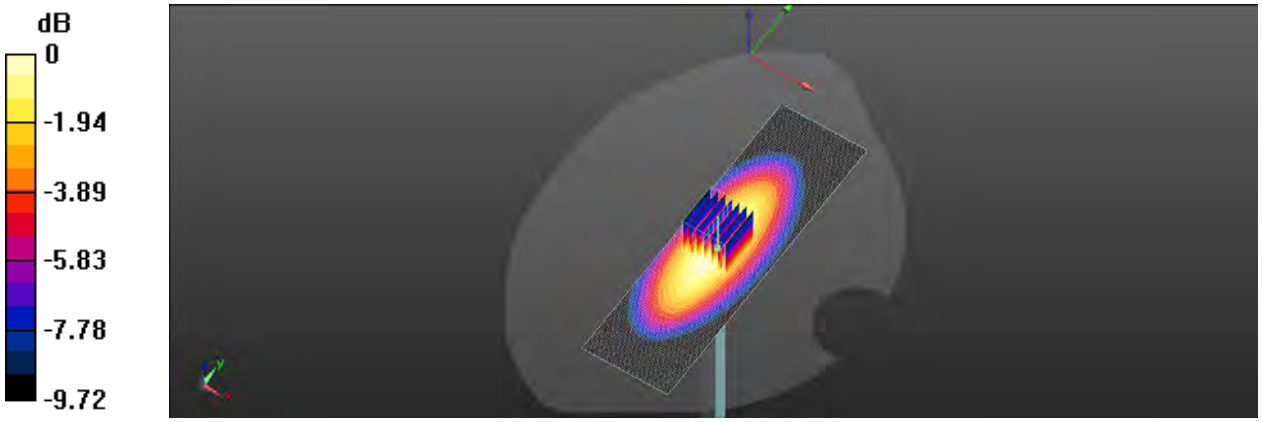
Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1
Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 42.952; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

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 DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x141x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.61 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.11 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.08 W/kg
SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.41 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 = 68.6%
Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.64 W/kg = 4.22 dBW/kg

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Date: 2021/3/23

Report No. :EN/2021/20002

Dipole 750 MHz_SN:1015

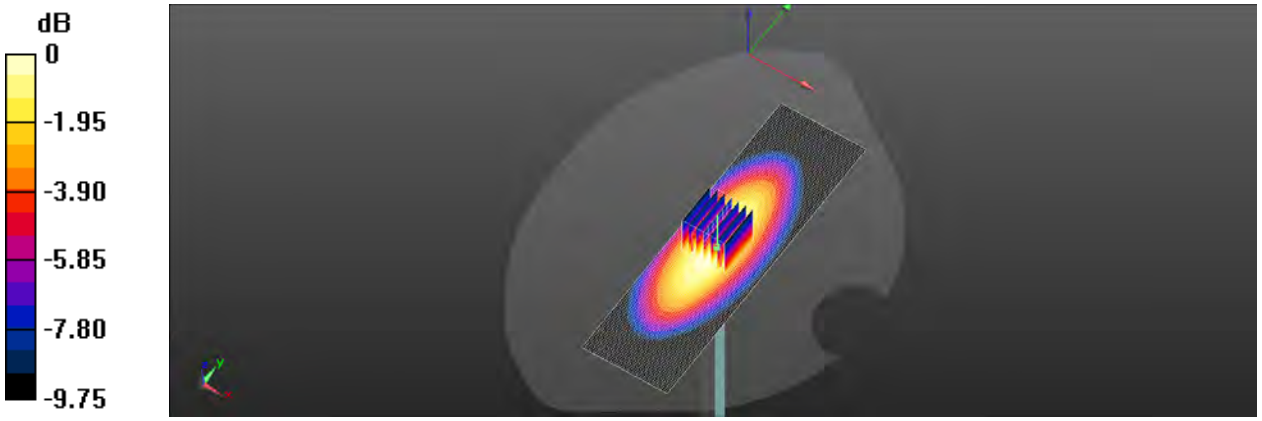
Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1
Medium parameters used: f = 750 MHz; σ = 0.904 S/m; ε_r = 43.643; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x141x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.51 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.98 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.43 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 = 68.4%
Maximum value of SAR (measured) = 2.56 W/kg



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

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Date:2021/3/19

Report No. :EN/2021/20002

Dipole 835 MHz_SN:4d063

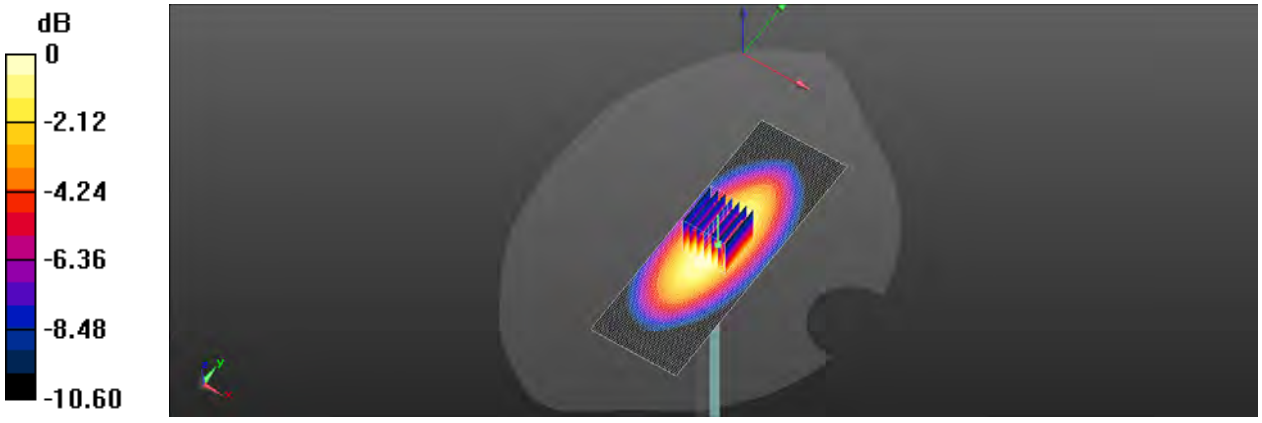
Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.913 S/m; ε_r = 42.785; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.94 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.55 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.51 W/kg
Smallest distance from peaks to all points 3 dB below = 16.6 mm
Ratio of SAR at M2 to SAR at M1 = 66.8%
Maximum value of SAR (measured) = 2.95 W/kg



0 dB = 2.95 W/kg = 4.70 dBW/kg

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Date: 2021/3/24

Report No. :EN/2021/20002

Dipole 835 MHz_SN:4d063

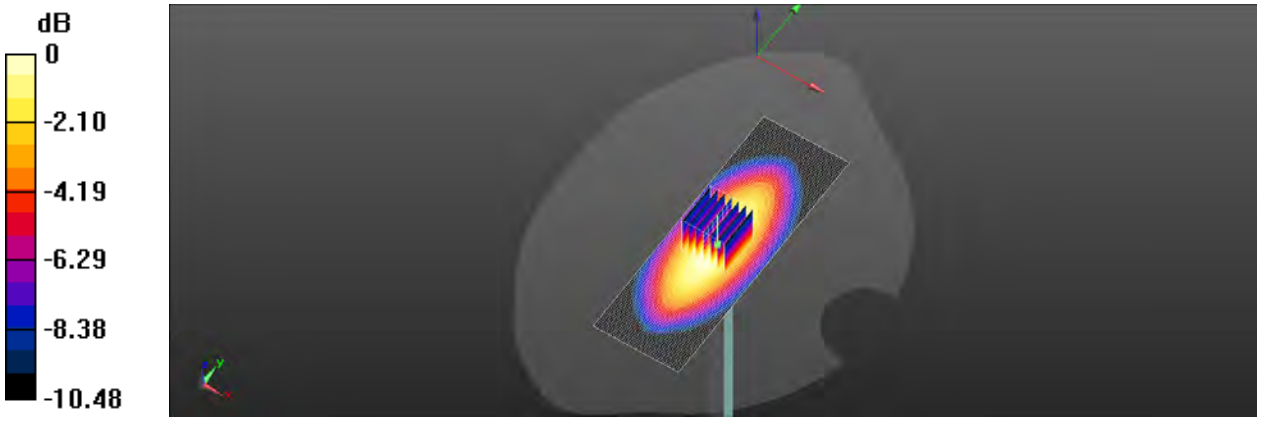
Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.924 S/m; ε_r = 42.801; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.79 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 75.49 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.27 W/kg
SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.63 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 = 67.3%
Maximum value of SAR (measured) = 2.78 W/kg



0 dB = 2.78 W/kg = 4.44 dBW/kg

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Date: 2021/3/25

Report No. :EN/2021/20002

Dipole 835 MHz_SN 4d063

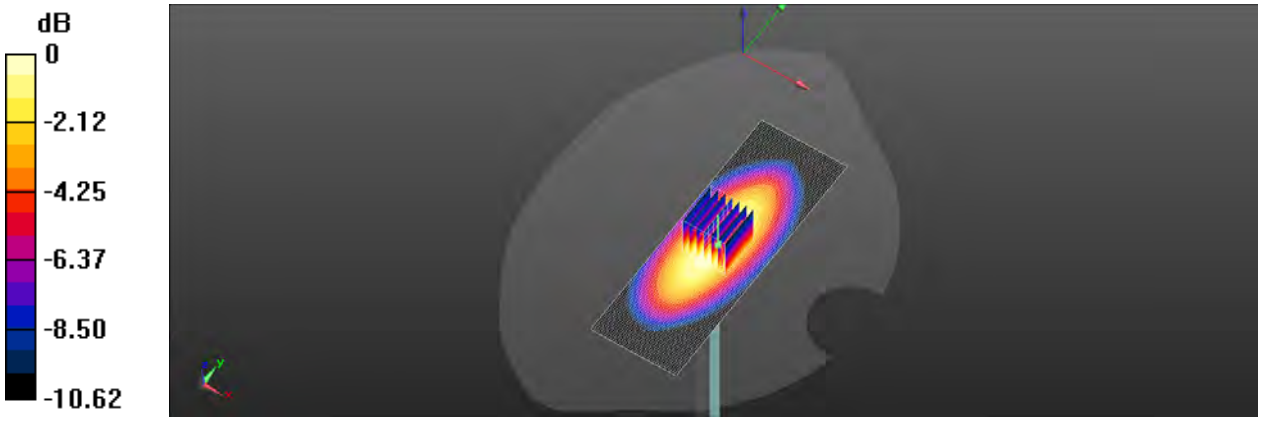
Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.862 S/m; ε_r = 42.758; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.84 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.96 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.57 W/kg
Smallest distance from peaks to all points 3 dB below = 16.5 mm
Ratio of SAR at M2 to SAR at M1 = 66.4%
Maximum value of SAR (measured) = 2.85 W/kg



0 dB = 2.85 W/kg = 4.55 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

Dipole 1750 MHz_SN:1008

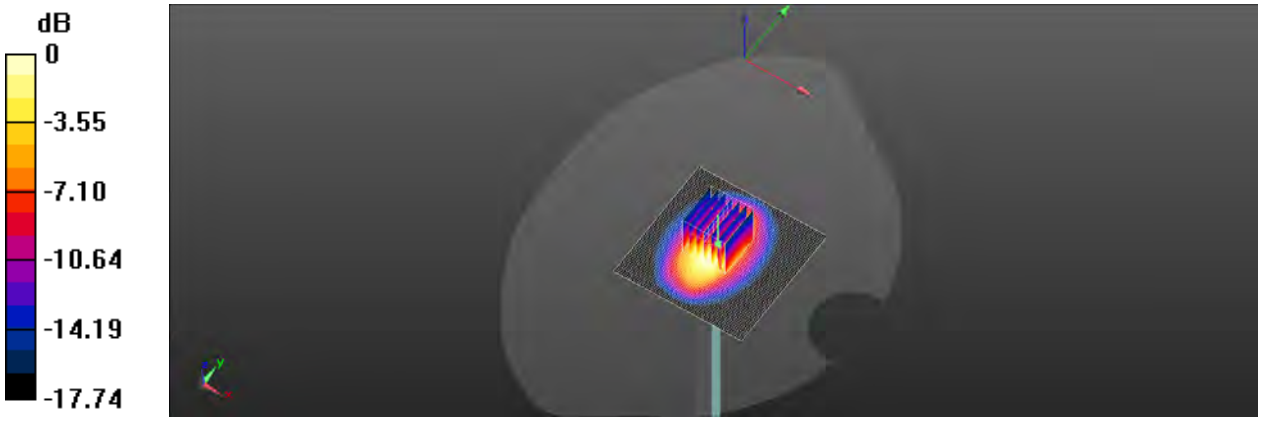
Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1
Medium parameters used: f = 1750 MHz; σ = 1.324 S/m; ε_r = 40.979; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.76 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 8.91 W/kg; SAR(10 g) = 4.65 W/kg
Smallest distance from peaks to all points 3 dB below = 10.6 mm
Ratio of SAR at M2 to SAR at M1 = 53.9%
Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 12.8 W/kg = 11.07 dBW/kg

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Date: 2021/3/26

Report No. :EN/2021/20002

Dipole 1750 MHz_SN:1008

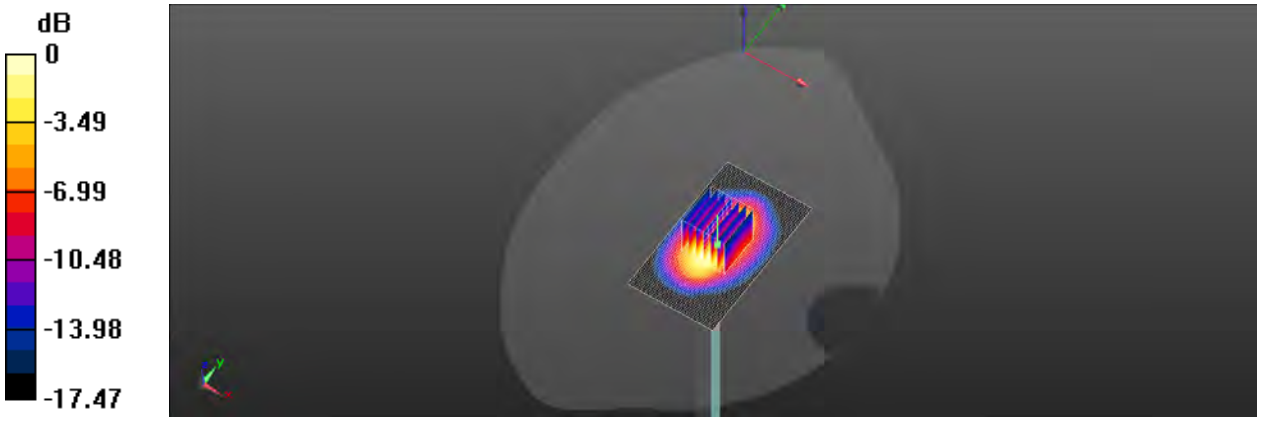
Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1
Medium parameters used: f = 1750 MHz; σ = 1.321 S/m; ε_r = 41.668; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.48 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 15.7 W/kg
SAR(1 g) = 8.84 W/kg; SAR(10 g) = 4.79 W/kg
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 54.5%
Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

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Date:2021/3/20

Report No. :EN/2021/20002

Dipole 1900 MHz_SN:5d173

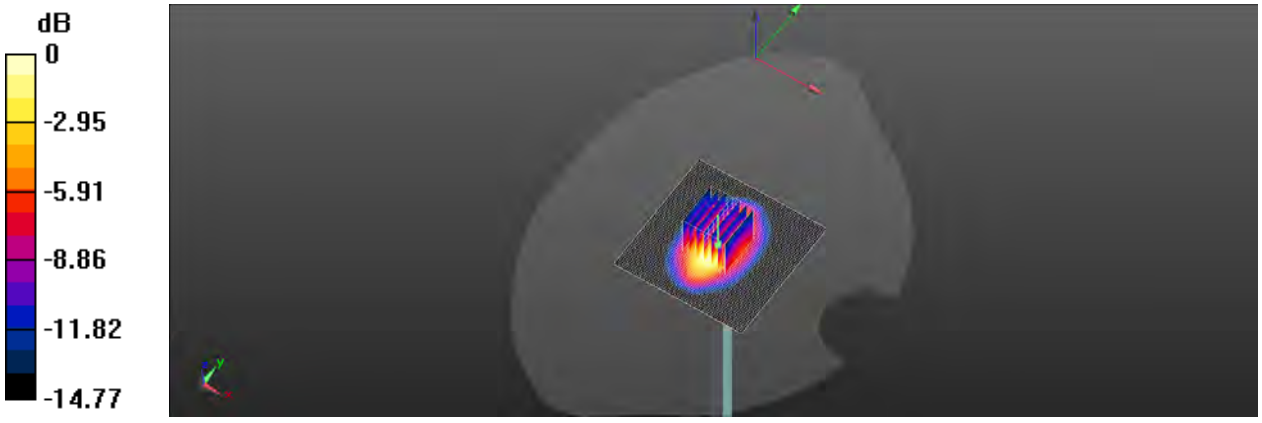
Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.454 S/m; ε_r = 40.349; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 13.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.22 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 16.3 W/kg
SAR(1 g) = 9.55 W/kg; SAR(10 g) = 5.18 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 59.1%
Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

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Date: 2021/3/27

Report No. :EN/2021/20002

Dipole 1900 MHz_SN:5d173

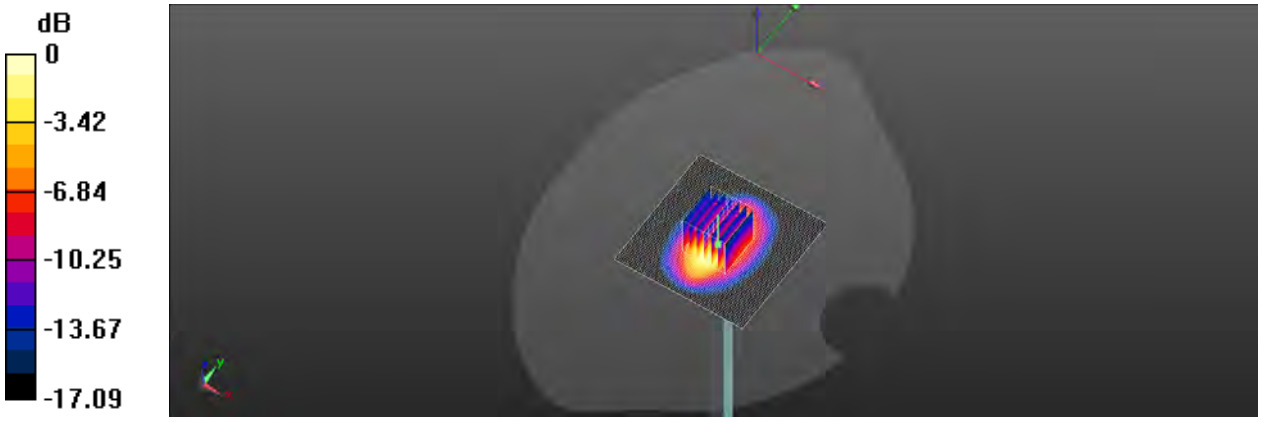
Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.451 S/m; ε_r = 41.046; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.5°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 14.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.4 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 9.9 W/kg; SAR(10 g) = 5.16 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 55.4%
Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg = 11.55 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

Dipole 2300 MHz_SN:1023

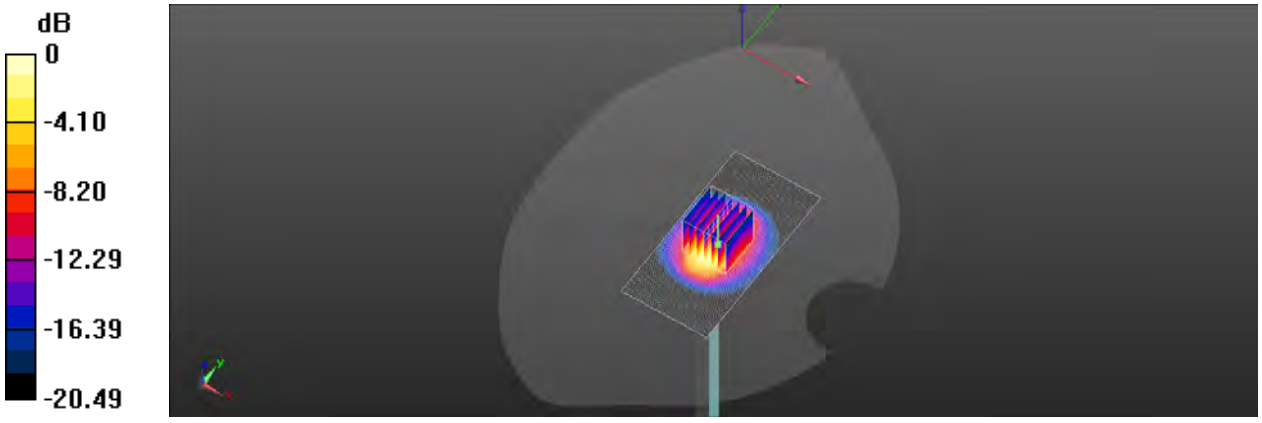
Communication System: CW; Frequency: 2300 MHz; Duty cycle= 1:1
Medium parameters used: f = 2300 MHz; σ = 1.683 S/m; ε_r = 39.434; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 22.0°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 17.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 116.2 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 22.1 W/kg
SAR(1 g) = 11.9 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 = 52.2%
Maximum value of SAR (measured) = 16.6 W/kg



0 dB = 16.6 W/kg = 12.20 dBW/kg

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Date: 2021/3/26

Report No. :EN/2021/20002

Dipole 2300 MHz_SN:1023

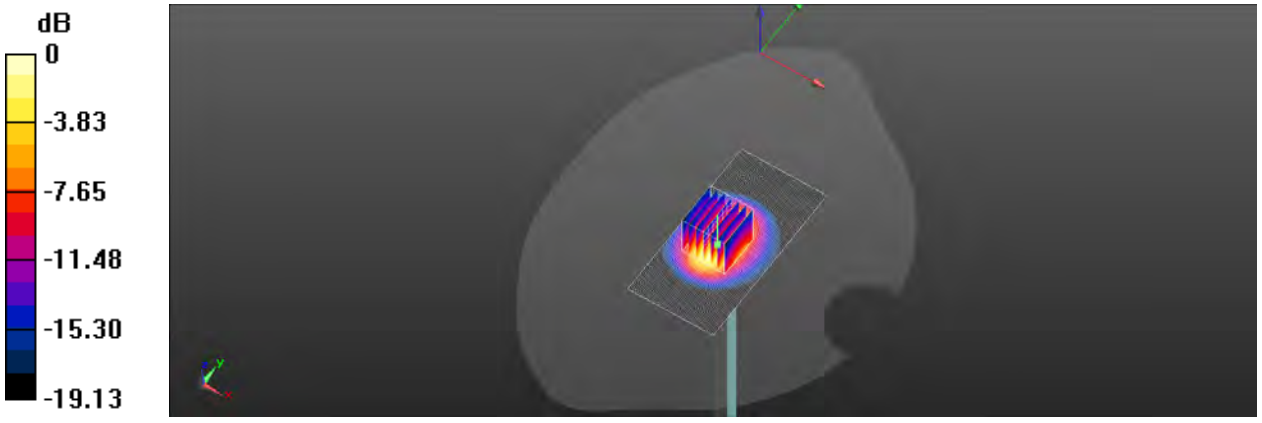
Communication System: CW; Frequency: 2300 MHz; Duty cycle= 1:1
Medium parameters used: f = 2300 MHz; σ = 1.682 S/m; ε_r = 39.601; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 17.9 W/kg

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) = 22.5 W/kg
SAR(1 g) = 12 W/kg; SAR(10 g) = 6.03 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 54.2%
Maximum value of SAR (measured) = 17.3 W/kg



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

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Date: 2021/3/11

Report No. :EN/2021/20002

Dipole 2450 MHz_SN:727

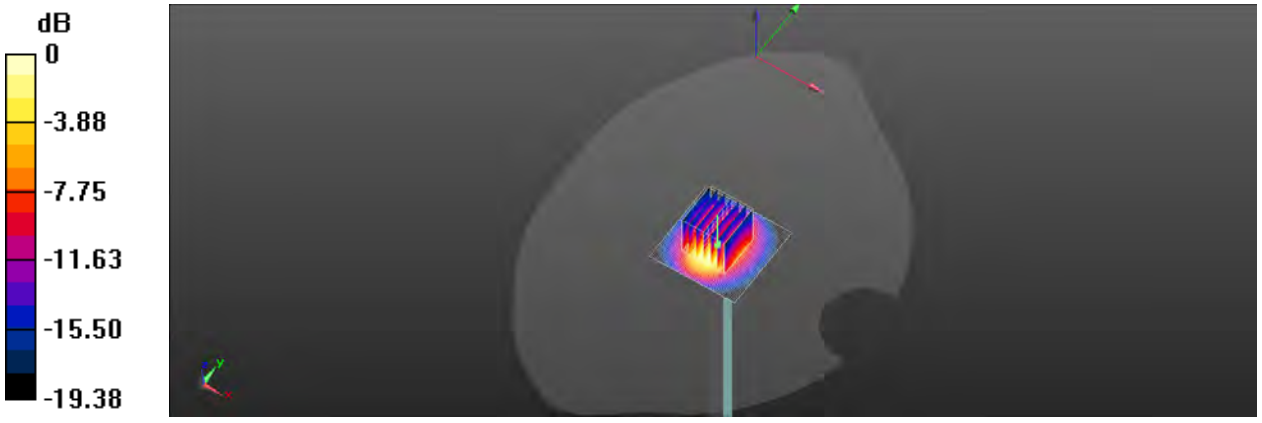
Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1
Medium parameters used: f = 2450 MHz; σ = 1.755 S/m; ε_r = 37.655; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2450 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): 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 = 109.7 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 24.0 W/kg
SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.49 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 53.2%
Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg = 12.67 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

Dipole 2450 MHz_SN:835

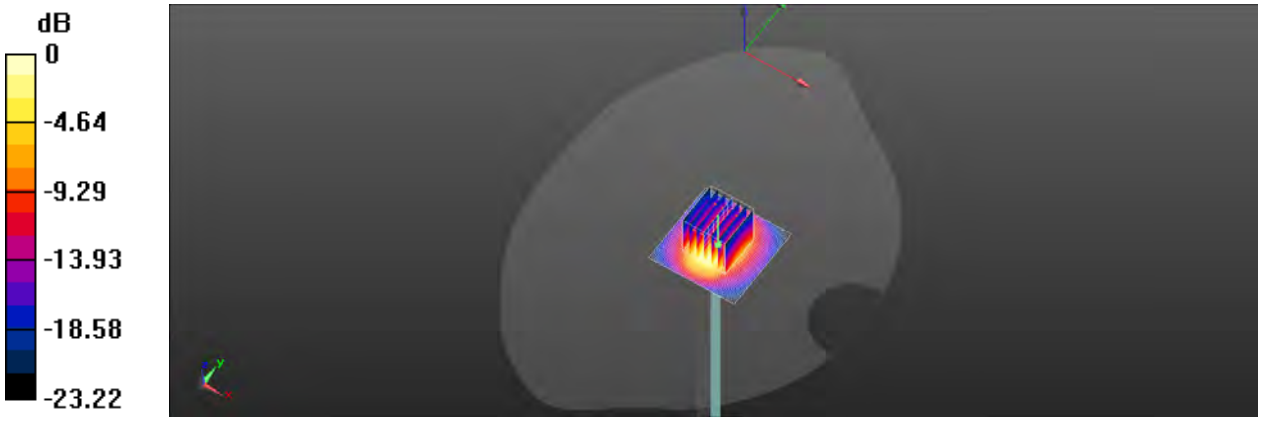
Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1
Medium parameters used: f = 2450 MHz; σ = 1.775 S/m; ε_r = 38.386; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.4, 7.4, 7.4) @ 2437 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 23.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.6 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 30.3 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.99 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 46.4%
Maximum value of SAR (measured) = 22.0 W/kg



0 dB = 22.0 W/kg = 13.42 dBW/kg

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Date:2021/3/21

Report No. :EN/2021/20002

Dipole 2600 MHz_SN:1005

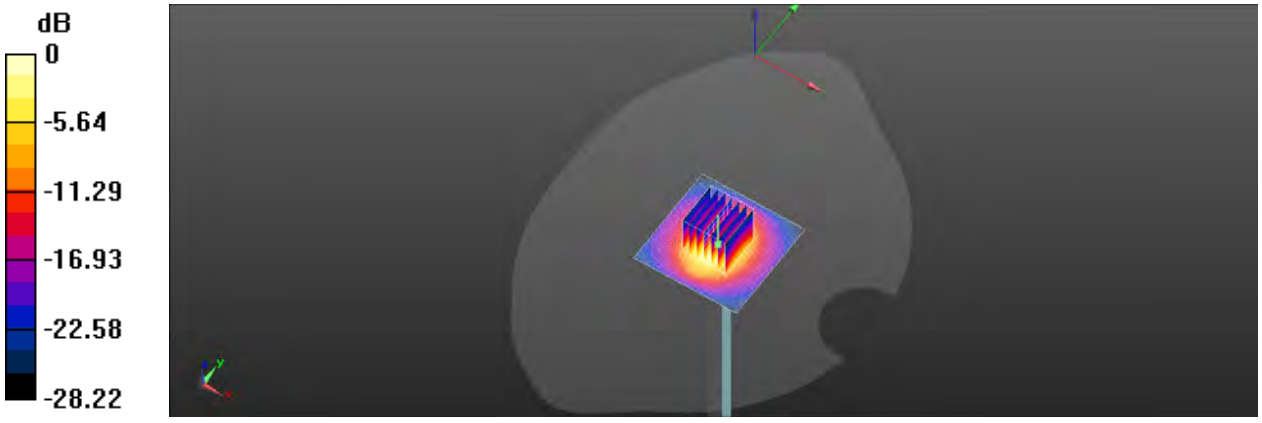
Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.944 S/m; ε_r = 37.369; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.6°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 20.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 138.6 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 29.3 W/kg
SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.55 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 40.1%
Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 19.9 W/kg = 12.99 dBW/kg

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Date: 2021/3/28

Report No. :EN/2021/20002

Dipole 2600 MHz_SN:1005

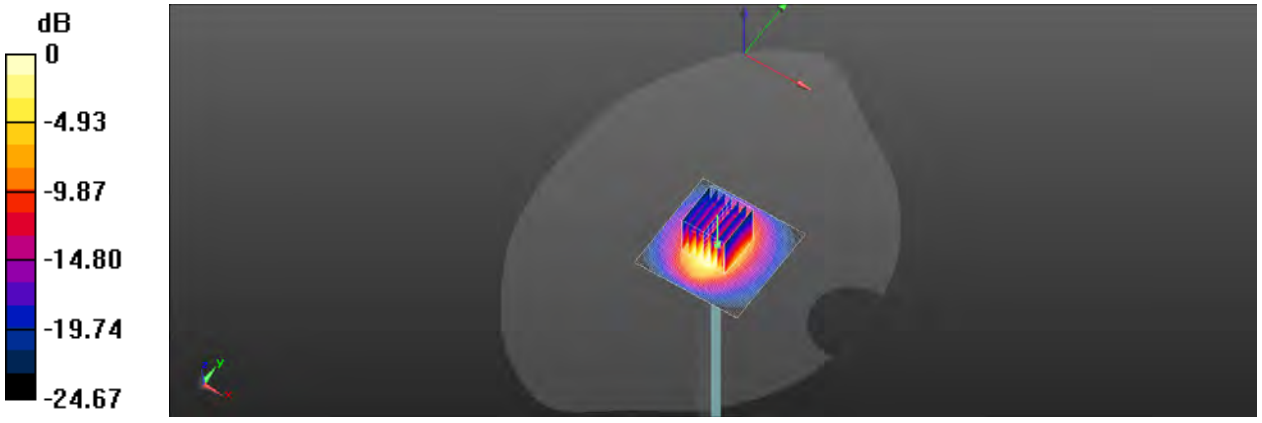
Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.944 S/m; ε_r = 37.355; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.8°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 24.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.6 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 34.0 W/kg
SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.69 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 44.5%
Maximum value of SAR (measured) = 24.2 W/kg



0 dB = 24.2 W/kg = 13.84 dBW/kg

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Date: 2021/3/29

Report No. : EN/2021/20002

Dipole 2600 MHz_SN:1005

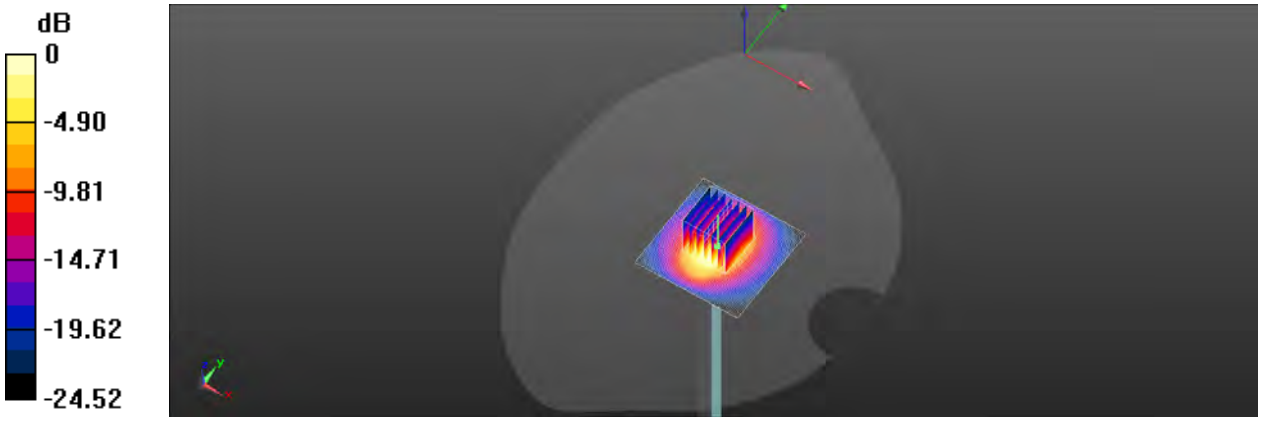
Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.966 S/m; ε_r = 37.353; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 22.1°C

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 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 22.7 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 115.8 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 31.8 W/kg
SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.74 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 44.9%
Maximum value of SAR (measured) = 22.7 W/kg



0 dB = 22.7 W/kg = 13.56 dBW/kg

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Date:2021/3/22

Report No. :EN/2021/20002

Dipole 3500 MHz_SN:1009

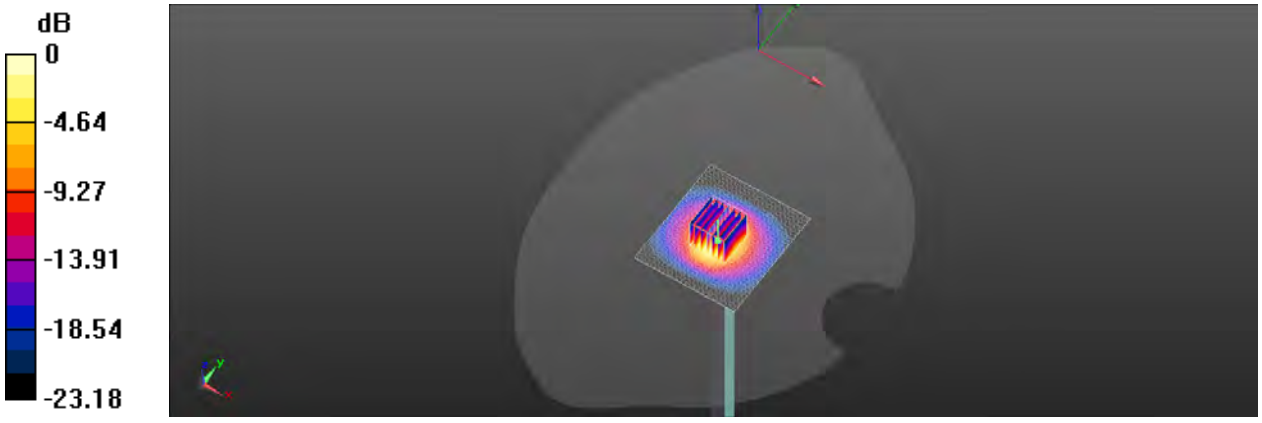
Communication System: CW; Frequency: 3500 MHz; Duty cycle= 1:1
Medium parameters used: f = 3500 MHz; σ = 2.901 S/m; ε_r = 37.004; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.7, 6.7, 6.7) @ 3500 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 12.3 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 65.68 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 16.1 W/kg
SAR(1 g) = 6.53 W/kg; SAR(10 g) = 2.53 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 68.5%
Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 11.0 W/kg = 10.41 dBW/kg

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Date: 2021/3/30

Report No. :EN/2021/20002

Dipole 3500 MHz_SN:1009

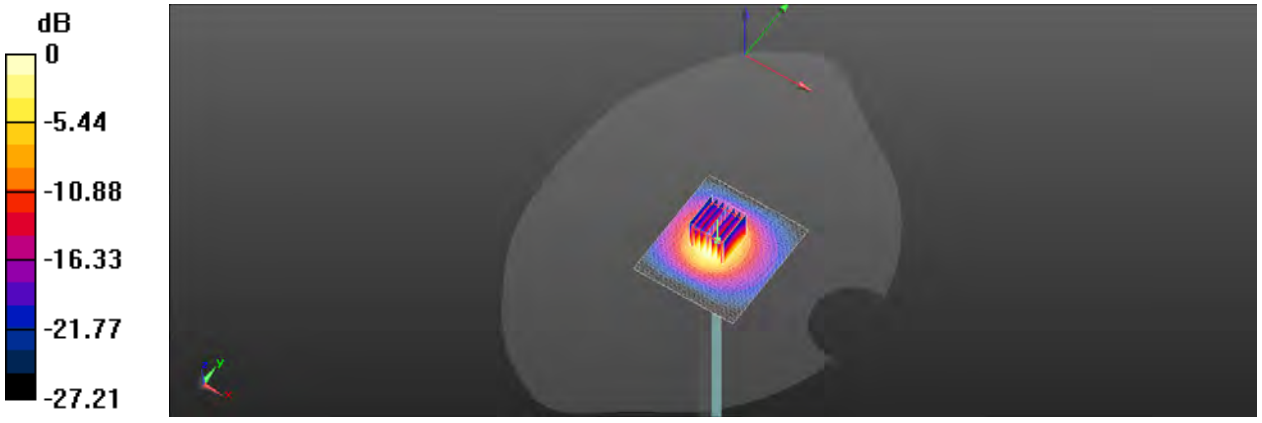
Communication System: CW; Frequency: 3500 MHz; Duty cycle= 1:1
Medium parameters used: f = 3500 MHz; σ = 2.929 S/m; ε_r = 37.33; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.7, 6.7, 6.7) @ 3500 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 12.5 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 60.82 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 6.9 W/kg; SAR(10 g) = 2.62 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 64.8%
Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

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Date:2021/3/22

Report No. :EN/2021/20002

Dipole 3700 MHz_SN:1057

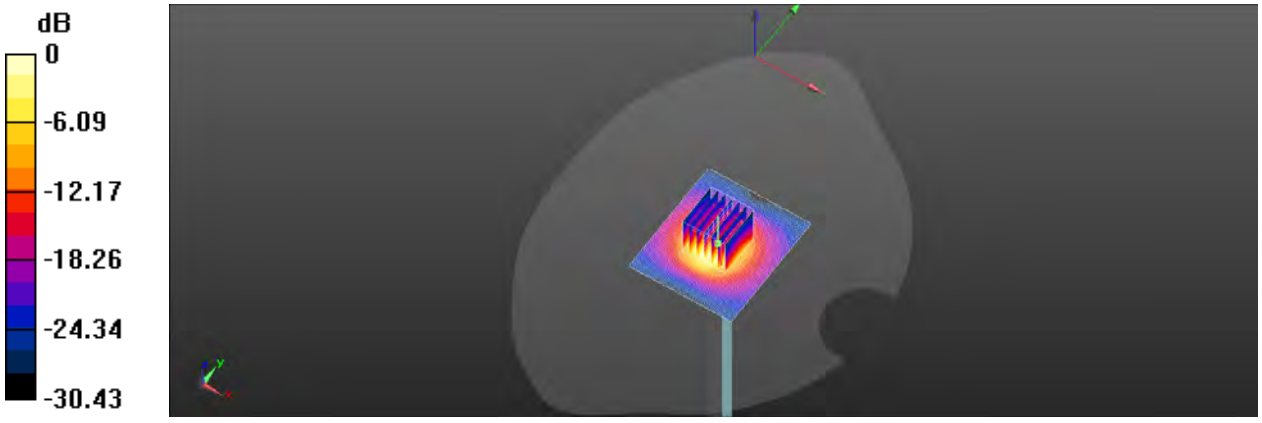
Communication System: CW; Frequency: 3700 MHz; Duty cycle= 1:1
Medium parameters used: f = 3700 MHz; σ = 3.122 S/m; ε_r = 36.627; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.6, 6.6, 6.6) @ 3700 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x71x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 12.7 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 64.21 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(1 g) = 6.55 W/kg; SAR(10 g) = 2.48 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 44.7%
Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

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Date: 2021/3/31

Report No. :EN/2021/20002

Dipole 3700 MHz_SN:1057

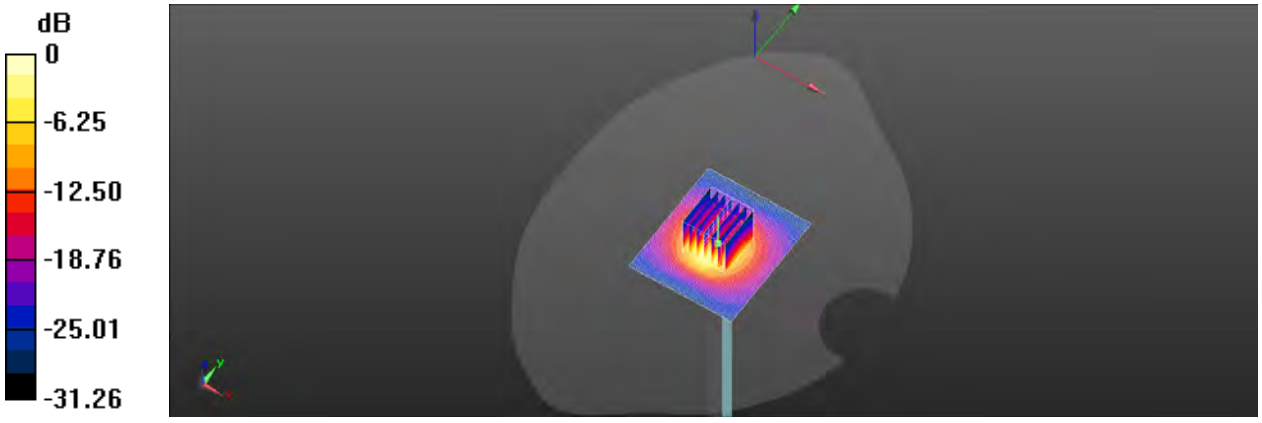
Communication System: CW; Frequency: 3700 MHz; Duty cycle= 1:1
Medium parameters used: f = 3700 MHz; σ = 3.113 S/m; ε_r = 36.934; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.6, 6.6, 6.6) @ 3700 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x71x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 12.5 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 61.33 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 6.47 W/kg; SAR(10 g) = 2.44 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 44.4%
Maximum value of SAR (measured) = 11.2 W/kg



0 dB = 11.2 W/kg = 10.49 dBW/kg

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Date:2021/3/22

Report No. :EN/2021/20002

Dipole 3900 MHz_SN:1032

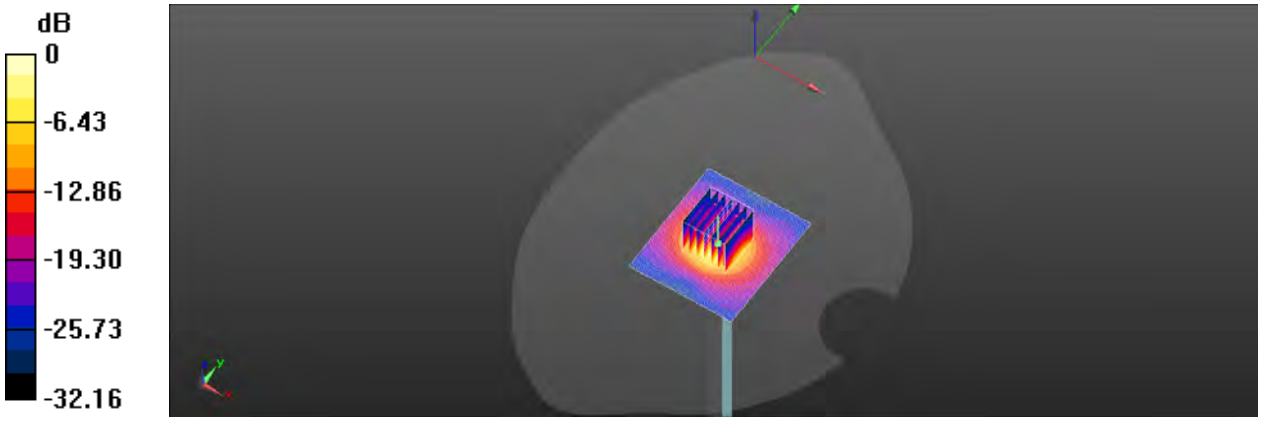
Communication System: CW; Frequency: 3900 MHz; Duty cycle= 1:1
Medium parameters used: f = 3900 MHz; σ = 3.379 S/m; ε_r = 36.371; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.39, 6.39, 6.39) @ 3900 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x71x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 14.7 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 65.41 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 18.7 W/kg
SAR(1 g) = 6.84 W/kg; SAR(10 g) = 2.36 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 43.3%
Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg = 10.97 dBW/kg

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Date: 2021/4/1

Report No. :EN/2021/20002

Dipole 3900 MHz_SN:1032

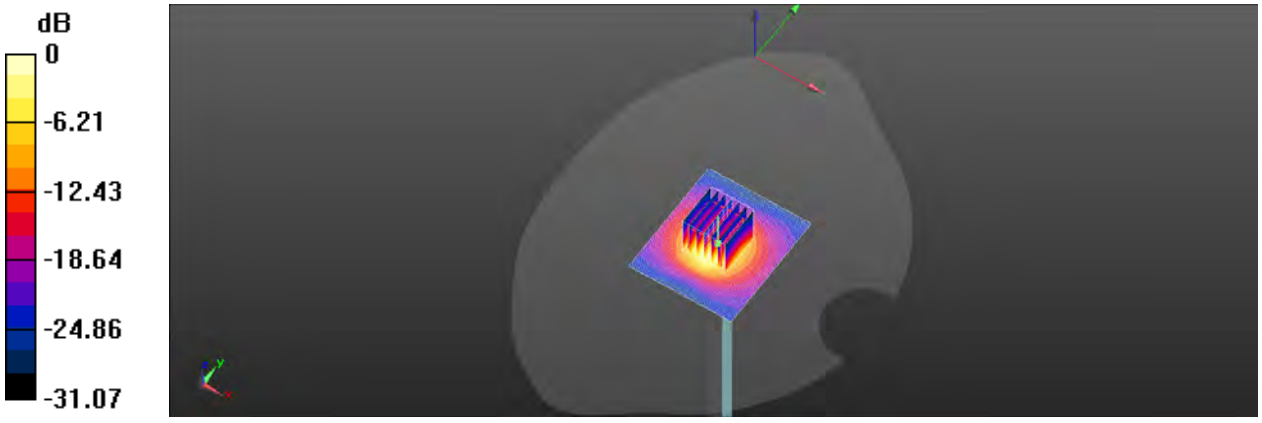
Communication System: CW; Frequency: 3900 MHz; Duty cycle= 1:1
Medium parameters used: f = 3900 MHz; σ = 3.304 S/m; ε_r = 36.683; ρ = 1000 g/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(6.39, 6.39, 6.39) @ 3900 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x71x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 14.8 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 57.36 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 19.2 W/kg
SAR(1 g) = 6.97 W/kg; SAR(10 g) = 2.49 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 44.4%
Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

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Date: 2021/3/12

Report No. :EN/2021/20002

Dipole 5200 MHz_SN:1023

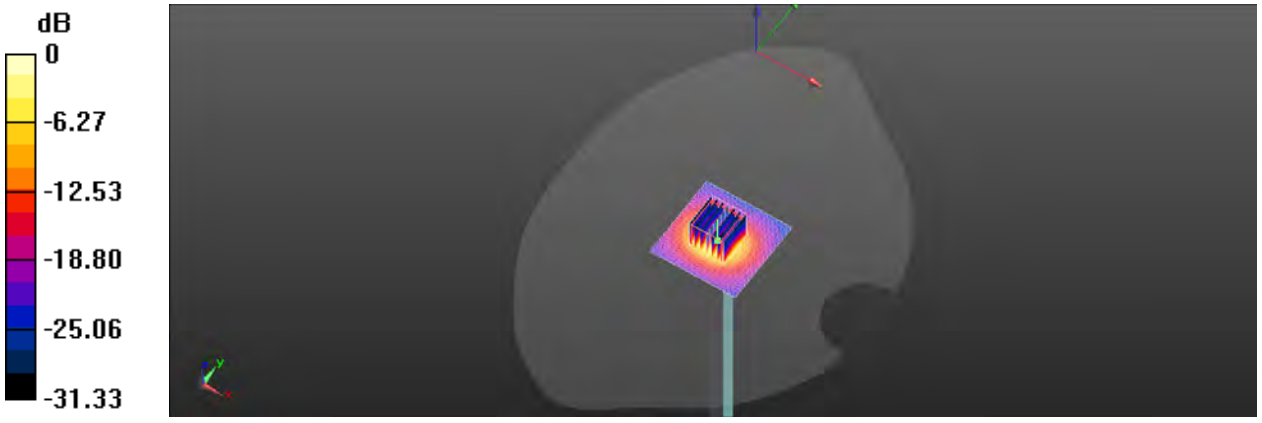
Communication System: CW; Frequency: 5200 MHz; Duty cycle= 1:1
Medium parameters used: f = 5200 MHz; σ = 4.681 S/m; ε_r = 35.493; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5200 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 16.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 63.63 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 33.7 W/kg
SAR(1 g) = 8.04 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 = 51.9%
Maximum value of SAR (measured) = 16.5 W/kg



0 dB = 16.5 W/kg = 12.17 dBW/kg

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Date: 2021/4/2

Report No. :EN/2021/20002

Dipole 5200 MHz_SN:1023

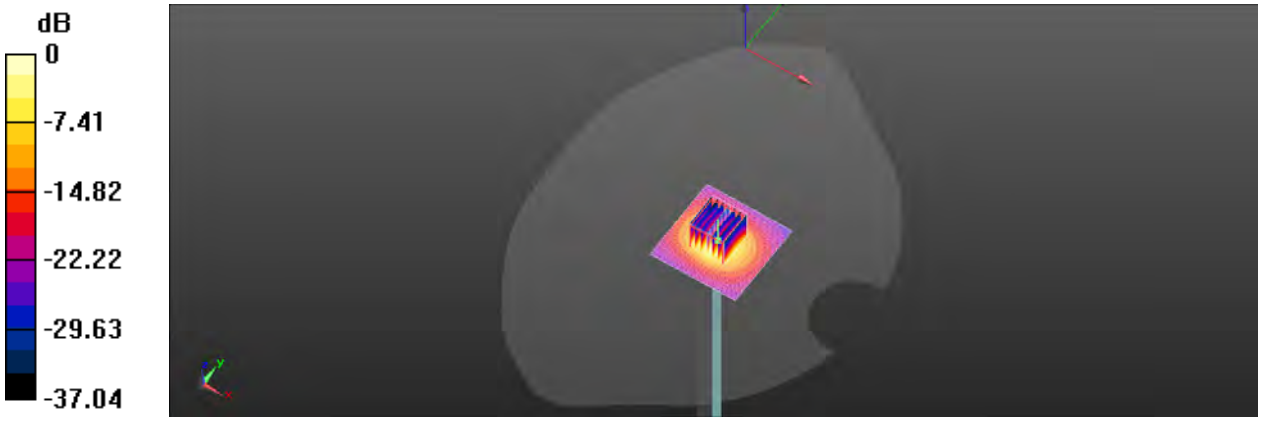
Communication System: CW; Frequency: 5200 MHz; Duty cycle= 1:1
Medium parameters used: f = 5200 MHz; σ = 4.551 S/m; ε_r = 36.112; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5210 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 17.6 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 60.00 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 38.5 W/kg
SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.35 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 52%
Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 18.3 W/kg = 12.62 dBW/kg

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Date: 2021/3/13

Report No. :EN/2021/20002

Dipole 5300 MHz_SN:1023

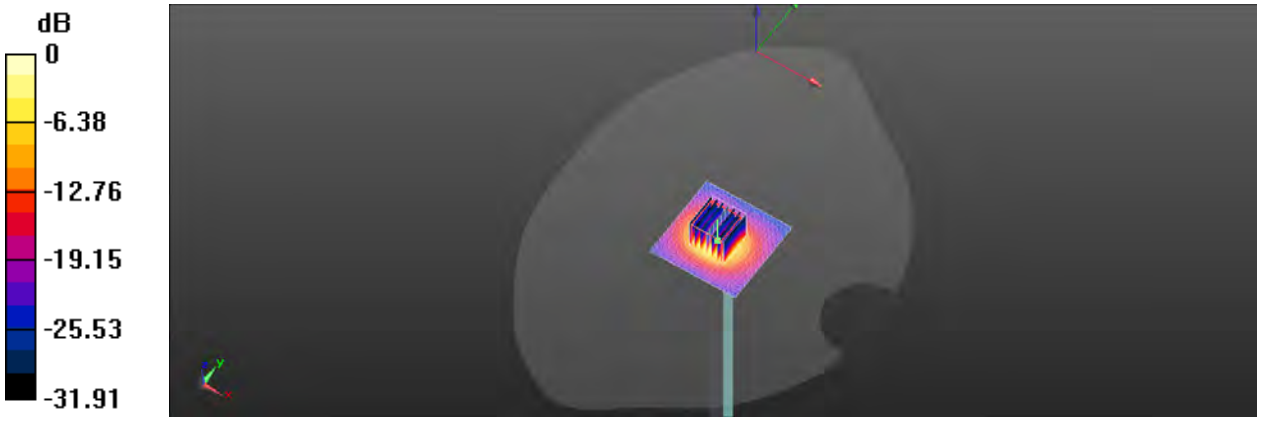
Communication System: CW; Frequency: 5300 MHz; Duty cycle= 1:1
Medium parameters used: f = 5300 MHz; σ = 4.798 S/m; ε_r = 34.837; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5300 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 16.8 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 64.43 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 35.9 W/kg
SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.39 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 50.9%
Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg = 12.28 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

Dipole 5300 MHz_SN:1023

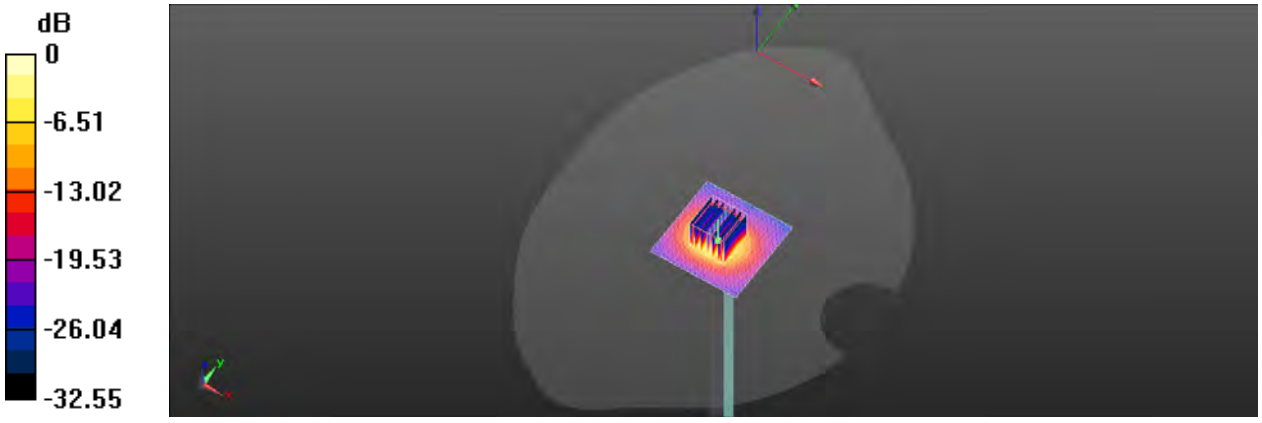
Communication System: CW; Frequency: 5300 MHz; Duty cycle= 1:1
Medium parameters used: f = 5300 MHz; σ = 4.746 S/m; ε_r = 35.881; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.7°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.4, 5.4, 5.4) @ 5290 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 16.4 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 66.79 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 35.5 W/kg
SAR(1 g) = 8.43 W/kg; SAR(10 g) = 2.41 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 50.8%
Maximum value of SAR (measured) = 16.7 W/kg



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

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Date: 2021/3/14

Report No. :EN/2021/20002

Dipole 5600 MHz_SN:1023

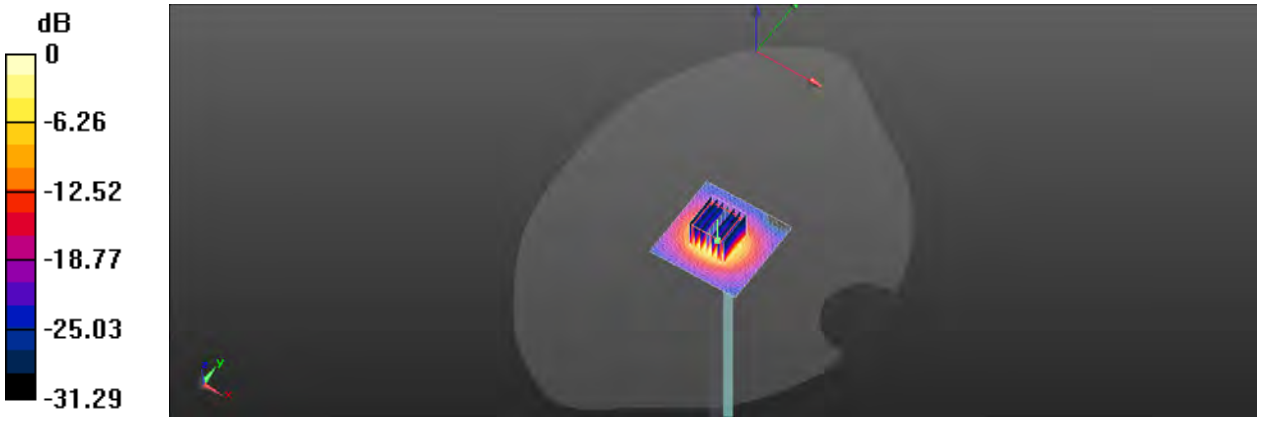
Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1
Medium parameters used: f = 5600 MHz; σ = 5.151 S/m; ε_r = 34.655; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5600 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 15.7 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 62.99 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 36.0 W/kg
SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.29 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 49%
Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 16.4 W/kg = 12.15 dBW/kg

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Date: 2021/4/3

Report No. : EN/2021/20002

Dipole 5600 MHz_SN:1023

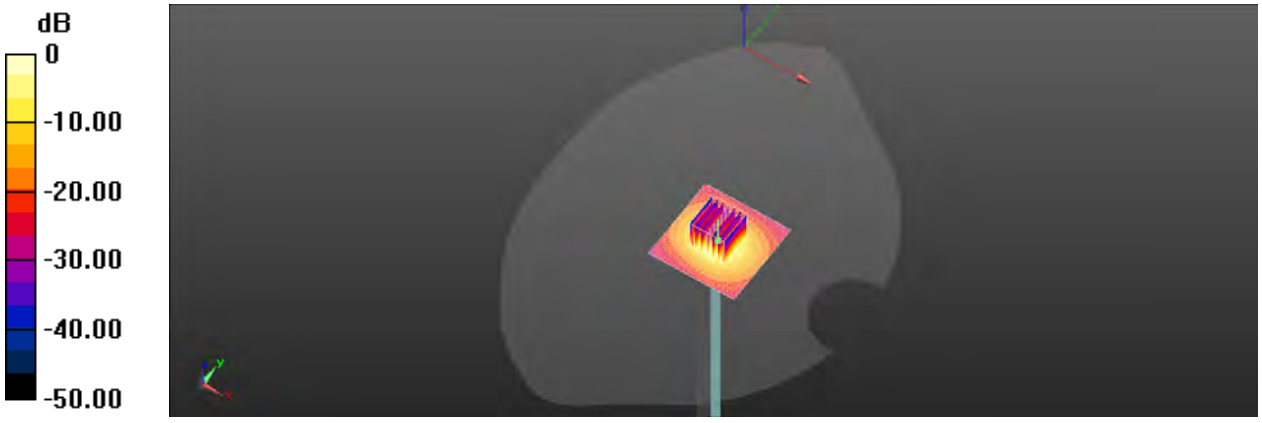
Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1
Medium parameters used: f = 5600 MHz; σ = 5.116 S/m; ε_r = 34.994; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.79, 4.79, 4.79) @ 5530 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 18.5 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 66.16 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 38.6 W/kg
SAR(1 g) = 8.31 W/kg; SAR(10 g) = 2.33 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 49.9%
Maximum value of SAR (measured) = 18.1 W/kg



0 dB = 18.1 W/kg = 12.58 dBW/kg

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Date: 2021/3/15

Report No. :EN/2021/20002

Dipole 5800 MHz_SN:1023

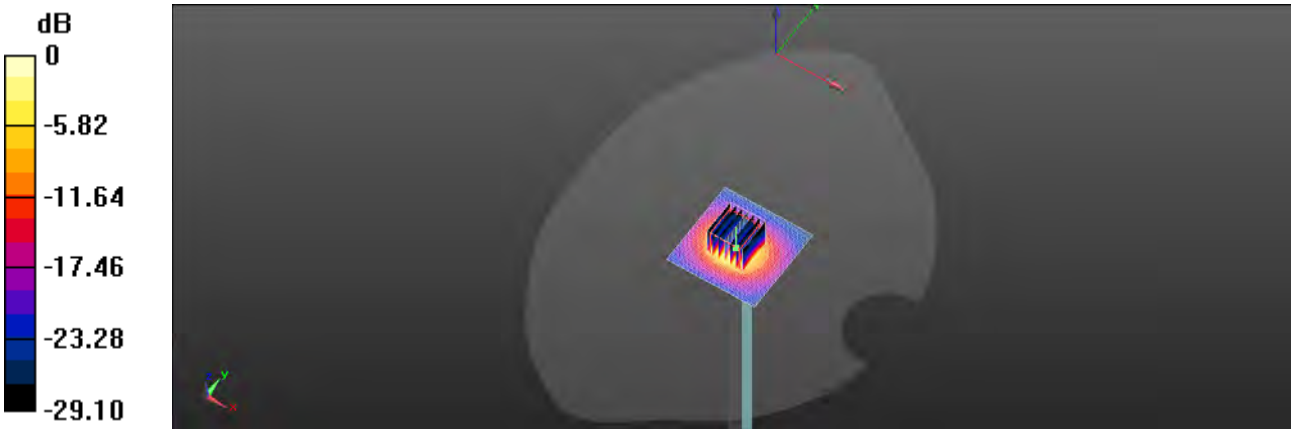
Communication System: CW; Frequency: 5800 MHz; Duty cycle= 1:1
Medium parameters used: f = 5800 MHz; σ = 5.389 S/m; ε_r = 34.011; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.8°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5800 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 15.6 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 61.91 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.21 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 47.1%
Maximum value of SAR (measured) = 15.8 W/kg



0 dB = 15.8 W/kg = 11.99 dBW/kg

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Date: 2021/4/3

Report No. :EN/2021/20002

Dipole 5800 MHz_SN:1023

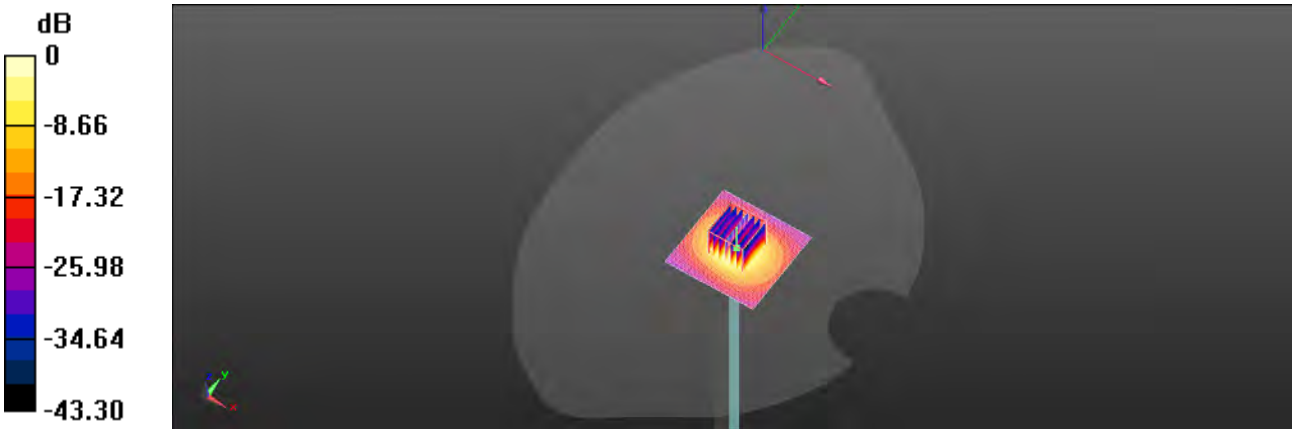
Communication System: CW; Frequency: 5800 MHz; Duty cycle= 1:1
Medium parameters used: f = 5800 MHz; σ = 5.481 S/m; ε_r = 34.441; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.9, 4.9, 4.9) @ 5775 MHz; Calibrated: 2020/5/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2020/4/23
- Phantom: SAM
- 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) = 19.8 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 59.45 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 44.3 W/kg
SAR(1 g) = 8.33 W/kg; SAR(10 g) = 2.32 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 48.8%
Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg = 12.97 dBW/kg

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5. Uncertainty Budget

Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	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 shell	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.)	4.34%	N	1	1	0.64	0.43	2.78%	1.87%	M
Liquid Conductivity (mea.)	4.78%	N	1	1	0.6	0.49	2.87%	2.34%	M
Combined standard uncertainty		RSS					12.10%	11.79%	
Expant uncertainty (95% confidence interval), K=2							24.19%	23.59%	

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Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	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 shell	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.)	3.65%	N	1	1	0.64	0.43	2.34%	1.57%	M
Liquid Conductivity (mea.)	4.00%	N	1	1	0.6	0.49	2.40%	1.96%	M
Combined standard uncertainty		RSS					12.19%	11.97%	
Expant uncertainty (95% confidence interval), K=2							24.37%	23.95%	

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Appendixes

Refer to separated files for the following appendixes.

EN202120002 SAR_Appendix A Photographs

EN202120002 SAR_Appendix B DAE & Probe Cal. Certificate

EN202120002 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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