SAR TEST REPORT

Testing Laboratory 3702

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

Equipment Under Test	Notebook Computer
Brand Name	acer
Model No.	N20Q4
Company Name	Acer Incorporated
Company Address	8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan (R.O.C)
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	HLZQSIP7180Q
Date of Receipt	Nov. 04, 2020
Date of Test(s)	Nov. 13, 2020 ~ Dec. 28, 2020
Date of Issue	Jan. 22, 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	Engineer / Bond Tsai	Asst. Manager / John Yeh
Ruby Ou	Bond Tsai	John Yeh

Date: Jan. 22, 2021

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Revision History

Report Number	Revision	Description	Issue Date
E5/2020/B0003	Rev.00	Initial creation of document	Jan. 22, 2021

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Highest SAR Summary			
Equipment class	Simultaneous Transmission Scenarios	The highest reported SAR values	Highest Simultaneous Transmission
		1g SAR(W/Kg)	
WWAN	LTE FDD Band 17	1.20	-
	LTE Band 30 + 5GHz Main + 5GHz Aux	-	1.54
DTS	LTE Band 30 + 2.4GHz Main + 2.4GHz Aux	0.92	1.40
NII	LTE Band 30 + 5GHz Main + 5GHz Aux	1.00	1.54
DSS	LTE Band 30 + 2.4GHz Aux + Bluetooth	0.52	1.23

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0. Guidance applied

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

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

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1. General Information

1.1 Testing Laboratory

SGS Taiwan Ltd. Central RF Lab	
No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	
FCC Designation Number	TW0028
Tel	+886-2-2299-3279
Fax	+886-2-2298-0488
Internet	http://www.tw.sgs.com/

1.2 Details of Applicant

Company Name	Acer Incorporated
Company Address	8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan (R.O.C)

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1.3 Description of EUT

Equipment Under Test	Notebook Computer		
Brand Name	acer		
Model No.	N20Q4		
FCC ID	HLZQSIP7180Q		
Mode of Operation	☒WCDMA ☒HSDPA ☒HSUPA ☒HSPA+ ☒DC-HSDPA ☒LTE FDD ☒LTE TDD ☒WLAN802.11 a/b/g/n(20M/40M)/ac(20M/40M/80M) ☒Bluetooth ☒NFC		
Duty Cycle	WCDMA	100%	
	LTE FDD	100%	
	LTE TDD	63.3%	
	WLAN802.11 a/b/g/n/ac(20M/40M/80M)	Refer to page 136-139	
	Bluetooth	77.2%	
TX Frequency Range (MHz)	WCDMA Band II	1850 –	1910
	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 13	777 –	787
	LTE FDD Band 14	788 –	798
	LTE FDD Band 17	704 –	716
	LTE FDD Band 25	1850 –	1915
	LTE FDD Band 26	814 –	849
	LTE FDD Band 30	2305 –	2315

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TX Frequency Range (MHz)	LTE TDD Band 38	2570	–	2620
	LTE TDD Band 41 Power Class 2/3	2496	–	2690
	LTE FDD Band 66	1710	–	1780
	LTE FDD Band 71	663	–	698
	WLAN802.11 b/g/n/ac(20M)	2412	–	2472
	WLAN802.11 n(40M)	2422	–	2462
	WLAN802.11 a/n(20M)/ac(20M) 5.2G	5180	–	5240
	WLAN802.11 n(40M)/ac(40M) 5.2G	5190	–	5230
	WLAN802.11 ac(80M) 5.2G	5210		
	WLAN802.11 a/n(20M)/ac(20M) 5.3G	5260	–	5320
	WLAN802.11 n(40M)/ac(40M) 5.3G	5270	–	5310
	WLAN802.11 ac(80M) 5.3G	5290		
	WLAN802.11 a/n/ac(20M) 5.6G	5500	–	5720
	WLAN802.11 n/ac(40M) 5.6G	5510	–	5710
	WLAN802.11 ac(80M) 5.6G	5530	–	5690
	WLAN802.11 a/n(20M)/ac(20M) 5.8G	5745	–	5825
	WLAN802.11 n(40M)/ac(40M) 5.8G	5755	–	5795
	WLAN802.11 ac(80M) 5.8G	5775		
	Bluetooth	2402	–	2480
Channel Number (ARFCN)	WCDMA Band II	9262	–	9538
	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 13	23205	–	23255
	LTE FDD Band 14	23305	–	23355
	LTE FDD Band 17	23755	–	23825
	LTE FDD Band 25	26047	–	26683
	LTE FDD Band 26	26697	–	27033

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Channel Number (ARFCN)	LTE FDD Band 30	27685	—	27735
	LTE TDD Band 38	37775	—	38225
	LTE TDD Band 41 Power Class 2/3	39675	—	41565
	LTE FDD Band 66	131979	—	132665
	LTE FDD Band 71	133147	—	133447
	WLAN802.11 b/g/n/ac(20M)	1	—	13
	WLAN802.11 n(40M)	3	—	11
	WLAN802.11 a/n(20M)/ac(20M) 5.2G	36	—	48
	WLAN802.11 n(40M)/ac(40M) 5.2G	38	—	46
	WLAN802.11 ac(80M) 5.2G		42	
	WLAN802.11 a/n(20M)/ac(20M) 5.3G	52	—	64
	WLAN802.11 n(40M)/ac(40M) 5.3G	54	—	62
	WLAN802.11 ac(80M) 5.3G		58	
	WLAN802.11 a/n/ac(20M) 5.6G	100	—	144
	WLAN802.11 n/ac(40M) 5.6G	102	—	142
	WLAN802.11 ac(80M) 5.6G	106	—	138
	WLAN802.11 a/n(20M)/ac(20M) 5.8G	149	—	165
	WLAN802.11 n(40M)/ac(40M) 5.8G	151	—	159
	WLAN802.11 ac(80M) 5.8G		155	
	Bluetooth	0	—	78

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Notebook mode (sensor on)

Max. SAR (1 g) (Unit: W/Kg)				
Band	Measured	Reported	Channel	Position
WCDMA Band II	0.99	1.09	9262	Bottom side
WCDMA Band V	1.12	1.13	4233	Bottom side
LTE FDD Band 2	1.03	1.15	18700	Bottom side
LTE FDD Band 4	0.79	0.82	20050	Bottom side
LTE FDD Band 5	1.05	1.12	20600	Bottom side
LTE FDD Band 7	1.04	1.10	21350	Bottom side
LTE FDD Band 12	1.00	1.09	23130	Bottom side
LTE FDD Band 13	1.00	1.09	23230	Bottom side
LTE FDD Band 14	1.05	1.14	23330	Bottom side
LTE FDD Band 17	1.01	1.20	23800	Bottom side
LTE FDD Band 25	1.05	1.18	26140	Bottom side
LTE FDD Band 26	0.95	1.00	26865	Bottom side
LTE FDD Band 30	0.92	0.97	27710	Bottom side
LTE TDD Band 38	0.77	0.78	38150	Bottom side
LTE TDD Band 41	0.83	0.84	41490	Bottom side
LTE TDD Band 41(HPUE)	0.84	0.85	41490	Bottom side
LTE FDD Band 66	0.83	0.90	132572	Bottom side
LTE FDD Band 71	0.94	1.10	133222	Bottom side

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Tablet mode (sensor off)

Max. SAR (1 g) (Unit: W/Kg)				
Band	Measured	Reported	Channel	Position
WCDMA Band II	0.75	1.02	9538	Back side
WCDMA Band V	0.29	0.37	4132	Back side
LTE FDD Band 2	0.68	0.98	19100	Back side
LTE FDD Band 4	0.78	1.17	20050	Back side
LTE FDD Band 5	0.26	0.37	20600	Back side
LTE FDD Band 7	0.66	0.96	21100	Back side
LTE FDD Band 12	0.49	0.73	23095	Back side
LTE FDD Band 13	0.28	0.39	23230	Back side
LTE FDD Band 14	0.27	0.39	23330	Back side
LTE FDD Band 17	0.48	0.74	23790	Back side
LTE FDD Band 25	0.73	1.04	26590	Back side
LTE FDD Band 26	0.29	0.40	26865	Back side
LTE FDD Band 30	0.88	0.94	27710	Back side
LTE TDD Band 38	0.39	0.55	38150	Top side
LTE TDD Band 41	0.55	0.77	41490	Top side
LTE TDD Band 41(HPUE)	0.55	0.78	41490	Top side
LTE FDD Band 66	0.79	1.09	132072	Back side
LTE FDD Band 71	0.54	0.83	133372	Back side

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Tablet mode (sensor on)

Max. SAR (1 g) (Unit: W/Kg)				
Band	Measured	Reported	Channel	Position
WCDMA Band II	0.74	0.75	9538	Back side
WCDMA Band V	0.92	0.93	4233	Back side
LTE FDD Band 2	0.71	0.71	19100	Back side
LTE FDD Band 4	0.61	0.61	20175	Back side
LTE FDD Band 5	0.97	1.09	20600	Back side
LTE FDD Band 7	0.85	0.92	21350	Back side
LTE FDD Band 12	1.05	1.12	23060	Back side
LTE FDD Band 13	1.09	1.17	23230	Back side
LTE FDD Band 14	1.11	1.13	23330	Back side
LTE FDD Band 17	1.06	1.14	23780	Back side
LTE FDD Band 25	0.83	0.83	26590	Back side
LTE FDD Band 26	1.07	1.18	26965	Back side
LTE FDD Band 30	0.71	0.75	27710	Back side
LTE TDD Band 38	0.67	0.68	38000	Back side
LTE TDD Band 41	0.55	0.62	41490	Back side
LTE TDD Band 41(HPUE)	0.55	0.63	41490	Back side
LTE FDD Band 66	0.73	0.77	132572	Back side
LTE FDD Band 71	0.84	0.85	133222	Back side

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Notebook mode

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Main	WLAN 802.11b	0.89	0.92	1	Bottom side
	Bluetooth (GFSK)	0.31	0.52	39	Bottom side
	WLAN 802.11a 5.2G	0.93	0.99	44	Bottom side
	WLAN 802.11n(40M) 5.2G	0.84	0.96	38	Bottom side
	WLAN 802.11a 5.3G	0.91	0.98	52	Bottom side
	WLAN 802.11n(40M) 5.3G	0.91	1.00	54	Bottom side
	WLAN 802.11n(40M) 5.6G	0.95	1.00	142	Bottom side
	WLAN 802.11ac(80M) 5.6G	0.88	0.99	122	Bottom side
	WLAN 802.11n(40M) 5.8G	0.89	1.00	159	Bottom side
	WLAN 802.11ac(80M) 5.8G	0.87	0.99	155	Bottom side
Aux	WLAN 802.11b	0.78	0.79	1	Bottom side
	WLAN 802.11n(40M) 5.2G	0.54	0.57	46	Bottom side
	WLAN 802.11n(40M) 5.3G	0.52	0.53	54	Bottom side
	WLAN 802.11ac(80M) 5.6G	0.33	0.36	106	Bottom side
	WLAN 802.11ac(80M) 5.8G	0.66	0.73	155	Bottom side

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Tablet mode

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Main	WLAN 802.11b	0.45	0.48	6	Back side
	Bluetooth (GFSK)	0.21	0.35	39	Back side
	WLAN 802.11n(40M) 5.2G	0.87	0.97	46	Back side
	WLAN 802.11ac(80M) 5.2G	0.85	1.00	42	Back side
	WLAN 802.11a 5.3G	0.87	0.89	64	Back side
	WLAN 802.11n(40M) 5.3G	0.78	0.87	54	Back side
	WLAN 802.11ac(80M) 5.6G	0.89	0.97	138	Back side
	WLAN 802.11n(40M) 5.8G	0.92	1.00	159	Back side
	WLAN 802.11ac(80M) 5.8G	0.86	1.00	155	Back side
Aux	WLAN 802.11b	0.92	0.93	11	Back side
	WLAN 802.11n(40M) 5.2G	0.75	0.78	46	Back side
	WLAN 802.11n(40M) 5.3G	0.77	0.81	54	Back side
	WLAN 802.11ac(80M) 5.6G	0.38	0.42	106	Back side
	WLAN 802.11n(40M) 5.8G	0.86	0.90	159	Back side
	WLAN 802.11ac(80M) 5.8G	0.81	0.90	155	Back side

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Antenna Information

WLAN

Vendor	WNC									
Antenna	Main (PIFA)					Aux (PIFA)				
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	-0.09	2.70	3.00	2.82	2.33	1.60	2.27	2.27	1.46	2.36

Notebook mode										
Vendor	WNC									
Part Number	Main (PIFA)					Aux (PIFA)				
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	-0.42	-2.28	-0.27	-1.22	-1.99	-1.37	-0.61	-0.61	-2.56	-0.98

WWAN

Gain table(dBi)		
Antenna	WNC SG64	
Mode	Notebook mode	Tablet mode
WCDMA BII	-2.55	-5.59
WCDMA BV	-4.13	-9.19
LTE Band 2	-2.55	-5.59
LTE Band 4	-2.87	-5.86
LTE Band 5	-4.13	-9.19
LTE Band 7	-3.40	-7.99
LTE Band 12	-2.34	-6.43
LTE Band 13	-3.22	-9.59
LTE Band 14	-4.13	-10.00
LTE Band 17	-2.45	-6.61
LTE Band 25	-2.55	-5.59
LTE Band 26	-3.76	-9.19
LTE Band 30	-4.20	-7.81
LTE Band 38	-3.86	-7.55
LTE Band 41	-3.40	-6.15
LTE Band 66	-2.87	-5.78
LTE Band 71	-1.94	-5.73

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1.3.1 Full power-WCDMA

Band II / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA conducted power table:

Unit: dBm

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**25.70**		
3GPP Rel 99	RMC 12.2Kbps	23.91	23.75	24.41
3GPP Rel 5	HSDPA Subtest-1	23.18	22.74	23.45
	HSDPA Subtest-2	22.61	22.19	23.24
	HSDPA Subtest-3	22.47	22.15	23.01
	HSDPA Subtest-4	22.43	22.11	23.16
3GPP Rel 6	HSUPA Subtest-1	22.83	22.59	23.42
	HSUPA Subtest-2	20.82	20.55	21.51
	HSUPA Subtest-3	21.79	21.47	22.59
	HSUPA Subtest-4	20.78	20.55	21.51
	HSUPA Subtest-5	22.92	22.61	23.42
3GPP Rel 7	HSPA+	23.32	23.24	23.52
3GPP Rel 8	DC-HSDPA Subtest-1	23.30	23.38	23.29
	DC-HSDPA Subtest-2	23.27	23.30	23.44
	DC-HSDPA Subtest-3	22.98	22.84	22.79
	DC-HSDPA Subtest-4	22.80	22.87	22.79
Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**25.20**		
3GPP Rel 99	RMC 12.2Kbps	24.22	24.14	24.18
3GPP Rel 5	HSDPA Subtest-1	23.09	23.07	23.19
	HSDPA Subtest-2	22.72	22.71	22.73
	HSDPA Subtest-3	22.74	22.72	22.75
	HSDPA Subtest-4	22.73	22.61	22.64
3GPP Rel 6	HSUPA Subtest-1	23.21	23.06	23.08
	HSUPA Subtest-2	21.21	21.05	20.98
	HSUPA Subtest-3	22.17	22.12	22.21
	HSUPA Subtest-4	21.22	21.15	21.17
	HSUPA Subtest-5	23.11	23.13	23.22
3GPP Rel 7	HSPA+	23.53	23.60	23.42
3GPP Rel 8	DC-HSDPA Subtest-1	23.62	23.54	23.52
	DC-HSDPA Subtest-2	23.46	23.49	23.42
	DC-HSDPA Subtest-3	23.11	23.02	23.02
	DC-HSDPA Subtest-4	23.06	22.98	23.12

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1.3.2 Reduced power-Notebook mode-WCDMA

Band II / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA conducted power table:

Unit: dBm

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**20.00**		
3GPP Rel 99	RMC 12.2Kbps	19.57	19.15	19.97
3GPP Rel 5	HSDPA Subtest-1	18.53	18.14	19.03
	HSDPA Subtest-2	18.05	17.63	18.52
	HSDPA Subtest-3	18.01	17.67	18.55
	HSDPA Subtest-4	17.98	17.66	18.52
3GPP Rel 6	HSUPA Subtest-1	18.50	18.12	18.99
	HSUPA Subtest-2	16.49	16.03	17.03
	HSUPA Subtest-3	17.45	17.06	18.02
	HSUPA Subtest-4	16.51	16.05	16.96
	HSUPA Subtest-5	18.49	18.10	18.98
3GPP Rel 7	HSPA+	19.01	18.88	19.20
3GPP Rel 8	DC-HSDPA Subtest-1	18.96	19.01	18.94
	DC-HSDPA Subtest-2	18.92	18.94	19.07
	DC-HSDPA Subtest-3	18.64	18.45	18.40
	DC-HSDPA Subtest-4	18.41	18.55	18.39
Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**24.00**		
3GPP Rel 99	RMC 12.2Kbps	23.99	23.89	23.95
3GPP Rel 5	HSDPA Subtest-1	23.00	22.88	22.94
	HSDPA Subtest-2	22.50	22.10	22.46
	HSDPA Subtest-3	22.53	22.38	22.47
	HSDPA Subtest-4	22.56	22.39	22.44
3GPP Rel 6	HSUPA Subtest-1	22.95	22.86	22.86
	HSUPA Subtest-2	20.95	20.82	20.93
	HSUPA Subtest-3	21.96	21.85	21.94
	HSUPA Subtest-4	20.99	20.85	20.87
	HSUPA Subtest-5	22.98	22.87	22.90
3GPP Rel 7	HSPA+	23.26	23.32	23.20
3GPP Rel 8	DC-HSDPA Subtest-1	23.41	23.30	23.31
	DC-HSDPA Subtest-2	23.21	23.24	23.13
	DC-HSDPA Subtest-3	22.87	22.73	22.79
	DC-HSDPA Subtest-4	22.82	22.71	22.90

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1.3.3 Reduced power-Tablet mode-WCDMA

WCDMA Band II / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA conducted power table :

Unit: dBm

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**14.50**		
3GPP Rel 99	RMC 12.2Kbps	14.08	13.62	14.45
3GPP Rel 5	HSDPA Subtest-1	13.05	12.65	13.56
	HSDPA Subtest-2	12.58	12.12	13.07
	HSDPA Subtest-3	12.22	12.15	13.10
	HSDPA Subtest-4	12.56	12.17	13.08
3GPP Rel 6	HSUPA Subtest-1	12.90	12.59	13.47
	HSUPA Subtest-2	10.93	10.51	11.49
	HSUPA Subtest-3	11.94	11.53	12.48
	HSUPA Subtest-4	11.00	10.51	11.36
	HSUPA Subtest-5	12.98	12.60	13.45
3GPP Rel 7	HSPA+	13.52	13.42	13.63
3GPP Rel 8	DC-HSDPA Subtest-1	13.42	13.56	13.41
	DC-HSDPA Subtest-2	13.43	13.45	13.58
	DC-HSDPA Subtest-3	13.13	13.00	12.91
	DC-HSDPA Subtest-4	12.99	13.06	12.90
Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**23.00**		
3GPP Rel 99	RMC 12.2Kbps	22.98	22.90	22.94
3GPP Rel 5	HSDPA Subtest-1	21.99	21.92	21.92
	HSDPA Subtest-2	21.53	21.41	21.48
	HSDPA Subtest-3	21.49	21.42	21.43
	HSDPA Subtest-4	21.55	21.41	21.48
3GPP Rel 6	HSUPA Subtest-1	21.98	21.87	21.97
	HSUPA Subtest-2	19.97	19.90	19.93
	HSUPA Subtest-3	21.06	20.91	20.92
	HSUPA Subtest-4	20.02	19.86	19.95
	HSUPA Subtest-5	22.03	21.91	21.94
3GPP Rel 7	HSPA+	22.29	22.27	22.15
3GPP Rel 8	DC-HSDPA Subtest-1	22.34	22.21	22.23
	DC-HSDPA Subtest-2	22.15	22.20	22.10
	DC-HSDPA Subtest-3	21.84	21.72	21.69
	DC-HSDPA Subtest-4	21.77	21.69	21.85

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Sub-Test for HSDPA

SUB-TEST	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{HS} *(Note1, Note 2)*	CM (dB) *(Note 3)*	MPR (dB) *(Note 3)*
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15	15/15	64	12/15	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Sub-Test for HSUPA

SUB-TEST	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{HS} *(Note1)*	β_{ec}	β_{ed} *(Note 5) (Note 6)*	β_{ed} *(SF)*	β_{ed} *(Codes)*	CM *(dB) (Note 2)*	MPR *(dB) (Note 2)*	*AG Index (Note 6)*	*E-TFCI*
1	11/15	15/15	64	11/15	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	15/15	64	15/15	30/15	24/15	134/15	4	1	1.0	0.0	21	81

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1.3.4 Full power-LTE FDD

Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 / Band 66 / Band 71 power table:

LTE Band 2								
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	23.71	23.86	23.80	25.70	0
		1	50	24.03	23.75	23.88	25.70	0
		1	99	24.04	23.77	24.09	25.70	0
		50	0	23.07	22.77	22.72	24.70	0-1
		50	25	22.74	22.76	22.88	24.70	0-1
		50	50	22.80	22.80	23.01	24.70	0-1
		100	0	22.77	22.85	22.77	24.70	0-1
	16-QAM	1	0	22.84	22.70	22.82	24.70	0-1
		1	50	22.90	22.79	23.04	24.70	0-1
		1	99	22.71	22.71	23.58	24.70	0-1
		50	0	21.89	21.72	21.89	23.70	0-2
		50	25	21.79	21.89	21.79	23.70	0-2
		50	50	21.74	21.72	22.05	23.70	0-2
		100	0	21.86	21.71	21.78	23.70	0-2
	64-QAM	1	0	21.78	21.77	21.75	23.70	0-2
		1	50	21.88	21.85	21.80	23.70	0-2
		1	99	21.87	21.89	21.87	23.70	0-2
		50	0	21.05	20.87	20.83	22.70	0-3
		50	25	20.71	20.87	20.86	22.70	0-3
		50	50	20.80	20.87	20.76	22.70	0-3
		100	0	20.90	20.86	20.78	22.70	0-3
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	23.84	23.83	23.88	25.70	0
		1	36	24.00	23.77	23.86	25.70	0
		1	74	23.95	23.89	24.05	25.70	0
		36	0	22.76	22.77	22.70	24.70	0-1
		36	18	22.79	22.89	22.87	24.70	0-1
		36	37	22.74	22.83	22.94	24.70	0-1
		75	0	22.73	22.75	22.85	24.70	0-1
	16-QAM	1	0	22.77	22.84	22.80	24.70	0-1
		1	36	22.84	22.75	23.31	24.70	0-1
		1	74	22.73	22.74	23.23	24.70	0-1
		36	0	21.72	21.78	21.87	23.70	0-2
		36	18	21.84	21.80	21.93	23.70	0-2
		36	37	21.80	21.70	22.08	23.70	0-2
		75	0	21.80	21.75	22.01	23.70	0-2
	64-QAM	1	0	21.78	21.83	21.71	23.70	0-2
		1	36	21.74	21.74	21.72	23.70	0-2
		1	74	21.80	21.73	21.87	23.70	0-2
		36	0	21.02	20.84	20.88	22.70	0-3
		36	18	21.27	20.71	20.86	22.70	0-3
		36	37	21.29	20.74	20.87	22.70	0-3
		75	0	20.79	20.81	20.79	22.70	0-3

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LTE Band 2								
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	23.89	23.71	24.02	25.70	0
		1	25	23.71	23.73	23.94	25.70	0
		1	49	23.70	23.79	23.97	25.70	0
		25	0	22.78	22.77	22.83	24.70	0-1
		25	12	22.81	22.77	22.97	24.70	0-1
		25	25	22.88	22.72	23.05	24.70	0-1
		50	0	22.72	22.78	23.01	24.70	0-1
	16-QAM	1	0	22.98	22.82	23.32	24.70	0-1
		1	25	22.96	22.78	23.21	24.70	0-1
		1	49	22.74	22.78	23.62	24.70	0-1
		25	0	21.71	21.78	21.86	23.70	0-2
		25	12	21.89	21.79	22.06	23.70	0-2
		25	25	21.75	21.76	21.98	23.70	0-2
		50	0	21.75	21.79	22.11	23.70	0-2
	64-QAM	1	0	22.06	21.70	21.79	23.70	0-2
		1	25	21.74	21.74	21.74	23.70	0-2
		1	49	21.84	21.72	21.71	23.70	0-2
		25	0	20.91	20.77	20.78	22.70	0-3
		25	12	21.26	20.72	20.77	22.70	0-3
		25	25	20.74	20.79	20.72	22.70	0-3
		50	0	20.90	20.76	20.72	22.70	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	23.76	23.76	23.92	25.70	0
		1	12	23.70	23.70	23.99	25.70	0
		1	24	23.72	23.76	23.93	25.70	0
		12	0	22.74	22.78	22.95	24.70	0-1
		12	6	22.79	22.76	23.08	24.70	0-1
		12	13	22.70	22.77	23.05	24.70	0-1
		25	0	22.88	22.78	23.03	24.70	0-1
	16-QAM	1	0	22.72	22.78	23.06	24.70	0-1
		1	12	22.89	22.75	23.27	24.70	0-1
		1	24	22.78	22.92	23.08	24.70	0-1
		12	0	21.88	21.79	22.15	23.70	0-2
		12	6	21.89	21.76	22.19	23.70	0-2
		12	13	21.76	21.73	22.09	23.70	0-2
		25	0	21.81	21.78	21.95	23.70	0-2
	64-QAM	1	0	21.94	21.79	22.70	23.70	0-2
		1	12	21.73	21.77	22.71	23.70	0-2
		1	24	21.72	21.72	22.76	23.70	0-2
		12	0	20.84	20.75	20.73	22.70	0-3
		12	6	21.25	20.77	20.72	22.70	0-3
		12	13	21.24	20.78	20.78	22.70	0-3
		25	0	20.81	20.78	20.70	22.70	0-3

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LTE Band 2								
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	23.88	23.95	23.86	25.70	0
		1	7	23.80	23.81	23.78	25.70	0
		1	14	23.75	23.84	23.91	25.70	0
		8	0	22.91	23.00	22.93	24.70	0-1
		8	4	22.84	22.85	22.85	24.70	0-1
		8	7	22.91	22.95	22.80	24.70	0-1
		15	0	22.95	22.73	22.87	24.70	0-1
	16-QAM	1	0	22.72	22.83	22.75	24.70	0-1
		1	7	22.82	22.71	22.93	24.70	0-1
		1	14	22.84	22.98	22.72	24.70	0-1
		8	0	22.00	21.84	21.87	23.70	0-2
		8	4	21.80	21.95	21.94	23.70	0-2
		8	7	21.93	21.73	21.79	23.70	0-2
		15	0	21.78	21.98	21.72	23.70	0-2
	64-QAM	1	0	21.98	21.90	21.99	23.70	0-2
		1	7	21.78	21.82	21.72	23.70	0-2
		1	14	21.71	21.83	21.77	23.70	0-2
		8	0	20.80	20.79	20.84	22.70	0-3
		8	4	20.80	20.91	20.71	22.70	0-3
		8	7	20.89	20.88	20.96	22.70	0-3
		15	0	20.84	20.97	21.00	22.70	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	23.92	23.95	23.80	25.70	0
		1	2	23.82	23.92	23.88	25.70	0
		1	5	23.95	23.97	23.83	25.70	0
		3	0	23.96	23.95	23.98	25.70	0
		3	2	23.84	23.82	23.88	25.70	0
		3	3	23.82	23.92	23.89	25.70	0
		6	0	22.77	22.93	22.88	24.70	0-1
	16-QAM	1	0	22.91	22.88	22.75	24.70	0-1
		1	2	22.78	22.80	22.75	24.70	0-1
		1	5	22.86	22.89	22.74	24.70	0-1
		3	0	22.72	22.91	22.86	24.70	0-1
		3	2	22.71	22.92	22.93	24.70	0-1
		3	3	22.89	22.87	22.96	24.70	0-1
		6	0	21.94	21.90	21.90	23.70	0-2
	64-QAM	1	0	21.76	21.92	21.83	23.70	0-2
		1	2	21.81	21.84	21.85	23.70	0-2
		1	5	21.82	21.79	21.95	23.70	0-2
		3	0	21.89	21.97	21.87	23.70	0-2
		3	2	21.77	21.91	21.86	23.70	0-2
		3	3	21.96	21.94	21.72	23.70	0-2
		6	0	20.95	20.97	20.81	22.70	0-3

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LTE Band 4								
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	23.97	24.04	23.79	25.70	0
		1	50	23.76	23.93	23.88	25.70	0
		1	99	23.93	23.89	23.94	25.70	0
		50	0	22.96	23.01	22.97	24.70	0-1
		50	25	23.10	23.01	22.99	24.70	0-1
		50	50	22.94	22.95	22.90	24.70	0-1
		100	0	23.05	22.92	22.91	24.70	0-1
	16-QAM	1	0	22.94	23.11	23.42	24.70	0-1
		1	50	23.32	23.07	22.81	24.70	0-1
		1	99	23.10	23.03	23.27	24.70	0-1
		50	0	22.00	22.09	21.98	23.70	0-2
		50	25	22.12	22.05	22.12	23.70	0-2
		50	50	22.13	21.98	22.00	23.70	0-2
		100	0	22.01	22.05	22.00	23.70	0-2
	64-QAM	1	0	21.95	22.03	21.90	23.70	0-2
		1	50	22.08	21.96	22.04	23.70	0-2
		1	99	21.99	21.90	21.96	23.70	0-2
		50	0	21.89	21.83	21.86	22.70	0-3
		50	25	20.80	21.03	20.81	22.70	0-3
		50	50	21.00	20.91	21.02	22.70	0-3
		100	0	21.03	20.94	21.00	22.70	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	23.81	23.87	23.95	25.70	0
		1	36	23.79	23.83	23.86	25.70	0
		1	74	23.91	23.77	23.75	25.70	0
		36	0	22.89	22.96	22.87	24.70	0-1
		36	18	22.88	22.91	22.90	24.70	0-1
		36	37	22.92	22.87	22.81	24.70	0-1
		75	0	22.97	22.95	22.85	24.70	0-1
	16-QAM	1	0	22.89	23.16	22.73	24.70	0-1
		1	36	22.99	22.82	23.04	24.70	0-1
		1	74	23.09	23.07	23.10	24.70	0-1
		36	0	21.95	22.02	21.88	23.70	0-2
		36	18	21.92	22.01	22.01	23.70	0-2
		36	37	21.98	21.93	21.91	23.70	0-2
		75	0	22.03	21.92	21.94	23.70	0-2
	64-QAM	1	0	21.82	21.88	21.77	23.70	0-2
		1	36	22.07	21.86	21.91	23.70	0-2
		1	74	21.90	21.88	21.85	23.70	0-2
		36	0	21.86	21.73	21.79	22.70	0-3
		36	18	20.71	20.89	20.75	22.70	0-3
		36	37	20.85	20.88	20.96	22.70	0-3
		75	0	20.94	20.81	20.96	22.70	0-3

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LTE Band 4								
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	23.88	23.92	23.86	25.70	0
		1	25	23.93	23.90	23.92	25.70	0
		1	49	23.79	23.87	23.84	25.70	0
		25	0	22.96	22.97	23.02	24.70	0-1
		25	12	22.83	22.88	23.00	24.70	0-1
		25	25	22.88	22.97	22.91	24.70	0-1
		50	0	22.85	22.95	22.89	24.70	0-1
	16-QAM	1	0	23.21	23.14	23.16	24.70	0-1
		1	25	23.07	22.83	22.99	24.70	0-1
		1	49	22.71	23.01	23.20	24.70	0-1
		25	0	21.99	22.06	22.08	23.70	0-2
		25	12	22.07	22.06	22.06	23.70	0-2
		25	25	22.00	21.96	21.98	23.70	0-2
		50	0	21.99	22.00	22.04	23.70	0-2
	64-QAM	1	0	21.93	21.91	21.82	23.70	0-2
		1	25	22.03	21.90	22.00	23.70	0-2
		1	49	21.87	21.79	21.90	23.70	0-2
		25	0	21.80	21.75	21.77	22.70	0-3
		25	12	20.79	20.94	20.73	22.70	0-3
		25	25	20.96	20.82	20.89	22.70	0-3
		50	0	21.01	20.86	20.96	22.70	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	23.89	23.77	23.79	25.70	0
		1	12	23.89	23.93	23.84	25.70	0
		1	24	23.70	23.82	23.79	25.70	0
		12	0	22.81	22.91	22.93	24.70	0-1
		12	6	22.89	22.89	22.97	24.70	0-1
		12	13	22.85	22.88	22.94	24.70	0-1
		25	0	22.85	22.93	22.94	24.70	0-1
	16-QAM	1	0	22.95	23.25	23.27	24.70	0-1
		1	12	22.92	23.11	23.17	24.70	0-1
		1	24	22.98	23.34	23.39	24.70	0-1
		12	0	21.94	22.03	21.96	23.70	0-2
		12	6	21.92	21.94	22.09	23.70	0-2
		12	13	21.99	21.87	22.06	23.70	0-2
		25	0	21.92	21.97	21.94	23.70	0-2
	64-QAM	1	0	21.84	21.81	21.77	23.70	0-2
		1	12	22.03	21.81	21.94	23.70	0-2
		1	24	21.84	21.76	21.89	23.70	0-2
		12	0	21.71	21.70	21.72	22.70	0-3
		12	6	20.78	20.93	20.72	22.70	0-3
		12	13	20.89	20.75	20.81	22.70	0-3
		25	0	20.99	20.76	20.93	22.70	0-3

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LTE Band 4								
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	23.99	23.95	23.87	25.70	0
		1	7	23.95	23.92	23.94	25.70	0
		1	14	23.91	23.82	23.75	25.70	0
		8	0	22.90	22.98	22.94	24.70	0-1
		8	4	23.03	23.03	22.91	24.70	0-1
		8	7	22.99	22.99	22.88	24.70	0-1
		15	0	23.04	23.00	22.87	24.70	0-1
	16-QAM	1	0	22.80	23.25	23.02	24.70	0-1
		1	7	23.12	23.57	23.09	24.70	0-1
		1	14	23.04	23.03	23.45	24.70	0-1
		8	0	22.10	22.07	21.96	23.70	0-2
		8	4	22.15	22.16	22.20	23.70	0-2
		8	7	22.10	22.10	22.08	23.70	0-2
		15	0	22.02	22.12	21.97	23.70	0-2
	64-QAM	1	0	21.92	21.86	21.79	23.70	0-2
		1	7	22.00	21.84	21.95	23.70	0-2
		1	14	21.79	21.72	21.83	23.70	0-2
		8	0	21.72	21.69	21.71	22.70	0-3
		8	4	20.73	20.87	20.70	22.70	0-3
		8	7	20.92	20.77	20.86	22.70	0-3
		15	0	20.97	20.86	20.95	22.70	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	23.97	23.85	23.77	25.70	0
		1	2	23.77	23.95	23.85	25.70	0
		1	5	23.91	23.96	23.85	25.70	0
		3	0	23.94	23.86	23.89	25.70	0
		3	2	23.93	23.91	23.95	25.70	0
		3	3	23.98	23.97	23.83	25.70	0
		6	0	23.04	23.01	22.94	24.70	0-1
	16-QAM	1	0	23.05	23.09	23.20	24.70	0-1
		1	2	23.27	23.39	23.46	24.70	0-1
		1	5	22.83	23.13	22.79	24.70	0-1
		3	0	22.90	22.98	22.98	24.70	0-1
		3	2	22.82	23.11	23.00	24.70	0-1
		3	3	22.98	23.02	22.97	24.70	0-1
		6	0	21.98	22.10	22.00	23.70	0-2
	64-QAM	1	0	21.93	21.86	21.77	23.70	0-2
		1	2	22.02	21.89	21.93	23.70	0-2
		1	5	21.80	21.77	21.87	23.70	0-2
		3	0	21.78	21.74	21.73	23.70	0-2
		3	2	21.77	21.91	21.72	23.70	0-2
		3	3	21.88	21.92	21.77	23.70	0-2
		6	0	20.94	20.76	20.87	22.70	0-3

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LTE Band 5								
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	23.81	23.78	23.57	25.20	0
		1	25	23.85	23.84	23.74	25.20	0
		1	49	23.95	23.79	23.65	25.20	0
		25	0	22.83	22.70	22.66	24.20	0-1
		25	12	22.84	22.80	22.87	24.20	0-1
		25	25	22.82	22.69	22.78	24.20	0-1
		50	0	22.79	22.73	22.70	24.20	0-1
	16-QAM	1	0	23.37	22.92	23.21	24.20	0-1
		1	25	23.10	23.03	22.96	24.20	0-1
		1	49	23.14	23.55	22.90	24.20	0-1
		25	0	21.98	21.98	21.71	23.20	0-2
		25	12	21.99	21.96	21.90	23.20	0-2
		25	25	21.94	21.87	21.82	23.20	0-2
		50	0	21.95	21.94	21.73	23.20	0-2
	64-QAM	1	0	21.88	21.84	21.69	23.20	0-2
		1	25	21.95	21.82	21.79	23.20	0-2
		1	49	21.92	21.76	21.67	23.20	0-2
		25	0	20.90	20.94	20.67	22.20	0-3
		25	12	20.84	20.91	20.59	22.20	0-3
		25	25	20.88	20.93	20.84	22.20	0-3
		50	0	20.85	20.79	20.69	22.20	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	23.88	23.78	23.71	25.20	0
		1	12	23.73	23.80	23.64	25.20	0
		1	24	23.82	23.71	23.63	25.20	0
		12	0	22.88	22.75	22.76	24.20	0-1
		12	6	22.86	22.71	22.78	24.20	0-1
		12	13	22.88	22.66	22.70	24.20	0-1
		25	0	22.88	22.73	22.76	24.20	0-1
	16-QAM	1	0	23.29	23.25	22.90	24.20	0-1
		1	12	23.09	22.85	22.94	24.20	0-1
		1	24	22.99	22.91	22.85	24.20	0-1
		12	0	21.93	21.86	21.83	23.20	0-2
		12	6	21.98	21.86	21.78	23.20	0-2
		12	13	22.00	21.73	21.74	23.20	0-2
		25	0	21.89	21.85	21.75	23.20	0-2
	64-QAM	1	0	21.77	21.76	21.62	23.20	0-2
		1	12	21.84	21.68	21.72	23.20	0-2
		1	24	21.79	21.76	21.57	23.20	0-2
		12	0	20.85	20.88	20.56	22.20	0-3
		12	6	20.81	20.82	20.53	22.20	0-3
		12	13	20.78	20.91	20.75	22.20	0-3
		25	0	20.78	20.70	20.56	22.20	0-3

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LTE Band 5								
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	23.87	23.76	23.70	25.20	0
		1	7	23.90	23.70	23.82	25.20	0
		1	14	23.91	23.63	23.60	25.20	0
		8	0	22.85	22.70	22.64	24.20	0-1
		8	4	22.94	22.70	22.80	24.20	0-1
		8	7	22.79	22.69	22.66	24.20	0-1
		15	0	22.93	22.72	22.72	24.20	0-1
	16-QAM	1	0	23.05	22.89	22.81	24.20	0-1
		1	7	23.47	22.93	22.99	24.20	0-1
		1	14	23.16	22.98	22.90	24.20	0-1
		8	0	22.05	21.80	21.83	23.20	0-2
		8	4	22.00	21.77	21.83	23.20	0-2
		8	7	22.06	21.92	21.72	23.20	0-2
		15	0	21.97	21.83	21.94	23.20	0-2
	64-QAM	1	0	21.62	21.63	21.59	23.20	0-2
		1	7	21.74	21.65	21.65	23.20	0-2
		1	14	21.78	21.62	21.50	23.20	0-2
		8	0	20.78	20.82	20.45	22.20	0-3
		8	4	20.68	20.72	20.38	22.20	0-3
		8	7	20.71	20.80	20.73	22.20	0-3
		15	0	20.73	20.63	20.51	22.20	0-3
Frequency (MHz)				824.7	836.5	848.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20407	20525	20643		
1.4	QPSK	1	0	23.76	23.59	23.57	25.20	0
		1	2	23.92	23.70	23.69	25.20	0
		1	5	23.70	23.64	23.52	25.20	0
		3	0	23.78	23.66	23.54	25.20	0
		3	2	23.69	23.56	23.50	25.20	0
		3	3	23.55	23.44	23.42	25.20	0
		6	0	22.84	22.63	22.61	24.20	0-1
	16-QAM	1	0	22.87	22.83	22.89	24.20	0-1
		1	2	22.98	22.90	22.92	24.20	0-1
		1	5	22.90	22.96	22.93	24.20	0-1
		3	0	22.87	22.80	22.72	24.20	0-1
		3	2	22.98	22.86	22.78	24.20	0-1
		3	3	22.91	22.95	22.69	24.20	0-1
		6	0	21.92	21.77	21.83	23.20	0-2
	64-QAM	1	0	21.67	21.64	21.47	23.20	0-2
		1	2	21.74	21.64	21.58	23.20	0-2
		1	5	21.64	21.66	21.48	23.20	0-2
		3	0	21.58	21.66	21.30	23.20	0-2
		3	2	21.60	21.58	21.30	23.20	0-2
		3	3	21.64	21.66	21.56	23.20	0-2
		6	0	20.64	20.61	20.47	22.20	0-3

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LTE Band 7								
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	23.20	23.24	23.22	25.20	0
		1	50	23.39	23.42	23.27	25.20	0
		1	99	23.40	23.52	23.46	25.20	0
		50	0	22.38	22.44	22.37	24.20	0-1
		50	25	22.40	22.51	22.49	24.20	0-1
		50	50	22.36	22.49	22.49	24.20	0-1
		100	0	22.39	22.50	22.33	24.20	0-1
	16-QAM	1	0	22.56	22.79	22.80	24.20	0-1
		1	50	22.80	22.63	22.46	24.20	0-1
		1	99	22.67	22.88	22.44	24.20	0-1
		50	0	21.53	21.58	21.42	23.20	0-2
		50	25	21.51	21.54	21.40	23.20	0-2
		50	50	21.54	21.59	21.55	23.20	0-2
		100	0	21.51	21.50	21.45	23.20	0-2
	64-QAM	1	0	21.47	21.42	21.37	23.20	0-2
		1	50	21.54	21.46	21.48	23.20	0-2
		1	99	21.40	21.38	21.35	23.20	0-2
		50	0	20.38	20.35	20.26	22.20	0-3
		50	25	20.50	20.39	20.38	22.20	0-3
		50	50	20.37	20.25	20.25	22.20	0-3
		100	0	20.38	20.26	20.35	22.20	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	23.23	23.31	23.28	25.20	0
		1	36	23.27	23.34	23.26	25.20	0
		1	74	23.50	23.38	23.30	25.20	0
		36	0	22.35	22.47	22.30	24.20	0-1
		36	18	22.46	22.42	22.44	24.20	0-1
		36	37	22.45	22.40	22.40	24.20	0-1
		75	0	22.44	22.42	22.42	24.20	0-1
	16-QAM	1	0	22.62	22.52	22.82	24.20	0-1
		1	36	22.51	23.00	22.91	24.20	0-1
		1	74	22.56	22.71	22.81	24.20	0-1
		36	0	21.35	21.50	21.40	23.20	0-2
		36	18	21.47	21.53	21.56	23.20	0-2
		36	37	21.58	21.51	21.42	23.20	0-2
		75	0	21.46	21.59	21.50	23.20	0-2
	64-QAM	1	0	21.36	21.35	21.35	23.20	0-2
		1	36	21.47	21.34	21.45	23.20	0-2
		1	74	21.28	21.37	21.24	23.20	0-2
		36	0	20.32	20.26	20.20	22.20	0-3
		36	18	20.47	20.30	20.27	22.20	0-3
		36	37	20.22	20.25	20.23	22.20	0-3
		75	0	20.32	20.27	20.22	22.20	0-3

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LTE Band 7								
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	23.34	23.39	23.33	25.20	0
		1	25	23.31	23.45	23.29	25.20	0
		1	49	23.44	23.48	23.38	25.20	0
		25	0	22.39	22.40	22.31	24.20	0-1
		25	12	22.38	22.43	22.34	24.20	0-1
		25	25	22.50	22.51	22.41	24.20	0-1
		50	0	22.39	22.46	22.43	24.20	0-1
	16-QAM	1	0	22.21	22.27	22.44	24.20	0-1
		1	25	22.79	23.01	22.58	24.20	0-1
		1	49	22.93	22.72	22.49	24.20	0-1
		25	0	21.47	21.45	21.47	23.20	0-2
		25	12	21.47	21.56	21.45	23.20	0-2
		25	25	21.56	21.61	21.49	23.20	0-2
		50	0	21.57	21.46	21.48	23.20	0-2
	64-QAM	1	0	21.39	21.29	21.28	23.20	0-2
		1	25	21.45	21.41	21.46	23.20	0-2
		1	49	21.39	21.25	21.32	23.20	0-2
		25	0	20.35	20.33	20.24	22.20	0-3
		25	12	20.39	20.37	20.33	22.20	0-3
		25	25	20.30	20.20	20.21	22.20	0-3
		50	0	20.29	20.26	20.26	22.20	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	23.39	23.37	23.28	25.20	0
		1	12	23.39	23.33	23.28	25.20	0
		1	24	23.45	23.33	23.23	25.20	0
		12	0	22.35	22.38	22.31	24.20	0-1
		12	6	22.38	22.52	22.39	24.20	0-1
		12	13	22.41	22.49	22.30	24.20	0-1
		25	0	22.36	22.48	22.34	24.20	0-1
	16-QAM	1	0	22.45	22.88	22.24	24.20	0-1
		1	12	22.78	22.97	22.61	24.20	0-1
		1	24	22.33	22.63	22.36	24.20	0-1
		12	0	21.39	21.51	21.47	23.20	0-2
		12	6	21.44	21.58	21.46	23.20	0-2
		12	13	21.43	21.51	21.34	23.20	0-2
		25	0	21.53	21.49	21.35	23.20	0-2
	64-QAM	1	0	21.41	21.31	21.29	23.20	0-2
		1	12	21.40	21.34	21.46	23.20	0-2
		1	24	21.40	21.27	21.22	23.20	0-2
		12	0	20.36	20.32	20.25	22.20	0-3
		12	6	20.39	20.30	20.32	22.20	0-3
		12	13	20.29	20.24	20.22	22.20	0-3
		25	0	20.33	20.26	20.28	22.20	0-3

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LTE Band 12								
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	23.26	23.33	23.43	25.20	0
		1	25	23.28	23.49	23.45	25.20	0
		1	49	23.48	23.47	23.62	25.20	0
		25	0	22.33	22.51	22.42	24.20	0-1
		25	12	22.48	22.50	22.53	24.20	0-1
		25	25	22.53	22.45	22.70	24.20	0-1
		50	0	22.43	22.51	22.52	24.20	0-1
	16-QAM	1	0	22.39	22.22	22.51	24.20	0-1
		1	25	22.33	22.68	22.85	24.20	0-1
		1	49	22.92	22.77	22.88	24.20	0-1
		25	0	21.42	21.52	21.51	23.20	0-2
		25	12	21.61	21.64	21.64	23.20	0-2
		25	25	21.69	21.54	21.74	23.20	0-2
		50	0	21.56	21.54	21.66	23.20	0-2
	64-QAM	1	0	21.31	21.45	21.48	23.20	0-2
		1	25	21.47	21.50	21.60	23.20	0-2
		1	49	21.66	21.50	21.62	23.20	0-2
		25	0	20.26	20.35	20.34	22.20	0-3
		25	12	20.35	20.37	20.53	22.20	0-3
		25	25	20.48	20.43	20.51	22.20	0-3
		50	0	20.44	20.38	20.48	22.20	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	23.21	23.26	23.42	25.20	0
		1	12	23.34	23.41	23.57	25.20	0
		1	24	23.38	23.50	23.47	25.20	0
		12	0	22.29	22.40	22.47	24.20	0-1
		12	6	22.37	22.47	22.60	24.20	0-1
		12	13	22.52	22.35	22.54	24.20	0-1
		25	0	22.28	22.43	22.55	24.20	0-1
	16-QAM	1	0	22.67	22.82	22.49	24.20	0-1
		1	12	22.66	22.76	22.96	24.20	0-1
		1	24	22.67	22.45	22.97	24.20	0-1
		12	0	21.40	21.49	21.59	23.20	0-2
		12	6	21.49	21.51	21.74	23.20	0-2
		12	13	21.53	21.43	21.61	23.20	0-2
		25	0	21.49	21.53	21.65	23.20	0-2
	64-QAM	1	0	21.26	21.33	21.33	23.20	0-2
		1	12	21.40	21.44	21.56	23.20	0-2
		1	24	21.61	21.50	21.60	23.20	0-2
		12	0	20.23	20.30	20.23	22.20	0-3
		12	6	20.31	20.28	20.45	22.20	0-3
		12	13	20.46	20.29	20.42	22.20	0-3
		25	0	20.30	20.33	20.38	22.20	0-3

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LTE Band 12								
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	23.20	23.22	23.44	25.20	0
		1	7	23.52	23.56	23.59	25.20	0
		1	14	23.27	23.46	23.51	25.20	0
		8	0	22.31	22.39	22.52	24.20	0-1
		8	4	22.39	22.46	22.61	24.20	0-1
		8	7	22.29	22.37	22.52	24.20	0-1
		15	0	22.33	22.40	22.55	24.20	0-1
	16-QAM	1	0	22.68	22.31	22.75	24.20	0-1
		1	7	22.51	22.93	22.86	24.20	0-1
		1	14	23.00	22.40	22.54	24.20	0-1
		8	0	21.45	21.45	21.64	23.20	0-2
		8	4	21.46	21.46	21.77	23.20	0-2
		8	7	21.50	21.54	21.62	23.20	0-2
		15	0	21.33	21.53	21.63	23.20	0-2
	64-QAM	1	0	21.30	21.41	21.34	23.20	0-2
		1	7	21.39	21.40	21.47	23.20	0-2
		1	14	21.59	21.46	21.58	23.20	0-2
		8	0	20.24	20.25	20.32	22.20	0-3
		8	4	20.33	20.29	20.48	22.20	0-3
		8	7	20.34	20.30	20.45	22.20	0-3
		15	0	20.39	20.31	20.34	22.20	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	23.21	23.22	23.57	25.20	0
		1	2	23.25	23.32	23.54	25.20	0
		1	5	23.27	23.39	23.51	25.20	0
		3	0	23.21	23.23	23.42	25.20	0
		3	2	23.31	23.37	23.42	25.20	0
		3	3	23.24	23.27	23.41	25.20	0
		6	0	22.21	22.32	22.56	24.20	0-1
	16-QAM	1	0	22.71	22.61	22.67	24.20	0-1
		1	2	22.77	22.91	22.84	24.20	0-1
		1	5	22.58	22.56	22.84	24.20	0-1
		3	0	22.50	22.53	22.77	24.20	0-1
		3	2	22.32	22.40	22.61	24.20	0-1
		3	3	22.50	22.56	22.74	24.20	0-1
		6	0	21.41	21.45	21.77	23.20	0-2
	64-QAM	1	0	21.25	21.32	21.31	23.20	0-2
		1	2	21.31	21.40	21.45	23.20	0-2
		1	5	21.55	21.45	21.49	23.20	0-2
		3	0	21.28	21.25	21.29	23.20	0-2
		3	2	21.32	21.32	21.56	23.20	0-2
		3	3	21.41	21.28	21.44	23.20	0-2
		6	0	20.35	20.31	20.26	22.20	0-3

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LTE Band 13								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				782	782	782		
Channel				23230	23230	23230		
10	QPSK	1	0	23.98			25.20	0
		1	25	23.64			25.20	0
		1	49	23.68			25.20	0
		25	0	22.90			24.20	0-1
		25	12	22.87			24.20	0-1
		25	25	22.81			24.20	0-1
		50	0	22.71			24.20	0-1
	16-QAM	1	0	22.77			24.20	0-1
		1	25	22.71			24.20	0-1
		1	49	22.74			24.20	0-1
		25	0	21.84			23.20	0-2
		25	12	21.80			23.20	0-2
		25	25	21.73			23.20	0-2
		50	0	21.81			23.20	0-2
	64-QAM	1	0	21.73			23.20	0-2
		1	25	21.68			23.20	0-2
		1	49	21.73			23.20	0-2
		25	0	20.58			22.20	0-3
		25	12	20.49			22.20	0-3
		25	25	20.57			22.20	0-3
		50	0	20.41			22.20	0-3
Frequency (MHz)				779.5	782	784.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23205	23230	23255		
5	QPSK	1	0	23.92	23.79	23.76	25.20	0
		1	12	23.72	23.71	23.63	25.20	0
		1	24	23.73	23.79	23.65	25.20	0
		12	0	22.78	22.76	22.70	24.20	0-1
		12	6	22.81	22.79	22.75	24.20	0-1
		12	13	22.80	22.77	22.78	24.20	0-1
		25	0	22.81	22.78	22.70	24.20	0-1
	16-QAM	1	0	22.71	22.90	22.89	24.20	0-1
		1	12	22.83	22.79	22.67	24.20	0-1
		1	24	22.81	22.77	22.94	24.20	0-1
		12	0	21.91	21.82	21.82	23.20	0-2
		12	6	21.86	21.88	21.91	23.20	0-2
		12	13	21.89	21.91	21.82	23.20	0-2
		25	0	21.83	21.94	21.77	23.20	0-2
	64-QAM	1	0	21.80	21.78	21.86	23.20	0-2
		1	12	21.81	21.88	21.79	23.20	0-2
		1	24	21.69	21.93	21.72	23.20	0-2
		12	0	20.68	20.65	20.71	22.20	0-3
		12	6	20.80	20.87	20.67	22.20	0-3
		12	13	20.66	20.84	20.63	22.20	0-3
		25	0	20.71	20.79	20.64	22.20	0-3

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LTE Band 14								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				793	793	793		
Channel				23330	23330	23330		
10	QPSK	1	0	23.81			25.20	0
		1	25	23.63			25.20	0
		1	49	23.64			25.20	0
		25	0	22.79			24.20	0-1
		25	12	22.69			24.20	0-1
		25	25	22.69			24.20	0-1
		50	0	22.62			24.20	0-1
	16-QAM	1	0	22.58			24.20	0-1
		1	25	22.77			24.20	0-1
		1	49	22.85			24.20	0-1
		25	0	21.90			23.20	0-2
		25	12	21.85			23.20	0-2
		25	25	21.87			23.20	0-2
		50	0	21.86			23.20	0-2
	64-QAM	1	0	21.75			23.20	0-2
		1	25	21.63			23.20	0-2
		1	49	21.73			23.20	0-2
		25	0	20.67			22.20	0-3
		25	12	20.59			22.20	0-3
		25	25	20.62			22.20	0-3
		50	0	20.60			22.20	0-3
Frequency (MHz)				790.5	793	795.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23305	23330	23355		
5	QPSK	1	0	23.61	23.57	23.67	25.20	0
		1	12	23.73	23.65	23.63	25.20	0
		1	24	23.75	23.65	23.69	25.20	0
		12	0	22.65	22.79	22.70	24.20	0-1
		12	6	22.77	22.71	22.73	24.20	0-1
		12	13	22.66	22.67	22.60	24.20	0-1
		25	0	22.65	22.71	22.71	24.20	0-1
	16-QAM	1	0	22.99	22.82	22.88	24.20	0-1
		1	12	22.53	22.77	22.80	24.20	0-1
		1	24	22.86	22.62	22.89	24.20	0-1
		12	0	21.64	21.86	21.90	23.20	0-2
		12	6	21.97	21.87	21.90	23.20	0-2
		12	13	21.83	21.76	21.77	23.20	0-2
		25	0	21.92	21.88	21.74	23.20	0-2
	64-QAM	1	0	21.76	21.72	21.75	23.20	0-2
		1	12	21.81	21.76	21.66	23.20	0-2
		1	24	21.65	21.81	21.60	23.20	0-2
		12	0	20.54	20.58	20.71	22.20	0-3
		12	6	20.69	20.80	20.60	22.20	0-3
		12	13	20.61	20.74	20.49	22.20	0-3
		25	0	20.57	20.72	20.53	22.20	0-3

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LTE Band 17								
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	23.22	23.25	23.22	25.20	0
		1	25	23.23	23.31	23.27	25.20	0
		1	49	23.21	23.21	23.27	25.20	0
		25	0	22.27	22.29	22.24	24.20	0-1
		25	12	22.20	22.24	22.28	24.20	0-1
		25	25	22.23	22.25	22.22	24.20	0-1
		50	0	22.27	22.26	22.26	24.20	0-1
	16-QAM	1	0	22.20	22.26	22.22	24.20	0-1
		1	25	22.22	22.29	22.24	24.20	0-1
		1	49	22.22	22.23	22.22	24.20	0-1
		25	0	21.22	21.27	21.27	23.20	0-2
		25	12	21.24	21.21	21.22	23.20	0-2
		25	25	21.21	21.30	21.28	23.20	0-2
		50	0	21.26	21.25	21.27	23.20	0-2
	64-QAM	1	0	21.27	21.23	21.24	23.20	0-2
		1	25	21.29	21.22	21.25	23.20	0-2
		1	49	21.21	21.24	21.22	23.20	0-2
		25	0	20.30	20.29	20.23	22.20	0-3
		25	12	20.21	20.20	20.22	22.20	0-3
		25	25	20.25	20.26	20.22	22.20	0-3
		50	0	20.28	20.28	20.28	22.20	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	23.22	23.21	23.22	25.20	0
		1	12	23.23	23.27	23.26	25.20	0
		1	24	23.20	23.22	23.24	25.20	0
		12	0	22.24	22.27	22.26	24.20	0-1
		12	6	22.28	22.23	22.27	24.20	0-1
		12	13	22.26	22.26	22.23	24.20	0-1
		25	0	22.22	22.27	22.27	24.20	0-1
	16-QAM	1	0	22.29	22.27	22.29	24.20	0-1
		1	12	22.30	22.26	22.25	24.20	0-1
		1	24	22.29	22.26	22.27	24.20	0-1
		12	0	21.21	21.24	21.21	23.20	0-2
		12	6	21.25	21.22	21.20	23.20	0-2
		12	13	21.27	21.24	21.27	23.20	0-2
		25	0	21.23	21.25	21.30	23.20	0-2
	64-QAM	1	0	21.25	21.24	21.27	23.20	0-2
		1	12	21.30	21.24	21.25	23.20	0-2
		1	24	21.25	21.24	21.28	23.20	0-2
		12	0	20.27	20.23	20.24	22.20	0-3
		12	6	20.21	20.27	20.25	22.20	0-3
		12	13	20.23	20.22	20.22	22.20	0-3
		25	0	20.25	20.21	20.27	22.20	0-3

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LTE Band 25								
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	23.82	23.81	23.70	25.70	0
		1	50	23.81	23.76	23.94	25.70	0
		1	99	23.85	23.85	24.15	25.70	0
		50	0	22.72	22.78	22.76	24.70	0-1
		50	25	22.70	22.79	22.93	24.70	0-1
		50	50	22.83	22.79	23.01	24.70	0-1
		100	0	22.75	22.81	22.94	24.70	0-1
	16-QAM	1	0	22.76	22.81	22.84	24.70	0-1
		1	50	22.78	22.82	23.07	24.70	0-1
		1	99	22.82	22.71	23.39	24.70	0-1
		50	0	21.84	21.83	21.81	23.70	0-2
		50	25	21.79	21.81	21.95	23.70	0-2
		50	50	21.80	21.75	22.11	23.70	0-2
		100	0	21.74	21.80	21.91	23.70	0-2
	64-QAM	1	0	21.82	21.79	21.94	23.70	0-2
		1	50	21.75	21.77	21.99	23.70	0-2
		1	99	21.77	21.76	21.77	23.70	0-2
		50	0	20.85	20.71	20.76	22.70	0-3
		50	25	20.83	20.79	20.79	22.70	0-3
		50	50	20.82	20.73	20.80	22.70	0-3
		100	0	20.84	20.70	20.77	22.70	0-3
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				26115	26365	26615		
15	QPSK	1	0	23.74	23.73	23.71	25.70	0
		1	36	23.77	23.70	23.72	25.70	0
		1	74	23.70	23.81	23.82	25.70	0
		36	0	22.80	22.72	22.81	24.70	0-1
		36	18	22.84	22.76	22.84	24.70	0-1
		36	37	22.85	22.78	22.71	24.70	0-1
		75	0	22.72	22.79	22.78	24.70	0-1
	16-QAM	1	0	22.82	22.72	22.85	24.70	0-1
		1	36	22.78	22.74	22.71	24.70	0-1
		1	74	22.74	22.72	22.70	24.70	0-1
		36	0	21.76	21.74	21.82	23.70	0-2
		36	18	21.72	21.75	21.75	23.70	0-2
		36	37	21.84	21.76	21.85	23.70	0-2
		75	0	21.73	21.84	21.74	23.70	0-2
	64-QAM	1	0	21.72	21.75	21.79	23.70	0-2
		1	36	21.80	21.76	21.83	23.70	0-2
		1	74	21.77	21.80	21.84	23.70	0-2
		36	0	20.72	20.78	20.81	22.70	0-3
		36	18	20.80	20.73	20.78	22.70	0-3
		36	37	20.71	20.84	20.79	22.70	0-3
		75	0	20.70	20.84	20.83	22.70	0-3

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LTE Band 25								
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	23.75	23.81	23.79	25.70	0
		1	25	23.77	23.72	23.74	25.70	0
		1	49	23.74	23.84	23.83	25.70	0
		25	0	22.81	22.79	22.79	24.70	0-1
		25	12	22.73	22.76	22.75	24.70	0-1
		25	25	22.81	22.80	22.80	24.70	0-1
		50	0	22.83	22.78	22.82	24.70	0-1
	16-QAM	1	0	22.81	22.71	22.80	24.70	0-1
		1	25	22.75	22.82	22.78	24.70	0-1
		1	49	22.80	22.77	22.73	24.70	0-1
		25	0	21.82	21.82	21.74	23.70	0-2
		25	12	21.73	21.71	21.73	23.70	0-2
		25	25	21.79	21.71	21.71	23.70	0-2
		50	0	21.76	21.82	21.70	23.70	0-2
	64-QAM	1	0	21.79	21.75	21.72	23.70	0-2
		1	25	21.81	21.78	21.71	23.70	0-2
		1	49	21.77	21.82	21.77	23.70	0-2
		25	0	20.81	20.77	20.75	22.70	0-3
		25	12	20.84	20.80	20.83	22.70	0-3
		25	25	20.73	20.81	20.81	22.70	0-3
		50	0	20.85	20.80	20.84	22.70	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	23.75	23.76	23.82	25.70	0
		1	12	23.74	23.82	23.73	25.70	0
		1	24	23.75	23.74	23.73	25.70	0
		12	0	22.77	22.73	22.84	24.70	0-1
		12	6	22.72	22.78	22.74	24.70	0-1
		12	13	22.77	22.78	22.76	24.70	0-1
		25	0	22.77	22.72	22.77	24.70	0-1
	16-QAM	1	0	22.71	22.74	22.75	24.70	0-1
		1	12	22.82	22.83	22.77	24.70	0-1
		1	24	22.84	22.81	22.74	24.70	0-1
		12	0	21.78	21.80	21.84	23.70	0-2
		12	6	21.72	21.84	21.80	23.70	0-2
		12	13	21.76	21.83	21.85	23.70	0-2
		25	0	21.83	21.76	21.76	23.70	0-2
	64-QAM	1	0	21.76	21.78	21.75	23.70	0-2
		1	12	21.81	21.74	21.76	23.70	0-2
		1	24	21.83	21.73	21.74	23.70	0-2
		12	0	20.79	20.78	20.83	22.70	0-3
		12	6	20.80	20.74	20.78	22.70	0-3
		12	13	20.78	20.72	20.83	22.70	0-3
		25	0	20.72	20.79	20.79	22.70	0-3

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LTE Band 25								
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	23.74	23.75	23.81	25.70	0
		1	7	23.73	23.76	23.82	25.70	0
		1	14	23.80	23.78	23.74	25.70	0
		8	0	22.72	22.81	22.79	24.70	0-1
		8	4	22.74	22.77	22.76	24.70	0-1
		8	7	22.78	22.80	22.79	24.70	0-1
		15	0	22.85	22.76	22.84	24.70	0-1
	16-QAM	1	0	22.72	22.78	22.75	24.70	0-1
		1	7	22.82	22.84	22.83	24.70	0-1
		1	14	22.76	22.72	22.82	24.70	0-1
		8	0	21.78	21.74	21.76	23.70	0-2
		8	4	21.84	21.82	21.74	23.70	0-2
		8	7	21.82	21.72	21.73	23.70	0-2
		15	0	21.82	21.84	21.70	23.70	0-2
	64-QAM	1	0	21.84	21.75	21.81	23.70	0-2
		1	7	21.82	21.84	21.76	23.70	0-2
		1	14	21.72	21.77	21.83	23.70	0-2
		8	0	20.80	20.81	20.83	22.70	0-3
		8	4	20.84	20.73	20.79	22.70	0-3
		8	7	20.85	20.83	20.76	22.70	0-3
		15	0	20.84	20.73	20.85	22.70	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	23.74	23.73	23.75	25.70	0
		1	2	23.73	23.85	23.75	25.70	0
		1	5	23.75	23.71	23.81	25.70	0
		3	0	23.82	23.83	23.81	25.70	0
		3	2	23.83	23.78	23.81	25.70	0
		3	3	23.80	23.82	23.78	25.70	0
		6	0	22.77	22.75	22.74	24.70	0-1
	16-QAM	1	0	22.84	22.75	22.78	24.70	0-1
		1	2	22.81	22.70	22.78	24.70	0-1
		1	5	22.77	22.71	22.73	24.70	0-1
		3	0	22.85	22.88	22.79	24.70	0-1
		3	2	22.84	22.75	22.73	24.70	0-1
		3	3	22.81	22.76	22.79	24.70	0-1
		6	0	21.77	21.76	21.74	23.70	0-2
	64-QAM	1	0	21.83	21.84	21.79	23.70	0-2
		1	2	21.71	21.81	21.78	23.70	0-2
		1	5	21.76	21.80	21.82	23.70	0-2
		3	0	21.77	21.80	21.85	23.70	0-2
		3	2	21.80	21.81	21.79	23.70	0-2
		3	3	21.87	21.74	21.81	23.70	0-2
		6	0	20.74	20.73	20.74	22.70	0-3

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LTE Band 26								
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	23.65	23.78	23.70	25.20	0
		1	36	23.73	23.71	23.77	25.20	0
		1	74	23.88	23.67	23.61	25.20	0
		36	0	22.83	22.79	22.64	24.20	0-1
		36	18	22.95	22.75	22.71	24.20	0-1
		36	37	22.93	22.78	22.74	24.20	0-1
		75	0	22.90	22.82	22.74	24.20	0-1
	16-QAM	1	0	22.91	22.87	22.87	24.20	0-1
		1	36	22.96	23.00	22.90	24.20	0-1
		1	74	22.94	22.97	22.95	24.20	0-1
		36	0	21.93	21.92	21.72	23.20	0-2
		36	18	21.90	21.91	21.74	23.20	0-2
		36	37	21.95	21.91	21.86	23.20	0-2
		75	0	21.99	21.94	21.74	23.20	0-2
	64-QAM	1	0	21.88	21.87	21.62	23.20	0-2
		1	36	21.93	21.81	21.66	23.20	0-2
		1	74	21.94	21.86	21.85	23.20	0-2
		36	0	20.84	20.81	20.48	22.20	0-3
		36	18	20.78	20.73	20.55	22.20	0-3
		36	37	20.90	20.77	20.81	22.20	0-3
		75	0	20.88	20.74	20.80	22.20	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	23.59	23.61	23.67	25.20	0
		1	25	23.85	23.60	23.69	25.20	0
		1	49	23.71	23.62	23.49	25.20	0
		25	0	22.79	22.67	22.68	24.20	0-1
		25	12	22.82	22.71	22.70	24.20	0-1
		25	25	22.82	22.72	22.70	24.20	0-1
		50	0	22.81	22.73	22.61	24.20	0-1
	16-QAM	1	0	22.85	22.86	22.99	24.20	0-1
		1	25	22.99	22.96	22.95	24.20	0-1
		1	49	22.93	22.90	22.83	24.20	0-1
		25	0	21.88	21.86	21.79	23.20	0-2
		25	12	22.00	21.84	21.85	23.20	0-2
		25	25	21.84	21.82	21.71	23.20	0-2
		50	0	21.87	21.78	21.77	23.20	0-2
	64-QAM	1	0	21.86	21.75	21.56	23.20	0-2
		1	25	21.89	21.67	21.55	23.20	0-2
		1	49	21.80	21.81	21.70	23.20	0-2
		25	0	20.82	20.69	20.33	22.20	0-3
		25	12	20.70	20.59	20.43	22.20	0-3
		25	25	20.81	20.75	20.66	22.20	0-3
		50	0	20.85	20.69	20.72	22.20	0-3

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LTE Band 26								
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	23.81	23.73	23.61	25.20	0
		1	12	23.82	23.66	23.55	25.20	0
		1	24	23.73	23.76	23.43	25.20	0
		12	0	22.83	22.73	22.62	24.20	0-1
		12	6	22.82	22.74	22.62	24.20	0-1
		12	13	22.76	22.68	22.61	24.20	0-1
		25	0	22.82	22.66	22.65	24.20	0-1
	16-QAM	1	0	22.92	22.72	22.88	24.20	0-1
		1	12	22.93	22.85	22.75	24.20	0-1
		1	24	22.89	22.92	22.74	24.20	0-1
		12	0	21.79	21.73	21.75	23.20	0-2
		12	6	21.82	21.83	21.75	23.20	0-2
		12	13	21.85	21.82	21.60	23.20	0-2
		25	0	21.95	21.77	21.62	23.20	0-2
	64-QAM	1	0	21.82	21.75	21.58	23.20	0-2
		1	12	21.83	21.70	21.54	23.20	0-2
		1	24	21.81	21.76	21.79	23.20	0-2
		12	0	20.72	20.71	20.35	22.20	0-3
		12	6	20.75	20.62	20.42	22.20	0-3
		12	13	20.81	20.73	20.71	22.20	0-3
		25	0	20.74	20.68	20.70	22.20	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	23.78	23.66	23.65	25.20	0
		1	7	23.77	23.74	23.70	25.20	0
		1	14	23.60	23.65	23.57	25.20	0
		8	0	22.77	22.67	22.62	24.20	0-1
		8	4	22.85	22.73	22.65	24.20	0-1
		8	7	22.77	22.72	22.61	24.20	0-1
		15	0	22.80	22.69	22.65	24.20	0-1
	16-QAM	1	0	22.85	22.81	22.95	24.20	0-1
		1	7	22.86	22.88	22.77	24.20	0-1
		1	14	22.90	22.80	22.61	24.20	0-1
		8	0	21.92	21.96	21.77	23.20	0-2
		8	4	21.93	21.95	21.77	23.20	0-2
		8	7	21.91	21.85	21.75	23.20	0-2
		15	0	21.92	21.76	21.72	23.20	0-2
	64-QAM	1	0	21.79	21.61	21.51	23.20	0-2
		1	7	21.71	21.69	21.50	23.20	0-2
		1	14	21.70	21.73	21.75	23.20	0-2
		8	0	20.59	20.62	20.25	22.20	0-3
		8	4	20.73	20.54	20.35	22.20	0-3
		8	7	20.72	20.65	20.63	22.20	0-3
		15	0	20.74	20.58	20.69	22.20	0-3

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LTE Band 26								
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	23.75	23.68	23.52	25.20	0
		1	2	23.71	23.78	23.59	25.20	0
		1	5	23.72	23.64	23.46	25.20	0
		3	0	23.56	23.46	23.48	25.20	0
		3	2	23.65	23.59	23.40	25.20	0
		3	3	23.57	23.52	23.39	25.20	0
		6	0	22.73	22.71	22.61	24.20	0-1
	16-QAM	1	0	22.88	22.83	22.95	24.20	0-1
		1	2	22.90	22.94	22.86	24.20	0-1
		1	5	22.91	22.80	22.89	24.20	0-1
		3	0	22.89	22.69	22.47	24.20	0-1
		3	2	22.83	22.81	22.63	24.20	0-1
		3	3	22.78	22.67	22.46	24.20	0-1
		6	0	21.89	21.77	21.73	23.20	0-2
	64-QAM	1	0	21.70	21.74	21.58	23.20	0-2
		1	2	21.78	21.67	21.52	23.20	0-2
		1	5	21.75	21.66	21.74	23.20	0-2
		3	0	21.76	21.72	21.30	23.20	0-2
		3	2	21.74	21.57	21.43	23.20	0-2
		3	3	21.72	21.74	21.60	23.20	0-2
		6	0	20.66	20.54	20.56	22.20	0-3

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LTE Band 30								
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	21.59			21.90	0
		1	25	21.55			21.90	0
		1	49	21.56			21.90	0
		25	0	20.54			20.90	0-1
		25	12	20.61			20.90	0-1
		25	25	20.64			20.90	0-1
		50	0	20.58			20.90	0-1
	16-QAM	1	0	20.87			20.90	0-1
		1	25	20.88			20.90	0-1
		1	49	20.90			20.90	0-1
		25	0	19.56			19.90	0-2
		25	12	19.62			19.90	0-2
		25	25	19.71			19.90	0-2
		50	0	19.65			19.90	0-2
	64-QAM	1	0	19.25			19.90	0-2
		1	25	19.24			19.90	0-2
		1	49	19.32			19.90	0-2
		25	0	18.14			18.90	0-3
		25	12	18.23			18.90	0-3
		25	25	18.02			18.90	0-3
		50	0	18.09			18.90	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	21.19	21.09	21.47	21.90	0
		1	12	21.45	21.48	21.43	21.90	0
		1	24	21.01	21.28	21.28	21.90	0
		12	0	20.53	20.48	20.54	20.90	0-1
		12	6	20.57	20.53	20.60	20.90	0-1
		12	13	20.48	20.53	20.48	20.90	0-1
		25	0	20.56	20.50	20.57	20.90	0-1
	16-QAM	1	0	20.81	20.81	20.80	20.90	0-1
		1	12	20.81	20.82	20.77	20.90	0-1
		1	24	20.80	20.74	20.83	20.90	0-1
		12	0	19.58	19.54	19.61	19.90	0-2
		12	6	19.68	19.59	19.69	19.90	0-2
		12	13	19.58	19.60	19.57	19.90	0-2
		25	0	19.63	19.57	19.62	19.90	0-2
	64-QAM	1	0	19.30	19.44	19.25	19.90	0-2
		1	12	19.25	19.23	19.14	19.90	0-2
		1	24	19.13	19.09	19.15	19.90	0-2
		12	0	18.15	18.38	18.21	18.90	0-3
		12	6	18.19	18.23	18.16	18.90	0-3
		12	13	18.14	18.18	18.13	18.90	0-3
		25	0	18.14	18.15	18.10	18.90	0-3

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LTE Band 66								
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	23.79	23.69	23.70	25.20	0
		1	50	23.61	23.69	23.25	25.20	0
		1	99	23.58	23.46	23.46	25.20	0
		50	0	22.60	22.72	22.80	24.20	0-1
		50	25	22.76	22.72	22.76	24.20	0-1
		50	50	22.71	22.67	22.66	24.20	0-1
		100	0	22.75	22.63	22.79	24.20	0-1
	16-QAM	1	0	23.08	23.03	22.90	24.20	0-1
		1	50	22.93	22.64	22.82	24.20	0-1
		1	99	22.76	22.87	22.96	24.20	0-1
		50	0	21.68	21.94	21.80	23.20	0-2
		50	25	21.81	21.77	21.72	23.20	0-2
		50	50	21.80	21.78	21.78	23.20	0-2
		100	0	21.72	21.80	21.77	23.20	0-2
	64-QAM	1	0	21.71	21.68	21.64	23.20	0-2
		1	50	21.68	21.75	21.77	23.20	0-2
		1	99	21.60	21.76	21.71	23.20	0-2
		50	0	20.68	20.57	20.61	22.20	0-3
		50	25	20.61	20.62	20.76	22.20	0-3
		50	50	20.47	20.64	20.59	22.20	0-3
		100	0	20.55	20.59	20.67	22.20	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	23.55	23.73	23.65	25.20	0
		1	36	23.57	23.66	23.61	25.20	0
		1	74	23.54	23.63	23.51	25.20	0
		36	0	22.61	22.70	22.74	24.20	0-1
		36	18	22.67	22.75	22.66	24.20	0-1
		36	37	22.77	22.63	22.63	24.20	0-1
		75	0	22.70	22.71	22.65	24.20	0-1
	16-QAM	1	0	22.77	22.86	22.93	24.20	0-1
		1	36	22.82	22.95	22.87	24.20	0-1
		1	74	22.79	22.85	22.77	24.20	0-1
		36	0	21.66	21.79	21.70	23.20	0-2
		36	18	21.73	21.80	21.73	23.20	0-2
		36	37	21.86	21.73	21.71	23.20	0-2
		75	0	21.72	21.83	21.73	23.20	0-2
	64-QAM	1	0	21.67	21.65	21.54	23.20	0-2
		1	36	21.57	21.69	21.75	23.20	0-2
		1	74	21.58	21.69	21.58	23.20	0-2
		36	0	20.63	20.50	20.49	22.20	0-3
		36	18	20.49	20.48	20.75	22.20	0-3
		36	37	20.41	20.59	20.47	22.20	0-3
		75	0	20.53	20.50	20.67	22.20	0-3

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LTE Band 66								
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	23.54	23.68	23.57	25.20	0
		1	25	23.57	23.71	23.67	25.20	0
		1	49	23.42	23.63	23.55	25.20	0
		25	0	22.67	22.76	22.66	24.20	0-1
		25	12	22.61	22.75	22.67	24.20	0-1
		25	25	22.62	22.76	22.63	24.20	0-1
		50	0	22.63	22.67	22.57	24.20	0-1
	16-QAM	1	0	23.06	23.06	23.04	24.20	0-1
		1	25	23.09	22.81	23.02	24.20	0-1
		1	49	23.05	22.94	22.77	24.20	0-1
		25	0	21.80	21.69	21.74	23.20	0-2
		25	12	21.74	21.80	21.75	23.20	0-2
		25	25	21.67	21.69	21.70	23.20	0-2
		50	0	21.78	21.84	21.73	23.20	0-2
	64-QAM	1	0	21.64	21.58	21.56	23.20	0-2
		1	25	21.67	21.70	21.75	23.20	0-2
		1	49	21.52	21.66	21.61	23.20	0-2
		25	0	20.64	20.45	20.56	22.20	0-3
		25	12	20.51	20.55	20.67	22.20	0-3
		25	25	20.44	20.51	20.48	22.20	0-3
		50	0	20.49	20.45	20.59	22.20	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	23.62	23.59	23.59	25.20	0
		1	12	23.54	23.68	23.65	25.20	0
		1	24	23.47	23.63	23.55	25.20	0
		12	0	22.57	22.69	22.61	24.20	0-1
		12	6	22.61	22.71	22.73	24.20	0-1
		12	13	22.58	22.72	22.59	24.20	0-1
		25	0	22.71	22.76	22.70	24.20	0-1
	16-QAM	1	0	23.03	23.11	23.07	24.20	0-1
		1	12	23.08	23.07	22.69	24.20	0-1
		1	24	22.70	22.91	23.11	24.20	0-1
		12	0	21.69	21.84	21.69	23.20	0-2
		12	6	21.75	21.80	21.74	23.20	0-2
		12	13	21.63	21.81	21.70	23.20	0-2
		25	0	21.71	21.72	21.68	23.20	0-2
	64-QAM	1	0	21.63	21.48	21.49	23.20	0-2
		1	12	21.63	21.63	21.63	23.20	0-2
		1	24	21.48	21.56	21.54	23.20	0-2
		12	0	20.57	20.40	20.50	22.20	0-3
		12	6	20.51	20.55	20.57	22.20	0-3
		12	13	20.44	20.39	20.47	22.20	0-3
		25	0	20.35	20.41	20.54	22.20	0-3

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LTE Band 66								
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	23.55	23.53	23.65	25.20	0
		1	7	23.60	23.66	23.72	25.20	0
		1	14	23.42	23.62	23.50	25.20	0
		8	0	22.59	22.64	22.57	24.20	0-1
		8	4	22.60	22.80	22.60	24.20	0-1
		8	7	22.61	22.65	22.66	24.20	0-1
		15	0	22.69	22.64	22.60	24.20	0-1
	16-QAM	1	0	23.04	23.04	23.12	24.20	0-1
		1	7	22.70	23.30	22.59	24.20	0-1
		1	14	22.61	23.01	22.69	24.20	0-1
		8	0	21.70	21.82	21.70	23.20	0-2
		8	4	21.61	21.94	21.76	23.20	0-2
		8	7	21.79	21.71	21.71	23.20	0-2
		15	0	21.68	21.87	21.62	23.20	0-2
	64-QAM	1	0	21.49	21.52	21.43	23.20	0-2
		1	7	21.55	21.63	21.66	23.20	0-2
		1	14	21.44	21.58	21.61	23.20	0-2
		8	0	20.51	20.31	20.46	22.20	0-3
		8	4	20.45	20.50	20.57	22.20	0-3
		8	7	20.43	20.45	20.35	22.20	0-3
		15	0	20.45	20.43	20.51	22.20	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	23.46	23.58	23.52	25.20	0
		1	2	23.51	23.64	23.52	25.20	0
		1	5	23.51	23.63	23.49	25.20	0
		3	0	23.55	23.58	23.64	25.20	0
		3	2	23.54	23.73	23.62	25.20	0
		3	3	23.49	23.67	23.55	25.20	0
		6	0	22.60	22.60	22.62	24.20	0-1
	16-QAM	1	0	22.35	22.65	22.49	24.20	0-1
		1	2	22.68	22.62	23.08	24.20	0-1
		1	5	22.77	22.94	22.68	24.20	0-1
		3	0	22.47	22.74	22.67	24.20	0-1
		3	2	22.54	22.59	22.60	24.20	0-1
		3	3	22.54	22.67	22.58	24.20	0-1
		6	0	21.79	21.76	21.68	23.20	0-2
	64-QAM	1	0	21.46	21.37	21.37	23.20	0-2
		1	2	21.54	21.59	21.54	23.20	0-2
		1	5	21.38	21.56	21.47	23.20	0-2
		3	0	21.48	21.30	21.33	23.20	0-2
		3	2	21.40	21.48	21.52	23.20	0-2
		3	3	21.46	21.51	21.33	23.20	0-2
		6	0	20.36	20.39	20.43	22.20	0-3

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LTE Band 71								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	683	688		
Channel				133222	133322	133372		
20	QPSK	1	0	23.29	23.23	23.33	25.20	0
		1	50	23.29	23.20	23.21	25.20	0
		1	99	23.22	23.29	23.20	25.20	0
		50	0	22.21	22.26	22.28	24.20	0-1
		50	25	22.24	22.25	22.27	24.20	0-1
		50	50	22.21	22.24	22.23	24.20	0-1
		100	0	22.27	22.21	22.26	24.20	0-1
	16-QAM	1	0	22.27	22.28	22.25	24.20	0-1
		1	50	22.26	22.29	22.26	24.20	0-1
		1	99	22.21	22.27	22.21	24.20	0-1
		50	0	21.24	21.21	21.24	23.20	0-2
		50	25	21.23	21.22	21.29	23.20	0-2
		50	50	21.27	21.27	21.27	23.20	0-2
		100	0	21.28	21.22	21.27	23.20	0-2
	64-QAM	1	0	21.24	21.21	21.26	23.20	0-2
		1	50	21.26	21.25	21.21	23.20	0-2
		1	99	21.26	21.24	21.21	23.20	0-2
		50	0	20.22	20.27	20.24	22.20	0-3
		50	25	20.29	20.23	20.29	22.20	0-3
		50	50	20.27	20.26	20.22	22.20	0-3
		100	0	20.29	20.25	20.26	22.20	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	23.28	23.29	23.25	25.20	0
		1	36	23.27	23.23	23.24	25.20	0
		1	74	23.22	23.21	23.24	25.20	0
		36	0	22.21	22.21	22.26	24.20	0-1
		36	18	22.22	22.30	22.23	24.20	0-1
		36	37	22.24	22.25	22.26	24.20	0-1
		75	0	22.25	22.29	22.22	24.20	0-1
	16-QAM	1	0	22.30	22.25	22.22	24.20	0-1
		1	36	22.22	22.28	22.28	24.20	0-1
		1	74	22.26	22.30	22.30	24.20	0-1
		36	0	21.26	21.26	21.22	23.20	0-2
		36	18	21.21	21.20	21.26	23.20	0-2
		36	37	21.22	21.29	21.25	23.20	0-2
		75	0	21.25	21.23	21.23	23.20	0-2
	64-QAM	1	0	21.20	21.23	21.30	23.20	0-2
		1	36	21.21	21.26	21.28	23.20	0-2
		1	74	21.23	21.27	21.29	23.20	0-2
		36	0	20.29	20.24	20.23	22.20	0-3
		36	18	20.30	20.27	20.30	22.20	0-3
		36	37	20.20	20.24	20.23	22.20	0-3
		75	0	20.24	20.22	20.26	22.20	0-3

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LTE Band 71								
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	23.27	23.20	23.21	25.20	0
		1	25	23.30	23.29	23.21	25.20	0
		1	49	23.22	23.24	23.23	25.20	0
		25	0	22.26	22.21	22.22	24.20	0-1
		25	12	22.30	22.28	22.23	24.20	0-1
		25	25	22.29	22.21	22.20	24.20	0-1
		50	0	22.30	22.21	22.30	24.20	0-1
	16-QAM	1	0	22.28	22.22	22.20	24.20	0-1
		1	25	22.29	22.26	22.22	24.20	0-1
		1	49	22.21	22.27	22.26	24.20	0-1
		25	0	21.22	21.26	21.22	23.20	0-2
		25	12	21.23	21.25	21.20	23.20	0-2
		25	25	21.22	21.22	21.22	23.20	0-2
		50	0	21.21	21.21	21.26	23.20	0-2
	64-QAM	1	0	21.24	21.28	21.26	23.20	0-2
		1	25	21.20	21.26	21.25	23.20	0-2
		1	49	21.20	21.20	21.27	23.20	0-2
		25	0	20.26	20.22	20.25	22.20	0-3
		25	12	20.30	20.24	20.26	22.20	0-3
		25	25	20.23	20.22	20.29	22.20	0-3
		50	0	20.23	20.28	20.24	22.20	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	23.25	23.23	23.21	25.20	0
		1	12	23.30	23.20	23.20	25.20	0
		1	24	23.26	23.27	23.26	25.20	0
		12	0	22.20	22.30	22.28	24.20	0-1
		12	6	22.30	22.23	22.21	24.20	0-1
		12	13	22.25	22.25	22.22	24.20	0-1
		25	0	22.23	22.30	22.22	24.20	0-1
	16-QAM	1	0	22.21	22.30	22.24	24.20	0-1
		1	12	22.24	22.20	22.23	24.20	0-1
		1	24	22.30	22.21	22.29	24.20	0-1
		12	0	21.29	21.22	21.22	23.20	0-2
		12	6	21.21	21.24	21.23	23.20	0-2
		12	13	21.25	21.28	21.23	23.20	0-2
		25	0	21.23	21.24	21.26	23.20	0-2
	64-QAM	1	0	21.20	21.27	21.28	23.20	0-2
		1	12	21.27	21.25	21.22	23.20	0-2
		1	24	21.27	21.21	21.20	23.20	0-2
		12	0	20.23	20.29	20.28	22.20	0-3
		12	6	20.25	20.29	20.22	22.20	0-3
		12	13	20.21	20.25	20.20	22.20	0-3
		25	0	20.29	20.27	20.23	22.20	0-3

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1.3.5 Full power-LTE TDD

LTE TDD Band 38 / Band 41 power table:

LTE Band 38								
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	23.67	23.68	23.61	25.20	0
		1	50	23.63	23.74	23.64	25.20	0
		1	99	23.69	23.58	23.55	25.20	0
		50	0	22.62	22.79	22.55	24.20	0-1
		50	25	22.71	22.69	22.63	24.20	0-1
		50	50	22.71	22.73	22.78	24.20	0-1
		100	0	22.87	22.78	22.52	24.20	0-1
	16-QAM	1	0	22.71	22.72	22.74	24.20	0-1
		1	50	22.82	22.85	22.81	24.20	0-1
		1	99	22.65	22.64	22.71	24.20	0-1
		50	0	21.72	21.72	21.66	23.20	0-2
		50	25	21.91	21.72	21.65	23.20	0-2
		50	50	21.98	21.77	21.89	23.20	0-2
		100	0	21.83	21.82	21.65	23.20	0-2
	64-QAM	1	0	21.89	21.66	21.65	23.20	0-2
		1	50	21.86	21.65	21.88	23.20	0-2
		1	99	21.82	21.76	21.61	23.20	0-2
		50	0	20.87	20.59	20.54	22.20	0-3
		50	25	20.85	20.53	20.81	22.20	0-3
		50	50	20.80	20.74	20.58	22.20	0-3
		100	0	20.78	20.70	20.61	22.20	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	23.68	23.61	23.58	25.20	0
		1	36	23.54	23.51	23.65	25.20	0
		1	74	23.56	23.54	23.47	25.20	0
		36	0	22.59	22.56	22.45	24.20	0-1
		36	18	22.69	22.68	22.65	24.20	0-1
		36	37	22.73	22.64	22.49	24.20	0-1
		75	0	22.79	22.56	22.51	24.20	0-1
	16-QAM	1	0	22.74	22.72	22.58	24.20	0-1
		1	36	22.76	22.72	22.58	24.20	0-1
		1	74	22.70	22.68	22.61	24.20	0-1
		36	0	21.65	21.73	21.52	23.20	0-2
		36	18	21.66	21.74	21.71	23.20	0-2
		36	37	21.80	21.61	21.66	23.20	0-2
		75	0	21.79	21.68	21.67	23.20	0-2
	64-QAM	1	0	21.79	21.61	21.61	23.20	0-2
		1	36	21.84	21.57	21.81	23.20	0-2
		1	74	21.76	21.64	21.57	23.20	0-2
		36	0	20.78	20.50	20.42	22.20	0-3
		36	18	20.73	20.49	20.79	22.20	0-3
		36	37	20.75	20.61	20.52	22.20	0-3
		75	0	20.70	20.60	20.52	22.20	0-3

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LTE Band 38								
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	23.62	23.61	23.65	25.20	0
		1	25	23.60	23.53	23.55	25.20	0
		1	49	23.47	23.53	23.60	25.20	0
		25	0	22.66	22.54	22.69	24.20	0-1
		25	12	22.66	22.67	22.61	24.20	0-1
		25	25	22.63	22.54	22.66	24.20	0-1
		50	0	22.70	22.70	22.64	24.20	0-1
	16-QAM	1	0	22.83	22.62	22.74	24.20	0-1
		1	25	22.61	22.65	22.68	24.20	0-1
		1	49	22.58	22.63	22.61	24.20	0-1
		25	0	21.67	21.75	21.71	23.20	0-2
		25	12	21.68	21.67	21.62	23.20	0-2
		25	25	21.74	21.75	21.68	23.20	0-2
		50	0	21.71	21.70	21.65	23.20	0-2
	64-QAM	1	0	21.79	21.62	21.63	23.20	0-2
		1	25	21.78	21.65	21.80	23.20	0-2
		1	49	21.82	21.71	21.59	23.20	0-2
		25	0	20.75	20.58	20.46	22.20	0-3
		25	12	20.72	20.53	20.81	22.20	0-3
		25	25	20.74	20.66	20.49	22.20	0-3
		50	0	20.69	20.62	20.46	22.20	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	23.62	23.60	23.49	25.20	0
		1	12	23.53	23.63	23.56	25.20	0
		1	24	23.46	23.52	23.45	25.20	0
		12	0	22.59	22.61	22.68	24.20	0-1
		12	6	22.59	22.64	22.70	24.20	0-1
		12	13	22.56	22.63	22.65	24.20	0-1
		25	0	22.57	22.62	22.56	24.20	0-1
	16-QAM	1	0	22.68	22.76	22.58	24.20	0-1
		1	12	22.77	22.66	22.60	24.20	0-1
		1	24	22.63	22.69	22.64	24.20	0-1
		12	0	21.63	21.66	21.62	23.20	0-2
		12	6	21.64	21.68	21.65	23.20	0-2
		12	13	21.70	21.68	21.60	23.20	0-2
		25	0	21.69	21.74	21.68	23.20	0-2
	64-QAM	1	0	21.67	21.62	21.49	23.20	0-2
		1	12	21.68	21.64	21.68	23.20	0-2
		1	24	21.80	21.61	21.50	23.20	0-2
		12	0	20.71	20.53	20.37	22.20	0-3
		12	6	20.60	20.53	20.78	22.20	0-3
		12	13	20.66	20.55	20.36	22.20	0-3
		25	0	20.55	20.60	20.32	22.20	0-3

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LTE Band 41											
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	23.51	23.63	23.52	23.58	23.73	25.20	0
		1	50	23.47	23.40	23.64	23.41	23.57	25.20	0
		1	99	23.25	23.35	23.35	23.42	23.48	25.20	0
		50	0	22.63	22.62	22.53	22.61	22.38	24.20	0-1
		50	25	22.59	22.61	22.32	22.52	22.59	24.20	0-1
		50	50	22.51	22.40	22.47	22.49	22.39	24.20	0-1
		100	0	22.55	22.62	22.62	22.53	22.48	24.20	0-1
	16-QAM	1	0	22.86	22.80	22.65	22.74	22.72	24.20	0-1
		1	50	22.77	22.74	22.64	22.49	22.62	24.20	0-1
		1	99	22.80	22.46	22.34	22.38	22.40	24.20	0-1
		50	0	21.64	21.60	21.49	21.63	21.58	23.20	0-2
		50	25	21.61	21.65	21.49	21.63	21.68	23.20	0-2
		50	50	21.65	21.67	21.43	21.70	21.59	23.20	0-2
		100	0	21.80	21.68	21.59	21.64	21.48	23.20	0-2
	64-QAM	1	0	21.50	21.55	21.35	21.49	21.57	23.20	0-2
		1	50	21.61	21.61	21.44	21.51	21.62	23.20	0-2
		1	99	21.63	21.64	21.40	21.70	21.52	23.20	0-2
		50	0	20.42	20.47	20.22	20.45	20.49	22.20	0-3
		50	25	20.59	20.53	20.32	20.37	20.61	22.20	0-3
		50	50	20.49	20.61	20.37	20.66	20.47	22.20	0-3
		100	0	20.54	20.57	20.40	20.51	20.49	22.20	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	23.38	23.58	23.34	23.61	23.49	25.20	0
		1	36	23.35	23.56	23.60	23.43	23.34	25.20	0
		1	74	23.34	23.38	23.26	23.45	23.27	25.20	0
		36	0	22.60	22.62	22.53	22.56	22.64	24.20	0-1
		36	18	22.59	22.62	22.42	22.54	22.62	24.20	0-1
		36	37	22.56	22.40	22.48	22.55	22.54	24.20	0-1
		75	0	22.55	22.51	22.51	22.56	22.60	24.20	0-1
	16-QAM	1	0	22.80	22.63	22.28	22.76	22.75	24.20	0-1
		1	36	22.41	22.61	22.49	22.70	22.67	24.20	0-1
		1	74	22.73	22.39	22.67	22.65	22.59	24.20	0-1
		36	0	21.70	21.54	21.46	21.64	21.68	23.20	0-2
		36	18	21.67	21.44	21.45	21.62	21.67	23.20	0-2
		36	37	21.66	21.55	21.52	21.63	21.49	23.20	0-2
		75	0	21.81	21.50	21.50	21.68	21.59	23.20	0-2
	64-QAM	1	0	21.39	21.40	21.33	21.48	21.51	23.20	0-2
		1	36	21.61	21.51	21.41	21.47	21.58	23.20	0-2
		1	74	21.60	21.63	21.26	21.57	21.45	23.20	0-2
		36	0	20.35	20.46	20.20	20.44	20.35	22.20	0-3
		36	18	20.46	20.43	20.25	20.34	20.51	22.20	0-3
		36	37	20.45	20.46	20.23	20.54	20.41	22.20	0-3
		75	0	20.47	20.43	20.30	20.50	20.48	22.20	0-3

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LTE Band 41											
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	23.46	23.60	23.48	23.57	23.67	25.20	0
		1	25	23.33	23.55	23.52	23.59	23.42	25.20	0
		1	49	23.27	23.45	23.65	23.56	23.61	25.20	0
		25	0	22.41	22.39	22.60	22.51	22.60	24.20	0-1
		25	12	22.51	22.51	22.39	22.52	22.44	24.20	0-1
		25	25	22.41	22.42	22.49	22.57	22.46	24.20	0-1
		50	0	22.53	22.43	22.56	22.57	22.43	24.20	0-1
	16-QAM	1	0	22.62	22.35	22.67	22.62	22.93	24.20	0-1
		1	25	22.63	22.36	22.54	22.64	22.72	24.20	0-1
		1	49	22.53	22.54	22.56	22.57	22.59	24.20	0-1
		25	0	21.57	21.68	21.60	21.55	21.70	23.20	0-2
		25	12	21.47	21.70	21.60	21.55	21.63	23.20	0-2
		25	25	21.36	21.62	21.42	21.69	21.57	23.20	0-2
		50	0	21.68	21.51	21.64	21.58	21.63	23.20	0-2
	64-QAM	1	0	21.43	21.47	21.26	21.37	21.52	23.20	0-2
		1	25	21.56	21.48	21.30	21.39	21.56	23.20	0-2
		1	49	21.49	21.52	21.27	21.57	21.51	23.20	0-2
		25	0	20.30	20.36	20.24	20.36	20.36	22.20	0-3
		25	12	20.59	20.49	20.22	20.35	20.60	22.20	0-3
		25	25	20.34	20.53	20.29	20.59	20.40	22.20	0-3
		50	0	20.47	20.49	20.39	20.39	20.35	22.20	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	23.59	23.32	23.38	23.58	23.57	25.20	0
		1	12	23.43	23.34	23.38	23.54	23.45	25.20	0
		1	24	23.56	23.33	23.34	23.45	23.54	25.20	0
		12	0	22.54	22.55	22.54	22.60	22.68	24.20	0-1
		12	6	22.52	22.37	22.36	22.62	22.53	24.20	0-1
		12	13	22.45	22.33	22.43	22.61	22.58	24.20	0-1
		25	0	22.40	22.35	22.43	22.43	22.63	24.20	0-1
	16-QAM	1	0	22.40	22.46	22.50	22.52	22.60	24.20	0-1
		1	12	22.50	22.66	22.48	22.59	22.46	24.20	0-1
		1	24	22.69	22.70	22.70	22.76	22.70	24.20	0-1
		12	0	21.61	21.57	21.46	21.68	21.63	23.20	0-2
		12	6	21.60	21.50	21.59	21.69	21.59	23.20	0-2
		12	13	21.43	21.36	21.35	21.67	21.42	23.20	0-2
		25	0	21.56	21.55	21.43	21.76	21.75	23.20	0-2
	64-QAM	1	0	21.40	21.43	21.23	21.35	21.47	23.20	0-2
		1	12	21.53	21.42	21.24	21.32	21.52	23.20	0-2
		1	24	21.41	21.48	21.25	21.57	21.47	23.20	0-2
		12	0	20.25	20.28	20.21	20.30	20.26	22.20	0-3
		12	6	20.52	20.42	20.20	20.25	20.52	22.20	0-3
		12	13	20.25	20.52	20.26	20.53	20.31	22.20	0-3
		25	0	20.42	20.41	20.32	20.39	20.32	22.20	0-3

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LTE Band 41(HPUE)											
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	25.46	25.59	25.46	25.52	25.66	27.20	0
		1	50	25.45	25.33	25.64	25.40	25.52	27.20	0
		1	99	25.29	25.30	25.26	25.40	25.40	27.20	0
		50	0	24.61	24.60	24.44	24.53	24.32	26.20	0-1
		50	25	24.55	24.57	24.31	24.52	24.57	26.20	0-1
		50	50	24.44	24.38	24.46	24.39	24.37	26.20	0-1
		100	0	24.54	24.53	24.55	24.46	24.47	26.20	0-1
	16-QAM	1	0	24.78	24.76	24.64	24.67	24.63	26.20	0-1
		1	50	24.70	24.64	24.55	24.48	24.55	26.20	0-1
		1	99	24.73	24.42	24.32	24.35	24.40	26.20	0-1
		50	0	23.56	23.53	23.47	23.59	23.56	25.20	0-2
		50	25	23.58	23.58	23.43	23.54	23.64	25.20	0-2
		50	50	23.57	23.60	23.36	23.67	23.52	25.20	0-2
		100	0	23.78	23.66	23.53	23.59	23.44	25.20	0-2
	64-QAM	1	0	23.40	23.46	23.26	23.43	23.56	25.20	0-2
		1	50	23.57	23.59	23.41	23.46	23.57	25.20	0-2
		1	99	23.62	23.54	23.31	23.66	23.49	25.20	0-2
		50	0	22.36	22.42	22.20	22.38	22.41	24.20	0-3
		50	25	22.51	22.45	22.23	22.35	22.57	24.20	0-3
		50	50	22.42	22.60	22.33	22.64	22.39	24.20	0-3
		100	0	22.49	22.48	22.36	22.47	22.49	24.20	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	25.35	25.51	25.31	25.59	25.46	27.20	0
		1	36	25.31	25.53	25.51	25.43	25.27	27.20	0
		1	74	25.31	25.37	25.26	25.38	25.21	27.20	0
		36	0	24.54	24.57	24.48	24.53	24.62	26.20	0-1
		36	18	24.55	24.59	24.38	24.49	24.55	26.20	0-1
		36	37	24.47	24.33	24.44	24.54	24.52	26.20	0-1
		75	0	24.51	24.46	24.47	24.51	24.53	26.20	0-1
	16-QAM	1	0	24.77	24.58	24.20	24.70	24.68	26.20	0-1
		1	36	24.37	24.53	24.44	24.69	24.58	26.20	0-1
		1	74	24.73	24.35	24.59	24.58	24.51	26.20	0-1
		36	0	23.60	23.53	23.38	23.60	23.66	25.20	0-2
		36	18	23.61	23.42	23.43	23.54	23.63	25.20	0-2
		36	37	23.65	23.45	23.52	23.58	23.45	25.20	0-2
		75	0	23.77	23.48	23.50	23.60	23.58	25.20	0-2
	64-QAM	1	0	23.35	23.36	23.25	23.47	23.50	25.20	0-2
		1	36	23.60	23.43	23.34	23.44	23.52	25.20	0-2
		1	74	23.56	23.55	23.25	23.53	23.40	25.20	0-2
		36	0	22.29	22.46	22.27	22.43	22.34	24.20	0-3
		36	18	22.37	22.37	22.22	22.28	22.46	24.20	0-3
		36	37	22.41	22.38	22.22	22.49	22.39	24.20	0-3
		75	0	22.39	22.34	22.23	22.45	22.45	24.20	0-3

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LTE Band 41 (HPUE)											
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	25.40	25.57	25.43	25.49	25.63	27.20	0
		1	25	25.32	25.50	25.51	25.55	25.32	27.20	0
		1	49	25.20	25.35	25.59	25.55	25.52	27.20	0
		25	0	24.38	24.31	24.53	24.45	24.54	26.20	0-1
		25	12	24.50	24.51	24.31	24.46	24.40	26.20	0-1
		25	25	24.36	24.39	24.46	24.47	24.43	26.20	0-1
		50	0	24.53	24.39	24.50	24.48	24.36	26.20	0-1
	16-QAM	1	0	24.60	24.30	24.63	24.62	24.91	26.20	0-1
		1	25	24.54	24.34	24.48	24.63	24.70	26.20	0-1
		1	49	24.52	24.47	24.53	24.51	24.56	26.20	0-1
		25	0	23.54	23.62	23.59	23.47	23.69	25.20	0-2
		25	12	23.47	23.69	23.57	23.50	23.62	25.20	0-2
		25	25	23.33	23.54	23.35	23.69	23.48	25.20	0-2
		50	0	23.63	23.50	23.60	23.58	23.58	25.20	0-2
	64-QAM	1	0	23.38	23.42	23.28	23.28	23.48	25.20	0-2
		1	25	23.48	23.39	23.21	23.34	23.53	25.20	0-2
		1	49	23.42	23.44	23.25	23.51	23.49	25.20	0-2
		25	0	22.24	22.26	22.27	22.32	22.35	24.20	0-3
		25	12	22.56	22.44	22.29	22.34	22.57	24.20	0-3
		25	25	22.27	22.51	22.20	22.56	22.37	24.20	0-3
		50	0	22.39	22.43	22.37	22.35	22.26	24.20	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	25.51	25.25	25.33	25.51	25.50	27.20	0
		1	12	25.41	25.25	25.31	25.44	25.43	27.20	0
		1	24	25.51	25.29	25.28	25.39	25.52	27.20	0
		12	0	24.48	24.53	24.52	24.58	24.65	26.20	0-1
		12	6	24.43	24.31	24.27	24.54	24.47	26.20	0-1
		12	13	24.37	24.27	24.41	24.58	24.49	26.20	0-1
		25	0	24.35	24.31	24.36	24.43	24.59	26.20	0-1
	16-QAM	1	0	24.30	24.45	24.46	24.47	24.58	26.20	0-1
		1	12	24.43	24.65	24.46	24.51	24.45	26.20	0-1
		1	24	24.62	24.70	24.67	24.76	24.66	26.20	0-1
		12	0	23.54	23.55	23.44	23.66	23.60	25.20	0-2
		12	6	23.57	23.50	23.55	23.66	23.55	25.20	0-2
		12	13	23.41	23.33	23.31	23.62	23.40	25.20	0-2
		25	0	23.54	23.50	23.36	23.68	23.67	25.20	0-2
	64-QAM	1	0	23.32	23.43	23.27	23.31	23.46	25.20	0-2
		1	12	23.47	23.39	23.21	23.22	23.47	25.20	0-2
		1	24	23.38	23.47	23.26	23.53	23.44	25.20	0-2
		12	0	22.21	22.21	22.22	22.27	22.24	24.20	0-3
		12	6	22.49	22.41	22.20	22.25	22.46	24.20	0-3
		12	13	22.25	22.47	22.28	22.48	22.25	24.20	0-3
		25	0	22.41	22.32	22.27	22.30	22.22	24.20	0-3

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1.3.6 Reduced power-Notebook mode-LTE FDD

LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 / Band 66 / Band 71 power table:

LTE Band 2								
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	19.52	19.36	19.55	20.00	0
		1	50	19.47	19.25	19.85	20.00	0
		1	99	19.42	19.57	19.97	20.00	0
		50	0	18.43	18.25	18.68	19.00	0-1
		50	25	18.56	18.27	18.78	19.00	0-1
		50	50	18.50	18.32	18.99	19.00	0-1
		100	0	18.56	18.18	18.72	19.00	0-1
	16-QAM	1	0	18.97	18.98	18.95	19.00	0-1
		1	50	18.60	18.18	18.49	19.00	0-1
		1	99	18.85	18.72	18.94	19.00	0-1
		50	0	17.63	17.41	17.69	18.00	0-2
		50	25	17.67	17.40	17.86	18.00	0-2
		50	50	17.70	17.46	17.85	18.00	0-2
		100	0	17.58	17.35	17.73	18.00	0-2
	64-QAM	1	0	17.58	17.56	17.52	18.00	0-2
		1	50	17.64	17.61	17.61	18.00	0-2
		1	99	17.64	17.66	17.63	18.00	0-2
		50	0	16.77	16.66	16.60	17.00	0-3
		50	25	16.45	16.64	16.60	17.00	0-3
		50	50	16.60	16.59	16.52	17.00	0-3
		100	0	16.62	16.63	16.54	17.00	0-3
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	19.48	19.32	19.55	20.00	0
		1	36	19.41	19.23	19.82	20.00	0
		1	74	19.37	19.52	19.87	20.00	0
		36	0	18.34	18.17	18.64	19.00	0-1
		36	18	18.51	18.23	18.68	19.00	0-1
		36	37	18.42	18.23	18.97	19.00	0-1
		75	0	18.48	18.09	18.69	19.00	0-1
	16-QAM	1	0	18.92	18.96	18.91	19.00	0-1
		1	36	18.57	18.18	18.39	19.00	0-1
		1	74	18.82	18.64	18.93	19.00	0-1
		36	0	17.54	17.37	17.62	18.00	0-2
		36	18	17.66	17.40	17.77	18.00	0-2
		36	37	17.68	17.43	17.78	18.00	0-2
		75	0	17.48	17.34	17.68	18.00	0-2
	64-QAM	1	0	17.57	17.52	17.46	18.00	0-2
		1	36	17.57	17.52	17.61	18.00	0-2
		1	74	17.61	17.60	17.54	18.00	0-2
		36	0	16.69	16.62	16.56	17.00	0-3
		36	18	16.41	16.55	16.59	17.00	0-3
		36	37	16.51	16.49	16.46	17.00	0-3
		75	0	16.62	16.56	16.50	17.00	0-3

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LTE Band 2								
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	19.45	19.32	19.52	20.00	0
		1	25	19.41	19.17	19.80	20.00	0
		1	49	19.35	19.53	19.93	20.00	0
		25	0	18.41	18.24	18.62	19.00	0-1
		25	12	18.49	18.18	18.76	19.00	0-1
		25	25	18.45	18.23	18.94	19.00	0-1
		50	0	18.48	18.11	18.63	19.00	0-1
	16-QAM	1	0	18.94	18.89	18.89	19.00	0-1
		1	25	18.59	18.18	18.41	19.00	0-1
		1	49	18.79	18.70	18.90	19.00	0-1
		25	0	17.56	17.34	17.66	18.00	0-2
		25	12	17.59	17.37	17.78	18.00	0-2
		25	25	17.61	17.44	17.75	18.00	0-2
		50	0	17.57	17.33	17.70	18.00	0-2
	64-QAM	1	0	17.49	17.54	17.43	18.00	0-2
		1	25	17.62	17.57	17.59	18.00	0-2
		1	49	17.57	17.61	17.53	18.00	0-2
		25	0	16.75	16.59	16.51	17.00	0-3
		25	12	16.39	16.63	16.53	17.00	0-3
		25	25	16.60	16.56	16.49	17.00	0-3
		50	0	16.60	16.58	16.48	17.00	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	19.43	19.34	19.48	20.00	0
		1	12	19.38	19.22	19.79	20.00	0
		1	24	19.38	19.56	19.90	20.00	0
		12	0	18.42	18.25	18.62	19.00	0-1
		12	6	18.48	18.27	18.73	19.00	0-1
		12	13	18.48	18.23	18.96	19.00	0-1
		25	0	18.48	18.16	18.69	19.00	0-1
	16-QAM	1	0	18.94	18.95	18.92	19.00	0-1
		1	12	18.57	18.12	18.41	19.00	0-1
		1	24	18.77	18.70	18.92	19.00	0-1
		12	0	17.63	17.33	17.68	18.00	0-2
		12	6	17.65	17.35	17.77	18.00	0-2
		12	13	17.64	17.38	17.77	18.00	0-2
		25	0	17.55	17.31	17.67	18.00	0-2
	64-QAM	1	0	17.58	17.49	17.42	18.00	0-2
		1	12	17.58	17.53	17.57	18.00	0-2
		1	24	17.61	17.60	17.58	18.00	0-2
		12	0	16.75	16.60	16.55	17.00	0-3
		12	6	16.43	16.61	16.56	17.00	0-3
		12	13	16.54	16.58	16.48	17.00	0-3
		25	0	16.62	16.53	16.54	17.00	0-3

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LTE Band 2								
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	19.34	19.15	19.87	20.00	0
		1	7	19.78	19.81	19.85	20.00	0
		1	14	19.85	19.80	19.85	20.00	0
		8	0	18.96	18.94	18.74	19.00	0-1
		8	4	18.99	18.85	18.99	19.00	0-1
		8	7	18.90	18.80	18.83	19.00	0-1
		15	0	18.73	18.83	18.78	19.00	0-1
	16-QAM	1	0	18.99	18.82	18.97	19.00	0-1
		1	7	18.82	18.73	18.72	19.00	0-1
		1	14	18.98	18.85	18.76	19.00	0-1
		8	0	17.75	17.84	17.77	18.00	0-2
		8	4	17.95	17.98	17.81	18.00	0-2
		8	7	17.87	17.90	17.76	18.00	0-2
		15	0	17.93	17.97	18.00	18.00	0-2
	64-QAM	1	0	17.76	17.91	17.83	18.00	0-2
		1	7	17.77	17.87	17.86	18.00	0-2
		1	14	17.79	17.95	17.93	18.00	0-2
		8	0	16.75	16.73	16.82	17.00	0-3
		8	4	16.84	17.00	16.78	17.00	0-3
		8	7	16.73	16.91	16.90	17.00	0-3
		15	0	16.90	16.99	16.92	17.00	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	19.35	19.13	19.88	20.00	0
		1	2	19.82	19.71	19.77	20.00	0
		1	5	19.80	19.76	19.78	20.00	0
		3	0	19.77	19.76	19.84	20.00	0
		3	2	19.76	19.85	19.73	20.00	0
		3	3	19.79	19.85	19.80	20.00	0
		6	0	18.85	18.89	18.80	19.00	0-1
	16-QAM	1	0	18.76	18.93	18.97	19.00	0-1
		1	2	18.95	18.90	18.77	19.00	0-1
		1	5	19.00	18.86	18.97	19.00	0-1
		3	0	18.88	18.76	18.79	19.00	0-1
		3	2	18.77	18.94	18.97	19.00	0-1
		3	3	18.81	18.96	18.83	19.00	0-1
		6	0	17.77	17.95	17.95	18.00	0-2
	64-QAM	1	0	17.91	17.81	17.70	18.00	0-2
		1	2	17.75	17.84	17.80	18.00	0-2
		1	5	17.85	17.72	17.82	18.00	0-2
		3	0	17.94	17.85	17.87	18.00	0-2
		3	2	17.84	17.71	17.88	18.00	0-2
		3	3	17.92	17.79	17.89	18.00	0-2
		6	0	16.84	16.93	16.84	17.00	0-3

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LTE Band 4								
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	19.84	19.91	19.85	20.00	0
		1	50	19.13	19.93	19.87	20.00	0
		1	99	19.77	19.65	19.63	20.00	0
		50	0	18.84	18.82	18.90	19.00	0-1
		50	25	18.98	18.88	18.87	19.00	0-1
		50	50	19.00	18.77	18.89	19.00	0-1
		100	0	18.98	18.83	18.74	19.00	0-1
	16-QAM	1	0	18.84	18.92	18.98	19.00	0-1
		1	50	18.88	18.97	18.84	19.00	0-1
		1	99	18.90	18.96	18.99	19.00	0-1
		50	0	17.99	18.00	17.83	18.00	0-2
		50	25	17.98	17.93	17.99	18.00	0-2
		50	50	17.87	17.99	17.81	18.00	0-2
		100	0	17.93	17.96	17.92	18.00	0-2
	64-QAM	1	0	17.80	17.87	17.74	18.00	0-2
		1	50	17.88	17.74	17.82	18.00	0-2
		1	99	17.82	17.74	17.81	18.00	0-2
		50	0	16.67	16.67	16.66	17.00	0-3
		50	25	16.61	16.85	16.60	17.00	0-3
		50	50	16.81	16.75	16.82	17.00	0-3
		100	0	16.82	16.75	16.85	17.00	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	19.83	19.87	19.84	20.00	0
		1	36	19.10	19.84	19.80	20.00	0
		1	74	19.71	19.58	19.55	20.00	0
		36	0	18.76	18.77	18.86	19.00	0-1
		36	18	18.93	18.82	18.87	19.00	0-1
		36	37	18.92	18.71	18.85	19.00	0-1
		75	0	18.91	18.74	18.68	19.00	0-1
	16-QAM	1	0	18.79	18.87	18.94	19.00	0-1
		1	36	18.86	18.87	18.79	19.00	0-1
		1	74	18.88	18.91	18.98	19.00	0-1
		36	0	17.91	17.91	17.74	18.00	0-2
		36	18	17.97	17.88	17.97	18.00	0-2
		36	37	17.80	17.96	17.75	18.00	0-2
		75	0	17.90	17.90	17.87	18.00	0-2
	64-QAM	1	0	17.77	17.86	17.71	18.00	0-2
		1	36	17.80	17.68	17.75	18.00	0-2
		1	74	17.75	17.72	17.76	18.00	0-2
		36	0	16.61	16.66	16.58	17.00	0-3
		36	18	16.51	16.84	16.57	17.00	0-3
		36	37	16.80	16.68	16.76	17.00	0-3
		75	0	16.77	16.65	16.78	17.00	0-3

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LTE Band 4								
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	19.84	19.80	19.82	20.00	0
		1	25	19.13	19.90	19.78	20.00	0
		1	49	19.68	19.57	19.62	20.00	0
		25	0	18.82	18.80	18.81	19.00	0-1
		25	12	18.90	18.81	18.87	19.00	0-1
		25	25	18.94	18.77	18.81	19.00	0-1
		50	0	18.98	18.77	18.65	19.00	0-1
	16-QAM	1	0	18.79	18.86	18.93	19.00	0-1
		1	25	18.85	18.88	18.79	19.00	0-1
		1	49	18.82	18.96	18.98	19.00	0-1
		25	0	17.92	17.97	17.77	18.00	0-2
		25	12	17.97	17.86	17.96	18.00	0-2
		25	25	17.84	17.93	17.71	18.00	0-2
		50	0	17.91	17.87	17.84	18.00	0-2
	64-QAM	1	0	17.74	17.81	17.67	18.00	0-2
		1	25	17.80	17.71	17.74	18.00	0-2
		1	49	17.79	17.67	17.72	18.00	0-2
		25	0	16.59	16.61	16.57	17.00	0-3
		25	12	16.51	16.85	16.57	17.00	0-3
		25	25	16.75	16.71	16.73	17.00	0-3
		50	0	16.82	16.72	16.79	17.00	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	19.75	19.71	19.78	20.00	0
		1	12	19.11	19.86	19.77	20.00	0
		1	24	19.59	19.56	19.60	20.00	0
		12	0	18.74	18.78	18.72	19.00	0-1
		12	6	18.87	18.73	18.86	19.00	0-1
		12	13	18.93	18.75	18.79	19.00	0-1
		25	0	18.92	18.71	18.55	19.00	0-1
	16-QAM	1	0	18.75	18.80	18.85	19.00	0-1
		1	12	18.85	18.84	18.72	19.00	0-1
		1	24	18.75	18.95	18.90	19.00	0-1
		12	0	17.82	17.97	17.72	18.00	0-2
		12	6	17.89	17.85	17.94	18.00	0-2
		12	13	17.83	17.86	17.70	18.00	0-2
		25	0	17.85	17.84	17.83	18.00	0-2
	64-QAM	1	0	17.65	17.78	17.57	18.00	0-2
		1	12	17.77	17.65	17.72	18.00	0-2
		1	24	17.77	17.67	17.69	18.00	0-2
		12	0	16.57	16.59	16.50	17.00	0-3
		12	6	16.42	16.79	16.53	17.00	0-3
		12	13	16.74	16.71	16.71	17.00	0-3
		25	0	16.73	16.68	16.77	17.00	0-3

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LTE Band 4								
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	19.77	19.75	19.81	20.00	0
		1	7	19.11	19.82	19.76	20.00	0
		1	14	19.63	19.48	19.59	20.00	0
		8	0	18.78	18.78	18.76	19.00	0-1
		8	4	18.82	18.79	18.79	19.00	0-1
		8	7	18.91	18.73	18.72	19.00	0-1
		15	0	18.88	18.69	18.60	19.00	0-1
	16-QAM	1	0	18.76	18.82	18.86	19.00	0-1
		1	7	18.84	18.86	18.75	19.00	0-1
		1	14	18.76	18.87	18.96	19.00	0-1
		8	0	17.91	17.94	17.73	18.00	0-2
		8	4	17.90	17.81	17.88	18.00	0-2
		8	7	17.79	17.89	17.71	18.00	0-2
		15	0	17.85	17.85	17.83	18.00	0-2
	64-QAM	1	0	17.68	17.75	17.59	18.00	0-2
		1	7	17.71	17.66	17.71	18.00	0-2
		1	14	17.77	17.63	17.66	18.00	0-2
		8	0	16.56	16.54	16.50	17.00	0-3
		8	4	16.43	16.81	16.50	17.00	0-3
		8	7	16.74	16.68	16.72	17.00	0-3
		15	0	16.78	16.66	16.71	17.00	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	19.67	19.65	19.72	20.00	0
		1	2	19.01	19.77	19.69	20.00	0
		1	5	19.56	19.44	19.55	20.00	0
		3	0	19.35	19.31	19.38	20.00	0
		3	2	19.41	19.40	19.44	20.00	0
		3	3	19.47	19.32	19.32	20.00	0
		6	0	18.86	18.61	18.54	19.00	0-1
	16-QAM	1	0	18.69	18.72	18.86	19.00	0-1
		1	2	18.80	18.77	18.73	19.00	0-1
		1	5	18.70	18.85	18.90	19.00	0-1
		3	0	18.62	18.65	18.44	19.00	0-1
		3	2	18.55	18.54	18.53	19.00	0-1
		3	3	18.52	18.61	18.36	19.00	0-1
		6	0	17.85	17.84	17.78	18.00	0-2
	64-QAM	1	0	17.65	17.74	17.58	18.00	0-2
		1	2	17.68	17.63	17.67	18.00	0-2
		1	5	17.67	17.56	17.56	18.00	0-2
		3	0	17.56	17.51	17.56	18.00	0-2
		3	2	17.42	17.75	17.54	18.00	0-2
		3	3	17.67	17.70	17.74	18.00	0-2
		6	0	16.71	16.63	16.66	17.00	0-3

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LTE Band 5								
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	23.81	23.78	23.57	24.00	0
		1	25	23.85	23.84	23.74	24.00	0
		1	49	23.95	23.79	23.65	24.00	0
		25	0	22.83	22.70	22.66	23.00	0-1
		25	12	22.84	22.80	22.87	23.00	0-1
		25	25	22.82	22.69	22.78	23.00	0-1
		50	0	22.79	22.73	22.70	23.00	0-1
	16-QAM	1	0	22.97	22.92	22.91	23.00	0-1
		1	25	22.90	22.93	22.96	23.00	0-1
		1	49	22.94	22.95	22.90	23.00	0-1
		25	0	21.98	21.98	21.71	22.00	0-2
		25	12	21.99	21.96	21.90	22.00	0-2
		25	25	21.94	21.87	21.82	22.00	0-2
		50	0	21.95	21.94	21.73	22.00	0-2
	64-QAM	1	0	21.88	21.84	21.69	22.00	0-2
		1	25	21.95	21.82	21.79	22.00	0-2
		1	49	21.92	21.76	21.67	22.00	0-2
		25	0	20.90	20.94	20.67	21.00	0-3
		25	12	20.84	20.91	20.59	21.00	0-3
		25	25	20.88	20.93	20.84	21.00	0-3
		50	0	20.85	20.79	20.69	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	23.88	23.78	23.71	24.00	0
		1	12	23.73	23.80	23.64	24.00	0
		1	24	23.82	23.71	23.63	24.00	0
		12	0	22.88	22.75	22.76	23.00	0-1
		12	6	22.86	22.71	22.78	23.00	0-1
		12	13	22.88	22.66	22.70	23.00	0-1
		25	0	22.88	22.73	22.76	23.00	0-1
	16-QAM	1	0	22.99	22.95	22.90	23.00	0-1
		1	12	22.99	22.85	22.94	23.00	0-1
		1	24	22.99	22.91	22.85	23.00	0-1
		12	0	21.93	21.86	21.83	22.00	0-2
		12	6	21.98	21.86	21.78	22.00	0-2
		12	13	22.00	21.73	21.74	22.00	0-2
		25	0	21.89	21.85	21.75	22.00	0-2
	64-QAM	1	0	21.77	21.76	21.62	22.00	0-2
		1	12	21.84	21.68	21.72	22.00	0-2
		1	24	21.79	21.76	21.57	22.00	0-2
		12	0	20.85	20.88	20.56	21.00	0-3
		12	6	20.81	20.82	20.53	21.00	0-3
		12	13	20.78	20.91	20.75	21.00	0-3
		25	0	20.78	20.70	20.56	21.00	0-3

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LTE Band 5								
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	23.87	23.76	23.70	24.00	0
		1	7	23.90	23.70	23.82	24.00	0
		1	14	23.91	23.63	23.60	24.00	0
		8	0	22.85	22.70	22.64	23.00	0-1
		8	4	22.94	22.70	22.80	23.00	0-1
		8	7	22.79	22.69	22.66	23.00	0-1
		15	0	22.93	22.72	22.72	23.00	0-1
	16-QAM	1	0	22.95	22.89	22.81	23.00	0-1
		1	7	22.97	22.93	22.99	23.00	0-1
		1	14	22.96	22.98	22.90	23.00	0-1
		8	0	21.95	21.80	21.83	22.00	0-2
		8	4	22.00	21.77	21.83	22.00	0-2
		8	7	21.96	21.92	21.72	22.00	0-2
		15	0	21.97	21.83	21.94	22.00	0-2
	64-QAM	1	0	21.62	21.63	21.59	22.00	0-2
		1	7	21.74	21.65	21.65	22.00	0-2
		1	14	21.78	21.62	21.50	22.00	0-2
		8	0	20.78	20.82	20.45	21.00	0-3
		8	4	20.68	20.72	20.38	21.00	0-3
		8	7	20.71	20.80	20.73	21.00	0-3
		15	0	20.73	20.63	20.51	21.00	0-3
Frequency (MHz)				824.7	836.5	848.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20407	20525	20643		
1.4	QPSK	1	0	23.76	23.59	23.57	24.00	0
		1	2	23.92	23.70	23.69	24.00	0
		1	5	23.70	23.64	23.52	24.00	0
		3	0	23.73	23.57	23.50	24.00	0
		3	2	23.72	23.64	23.47	24.00	0
		3	3	23.59	23.47	23.42	24.00	0
		6	0	22.84	22.63	22.61	23.00	0-1
	16-QAM	1	0	22.87	22.83	22.89	23.00	0-1
		1	2	22.98	22.90	22.92	23.00	0-1
		1	5	22.90	22.96	22.93	23.00	0-1
		3	0	22.88	22.85	22.71	23.00	0-1
		3	2	22.88	22.80	22.74	23.00	0-1
		3	3	22.92	22.90	22.65	23.00	0-1
		6	0	21.92	21.77	21.83	22.00	0-2
	64-QAM	1	0	21.67	21.64	21.47	22.00	0-2
		1	2	21.74	21.64	21.58	22.00	0-2
		1	5	21.64	21.66	21.48	22.00	0-2
		3	0	21.58	21.69	21.30	22.00	0-2
		3	2	21.61	21.64	21.25	22.00	0-2
		3	3	21.57	21.69	21.61	22.00	0-2
		6	0	20.64	20.61	20.47	21.00	0-3

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LTE Band 7								
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	19.16	19.11	19.07	19.50	0
		1	50	19.10	19.30	19.09	19.50	0
		1	99	19.31	19.49	19.26	19.50	0
		50	0	18.30	18.45	18.27	18.50	0-1
		50	25	18.36	18.44	18.26	18.50	0-1
		50	50	18.43	18.44	18.33	18.50	0-1
		100	0	18.30	18.43	18.28	18.50	0-1
	16-QAM	1	0	18.32	18.49	18.21	18.50	0-1
		1	50	18.47	18.48	18.43	18.50	0-1
		1	99	18.41	18.46	18.45	18.50	0-1
		50	0	17.39	17.48	17.36	17.50	0-2
		50	25	17.41	17.42	17.36	17.50	0-2
		50	50	17.42	17.41	17.37	17.50	0-2
		100	0	17.41	17.47	17.37	17.50	0-2
	64-QAM	1	0	17.38	17.36	17.32	17.50	0-2
		1	50	17.45	17.37	17.41	17.50	0-2
		1	99	17.31	17.32	17.28	17.50	0-2
		50	0	16.30	16.28	16.18	16.50	0-3
		50	25	16.37	16.26	16.28	16.50	0-3
		50	50	16.24	16.15	16.12	16.50	0-3
		100	0	16.25	16.18	16.31	16.50	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	19.12	19.09	19.01	19.50	0
		1	36	19.08	19.30	19.09	19.50	0
		1	74	19.24	19.44	19.23	19.50	0
		36	0	18.25	18.44	18.26	18.50	0-1
		36	18	18.32	18.42	18.24	18.50	0-1
		36	37	18.35	18.37	18.32	18.50	0-1
		75	0	18.27	18.42	18.23	18.50	0-1
	16-QAM	1	0	18.25	18.41	18.13	18.50	0-1
		1	36	18.43	18.38	18.36	18.50	0-1
		1	74	18.36	18.40	18.45	18.50	0-1
		36	0	17.30	17.38	17.26	17.50	0-2
		36	18	17.37	17.36	17.33	17.50	0-2
		36	37	17.41	17.36	17.28	17.50	0-2
		75	0	17.39	17.41	17.31	17.50	0-2
	64-QAM	1	0	17.34	17.30	17.31	17.50	0-2
		1	36	17.38	17.34	17.33	17.50	0-2
		1	74	17.24	17.23	17.24	17.50	0-2
		36	0	16.29	16.19	16.13	16.50	0-3
		36	18	16.28	16.25	16.22	16.50	0-3
		36	37	16.22	16.11	16.12	16.50	0-3
		75	0	16.17	16.17	16.25	16.50	0-3

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LTE Band 7								
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	19.06	19.02	19.00	19.50	0
		1	25	19.00	19.22	18.96	19.50	0
		1	49	19.24	19.40	19.14	19.50	0
		25	0	18.23	18.35	18.20	18.50	0-1
		25	12	18.29	18.33	18.13	18.50	0-1
		25	25	18.35	18.32	18.24	18.50	0-1
		50	0	18.22	18.30	18.16	18.50	0-1
	16-QAM	1	0	18.28	18.43	18.17	18.50	0-1
		1	25	18.41	18.37	18.37	18.50	0-1
		1	49	18.38	18.36	18.34	18.50	0-1
		25	0	17.28	17.41	17.32	17.50	0-2
		25	12	17.36	17.35	17.31	17.50	0-2
		25	25	17.33	17.30	17.33	17.50	0-2
		50	0	17.30	17.43	17.33	17.50	0-2
	64-QAM	1	0	17.30	17.23	17.22	17.50	0-2
		1	25	17.37	17.26	17.33	17.50	0-2
		1	49	17.18	17.20	17.16	17.50	0-2
		25	0	16.21	16.25	16.09	16.50	0-3
		25	12	16.30	16.22	16.24	16.50	0-3
		25	25	16.20	16.12	16.05	16.50	0-3
		50	0	16.20	16.11	16.24	16.50	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	19.02	19.00	18.95	19.50	0
		1	12	18.98	19.21	18.93	19.50	0
		1	24	19.30	19.21	19.14	19.50	0
		12	0	18.18	18.26	18.20	18.50	0-1
		12	6	18.29	18.23	18.06	18.50	0-1
		12	13	18.32	18.25	18.15	18.50	0-1
		25	0	18.13	18.27	18.07	18.50	0-1
	16-QAM	1	0	18.23	18.38	18.12	18.50	0-1
		1	12	18.40	18.33	18.30	18.50	0-1
		1	24	18.38	18.35	18.27	18.50	0-1
		12	0	17.25	17.41	17.30	17.50	0-2
		12	6	17.27	17.31	17.26	17.50	0-2
		12	13	17.25	17.27	17.30	17.50	0-2
		25	0	17.26	17.42	17.30	17.50	0-2
	64-QAM	1	0	17.27	17.19	17.14	17.50	0-2
		1	12	17.33	17.25	17.32	17.50	0-2
		1	24	17.15	17.13	17.09	17.50	0-2
		12	0	16.19	16.23	16.09	16.50	0-3
		12	6	16.27	16.12	16.19	16.50	0-3
		12	13	16.15	16.04	15.96	16.50	0-3
		25	0	16.12	16.04	16.21	16.50	0-3

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LTE Band 12								
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	23.26	23.33	23.43	24.00	0
		1	25	23.28	23.49	23.45	24.00	0
		1	49	23.48	23.47	23.62	24.00	0
		25	0	22.33	22.51	22.42	23.00	0-1
		25	12	22.48	22.50	22.53	23.00	0-1
		25	25	22.53	22.45	22.70	23.00	0-1
		50	0	22.43	22.51	22.52	23.00	0-1
	16-QAM	1	0	22.39	22.22	22.51	23.00	0-1
		1	25	22.33	22.68	22.85	23.00	0-1
		1	49	22.92	22.77	22.88	23.00	0-1
		25	0	21.42	21.52	21.51	22.00	0-2
		25	12	21.61	21.64	21.64	22.00	0-2
		25	25	21.69	21.54	21.74	22.00	0-2
		50	0	21.56	21.54	21.66	22.00	0-2
	64-QAM	1	0	21.31	21.45	21.48	22.00	0-2
		1	25	21.47	21.50	21.60	22.00	0-2
		1	49	21.66	21.50	21.62	22.00	0-2
		25	0	20.26	20.35	20.34	21.00	0-3
		25	12	20.35	20.37	20.53	21.00	0-3
		25	25	20.48	20.43	20.51	21.00	0-3
		50	0	20.44	20.38	20.48	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	23.21	23.26	23.42	24.00	0
		1	12	23.34	23.41	23.57	24.00	0
		1	24	23.38	23.50	23.47	24.00	0
		12	0	22.29	22.40	22.47	23.00	0-1
		12	6	22.37	22.47	22.60	23.00	0-1
		12	13	22.52	22.35	22.54	23.00	0-1
		25	0	22.28	22.43	22.55	23.00	0-1
	16-QAM	1	0	22.67	22.82	22.49	23.00	0-1
		1	12	22.66	22.76	22.96	23.00	0-1
		1	24	22.67	22.45	22.97	23.00	0-1
		12	0	21.40	21.49	21.59	22.00	0-2
		12	6	21.49	21.51	21.74	22.00	0-2
		12	13	21.53	21.43	21.61	22.00	0-2
		25	0	21.49	21.53	21.65	22.00	0-2
	64-QAM	1	0	21.26	21.33	21.33	22.00	0-2
		1	12	21.40	21.44	21.56	22.00	0-2
		1	24	21.61	21.50	21.60	22.00	0-2
		12	0	20.23	20.30	20.23	21.00	0-3
		12	6	20.31	20.28	20.45	21.00	0-3
		12	13	20.46	20.29	20.42	21.00	0-3
		25	0	20.30	20.33	20.38	21.00	0-3

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LTE Band 12								
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	23.20	23.22	23.44	24.00	0
		1	7	23.52	23.56	23.59	24.00	0
		1	14	23.27	23.46	23.51	24.00	0
		8	0	22.31	22.39	22.52	23.00	0-1
		8	4	22.39	22.46	22.61	23.00	0-1
		8	7	22.29	22.37	22.52	23.00	0-1
		15	0	22.33	22.40	22.55	23.00	0-1
	16-QAM	1	0	22.68	22.31	22.75	23.00	0-1
		1	7	22.51	22.93	22.86	23.00	0-1
		1	14	23.00	22.40	22.54	23.00	0-1
		8	0	21.45	21.45	21.64	22.00	0-2
		8	4	21.46	21.46	21.77	22.00	0-2
		8	7	21.50	21.54	21.62	22.00	0-2
		15	0	21.33	21.53	21.63	22.00	0-2
	64-QAM	1	0	21.30	21.41	21.34	22.00	0-2
		1	7	21.39	21.40	21.47	22.00	0-2
		1	14	21.59	21.46	21.58	22.00	0-2
		8	0	20.24	20.25	20.32	21.00	0-3
		8	4	20.33	20.29	20.48	21.00	0-3
		8	7	20.34	20.30	20.45	21.00	0-3
		15	0	20.39	20.31	20.34	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	23.21	23.22	23.57	24.00	0
		1	2	23.25	23.32	23.54	24.00	0
		1	5	23.27	23.39	23.51	24.00	0
		3	0	23.35	23.30	23.56	24.00	0
		3	2	23.31	23.39	23.52	24.00	0
		3	3	23.35	23.35	23.51	24.00	0
		6	0	22.21	22.32	22.56	23.00	0-1
	16-QAM	1	0	22.71	22.61	22.67	23.00	0-1
		1	2	22.77	22.91	22.84	23.00	0-1
		1	5	22.58	22.56	22.84	23.00	0-1
		3	0	22.53	22.46	22.75	23.00	0-1
		3	2	22.36	22.43	22.62	23.00	0-1
		3	3	22.53	22.55	22.75	23.00	0-1
		6	0	21.41	21.45	21.77	22.00	0-2
	64-QAM	1	0	21.25	21.32	21.31	22.00	0-2
		1	2	21.31	21.40	21.45	22.00	0-2
		1	5	21.55	21.45	21.49	22.00	0-2
		3	0	21.27	21.33	21.26	22.00	0-2
		3	2	21.33	21.29	21.48	22.00	0-2
		3	3	21.34	21.29	21.36	22.00	0-2
		6	0	20.35	20.31	20.26	21.00	0-3

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LTE Band 13								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				782	782	782		
Channel				23230	23230	23230		
10	QPSK	1	0	23.98			24.00	0
		1	25	23.64			24.00	0
		1	49	23.68			24.00	0
		25	0	22.90			23.00	0-1
		25	12	22.87			23.00	0-1
		25	25	22.81			23.00	0-1
		50	0	22.71			23.00	0-1
	16-QAM	1	0	22.77			23.00	0-1
		1	25	22.71			23.00	0-1
		1	49	22.74			23.00	0-1
		25	0	21.84			22.00	0-2
		25	12	21.80			22.00	0-2
		25	25	21.73			22.00	0-2
		50	0	21.81			22.00	0-2
	64-QAM	1	0	21.73			22.00	0-2
		1	25	21.68			22.00	0-2
		1	49	21.73			22.00	0-2
		25	0	20.58			21.00	0-3
		25	12	20.49			21.00	0-3
		25	25	20.57			21.00	0-3
		50	0	20.41			21.00	0-3
Frequency (MHz)				779.5	782	784.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23205	23230	23255		
5	QPSK	1	0	23.92	23.79	23.76	24.00	0
		1	12	23.72	23.71	23.63	24.00	0
		1	24	23.73	23.79	23.65	24.00	0
		12	0	22.78	22.76	22.70	23.00	0-1
		12	6	22.81	22.79	22.75	23.00	0-1
		12	13	22.80	22.77	22.78	23.00	0-1
		25	0	22.81	22.78	22.70	23.00	0-1
	16-QAM	1	0	22.71	22.90	22.89	23.00	0-1
		1	12	22.83	22.79	22.67	23.00	0-1
		1	24	22.81	22.77	22.94	23.00	0-1
		12	0	21.91	21.82	21.82	22.00	0-2
		12	6	21.86	21.88	21.91	22.00	0-2
		12	13	21.89	21.91	21.82	22.00	0-2
		25	0	21.83	21.94	21.77	22.00	0-2
	64-QAM	1	0	21.80	21.78	21.86	22.00	0-2
		1	12	21.81	21.88	21.79	22.00	0-2
		1	24	21.69	21.93	21.72	22.00	0-2
		12	0	20.68	20.65	20.71	21.00	0-3
		12	6	20.80	20.87	20.67	21.00	0-3
		12	13	20.66	20.84	20.63	21.00	0-3
		25	0	20.71	20.79	20.64	21.00	0-3

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LTE Band 14								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				793	793	793		
Channel				23330	23330	23330		
10	QPSK	1	0	23.81			24.00	0
		1	25	23.63			24.00	0
		1	49	23.64			24.00	0
		25	0	22.79			23.00	0-1
		25	12	22.69			23.00	0-1
		25	25	22.69			23.00	0-1
		50	0	22.62			23.00	0-1
	16-QAM	1	0	22.58			23.00	0-1
		1	25	22.77			23.00	0-1
		1	49	22.85			23.00	0-1
		25	0	21.90			22.00	0-2
		25	12	21.85			22.00	0-2
		25	25	21.87			22.00	0-2
		50	0	21.86			22.00	0-2
	64-QAM	1	0	21.75			22.00	0-2
		1	25	21.63			22.00	0-2
		1	49	21.73			22.00	0-2
		25	0	20.67			21.00	0-3
		25	12	20.59			21.00	0-3
		25	25	20.62			21.00	0-3
		50	0	20.60			21.00	0-3
Frequency (MHz)				790.5	793	795.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23305	23330	23355		
5	QPSK	1	0	23.61	23.57	23.67	24.00	0
		1	12	23.73	23.65	23.63	24.00	0
		1	24	23.75	23.65	23.69	24.00	0
		12	0	22.65	22.79	22.70	23.00	0-1
		12	6	22.77	22.71	22.73	23.00	0-1
		12	13	22.66	22.67	22.60	23.00	0-1
		25	0	22.65	22.71	22.71	23.00	0-1
	16-QAM	1	0	22.99	22.82	22.88	23.00	0-1
		1	12	22.53	22.77	22.80	23.00	0-1
		1	24	22.86	22.62	22.89	23.00	0-1
		12	0	21.64	21.86	21.90	22.00	0-2
		12	6	21.97	21.87	21.90	22.00	0-2
		12	13	21.83	21.76	21.77	22.00	0-2
		25	0	21.92	21.88	21.74	22.00	0-2
	64-QAM	1	0	21.76	21.72	21.75	22.00	0-2
		1	12	21.81	21.76	21.66	22.00	0-2
		1	24	21.65	21.81	21.60	22.00	0-2
		12	0	20.54	20.58	20.71	21.00	0-3
		12	6	20.69	20.80	20.60	21.00	0-3
		12	13	20.61	20.74	20.49	21.00	0-3
		25	0	20.57	20.72	20.53	21.00	0-3

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LTE Band 17								
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	23.22	23.25	23.19	24.00	0
		1	25	23.23	23.31	23.27	24.00	0
		1	49	23.14	23.21	23.20	24.00	0
		25	0	22.27	22.29	22.24	23.00	0-1
		25	12	22.20	22.24	22.28	23.00	0-1
		25	25	22.23	22.25	22.22	23.00	0-1
		50	0	22.27	22.26	22.26	23.00	0-1
	16-QAM	1	0	22.20	22.26	22.22	23.00	0-1
		1	25	22.22	22.29	22.24	23.00	0-1
		1	49	22.22	22.23	22.22	23.00	0-1
		25	0	21.22	21.27	21.27	22.00	0-2
		25	12	21.24	21.21	21.22	22.00	0-2
		25	25	21.21	21.30	21.28	22.00	0-2
		50	0	21.26	21.25	21.27	22.00	0-2
	64-QAM	1	0	21.27	21.23	21.24	22.00	0-2
		1	25	21.29	21.22	21.25	22.00	0-2
		1	49	21.21	21.24	21.22	22.00	0-2
		25	0	20.30	20.29	20.23	21.00	0-3
		25	12	20.21	20.20	20.22	21.00	0-3
		25	25	20.25	20.26	20.22	21.00	0-3
		50	0	20.28	20.28	20.28	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	23.22	23.21	23.22	24.00	0
		1	12	23.23	23.27	23.26	24.00	0
		1	24	23.20	23.22	23.24	24.00	0
		12	0	22.24	22.27	22.26	23.00	0-1
		12	6	22.28	22.23	22.27	23.00	0-1
		12	13	22.26	22.26	22.23	23.00	0-1
		25	0	22.22	22.27	22.27	23.00	0-1
	16-QAM	1	0	22.29	22.27	22.29	23.00	0-1
		1	12	22.30	22.26	22.25	23.00	0-1
		1	24	22.29	22.26	22.27	23.00	0-1
		12	0	21.21	21.24	21.21	22.00	0-2
		12	6	21.25	21.22	21.20	22.00	0-2
		12	13	21.27	21.24	21.27	22.00	0-2
		25	0	21.23	21.25	21.30	22.00	0-2
	64-QAM	1	0	21.25	21.24	21.27	22.00	0-2
		1	12	21.30	21.24	21.25	22.00	0-2
		1	24	21.25	21.24	21.28	22.00	0-2
		12	0	20.27	20.23	20.24	21.00	0-3
		12	6	20.21	20.27	20.25	21.00	0-3
		12	13	20.23	20.22	20.22	21.00	0-3
		25	0	20.25	20.21	20.27	21.00	0-3

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LTE Band 25								
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	19.48	19.10	19.41	20.00	0
		1	50	19.38	19.39	19.73	20.00	0
		1	99	19.16	19.71	19.98	20.00	0
		50	0	18.36	18.13	18.64	19.00	0-1
		50	25	18.27	18.22	18.76	19.00	0-1
		50	50	18.45	18.35	18.80	19.00	0-1
		100	0	18.50	18.25	18.69	19.00	0-1
	16-QAM	1	0	18.59	18.64	18.55	19.00	0-1
		1	50	18.97	18.95	18.99	19.00	0-1
		1	99	18.81	18.96	18.98	19.00	0-1
		50	0	17.54	17.31	17.67	18.00	0-2
		50	25	17.53	17.37	17.78	18.00	0-2
		50	50	17.46	17.51	17.99	18.00	0-2
		100	0	17.47	17.31	17.75	18.00	0-2
	64-QAM	1	0	17.48	17.45	17.60	18.00	0-2
		1	50	17.41	17.43	17.65	18.00	0-2
		1	99	17.43	17.42	17.43	18.00	0-2
		50	0	16.51	16.37	16.42	17.00	0-3
		50	25	16.49	16.45	16.45	17.00	0-3
		50	50	16.48	16.39	16.46	17.00	0-3
		100	0	16.50	16.36	16.43	17.00	0-3
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				26115	26365	26615		
15	QPSK	1	0	19.44	19.05	19.39	20.00	0
		1	36	19.29	19.35	19.72	20.00	0
		1	74	19.14	19.66	19.92	20.00	0
		36	0	18.35	18.05	18.55	19.00	0-1
		36	18	18.17	18.20	18.75	19.00	0-1
		36	37	18.44	18.26	18.72	19.00	0-1
		75	0	18.42	18.17	18.63	19.00	0-1
	16-QAM	1	0	18.57	18.57	18.47	19.00	0-1
		1	36	18.95	18.92	18.94	19.00	0-1
		1	74	18.78	18.88	18.90	19.00	0-1
		36	0	17.47	17.25	17.64	18.00	0-2
		36	18	17.49	17.28	17.75	18.00	0-2
		36	37	17.36	17.46	17.97	18.00	0-2
		75	0	17.41	17.28	17.71	18.00	0-2
	64-QAM	1	0	17.43	17.42	17.51	18.00	0-2
		1	36	17.33	17.38	17.63	18.00	0-2
		1	74	17.41	17.42	17.38	18.00	0-2
		36	0	16.51	16.37	16.34	17.00	0-3
		36	18	16.49	16.39	16.41	17.00	0-3
		36	37	16.43	16.31	16.37	17.00	0-3
		75	0	16.42	16.31	16.35	17.00	0-3

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LTE Band 25								
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	19.42	19.08	19.34	20.00	0
		1	25	19.34	19.34	19.69	20.00	0
		1	49	19.13	19.63	18.88	20.00	0
		25	0	18.33	18.11	18.56	19.00	0-1
		25	12	18.19	18.17	18.74	19.00	0-1
		25	25	18.36	18.31	18.74	19.00	0-1
		50	0	18.41	18.18	18.63	19.00	0-1
	16-QAM	1	0	18.59	18.55	18.45	19.00	0-1
		1	25	18.87	18.87	18.98	19.00	0-1
		1	49	18.77	18.95	18.88	19.00	0-1
		25	0	17.49	17.26	17.59	18.00	0-2
		25	12	17.45	17.30	17.69	18.00	0-2
		25	25	17.39	17.50	17.98	18.00	0-2
		50	0	17.46	17.31	17.74	18.00	0-2
	64-QAM	1	0	17.44	17.41	17.59	18.00	0-2
		1	25	17.38	17.42	17.60	18.00	0-2
		1	49	17.39	17.34	17.38	18.00	0-2
		25	0	16.48	16.35	16.32	17.00	0-3
		25	12	16.43	16.41	16.36	17.00	0-3
		25	25	16.44	16.34	16.43	17.00	0-3
		50	0	16.44	16.36	16.43	17.00	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	19.42	19.04	19.40	20.00	0
		1	12	19.30	19.35	19.69	20.00	0
		1	24	19.10	19.64	19.82	20.00	0
		12	0	18.33	18.06	18.63	19.00	0-1
		12	6	18.23	18.18	18.71	19.00	0-1
		12	13	18.40	18.31	18.73	19.00	0-1
		25	0	18.44	18.19	18.60	19.00	0-1
	16-QAM	1	0	18.55	18.61	18.46	19.00	0-1
		1	12	18.90	18.86	18.96	19.00	0-1
		1	24	18.79	18.88	18.90	19.00	0-1
		12	0	17.47	17.23	17.61	18.00	0-2
		12	6	17.50	17.30	17.71	18.00	0-2
		12	13	17.38	17.48	17.89	18.00	0-2
		25	0	17.42	17.24	17.74	18.00	0-2
	64-QAM	1	0	17.40	17.39	17.53	18.00	0-2
		1	12	17.33	17.42	17.57	18.00	0-2
		1	24	17.42	17.40	17.41	18.00	0-2
		12	0	16.49	16.32	16.35	17.00	0-3
		12	6	16.43	16.35	16.40	17.00	0-3
		12	13	16.42	16.30	16.40	17.00	0-3
		25	0	16.44	16.33	16.42	17.00	0-3

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LTE Band 25								
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	19.38	18.94	19.31	20.00	0
		1	7	19.26	19.33	19.65	20.00	0
		1	14	19.07	19.61	19.74	20.00	0
		8	0	18.33	18.03	18.60	19.00	0-1
		8	4	18.20	18.14	18.69	19.00	0-1
		8	7	18.34	18.22	18.70	19.00	0-1
		15	0	18.35	18.17	18.55	19.00	0-1
	16-QAM	1	0	18.46	18.59	18.46	19.00	0-1
		1	7	18.84	18.85	18.95	19.00	0-1
		1	14	18.70	18.86	18.89	19.00	0-1
		8	0	17.45	17.17	17.53	18.00	0-2
		8	4	17.40	17.24	17.68	18.00	0-2
		8	7	17.31	17.44	17.81	18.00	0-2
		15	0	17.41	17.18	17.65	18.00	0-2
	64-QAM	1	0	17.38	17.34	17.47	18.00	0-2
		1	7	17.31	17.37	17.56	18.00	0-2
		1	14	17.33	17.35	17.37	18.00	0-2
		8	0	16.47	16.29	16.25	17.00	0-3
		8	4	16.39	16.25	16.39	17.00	0-3
		8	7	16.37	16.26	16.39	17.00	0-3
		15	0	16.43	16.24	16.34	17.00	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	19.41	19.04	19.35	20.00	0
		1	2	19.28	19.34	19.62	20.00	0
		1	5	19.09	19.62	19.72	20.00	0
		3	0	19.30	19.02	19.64	20.00	0
		3	2	19.20	19.21	19.71	20.00	0
		3	3	19.34	19.34	19.63	20.00	0
		6	0	18.42	18.15	18.52	19.00	0-1
	16-QAM	1	0	18.46	18.53	18.42	19.00	0-1
		1	2	18.83	18.80	18.87	19.00	0-1
		1	5	18.76	18.79	18.82	19.00	0-1
		3	0	18.50	18.31	18.58	19.00	0-1
		3	2	18.54	18.25	18.75	19.00	0-1
		3	3	18.34	18.53	18.83	19.00	0-1
		6	0	17.36	17.22	17.66	18.00	0-2
	64-QAM	1	0	17.39	17.30	17.45	18.00	0-2
		1	2	17.25	17.35	17.51	18.00	0-2
		1	5	17.36	17.36	17.39	18.00	0-2
		3	0	17.43	17.32	17.28	18.00	0-2
		3	2	17.48	17.30	17.45	18.00	0-2
		3	3	17.41	17.25	17.36	18.00	0-2
		6	0	16.38	16.32	16.39	17.00	0-3

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LTE Band 26								
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	23.65	23.78	23.70	24.00	0
		1	36	23.73	23.71	23.77	24.00	0
		1	74	23.88	23.67	23.61	24.00	0
		36	0	22.83	22.79	22.64	23.00	0-1
		36	18	22.95	22.75	22.71	23.00	0-1
		36	37	22.93	22.78	22.74	23.00	0-1
		75	0	22.90	22.82	22.74	23.00	0-1
	16-QAM	1	0	22.91	22.87	22.87	23.00	0-1
		1	36	22.96	23.00	22.90	23.00	0-1
		1	74	22.94	22.97	22.95	23.00	0-1
		36	0	21.93	21.92	21.72	22.00	0-2
		36	18	21.90	21.91	21.74	22.00	0-2
		36	37	21.95	21.91	21.86	22.00	0-2
		75	0	21.99	21.94	21.74	22.00	0-2
	64-QAM	1	0	21.88	21.87	21.62	22.00	0-2
		1	36	21.93	21.81	21.66	22.00	0-2
		1	74	21.94	21.86	21.85	22.00	0-2
		36	0	20.84	20.81	20.48	21.00	0-3
		36	18	20.78	20.73	20.55	21.00	0-3
		36	37	20.90	20.77	20.81	21.00	0-3
		75	0	20.88	20.74	20.80	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	23.59	23.61	23.67	24.00	0
		1	25	23.85	23.60	23.69	24.00	0
		1	49	23.71	23.62	23.49	24.00	0
		25	0	22.79	22.67	22.68	23.00	0-1
		25	12	22.82	22.71	22.70	23.00	0-1
		25	25	22.82	22.72	22.70	23.00	0-1
		50	0	22.81	22.73	22.61	23.00	0-1
	16-QAM	1	0	22.85	22.86	22.99	23.00	0-1
		1	25	22.99	22.96	22.95	23.00	0-1
		1	49	22.93	22.90	22.83	23.00	0-1
		25	0	21.88	21.86	21.79	22.00	0-2
		25	12	22.00	21.84	21.85	22.00	0-2
		25	25	21.84	21.82	21.71	22.00	0-2
		50	0	21.87	21.78	21.77	22.00	0-2
	64-QAM	1	0	21.86	21.75	21.56	22.00	0-2
		1	25	21.89	21.67	21.55	22.00	0-2
		1	49	21.80	21.81	21.70	22.00	0-2
		25	0	20.82	20.69	20.33	21.00	0-3
		25	12	20.70	20.59	20.43	21.00	0-3
		25	25	20.81	20.75	20.66	21.00	0-3
		50	0	20.85	20.69	20.72	21.00	0-3

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LTE Band 26								
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	23.81	23.73	23.61	24.00	0
		1	12	23.82	23.66	23.55	24.00	0
		1	24	23.73	23.76	23.43	24.00	0
		12	0	22.83	22.73	22.62	23.00	0-1
		12	6	22.82	22.74	22.62	23.00	0-1
		12	13	22.76	22.68	22.61	23.00	0-1
		25	0	22.82	22.66	22.65	23.00	0-1
	16-QAM	1	0	22.92	22.72	22.88	23.00	0-1
		1	12	22.93	22.85	22.75	23.00	0-1
		1	24	22.89	22.92	22.74	23.00	0-1
		12	0	21.79	21.73	21.75	22.00	0-2
		12	6	21.82	21.83	21.75	22.00	0-2
		12	13	21.85	21.82	21.60	22.00	0-2
		25	0	21.95	21.77	21.62	22.00	0-2
	64-QAM	1	0	21.82	21.75	21.58	22.00	0-2
		1	12	21.83	21.70	21.54	22.00	0-2
		1	24	21.81	21.76	21.79	22.00	0-2
		12	0	20.72	20.71	20.35	21.00	0-3
		12	6	20.75	20.62	20.42	21.00	0-3
		12	13	20.81	20.73	20.71	21.00	0-3
		25	0	20.74	20.68	20.70	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	23.78	23.66	23.65	24.00	0
		1	7	23.77	23.74	23.70	24.00	0
		1	14	23.60	23.65	23.57	24.00	0
		8	0	22.77	22.67	22.62	23.00	0-1
		8	4	22.85	22.73	22.65	23.00	0-1
		8	7	22.77	22.72	22.61	23.00	0-1
		15	0	22.80	22.69	22.65	23.00	0-1
	16-QAM	1	0	22.85	22.81	22.95	23.00	0-1
		1	7	22.86	22.88	22.77	23.00	0-1
		1	14	22.90	22.80	22.61	23.00	0-1
		8	0	21.92	21.96	21.77	22.00	0-2
		8	4	21.93	21.95	21.77	22.00	0-2
		8	7	21.91	21.85	21.75	22.00	0-2
		15	0	21.92	21.76	21.72	22.00	0-2
	64-QAM	1	0	21.79	21.61	21.51	22.00	0-2
		1	7	21.71	21.69	21.50	22.00	0-2
		1	14	21.70	21.73	21.75	22.00	0-2
		8	0	20.59	20.62	20.25	21.00	0-3
		8	4	20.73	20.54	20.35	21.00	0-3
		8	7	20.72	20.65	20.63	21.00	0-3
		15	0	20.74	20.58	20.69	21.00	0-3

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LTE Band 26								
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	23.75	23.68	23.52	24.00	0
		1	2	23.71	23.78	23.59	24.00	0
		1	5	23.72	23.64	23.46	24.00	0
		3	0	23.76	23.69	23.71	24.00	0
		3	2	23.66	23.74	23.63	24.00	0
		3	3	23.73	23.72	23.58	24.00	0
		6	0	22.73	22.71	22.61	23.00	0-1
	16-QAM	1	0	22.88	22.83	22.95	23.00	0-1
		1	2	22.90	22.94	22.86	23.00	0-1
		1	5	22.91	22.80	22.89	23.00	0-1
		3	0	22.79	22.61	22.38	23.00	0-1
		3	2	22.74	22.71	22.52	23.00	0-1
		3	3	22.65	22.64	22.35	23.00	0-1
		6	0	21.89	21.77	21.73	22.00	0-2
	64-QAM	1	0	21.70	21.74	21.58	22.00	0-2
		1	2	21.78	21.67	21.52	22.00	0-2
		1	5	21.75	21.66	21.74	22.00	0-2
		3	0	21.71	21.73	21.63	22.00	0-2
		3	2	21.79	21.63	21.43	22.00	0-2
		3	3	21.71	21.75	21.58	22.00	0-2
		6	0	20.66	20.54	20.56	21.00	0-3

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LTE Band 30								
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	19.24			19.50	0
		1	25	19.31			19.50	0
		1	49	19.29			19.50	0
		25	0	18.22			18.50	0-1
		25	12	18.31			18.50	0-1
		25	25	18.37			18.50	0-1
		50	0	18.30			18.50	0-1
	16-QAM	1	0	18.49			18.50	0-1
		1	25	18.44			18.50	0-1
		1	49	18.39			18.50	0-1
		25	0	17.28			17.50	0-2
		25	12	17.37			17.50	0-2
		25	25	17.32			17.50	0-2
		50	0	17.29			17.50	0-2
	64-QAM	1	0	17.23			17.50	0-2
		1	25	17.20			17.50	0-2
		1	49	17.27			17.50	0-2
		25	0	16.06			16.50	0-3
		25	12	16.18			16.50	0-3
		25	25	16.04			16.50	0-3
		50	0	16.10			16.50	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	19.06	19.17	19.20	19.50	0
		1	12	19.22	19.14	19.20	19.50	0
		1	24	19.16	19.08	19.16	19.50	0
		12	0	18.17	18.09	18.21	18.50	0-1
		12	6	18.28	18.15	18.24	18.50	0-1
		12	13	18.17	18.16	18.15	18.50	0-1
		25	0	18.25	18.13	18.26	18.50	0-1
	16-QAM	1	0	18.49	18.40	18.34	18.50	0-1
		1	12	18.47	18.41	18.18	18.50	0-1
		1	24	18.14	18.40	18.21	18.50	0-1
		12	0	17.27	17.27	17.24	17.50	0-2
		12	6	17.30	17.34	17.30	17.50	0-2
		12	13	17.27	17.30	17.31	17.50	0-2
		25	0	17.16	17.22	17.21	17.50	0-2
	64-QAM	1	0	17.09	17.36	17.01	17.50	0-2
		1	12	17.17	17.16	17.11	17.50	0-2
		1	24	17.11	17.03	17.10	17.50	0-2
		12	0	16.07	16.28	15.94	16.50	0-3
		12	6	16.16	16.05	15.99	16.50	0-3
		12	13	16.05	16.01	15.99	16.50	0-3
		25	0	16.10	15.99	15.96	16.50	0-3

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LTE Band 66								
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	19.56	19.62	19.65	20.00	0
		1	50	19.68	19.72	19.58	20.00	0
		1	99	19.60	19.55	19.53	20.00	0
		50	0	18.64	18.79	18.75	19.00	0-1
		50	25	18.73	18.73	18.67	19.00	0-1
		50	50	18.67	18.64	18.68	19.00	0-1
		100	0	18.74	18.69	18.66	19.00	0-1
	16-QAM	1	0	18.85	18.81	18.95	19.00	0-1
		1	50	18.96	18.91	18.86	19.00	0-1
		1	99	18.97	18.81	18.85	19.00	0-1
		50	0	17.73	17.87	17.87	18.00	0-2
		50	25	17.86	17.81	17.81	18.00	0-2
		50	50	17.85	17.78	17.70	18.00	0-2
		100	0	17.78	17.85	17.80	18.00	0-2
	64-QAM	1	0	17.66	17.63	17.59	18.00	0-2
		1	50	17.63	17.70	17.72	18.00	0-2
		1	99	17.55	17.71	17.66	18.00	0-2
		50	0	16.63	16.52	16.56	17.00	0-3
		50	25	16.56	16.57	16.71	17.00	0-3
		50	50	16.42	16.59	16.54	17.00	0-3
		100	0	16.50	16.54	16.62	17.00	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	19.47	19.59	19.57	20.00	0
		1	36	19.66	19.65	19.52	20.00	0
		1	74	19.57	19.46	19.50	20.00	0
		36	0	18.63	18.72	18.71	19.00	0-1
		36	18	18.67	18.66	18.64	19.00	0-1
		36	37	18.62	18.55	18.62	19.00	0-1
		75	0	18.66	18.68	18.61	19.00	0-1
	16-QAM	1	0	18.78	18.78	18.85	19.00	0-1
		1	36	18.95	18.89	18.85	19.00	0-1
		1	74	18.87	18.72	18.80	19.00	0-1
		36	0	17.73	17.78	17.85	18.00	0-2
		36	18	17.86	17.73	17.76	18.00	0-2
		36	37	17.81	17.74	17.64	18.00	0-2
		75	0	17.77	17.78	17.78	18.00	0-2
	64-QAM	1	0	17.60	17.53	17.56	18.00	0-2
		1	36	17.59	17.69	17.69	18.00	0-2
		1	74	17.50	17.69	17.65	18.00	0-2
		36	0	16.59	16.44	16.50	17.00	0-3
		36	18	16.54	16.55	16.69	17.00	0-3
		36	37	16.42	16.52	16.53	17.00	0-3
		75	0	16.43	16.51	16.53	17.00	0-3

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LTE Band 66								
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	19.48	19.60	19.58	20.00	0
		1	25	19.59	19.62	19.55	20.00	0
		1	49	19.51	19.55	19.49	20.00	0
		25	0	18.62	18.74	18.72	19.00	0-1
		25	12	18.70	18.66	18.57	19.00	0-1
		25	25	18.57	18.55	18.65	19.00	0-1
		50	0	18.66	18.65	18.66	19.00	0-1
	16-QAM	1	0	18.82	18.73	18.88	19.00	0-1
		1	25	18.94	18.87	18.83	19.00	0-1
		1	49	18.87	18.74	18.79	19.00	0-1
		25	0	17.68	17.81	17.80	18.00	0-2
		25	12	17.82	17.73	17.73	18.00	0-2
		25	25	17.84	17.77	17.65	18.00	0-2
		50	0	17.71	17.84	17.77	18.00	0-2
	64-QAM	1	0	17.56	17.59	17.56	18.00	0-2
		1	25	17.59	17.63	17.70	18.00	0-2
		1	49	17.53	17.63	17.59	18.00	0-2
		25	0	16.54	16.47	16.49	17.00	0-3
		25	12	16.55	16.47	16.65	17.00	0-3
		25	25	16.32	16.58	16.49	17.00	0-3
		50	0	16.43	16.46	16.55	17.00	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	19.42	19.51	19.55	20.00	0
		1	12	19.49	19.52	19.51	20.00	0
		1	24	19.51	19.49	19.41	20.00	0
		12	0	18.54	18.68	18.71	19.00	0-1
		12	6	18.65	18.65	18.50	19.00	0-1
		12	13	18.56	18.49	18.59	19.00	0-1
		25	0	18.57	18.62	18.57	19.00	0-1
	16-QAM	1	0	18.77	18.63	18.82	19.00	0-1
		1	12	18.92	18.85	18.73	19.00	0-1
		1	24	18.85	18.70	18.76	19.00	0-1
		12	0	17.60	17.80	17.71	18.00	0-2
		12	6	17.80	17.71	17.68	18.00	0-2
		12	13	17.77	17.71	17.56	18.00	0-2
		25	0	17.65	17.76	17.70	18.00	0-2
	64-QAM	1	0	17.56	17.56	17.46	18.00	0-2
		1	12	17.53	17.54	17.66	18.00	0-2
		1	24	17.52	17.62	17.50	18.00	0-2
		12	0	16.46	16.37	16.48	17.00	0-3
		12	6	16.46	16.42	16.61	17.00	0-3
		12	13	16.22	16.49	16.41	17.00	0-3
		25	0	16.40	16.46	16.46	17.00	0-3

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LTE Band 66								
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	19.47	19.51	19.50	20.00	0
		1	7	19.46	19.51	19.49	20.00	0
		1	14	19.49	19.53	19.41	20.00	0
		8	0	18.59	18.72	18.63	19.00	0-1
		8	4	18.62	18.63	18.48	19.00	0-1
		8	7	18.54	18.53	18.58	19.00	0-1
		15	0	18.61	18.60	18.58	19.00	0-1
	16-QAM	1	0	18.78	18.67	18.85	19.00	0-1
		1	7	18.91	18.85	18.81	19.00	0-1
		1	14	18.86	18.65	18.73	19.00	0-1
		8	0	17.59	17.77	17.72	18.00	0-2
		8	4	17.79	17.66	17.70	18.00	0-2
		8	7	17.78	17.69	17.60	18.00	0-2
		15	0	17.63	17.76	17.72	18.00	0-2
	64-QAM	1	0	17.55	17.57	17.46	18.00	0-2
		1	7	17.51	17.55	17.64	18.00	0-2
		1	14	17.52	17.56	17.58	18.00	0-2
		8	0	16.51	16.47	16.48	17.00	0-3
		8	4	16.54	16.42	16.60	17.00	0-3
		8	7	16.31	16.52	16.44	17.00	0-3
		15	0	16.40	16.36	16.51	17.00	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	19.31	19.47	19.50	20.00	0
		1	2	19.42	19.47	19.44	20.00	0
		1	5	19.38	19.39	19.42	20.00	0
		3	0	19.36	19.41	19.46	20.00	0
		3	2	19.45	19.31	19.25	20.00	0
		3	3	19.29	19.30	19.40	20.00	0
		6	0	18.53	18.51	18.52	19.00	0-1
	16-QAM	1	0	18.67	18.64	18.75	19.00	0-1
		1	2	18.79	18.79	18.67	19.00	0-1
		1	5	18.72	18.63	18.70	19.00	0-1
		3	0	18.68	18.76	18.76	19.00	0-1
		3	2	18.79	18.70	18.66	19.00	0-1
		3	3	18.77	18.73	18.59	19.00	0-1
		6	0	17.58	17.76	17.62	18.00	0-2
	64-QAM	1	0	17.45	17.45	17.41	18.00	0-2
		1	2	17.51	17.49	17.56	18.00	0-2
		1	5	17.39	17.51	17.42	18.00	0-2
		3	0	17.45	17.39	17.49	18.00	0-2
		3	2	17.48	17.40	17.56	18.00	0-2
		3	3	17.29	17.48	17.36	18.00	0-2
		6	0	16.32	16.38	16.47	17.00	0-3

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LTE Band 71								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	683	688		
Channel				133222	133322	133372		
20	QPSK	1	0	23.29	23.23	23.33	24.00	0
		1	50	23.29	23.20	23.21	24.00	0
		1	99	23.22	23.29	23.20	24.00	0
		50	0	22.21	22.26	22.28	23.00	0-1
		50	25	22.24	22.25	22.27	23.00	0-1
		50	50	22.21	22.24	22.23	23.00	0-1
		100	0	22.27	22.21	22.26	23.00	0-1
	16-QAM	1	0	22.27	22.28	22.25	23.00	0-1
		1	50	22.26	22.29	22.26	23.00	0-1
		1	99	22.21	22.27	22.21	23.00	0-1
		50	0	21.24	21.21	21.24	22.00	0-2
		50	25	21.23	21.22	21.29	22.00	0-2
		50	50	21.27	21.27	21.27	22.00	0-2
		100	0	21.28	21.22	21.27	22.00	0-2
	64-QAM	1	0	21.24	21.21	21.26	22.00	0-2
		1	50	21.26	21.25	21.21	22.00	0-2
		1	99	21.26	21.24	21.21	22.00	0-2
		50	0	20.22	20.27	20.24	21.00	0-3
		50	25	20.29	20.23	20.29	21.00	0-3
		50	50	20.27	20.26	20.22	21.00	0-3
		100	0	20.29	20.25	20.26	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	23.28	23.29	23.25	24.00	0
		1	36	23.27	23.23	23.24	24.00	0
		1	74	23.22	23.21	23.24	24.00	0
		36	0	22.21	22.21	22.26	23.00	0-1
		36	18	22.22	22.30	22.23	23.00	0-1
		36	37	22.24	22.25	22.26	23.00	0-1
		75	0	22.25	22.29	22.22	23.00	0-1
	16-QAM	1	0	22.30	22.25	22.22	23.00	0-1
		1	36	22.22	22.28	22.28	23.00	0-1
		1	74	22.26	22.30	22.30	23.00	0-1
		36	0	21.26	21.26	21.22	22.00	0-2
		36	18	21.21	21.20	21.26	22.00	0-2
		36	37	21.22	21.29	21.25	22.00	0-2
		75	0	21.25	21.23	21.23	22.00	0-2
	64-QAM	1	0	21.20	21.23	21.30	22.00	0-2
		1	36	21.21	21.26	21.28	22.00	0-2
		1	74	21.23	21.27	21.29	22.00	0-2
		36	0	20.29	20.24	20.23	21.00	0-3
		36	18	20.30	20.27	20.30	21.00	0-3
		36	37	20.20	20.24	20.23	21.00	0-3
		75	0	20.24	20.22	20.26	21.00	0-3

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LTE Band 71								
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	23.27	23.20	23.21	24.00	0
		1	25	23.30	23.29	23.21	24.00	0
		1	49	23.22	23.24	23.23	24.00	0
		25	0	22.26	22.21	22.22	23.00	0-1
		25	12	22.30	22.28	22.23	23.00	0-1
		25	25	22.29	22.21	22.20	23.00	0-1
		50	0	22.30	22.21	22.30	23.00	0-1
	16-QAM	1	0	22.28	22.22	22.20	23.00	0-1
		1	25	22.29	22.26	22.22	23.00	0-1
		1	49	22.21	22.27	22.26	23.00	0-1
		25	0	21.22	21.26	21.22	22.00	0-2
		25	12	21.23	21.25	21.20	22.00	0-2
		25	25	21.22	21.22	21.22	22.00	0-2
		50	0	21.21	21.21	21.26	22.00	0-2
	64-QAM	1	0	21.24	21.28	21.26	22.00	0-2
		1	25	21.20	21.26	21.25	22.00	0-2
		1	49	21.20	21.20	21.27	22.00	0-2
		25	0	20.26	20.22	20.25	21.00	0-3
		25	12	20.30	20.24	20.26	21.00	0-3
		25	25	20.23	20.22	20.29	21.00	0-3
		50	0	20.23	20.28	20.24	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	23.25	23.23	23.21	24.00	0
		1	12	23.30	23.20	23.20	24.00	0
		1	24	23.26	23.27	23.26	24.00	0
		12	0	22.20	22.30	22.28	23.00	0-1
		12	6	22.30	22.23	22.21	23.00	0-1
		12	13	22.25	22.25	22.22	23.00	0-1
		25	0	22.23	22.30	22.22	23.00	0-1
	16-QAM	1	0	22.21	22.30	22.24	23.00	0-1
		1	12	22.24	22.20	22.23	23.00	0-1
		1	24	22.30	22.21	22.29	23.00	0-1
		12	0	21.29	21.22	21.22	22.00	0-2
		12	6	21.21	21.24	21.23	22.00	0-2
		12	13	21.25	21.28	21.23	22.00	0-2
		25	0	21.23	21.24	21.26	22.00	0-2
	64-QAM	1	0	21.20	21.27	21.28	22.00	0-2
		1	12	21.27	21.25	21.22	22.00	0-2
		1	24	21.27	21.21	21.20	22.00	0-2
		12	0	20.23	20.29	20.28	21.00	0-3
		12	6	20.25	20.29	20.22	21.00	0-3
		12	13	20.21	20.25	20.20	21.00	0-3
		25	0	20.29	20.27	20.23	21.00	0-3

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1.3.7 Reduced power-Notebook mode-LTE FDD

LTE TDD Band 38 / Band 41 power table:

LTE Band 38								
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	19.42	19.48	19.32	19.50	0
		1	50	19.30	19.37	19.44	19.50	0
		1	99	19.43	19.34	19.45	19.50	0
		50	0	18.47	18.49	18.36	18.50	0-1
		50	25	18.44	18.42	18.36	18.50	0-1
		50	50	18.45	18.38	18.49	18.50	0-1
		100	0	18.47	18.43	18.36	18.50	0-1
	16-QAM	1	0	18.44	18.43	18.46	18.50	0-1
		1	50	18.45	18.42	18.49	18.50	0-1
		1	99	18.41	18.38	18.49	18.50	0-1
		50	0	17.42	17.43	17.46	17.50	0-2
		50	25	17.47	17.43	17.36	17.50	0-2
		50	50	17.39	17.48	17.39	17.50	0-2
		100	0	17.44	17.44	17.36	17.50	0-2
	64-QAM	1	0	17.46	17.26	17.22	17.50	0-2
		1	50	17.45	17.23	17.46	17.50	0-2
		1	99	17.42	17.36	17.27	17.50	0-2
		50	0	16.48	16.16	16.15	16.50	0-3
		50	25	16.48	16.13	16.47	16.50	0-3
		50	50	16.42	16.37	16.23	16.50	0-3
		100	0	16.42	16.29	16.24	16.50	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	19.33	19.40	19.25	19.50	0
		1	36	19.32	19.33	19.38	19.50	0
		1	74	19.35	19.31	19.45	19.50	0
		36	0	18.45	18.45	18.34	18.50	0-1
		36	18	18.37	18.36	18.32	18.50	0-1
		36	37	18.36	18.37	18.43	18.50	0-1
		75	0	18.37	18.41	18.35	18.50	0-1
	16-QAM	1	0	18.37	18.34	18.42	18.50	0-1
		1	36	18.38	18.42	18.47	18.50	0-1
		1	74	18.31	18.36	18.39	18.50	0-1
		36	0	17.40	17.35	17.44	17.50	0-2
		36	18	17.45	17.35	17.32	17.50	0-2
		36	37	17.29	17.42	17.38	17.50	0-2
		75	0	17.41	17.39	17.31	17.50	0-2
	64-QAM	1	0	17.45	17.17	17.21	17.50	0-2
		1	36	17.40	17.15	17.39	17.50	0-2
		1	74	17.41	17.33	17.22	17.50	0-2
		36	0	16.46	16.12	16.06	16.50	0-3
		36	18	16.47	16.03	16.47	16.50	0-3
		36	37	16.38	16.36	16.14	16.50	0-3
		75	0	16.40	16.20	16.24	16.50	0-3

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LTE Band 38								
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	19.36	19.36	19.23	19.50	0
		1	25	19.27	19.36	19.38	19.50	0
		1	49	19.38	19.27	19.41	19.50	0
		25	0	18.44	18.46	18.35	18.50	0-1
		25	12	18.40	18.35	18.33	18.50	0-1
		25	25	18.38	18.32	18.45	18.50	0-1
		50	0	18.39	18.35	18.33	18.50	0-1
	16-QAM	1	0	18.40	18.40	18.43	18.50	0-1
		1	25	18.40	18.33	18.41	18.50	0-1
		1	49	18.32	18.31	18.49	18.50	0-1
		25	0	17.32	17.42	17.42	17.50	0-2
		25	12	17.44	17.42	17.27	17.50	0-2
		25	25	17.29	17.40	17.36	17.50	0-2
		50	0	17.38	17.36	17.29	17.50	0-2
	64-QAM	1	0	17.45	17.19	17.17	17.50	0-2
		1	25	17.42	17.23	17.36	17.50	0-2
		1	49	17.34	17.35	17.17	17.50	0-2
		25	0	16.39	16.09	16.12	16.50	0-3
		25	12	16.45	16.13	16.39	16.50	0-3
		25	25	16.33	16.29	16.14	16.50	0-3
		50	0	16.41	16.24	16.24	16.50	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	19.31	19.35	19.20	19.50	0
		1	12	19.18	19.22	19.31	19.50	0
		1	24	19.29	19.20	19.30	19.50	0
		12	0	18.34	18.42	18.30	18.50	0-1
		12	6	18.36	18.31	18.24	18.50	0-1
		12	13	18.30	18.30	18.43	18.50	0-1
		25	0	18.42	18.31	18.29	18.50	0-1
	16-QAM	1	0	18.32	18.36	18.34	18.50	0-1
		1	12	18.36	18.29	18.38	18.50	0-1
		1	24	18.34	18.23	18.44	18.50	0-1
		12	0	17.32	17.34	17.37	17.50	0-2
		12	6	17.33	17.38	17.31	17.50	0-2
		12	13	17.26	17.36	17.34	17.50	0-2
		25	0	17.33	17.29	17.29	17.50	0-2
	64-QAM	1	0	17.32	17.12	17.12	17.50	0-2
		1	12	17.39	17.17	17.39	17.50	0-2
		1	24	17.33	17.22	17.17	17.50	0-2
		12	0	16.37	16.02	16.05	16.50	0-3
		12	6	16.42	16.00	16.39	16.50	0-3
		12	13	16.36	16.29	16.11	16.50	0-3
		25	0	16.30	16.22	16.16	16.50	0-3

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LTE Band 41											
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	19.15	19.46	19.42	19.47	19.45	19.50	0
		1	50	19.33	19.09	19.21	19.40	19.36	19.50	0
		1	99	19.10	19.37	19.08	19.43	19.23	19.50	0
		50	0	18.14	18.36	18.45	18.46	18.45	18.50	0-1
		50	25	18.15	18.32	18.36	18.49	18.42	18.50	0-1
		50	50	18.23	18.32	18.31	18.43	18.43	18.50	0-1
		100	0	18.33	18.33	18.47	18.48	18.42	18.50	0-1
	16-QAM	1	0	18.19	18.42	18.27	18.40	18.44	18.50	0-1
		1	50	18.47	18.46	18.45	18.48	18.42	18.50	0-1
		1	99	18.41	18.46	18.40	18.36	18.45	18.50	0-1
		50	0	17.39	17.49	17.45	17.44	17.48	17.50	0-2
		50	25	17.41	17.47	17.40	17.46	17.49	17.50	0-2
		50	50	17.38	17.47	17.46	17.42	17.45	17.50	0-2
		100	0	17.47	17.48	17.41	17.47	17.49	17.50	0-2
	64-QAM	1	0	17.09	17.14	16.94	17.08	17.16	17.50	0-2
		1	50	17.20	17.20	17.03	17.10	17.21	17.50	0-2
		1	99	17.22	17.23	16.99	17.29	17.11	17.50	0-2
		50	0	16.01	16.06	15.81	16.04	16.08	16.50	0-3
		50	25	16.18	16.12	15.91	15.96	16.20	16.50	0-3
		50	50	16.08	16.20	15.96	16.25	16.06	16.50	0-3
		100	0	16.13	16.16	15.99	16.10	16.08	16.50	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	19.08	19.42	19.39	19.35	19.40	19.50	0
		1	36	19.34	19.03	19.20	19.40	19.40	19.50	0
		1	74	19.09	19.27	18.99	19.38	19.16	19.50	0
		36	0	18.10	18.27	18.39	18.36	18.43	18.50	0-1
		36	18	18.12	18.27	18.36	18.43	18.35	18.50	0-1
		36	37	18.19	18.22	18.29	18.39	18.38	18.50	0-1
		75	0	18.30	18.31	18.44	18.46	18.34	18.50	0-1
	16-QAM	1	0	18.12	18.37	18.23	18.39	18.37	18.50	0-1
		1	36	18.37	18.41	18.40	18.44	18.36	18.50	0-1
		1	74	18.34	18.45	18.39	18.29	18.39	18.50	0-1
		36	0	17.36	17.41	17.35	17.36	17.40	17.50	0-2
		36	18	17.32	17.38	17.37	17.39	17.46	17.50	0-2
		36	37	17.36	17.40	17.43	17.38	17.42	17.50	0-2
		75	0	17.37	17.41	17.40	17.46	17.42	17.50	0-2
	64-QAM	1	0	17.02	17.14	16.89	17.06	17.16	17.50	0-2
		1	36	17.15	17.16	17.00	17.02	17.13	17.50	0-2
		1	74	17.20	17.17	16.95	17.27	17.02	17.50	0-2
		36	0	16.01	15.98	15.78	16.00	16.00	16.50	0-3
		36	18	16.15	16.09	15.90	15.95	16.13	16.50	0-3
		36	37	16.00	16.19	15.90	16.17	16.01	16.50	0-3
		75	0	16.11	16.09	15.91	16.02	16.07	16.50	0-3

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LTE Band 41											
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	19.14	19.38	19.35	19.31	19.36	19.50	0
		1	25	19.35	19.09	19.12	19.32	19.35	19.50	0
		1	49	19.07	19.32	19.00	19.39	19.14	19.50	0
		25	0	18.07	18.32	18.39	18.42	18.40	18.50	0-1
		25	12	18.09	18.26	18.33	18.49	18.34	18.50	0-1
		25	25	18.19	18.28	18.25	18.42	18.40	18.50	0-1
		50	0	18.25	18.27	18.41	18.47	18.36	18.50	0-1
	16-QAM	1	0	18.13	18.41	18.17	18.34	18.37	18.50	0-1
		1	25	18.41	18.39	18.35	18.45	18.42	18.50	0-1
		1	49	18.40	18.45	18.32	18.28	18.39	18.50	0-1
		25	0	17.30	17.45	17.37	17.40	17.41	17.50	0-2
		25	12	17.37	17.43	17.37	17.44	17.39	17.50	0-2
		25	25	17.33	17.46	17.40	17.41	17.42	17.50	0-2
		50	0	17.42	17.45	17.35	17.38	17.40	17.50	0-2
	64-QAM	1	0	17.04	17.05	16.87	17.06	17.07	17.50	0-2
		1	25	17.12	17.14	17.02	17.07	17.19	17.50	0-2
		1	49	17.21	17.17	16.92	17.27	17.04	17.50	0-2
		25	0	15.95	15.99	15.74	16.01	16.04	16.50	0-3
		25	12	16.10	16.11	15.83	15.96	16.14	16.50	0-3
		25	25	16.01	16.11	15.94	16.17	16.04	16.50	0-3
		50	0	16.08	16.08	15.92	16.03	16.07	16.50	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	19.15	19.29	19.33	19.30	19.36	19.50	0
		1	12	19.31	19.07	19.19	19.32	19.30	19.50	0
		1	24	19.09	19.37	19.03	19.35	19.19	19.50	0
		12	0	18.09	18.29	18.42	18.40	18.41	18.50	0-1
		12	6	18.11	18.30	18.29	18.41	18.41	18.50	0-1
		12	13	18.14	18.30	18.28	18.34	18.41	18.50	0-1
		25	0	18.25	18.29	18.41	18.48	18.40	18.50	0-1
	16-QAM	1	0	18.18	18.38	18.26	18.35	18.42	18.50	0-1
		1	12	18.40	18.38	18.40	18.42	18.32	18.50	0-1
		1	24	18.41	18.42	18.35	18.32	18.40	18.50	0-1
		12	0	17.32	17.43	17.35	17.35	17.45	17.50	0-2
		12	6	17.40	17.45	17.33	17.40	17.47	17.50	0-2
		12	13	17.29	17.39	17.46	17.39	17.36	17.50	0-2
		25	0	17.37	17.41	17.39	17.43	17.39	17.50	0-2
	64-QAM	1	0	17.05	17.07	16.85	17.01	17.08	17.50	0-2
		1	12	17.19	17.13	17.00	17.05	17.12	17.50	0-2
		1	24	17.15	17.21	16.91	17.25	17.06	17.50	0-2
		12	0	16.01	16.00	15.71	15.94	16.01	16.50	0-3
		12	6	16.11	16.04	15.81	15.90	16.15	16.50	0-3
		12	13	16.07	16.17	15.93	16.23	16.02	16.50	0-3
		25	0	16.10	16.15	15.98	16.07	16.05	16.50	0-3

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LTE Band 41(HPUE)											
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	21.14	21.44	21.33	21.47	21.44	21.50	0
		1	50	21.33	21.08	21.13	21.31	21.31	21.50	0
		1	99	21.07	21.37	21.07	21.41	21.19	21.50	0
		50	0	20.05	20.28	20.40	20.38	20.40	20.50	0-1
		50	25	20.12	20.29	20.34	20.41	20.36	20.50	0-1
		50	50	20.18	20.27	20.22	20.35	20.35	20.50	0-1
		100	0	20.25	20.29	20.44	20.45	20.34	20.50	0-1
	16-QAM	1	0	20.11	20.36	20.21	20.32	20.37	20.50	0-1
		1	50	20.44	20.44	20.39	20.47	20.39	20.50	0-1
		1	99	20.37	20.40	20.32	20.26	20.37	20.50	0-1
		50	0	19.30	19.41	19.39	19.40	19.46	19.50	0-2
		50	25	19.38	19.39	19.36	19.39	19.42	19.50	0-2
		50	50	19.33	19.46	19.42	19.36	19.40	19.50	0-2
		100	0	19.45	19.42	19.37	19.46	19.45	19.50	0-2
	64-QAM	1	0	19.36	19.32	19.48	19.42	19.38	19.50	0-2
		1	50	19.33	19.36	19.44	19.45	19.36	19.50	0-2
		1	99	19.47	19.43	19.49	19.45	19.33	19.50	0-2
		50	0	18.47	18.43	18.42	18.34	18.31	18.50	0-3
		50	25	18.31	18.36	18.44	18.32	18.33	18.50	0-3
		50	50	18.36	18.46	18.40	18.34	18.49	18.50	0-3
		100	0	18.31	18.33	18.49	18.45	18.47	18.50	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	21.02	21.39	21.35	21.30	21.38	21.50	0
		1	36	21.33	20.95	21.10	21.32	21.32	21.50	0
		1	74	21.00	21.24	20.93	21.34	21.07	21.50	0
		36	0	20.10	20.26	20.37	20.27	20.42	20.50	0-1
		36	18	20.11	20.24	20.28	20.40	20.30	20.50	0-1
		36	37	20.10	20.17	20.29	20.35	20.35	20.50	0-1
		75	0	20.24	20.22	20.36	20.38	20.34	20.50	0-1
	16-QAM	1	0	20.06	20.30	20.23	20.30	20.35	20.50	0-1
		1	36	20.35	20.33	20.33	20.36	20.28	20.50	0-1
		1	74	20.29	20.39	20.30	20.26	20.31	20.50	0-1
		36	0	19.35	19.36	19.28	19.31	19.32	19.50	0-2
		36	18	19.31	19.38	19.29	19.36	19.44	19.50	0-2
		36	37	19.27	19.31	19.35	19.33	19.36	19.50	0-2
		75	0	19.31	19.36	19.37	19.43	19.36	19.50	0-2
	64-QAM	1	0	19.01	19.04	18.81	18.99	19.07	19.50	0-2
		1	36	19.08	19.11	18.91	18.96	19.12	19.50	0-2
		1	74	19.11	19.10	18.88	19.19	18.96	19.50	0-2
		36	0	17.95	17.90	17.77	17.90	17.93	18.50	0-3
		36	18	18.13	18.08	17.84	17.88	18.07	18.50	0-3
		36	37	17.92	18.16	17.80	18.11	18.01	18.50	0-3
		75	0	18.05	18.08	17.90	17.98	17.99	18.50	0-3

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LTE Band 41 (HPUE)											
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	21.05	21.31	21.31	21.30	21.29	21.50	0
		1	25	21.30	21.04	21.08	21.24	21.33	21.50	0
		1	49	21.01	21.23	20.91	21.38	21.13	21.50	0
		25	0	20.03	20.24	20.34	20.38	20.36	20.50	0-1
		25	12	20.06	20.21	20.28	20.40	20.32	20.50	0-1
		25	25	20.09	20.27	20.22	20.39	20.30	20.50	0-1
		50	0	20.23	20.19	20.35	20.41	20.36	20.50	0-1
	16-QAM	1	0	20.08	20.31	20.12	20.26	20.31	20.50	0-1
		1	25	20.41	20.37	20.34	20.43	20.38	20.50	0-1
		1	49	20.36	20.36	20.24	20.26	20.38	20.50	0-1
		25	0	19.22	19.41	19.31	19.39	19.37	19.50	0-2
		25	12	19.27	19.36	19.33	19.38	19.30	19.50	0-2
		25	25	19.33	19.46	19.31	19.33	19.39	19.50	0-2
		50	0	19.33	19.40	19.32	19.34	19.39	19.50	0-2
	64-QAM	1	0	19.03	19.01	18.86	19.05	19.00	19.50	0-2
		1	25	19.04	19.12	18.99	18.99	19.17	19.50	0-2
		1	49	19.11	19.14	18.83	19.21	18.95	19.50	0-2
		25	0	17.87	17.95	17.70	17.97	17.95	18.50	0-3
		25	12	18.05	18.09	17.76	17.90	18.09	18.50	0-3
		25	25	17.93	18.03	17.88	18.11	18.03	18.50	0-3
		50	0	18.00	18.04	17.87	17.94	18.01	18.50	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	21.07	21.22	21.23	21.30	21.35	21.50	0
		1	12	21.25	21.02	21.14	21.30	21.29	21.50	0
		1	24	21.01	21.28	21.03	21.31	21.16	21.50	0
		12	0	20.06	20.23	20.34	20.38	20.40	20.50	0-1
		12	6	20.06	20.30	20.22	20.40	20.33	20.50	0-1
		12	13	20.06	20.24	20.25	20.32	20.31	20.50	0-1
		25	0	20.24	20.27	20.40	20.41	20.32	20.50	0-1
	16-QAM	1	0	20.15	20.38	20.23	20.28	20.38	20.50	0-1
		1	12	20.34	20.34	20.32	20.41	20.25	20.50	0-1
		1	24	20.36	20.42	20.35	20.25	20.39	20.50	0-1
		12	0	19.23	19.39	19.27	19.28	19.44	19.50	0-2
		12	6	19.38	19.35	19.32	19.33	19.44	19.50	0-2
		12	13	19.23	19.39	19.45	19.38	19.27	19.50	0-2
		25	0	19.33	19.40	19.31	19.37	19.31	19.50	0-2
	64-QAM	1	0	19.02	19.01	18.85	18.93	19.08	19.50	0-2
		1	12	19.10	19.10	18.99	18.95	19.09	19.50	0-2
		1	24	19.10	19.11	18.82	19.23	18.99	19.50	0-2
		12	0	17.95	17.92	17.61	17.90	17.92	18.50	0-3
		12	6	18.10	18.00	17.79	17.82	18.05	18.50	0-3
		12	13	18.00	18.16	17.83	18.21	17.97	18.50	0-3
		25	0	18.09	18.09	17.98	18.07	18.02	18.50	0-3

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1.3.8 Reduced power-Tablet mode-LTE FDD

LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 / Band 66 / Band 71 power table :

LTE Band 2								
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	14.07	13.89	14.09	14.50	0
		1	50	14.03	13.70	13.59	14.50	0
		1	99	13.98	14.12	14.49	14.50	0
		50	0	13.03	12.93	13.18	13.50	0-1
		50	25	13.02	12.82	13.27	13.50	0-1
		50	50	12.97	12.93	13.48	13.50	0-1
		100	0	12.98	12.82	13.24	13.50	0-1
	16-QAM	1	0	13.40	13.06	13.22	13.50	0-1
		1	50	13.23	13.12	13.47	13.50	0-1
		1	99	13.33	13.46	13.49	13.50	0-1
		50	0	12.19	12.03	12.24	12.50	0-2
		50	25	12.23	11.88	12.37	12.50	0-2
		50	50	12.14	12.01	12.44	12.50	0-2
		100	0	12.09	12.00	12.37	12.50	0-2
	64-QAM	1	0	12.08	12.06	12.06	12.50	0-2
		1	50	12.23	12.18	12.09	12.50	0-2
		1	99	12.15	12.15	12.19	12.50	0-2
		50	0	11.33	11.17	11.15	11.50	0-3
		50	25	11.07	11.17	11.13	11.50	0-3
		50	50	11.15	11.22	11.07	11.50	0-3
		100	0	11.21	11.20	11.06	11.50	0-3
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	14.02	13.86	14.05	14.50	0
		1	36	14.00	13.62	13.49	14.50	0
		1	74	13.93	14.09	14.39	14.50	0
		36	0	13.03	12.83	13.10	13.50	0-1
		36	18	12.96	12.79	13.24	13.50	0-1
		36	37	12.88	12.86	13.48	13.50	0-1
		75	0	12.94	12.74	13.21	13.50	0-1
	16-QAM	1	0	13.37	12.99	13.15	13.50	0-1
		1	36	13.16	13.11	13.45	13.50	0-1
		1	74	13.25	13.37	13.44	13.50	0-1
		36	0	12.11	11.95	12.23	12.50	0-2
		36	18	12.21	11.82	12.28	12.50	0-2
		36	37	12.13	12.00	12.43	12.50	0-2
		75	0	12.09	12.00	12.33	12.50	0-2
	64-QAM	1	0	12.05	11.98	12.01	12.50	0-2
		1	36	12.19	12.13	12.05	12.50	0-2
		1	74	12.07	12.05	12.10	12.50	0-2
		36	0	11.30	11.10	11.05	11.50	0-3
		36	18	11.03	11.16	11.07	11.50	0-3
		36	37	11.13	11.13	11.03	11.50	0-3
		75	0	11.11	11.19	11.02	11.50	0-3

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LTE Band 2								
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	14.03	13.81	14.09	14.50	0
		1	25	13.94	13.70	13.50	14.50	0
		1	49	13.96	14.02	14.35	14.50	0
		25	0	13.01	12.92	13.10	13.50	0-1
		25	12	12.99	12.77	13.25	13.50	0-1
		25	25	12.89	12.93	13.44	13.50	0-1
		50	0	12.89	12.79	13.15	13.50	0-1
	16-QAM	1	0	13.38	13.05	13.16	13.50	0-1
		1	25	13.18	13.11	13.40	13.50	0-1
		1	49	13.29	13.46	13.43	13.50	0-1
		25	0	12.18	12.01	12.19	12.50	0-2
		25	12	12.17	11.79	12.36	12.50	0-2
		25	25	12.05	11.98	12.39	12.50	0-2
		50	0	12.02	11.91	12.27	12.50	0-2
	64-QAM	1	0	12.01	12.00	12.00	12.50	0-2
		1	25	12.18	12.10	12.04	12.50	0-2
		1	49	12.05	12.12	12.12	12.50	0-2
		25	0	11.27	11.11	11.08	11.50	0-3
		25	12	11.03	11.16	11.05	11.50	0-3
		25	25	11.12	11.21	11.01	11.50	0-3
		50	0	11.18	11.17	11.01	11.50	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	13.98	13.80	14.00	14.50	0
		1	12	13.84	13.66	13.46	14.50	0
		1	24	13.93	14.02	14.27	14.50	0
		12	0	13.00	12.86	13.09	13.50	0-1
		12	6	12.90	12.77	13.23	13.50	0-1
		12	13	12.83	12.88	13.37	13.50	0-1
		25	0	12.88	12.74	13.13	13.50	0-1
	16-QAM	1	0	13.37	13.02	13.13	13.50	0-1
		1	12	13.15	13.01	13.35	13.50	0-1
		1	24	13.21	13.40	13.37	13.50	0-1
		12	0	12.09	11.95	12.11	12.50	0-2
		12	6	12.07	11.74	12.30	12.50	0-2
		12	13	12.00	11.93	12.36	12.50	0-2
		25	0	12.01	11.81	12.23	12.50	0-2
	64-QAM	1	0	11.97	11.97	11.93	12.50	0-2
		1	12	12.10	12.02	11.96	12.50	0-2
		1	24	11.97	12.10	12.12	12.50	0-2
		12	0	11.18	11.07	11.01	11.50	0-3
		12	6	11.01	11.07	10.98	11.50	0-3
		12	13	11.04	11.13	11.01	11.50	0-3
		25	0	11.17	11.14	10.94	11.50	0-3

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LTE Band 2								
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	13.98	13.69	14.41	14.50	0
		1	7	14.32	14.35	14.35	14.50	0
		1	14	14.40	14.26	14.30	14.50	0
		8	0	13.42	13.21	13.44	13.50	0-1
		8	4	13.26	13.26	13.39	13.50	0-1
		8	7	13.40	13.33	13.38	13.50	0-1
		15	0	13.42	13.22	13.43	13.50	0-1
	16-QAM	1	0	13.39	13.42	13.41	13.50	0-1
		1	7	13.40	13.24	13.30	13.50	0-1
		1	14	13.42	13.21	13.48	13.50	0-1
		8	0	12.35	12.24	12.27	12.50	0-2
		8	4	12.46	12.35	12.32	12.50	0-2
		8	7	12.25	12.23	12.23	12.50	0-2
		15	0	12.42	12.31	12.27	12.50	0-2
	64-QAM	1	0	12.50	12.43	12.28	12.50	0-2
		1	7	12.26	12.29	12.48	12.50	0-2
		1	14	12.47	12.48	12.31	12.50	0-2
		8	0	11.45	11.42	11.36	11.50	0-3
		8	4	11.39	11.33	11.36	11.50	0-3
		8	7	11.42	11.32	11.22	11.50	0-3
		15	0	11.47	11.26	11.35	11.50	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	13.91	13.65	14.35	14.50	0
		1	2	14.26	14.32	14.32	14.50	0
		1	5	14.29	14.33	14.27	14.50	0
		3	0	14.25	14.33	14.29	14.50	0
		3	2	14.34	14.24	14.23	14.50	0
		3	3	14.33	14.24	14.31	14.50	0
		6	0	13.33	13.37	13.35	13.50	0-1
	16-QAM	1	0	13.41	13.34	13.47	13.50	0-1
		1	2	13.31	13.31	13.41	13.50	0-1
		1	5	13.42	13.20	13.39	13.50	0-1
		3	0	13.28	13.36	13.38	13.50	0-1
		3	2	13.36	13.24	13.23	13.50	0-1
		3	3	13.42	13.48	13.42	13.50	0-1
		6	0	12.21	12.30	12.24	12.50	0-2
	64-QAM	1	0	12.39	12.26	12.38	12.50	0-2
		1	2	12.41	12.39	12.50	12.50	0-2
		1	5	12.43	12.45	12.44	12.50	0-2
		3	0	12.48	12.49	12.33	12.50	0-2
		3	2	12.24	12.40	12.45	12.50	0-2
		3	3	12.24	12.45	12.44	12.50	0-2
		6	0	11.46	11.21	11.25	11.50	0-3

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LTE Band 4								
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	14.39	14.48	14.45	14.50	0
		1	50	14.30	14.49	14.42	14.50	0
		1	99	14.42	14.31	14.26	14.50	0
		50	0	13.45	13.48	13.41	13.50	0-1
		50	25	13.44	13.48	13.45	13.50	0-1
		50	50	13.47	13.46	13.32	13.50	0-1
		100	0	13.41	13.43	13.44	13.50	0-1
	16-QAM	1	0	13.42	13.17	13.08	13.50	0-1
		1	50	13.46	13.09	13.05	13.50	0-1
		1	99	13.16	13.08	13.06	13.50	0-1
		50	0	12.41	12.43	12.28	12.50	0-2
		50	25	12.36	12.38	12.24	12.50	0-2
		50	50	12.41	12.27	12.32	12.50	0-2
		100	0	12.41	12.26	12.24	12.50	0-2
	64-QAM	1	0	12.37	12.45	12.32	12.50	0-2
		1	50	12.50	12.38	12.46	12.50	0-2
		1	99	12.41	12.32	12.38	12.50	0-2
		50	0	11.31	11.30	11.28	11.50	0-3
		50	25	11.22	11.45	11.23	11.50	0-3
		50	50	11.42	11.33	11.44	11.50	0-3
		100	0	11.45	11.36	11.42	11.50	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	14.29	14.41	14.44	14.50	0
		1	36	14.24	14.42	14.35	14.50	0
		1	74	14.41	14.29	14.18	14.50	0
		36	0	13.42	13.46	13.39	13.50	0-1
		36	18	13.38	13.45	13.36	13.50	0-1
		36	37	13.40	13.43	13.24	13.50	0-1
		75	0	13.40	13.39	13.36	13.50	0-1
	16-QAM	1	0	13.33	13.08	13.03	13.50	0-1
		1	36	13.42	13.07	12.97	13.50	0-1
		1	74	13.11	12.98	13.05	13.50	0-1
		36	0	12.33	12.37	12.20	12.50	0-2
		36	18	12.35	12.31	12.20	12.50	0-2
		36	37	12.39	12.22	12.23	12.50	0-2
		75	0	12.31	12.24	12.24	12.50	0-2
	64-QAM	1	0	12.29	12.43	12.31	12.50	0-2
		1	36	12.44	12.36	12.37	12.50	0-2
		1	74	12.32	12.31	12.34	12.50	0-2
		36	0	11.26	11.29	11.27	11.50	0-3
		36	18	11.22	11.38	11.20	11.50	0-3
		36	37	11.40	11.31	11.39	11.50	0-3
		75	0	11.41	11.30	11.34	11.50	0-3

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LTE Band 4								
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	14.28	14.31	14.40	14.50	0
		1	25	14.14	14.35	14.31	14.50	0
		1	49	14.34	14.22	14.14	14.50	0
		25	0	13.37	13.43	13.38	13.50	0-1
		25	12	13.32	13.38	13.33	13.50	0-1
		25	25	13.35	13.35	13.14	13.50	0-1
		50	0	13.32	13.38	13.33	13.50	0-1
	16-QAM	1	0	13.26	13.03	13.02	13.50	0-1
		1	25	13.36	13.05	12.96	13.50	0-1
		1	49	13.04	12.95	13.00	13.50	0-1
		25	0	12.32	12.33	12.18	12.50	0-2
		25	12	12.26	12.25	12.12	12.50	0-2
		25	25	12.29	12.19	12.15	12.50	0-2
		50	0	12.30	12.20	12.21	12.50	0-2
	64-QAM	1	0	12.20	12.34	12.27	12.50	0-2
		1	25	12.35	12.32	12.31	12.50	0-2
		1	49	12.23	12.29	12.30	12.50	0-2
		25	0	11.22	11.21	11.21	11.50	0-3
		25	12	11.14	11.38	11.19	11.50	0-3
		25	25	11.32	11.21	11.29	11.50	0-3
		50	0	11.40	11.25	11.27	11.50	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	14.21	14.36	13.37	14.50	0
		1	12	14.24	14.39	14.28	14.50	0
		1	24	14.35	14.20	14.17	14.50	0
		12	0	13.37	13.41	13.36	13.50	0-1
		12	6	13.31	13.45	13.29	13.50	0-1
		12	13	13.38	13.33	13.16	13.50	0-1
		25	0	13.38	13.30	13.32	13.50	0-1
	16-QAM	1	0	13.25	13.01	12.96	13.50	0-1
		1	12	13.38	13.05	12.87	13.50	0-1
		1	24	13.08	12.97	12.95	13.50	0-1
		12	0	12.30	12.29	12.18	12.50	0-2
		12	6	12.29	12.22	12.15	12.50	0-2
		12	13	12.29	12.20	12.22	12.50	0-2
		25	0	12.26	12.17	12.23	12.50	0-2
	64-QAM	1	0	12.22	12.37	12.28	12.50	0-2
		1	12	12.42	12.35	12.35	12.50	0-2
		1	24	12.29	12.23	12.26	12.50	0-2
		12	0	11.22	11.28	11.19	11.50	0-3
		12	6	11.21	11.37	11.19	11.50	0-3
		12	13	11.37	11.22	11.31	11.50	0-3
		25	0	11.41	11.22	11.31	11.50	0-3

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LTE Band 4								
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	14.21	14.27	14.25	14.50	0
		1	7	14.20	14.31	14.23	14.50	0
		1	14	14.34	14.16	14.15	14.50	0
		8	0	13.29	13.34	13.27	13.50	0-1
		8	4	13.26	13.39	13.21	13.50	0-1
		8	7	13.34	13.29	13.10	13.50	0-1
		15	0	13.36	13.21	13.32	13.50	0-1
	16-QAM	1	0	13.24	12.96	12.89	13.50	0-1
		1	7	13.31	12.97	12.82	13.50	0-1
		1	14	13.00	12.95	12.94	13.50	0-1
		8	0	12.23	12.24	12.10	12.50	0-2
		8	4	12.19	12.20	12.05	12.50	0-2
		8	7	12.26	12.18	12.14	12.50	0-2
		15	0	12.21	12.14	12.23	12.50	0-2
	64-QAM	1	0	12.14	12.28	12.20	12.50	0-2
		1	7	12.39	12.32	12.35	12.50	0-2
		1	14	12.24	12.18	12.17	12.50	0-2
		8	0	11.13	11.25	11.09	11.50	0-3
		8	4	11.15	11.34	11.18	11.50	0-3
		8	7	11.35	11.13	11.25	11.50	0-3
		15	0	11.35	11.18	11.28	11.50	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	14.18	14.34	14.32	14.50	0
		1	2	14.14	14.30	14.23	14.50	0
		1	5	14.35	14.20	14.10	14.50	0
		3	0	13.97	14.02	13.91	14.50	0
		3	2	13.86	14.00	13.89	14.50	0
		3	3	14.05	13.96	13.78	14.50	0
		6	0	13.35	13.29	13.31	13.50	0-1
	16-QAM	1	0	13.21	12.97	12.90	13.50	0-1
		1	2	13.34	13.05	12.78	13.50	0-1
		1	5	12.98	12.95	12.92	13.50	0-1
		3	0	12.99	12.97	12.89	13.50	0-1
		3	2	13.00	12.91	12.89	13.50	0-1
		3	3	12.95	12.90	12.97	13.50	0-1
		6	0	12.20	12.10	12.23	12.50	0-2
	64-QAM	1	0	12.13	12.28	12.27	12.50	0-2
		1	2	12.39	12.27	12.34	12.50	0-2
		1	5	12.21	12.18	12.16	12.50	0-2
		3	0	12.18	12.29	12.19	12.50	0-2
		3	2	12.23	12.40	12.26	12.50	0-2
		3	3	12.34	12.18	12.23	12.50	0-2
		6	0	11.34	11.20	11.28	11.50	0-3

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LTE Band 5								
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	22.56	22.46	22.43	23.00	0
		1	25	22.73	22.41	22.45	23.00	0
		1	49	22.64	22.34	22.51	23.00	0
		25	0	21.63	21.56	21.46	22.00	0-1
		25	12	21.72	21.58	21.55	22.00	0-1
		25	25	21.66	21.57	21.57	22.00	0-1
		50	0	21.69	21.58	21.52	22.00	0-1
	16-QAM	1	0	21.96	21.98	21.99	22.00	0-1
		1	25	21.94	21.97	21.73	22.00	0-1
		1	49	20.82	20.80	20.93	21.00	0-1
		25	0	20.76	20.57	20.63	21.00	0-2
		25	12	20.78	20.66	20.71	21.00	0-2
		25	25	20.82	20.52	20.66	21.00	0-2
		50	0	20.82	20.66	20.57	21.00	0-2
	64-QAM	1	0	20.62	20.64	20.48	21.00	0-2
		1	25	20.65	20.55	20.57	21.00	0-2
		1	49	20.72	20.48	20.45	21.00	0-2
		25	0	19.69	19.67	19.39	20.00	0-3
		25	12	19.63	19.65	19.34	20.00	0-3
		25	25	19.61	19.67	19.61	20.00	0-3
		50	0	19.64	19.53	19.41	20.00	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	22.54	22.41	22.42	23.00	0
		1	12	22.68	22.34	22.44	23.00	0
		1	24	22.61	22.27	22.46	23.00	0
		12	0	21.57	21.53	21.40	22.00	0-1
		12	6	21.68	21.52	21.49	22.00	0-1
		12	13	21.65	21.56	21.53	22.00	0-1
		25	0	21.64	21.52	21.45	22.00	0-1
	16-QAM	1	0	21.90	21.92	21.89	22.00	0-1
		1	12	21.88	21.92	21.72	22.00	0-1
		1	24	20.81	20.74	20.92	21.00	0-1
		12	0	20.69	20.52	20.63	21.00	0-2
		12	6	20.76	20.60	20.62	21.00	0-2
		12	13	20.74	20.47	20.64	21.00	0-2
		25	0	20.74	20.63	20.56	21.00	0-2
	64-QAM	1	0	20.55	20.57	20.44	21.00	0-2
		1	12	20.58	20.48	20.54	21.00	0-2
		1	24	20.62	20.47	20.37	21.00	0-2
		12	0	19.63	19.62	19.32	20.00	0-3
		12	6	19.56	19.64	19.26	20.00	0-3
		12	13	19.61	19.62	19.56	20.00	0-3
		25	0	19.61	19.50	19.37	20.00	0-3

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LTE Band 5								
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	22.53	22.37	22.37	23.00	0
		1	7	22.65	22.39	22.40	23.00	0
		1	14	22.55	22.31	22.47	23.00	0
		8	0	21.62	21.53	21.37	22.00	0-1
		8	4	21.67	21.50	21.53	22.00	0-1
		8	7	21.60	21.47	21.49	22.00	0-1
		15	0	21.60	21.58	21.52	22.00	0-1
	16-QAM	1	0	21.96	21.91	21.97	22.00	0-1
		1	7	21.90	21.92	21.70	22.00	0-1
		1	14	20.81	20.75	20.84	21.00	0-1
		8	0	20.68	20.48	20.61	21.00	0-2
		8	4	20.70	20.58	20.65	21.00	0-2
		8	7	20.74	20.49	20.63	21.00	0-2
		15	0	20.80	20.61	20.54	21.00	0-2
	64-QAM	1	0	20.56	20.59	20.45	21.00	0-2
		1	7	20.63	20.46	20.54	21.00	0-2
		1	14	20.68	20.46	20.38	21.00	0-2
		8	0	19.61	19.62	19.34	20.00	0-3
		8	4	19.58	19.57	19.27	20.00	0-3
		8	7	19.58	19.62	19.53	20.00	0-3
		15	0	19.60	19.51	19.39	20.00	0-3
Frequency (MHz)				824.7	836.5	848.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20407	20525	20643		
1.4	QPSK	1	0	22.44	22.36	22.29	23.00	0
		1	2	22.59	22.34	22.34	23.00	0
		1	5	22.48	22.22	22.38	23.00	0
		3	0	22.27	22.11	21.98	23.00	0
		3	2	22.29	22.15	22.15	23.00	0
		3	3	22.22	22.15	22.10	23.00	0
		6	0	21.58	21.52	21.42	22.00	0-1
	16-QAM	1	0	21.92	21.89	21.92	22.00	0-1
		1	2	21.89	21.82	21.63	22.00	0-1
		1	5	21.52	21.49	21.47	22.00	0-1
		3	0	21.39	21.10	21.27	22.00	0-1
		3	2	21.44	21.24	21.30	22.00	0-1
		3	3	21.43	21.11	21.29	22.00	0-1
		6	0	20.77	20.51	20.53	21.00	0-2
	64-QAM	1	0	20.53	20.52	20.39	21.00	0-2
		1	2	20.57	20.39	20.53	21.00	0-2
		1	5	20.68	20.40	20.38	21.00	0-2
		3	0	20.60	20.55	20.35	21.00	0-2
		3	2	20.58	20.65	20.26	21.00	0-2
		3	3	20.61	20.66	20.60	21.00	0-2
		6	0	19.51	19.43	19.39	20.00	0-3

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LTE Band 7								
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	13.91	13.82	14.14	14.50	0
		1	50	14.09	14.03	13.85	14.50	0
		1	99	14.20	14.17	14.06	14.50	0
		50	0	13.00	13.07	12.99	13.50	0-1
		50	25	13.10	13.10	13.06	13.50	0-1
		50	50	13.17	13.17	13.01	13.50	0-1
		100	0	13.03	13.06	13.04	13.50	0-1
	16-QAM	1	0	13.45	13.47	13.10	13.50	0-1
		1	50	13.12	13.21	13.03	13.50	0-1
		1	99	13.30	13.44	13.42	13.50	0-1
		50	0	12.05	12.13	12.08	12.50	0-2
		50	25	12.10	12.23	12.09	12.50	0-2
		50	50	12.18	12.17	12.12	12.50	0-2
		100	0	12.03	12.04	12.01	12.50	0-2
	64-QAM	1	0	12.15	12.04	12.03	12.50	0-2
		1	50	12.19	12.13	12.15	12.50	0-2
		1	99	12.04	11.99	11.99	12.50	0-2
		50	0	11.04	11.00	10.94	11.50	0-3
		50	25	11.21	11.06	11.02	11.50	0-3
		50	50	11.06	10.88	10.94	11.50	0-3
		100	0	11.02	10.88	11.01	11.50	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	13.89	13.74	14.06	14.50	0
		1	36	13.97	13.89	13.75	14.50	0
		1	74	14.17	14.10	14.05	14.50	0
		36	0	12.93	12.99	12.98	13.50	0-1
		36	18	13.00	12.97	12.97	13.50	0-1
		36	37	13.13	13.13	12.88	13.50	0-1
		75	0	12.97	13.00	13.01	13.50	0-1
	16-QAM	1	0	13.30	13.36	13.06	13.50	0-1
		1	36	13.01	13.08	12.90	13.50	0-1
		1	74	13.16	13.43	13.33	13.50	0-1
		36	0	12.05	12.08	12.07	12.50	0-2
		36	18	11.95	12.21	11.99	12.50	0-2
		36	37	12.17	12.03	12.02	12.50	0-2
		75	0	11.91	11.98	11.97	12.50	0-2
	64-QAM	1	0	12.10	11.89	11.90	12.50	0-2
		1	36	12.10	12.05	12.14	12.50	0-2
		1	74	11.91	11.99	11.94	12.50	0-2
		36	0	10.96	10.89	10.83	11.50	0-3
		36	18	11.11	11.05	10.91	11.50	0-3
		36	37	11.05	10.83	10.87	11.50	0-3
		75	0	10.95	10.82	10.91	11.50	0-3

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LTE Band 7								
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	13.76	13.76	14.05	14.50	0
		1	25	13.90	13.94	13.75	14.50	0
		1	49	14.06	14.04	14.11	14.50	0
		25	0	12.89	13.07	12.99	13.50	0-1
		25	12	13.04	13.03	13.05	13.50	0-1
		25	25	13.04	13.06	12.89	13.50	0-1
		50	0	12.89	12.92	12.98	13.50	0-1
	16-QAM	1	0	13.38	13.36	13.07	13.50	0-1
		1	25	13.09	13.07	12.91	13.50	0-1
		1	49	13.25	13.38	13.41	13.50	0-1
		25	0	11.99	12.12	12.00	12.50	0-2
		25	12	11.97	12.21	12.00	12.50	0-2
		25	25	12.05	12.16	12.07	12.50	0-2
		50	0	11.98	12.03	12.00	12.50	0-2
	64-QAM	1	0	12.07	11.98	11.98	12.50	0-2
		1	25	12.10	12.11	12.09	12.50	0-2
		1	49	11.94	11.97	11.86	12.50	0-2
		25	0	11.00	10.91	10.81	11.50	0-3
		25	12	11.15	10.94	11.00	11.50	0-3
		25	25	10.99	10.83	10.86	11.50	0-3
		50	0	10.94	10.78	11.00	11.50	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	13.67	13.72	13.95	14.50	0
		1	12	13.90	13.85	13.70	14.50	0
		1	24	14.00	13.99	14.07	14.50	0
		12	0	12.82	13.02	12.97	13.50	0-1
		12	6	13.00	12.95	12.96	13.50	0-1
		12	13	12.98	13.02	12.87	13.50	0-1
		25	0	12.86	12.91	12.94	13.50	0-1
	16-QAM	1	0	13.31	13.28	13.05	13.50	0-1
		1	12	13.08	12.97	12.91	13.50	0-1
		1	24	13.18	13.35	13.36	13.50	0-1
		12	0	11.90	12.06	12.00	12.50	0-2
		12	6	11.87	12.19	11.95	12.50	0-2
		12	13	11.99	12.15	12.02	12.50	0-2
		25	0	11.95	12.00	11.97	12.50	0-2
	64-QAM	1	0	11.99	11.90	11.97	12.50	0-2
		1	12	12.01	12.05	12.06	12.50	0-2
		1	24	11.90	11.91	11.84	12.50	0-2
		12	0	10.97	10.86	10.74	11.50	0-3
		12	6	11.12	10.91	10.98	11.50	0-3
		12	13	10.93	10.74	10.81	11.50	0-3
		25	0	10.92	10.69	10.96	11.50	0-3

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LTE Band 12								
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	22.53	22.40	22.63	23.00	0
		1	25	22.39	22.60	22.79	23.00	0
		1	49	22.71	22.82	22.99	23.00	0
		25	0	21.62	21.73	21.65	22.00	0-1
		25	12	21.66	21.71	21.74	22.00	0-1
		25	25	21.84	21.69	21.89	22.00	0-1
		50	0	21.67	21.70	21.73	22.00	0-1
	16-QAM	1	0	21.92	21.74	21.77	22.00	0-1
		1	25	21.91	21.92	21.96	22.00	0-1
		1	49	21.88	21.93	21.94	22.00	0-1
		25	0	20.67	20.82	20.76	21.00	0-2
		25	12	20.82	20.93	20.99	21.00	0-2
		25	25	20.83	20.90	21.00	21.00	0-2
		50	0	20.78	20.73	20.84	21.00	0-2
	64-QAM	1	0	20.58	20.72	20.75	21.00	0-2
		1	25	20.74	20.77	20.87	21.00	0-2
		1	49	20.93	20.77	20.89	21.00	0-2
		25	0	19.53	19.62	19.61	20.00	0-3
		25	12	19.62	19.64	19.80	20.00	0-3
		25	25	19.75	19.70	19.78	20.00	0-3
		50	0	19.71	19.65	19.75	20.00	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	22.46	22.39	22.61	23.00	0
		1	12	22.37	22.61	22.77	23.00	0
		1	24	22.65	22.76	22.93	23.00	0
		12	0	21.55	21.67	21.55	22.00	0-1
		12	6	21.58	21.61	21.69	22.00	0-1
		12	13	21.77	21.62	21.81	22.00	0-1
		25	0	21.65	21.69	21.65	22.00	0-1
	16-QAM	1	0	21.86	21.71	21.74	22.00	0-1
		1	12	21.90	21.86	21.91	22.00	0-1
		1	24	21.81	21.86	21.94	22.00	0-1
		12	0	20.59	20.80	20.74	21.00	0-2
		12	6	20.80	20.92	20.89	21.00	0-2
		12	13	20.81	20.80	20.92	21.00	0-2
		25	0	20.78	20.68	20.82	21.00	0-2
	64-QAM	1	0	20.56	20.70	20.65	21.00	0-2
		1	12	20.74	20.71	20.80	21.00	0-2
		1	24	20.91	20.74	20.89	21.00	0-2
		12	0	19.49	19.55	19.54	20.00	0-3
		12	6	19.60	19.55	19.70	20.00	0-3
		12	13	19.71	19.66	19.73	20.00	0-3
		25	0	19.66	19.55	19.69	20.00	0-3

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LTE Band 12								
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	22.51	22.36	22.60	23.00	0
		1	7	22.32	22.53	22.72	23.00	0
		1	14	22.71	22.73	22.85	23.00	0
		8	0	21.60	21.69	21.63	22.00	0-1
		8	4	21.58	21.67	21.67	22.00	0-1
		8	7	21.84	21.63	21.86	22.00	0-1
		15	0	21.61	21.68	21.69	22.00	0-1
	16-QAM	1	0	21.86	21.74	21.69	22.00	0-1
		1	7	21.85	21.89	21.87	22.00	0-1
		1	14	21.87	21.91	21.92	22.00	0-1
		8	0	20.63	20.80	20.69	21.00	0-2
		8	4	20.76	20.86	20.90	21.00	0-2
		8	7	20.74	20.85	20.95	21.00	0-2
		15	0	20.76	20.73	20.77	21.00	0-2
	64-QAM	1	0	20.58	20.72	20.69	21.00	0-2
		1	7	20.73	20.71	20.79	21.00	0-2
		1	14	20.90	20.73	20.85	21.00	0-2
		8	0	19.51	19.62	19.54	20.00	0-3
		8	4	19.53	19.54	19.75	20.00	0-3
		8	7	19.67	19.69	19.70	20.00	0-3
		15	0	19.61	19.56	19.67	20.00	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	22.47	22.26	22.55	23.00	0
		1	2	22.26	22.47	22.68	23.00	0
		1	5	22.67	22.66	22.82	23.00	0
		3	0	22.65	22.67	22.68	23.00	0
		3	2	22.61	22.61	22.69	23.00	0
		3	3	22.75	22.65	22.74	23.00	0
		6	0	21.57	21.65	21.69	22.00	0-1
	16-QAM	1	0	21.80	21.72	21.64	22.00	0-1
		1	2	21.83	21.83	21.79	22.00	0-1
		1	5	21.81	21.86	21.90	22.00	0-1
		3	0	21.56	21.80	21.70	22.00	0-1
		3	2	21.79	21.81	21.83	22.00	0-1
		3	3	21.68	21.79	21.81	22.00	0-1
		6	0	20.68	20.69	20.70	21.00	0-2
	64-QAM	1	0	20.53	20.68	20.68	21.00	0-2
		1	2	20.67	20.67	20.72	21.00	0-2
		1	5	20.83	20.70	20.75	21.00	0-2
		3	0	20.51	20.66	20.51	21.00	0-2
		3	2	20.49	20.58	20.73	21.00	0-2
		3	3	20.63	20.70	20.73	21.00	0-2
		6	0	19.51	19.48	19.64	20.00	0-3

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LTE Band 13								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				782	782	782		
Channel				23230	23230	23230		
10	QPSK	1	0	22.70			23.00	0
		1	25	22.69			23.00	0
		1	49	22.39			23.00	0
		25	0	21.62			22.00	0-1
		25	12	21.61			22.00	0-1
		25	25	21.55			22.00	0-1
		50	0	21.59			22.00	0-1
	16-QAM	1	0	21.95			22.00	0-1
		1	25	21.56			22.00	0-1
		1	49	21.73			22.00	0-1
		25	0	20.65			21.00	0-2
		25	12	20.78			21.00	0-2
		25	25	20.60			21.00	0-2
		50	0	20.70			21.00	0-2
	64-QAM	1	0	20.53			21.00	0-2
		1	25	20.48			21.00	0-2
		1	49	20.53			21.00	0-2
		25	0	19.38			20.00	0-3
		25	12	19.29			20.00	0-3
		25	25	19.37			20.00	0-3
		50	0	19.21			20.00	0-3
Frequency (MHz)				779.5	782	784.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23205	23230	23255		
5	QPSK	1	0	22.62	22.58	22.51	23.00	0
		1	12	22.59	22.43	22.42	23.00	0
		1	24	22.44	22.46	22.46	23.00	0
		12	0	21.57	21.60	21.65	22.00	0-1
		12	6	21.57	21.62	21.52	22.00	0-1
		12	13	21.59	21.59	21.47	22.00	0-1
		25	0	21.57	21.64	21.53	22.00	0-1
	16-QAM	1	0	21.93	21.98	21.95	22.00	0-1
		1	12	21.55	21.77	21.71	22.00	0-1
		1	24	21.72	21.70	21.87	22.00	0-1
		12	0	20.72	20.63	20.70	21.00	0-2
		12	6	20.83	20.64	20.66	21.00	0-2
		12	13	20.56	20.52	20.61	21.00	0-2
		25	0	20.61	20.60	20.57	21.00	0-2
	64-QAM	1	0	20.47	20.40	20.54	21.00	0-2
		1	12	20.50	20.52	20.45	21.00	0-2
		1	24	20.31	20.56	20.35	21.00	0-2
		12	0	19.32	19.29	19.34	20.00	0-3
		12	6	19.45	19.50	19.31	20.00	0-3
		12	13	19.33	19.54	19.25	20.00	0-3
		25	0	19.35	19.39	19.26	20.00	0-3

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LTE Band 14								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				793	793	793		
Channel				23330	23330	23330		
10	QPSK	1	0	22.99			23.00	0
		1	25	22.91			23.00	0
		1	49	22.87			23.00	0
		25	0	21.97			22.00	0-1
		25	12	21.90			22.00	0-1
		25	25	21.99			22.00	0-1
		50	0	21.97			22.00	0-1
	16-QAM	1	0	21.95			22.00	0-1
		1	25	21.97			22.00	0-1
		1	49	21.95			22.00	0-1
		25	0	20.94			21.00	0-2
		25	12	20.90			21.00	0-2
		25	25	20.89			21.00	0-2
		50	0	20.92			21.00	0-2
	64-QAM	1	0	20.90			21.00	0-2
		1	25	20.78			21.00	0-2
		1	49	20.88			21.00	0-2
		25	0	19.82			20.00	0-3
		25	12	19.74			20.00	0-3
		25	25	19.77			20.00	0-3
		50	0	19.75			20.00	0-3
Frequency (MHz)				790.5	793	795.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23305	23330	23355		
5	QPSK	1	0	22.85	22.76	22.92	23.00	0
		1	12	22.77	22.91	22.77	23.00	0
		1	24	22.94	22.85	22.65	23.00	0
		12	0	21.95	21.98	21.93	22.00	0-1
		12	6	21.97	21.99	21.93	22.00	0-1
		12	13	21.99	22.00	21.91	22.00	0-1
		25	0	21.99	21.96	22.00	22.00	0-1
	16-QAM	1	0	21.94	21.82	21.88	22.00	0-1
		1	12	21.96	21.99	21.90	22.00	0-1
		1	24	21.96	21.89	21.94	22.00	0-1
		12	0	20.89	20.93	20.80	21.00	0-2
		12	6	20.86	20.85	20.96	21.00	0-2
		12	13	20.87	20.97	20.99	21.00	0-2
		25	0	20.87	20.76	20.81	21.00	0-2
	64-QAM	1	0	20.91	20.82	20.89	21.00	0-2
		1	12	20.97	20.95	20.77	21.00	0-2
		1	24	20.75	20.91	20.70	21.00	0-2
		12	0	19.71	19.76	19.82	20.00	0-3
		12	6	19.84	19.96	19.79	20.00	0-3
		12	13	19.74	19.90	19.59	20.00	0-3
		25	0	19.69	19.84	19.68	20.00	0-3

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LTE Band 17								
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	22.56	22.49	22.51	23.00	0
		1	25	22.70	22.55	22.61	23.00	0
		1	49	22.66	22.72	22.76	23.00	0
		25	0	21.51	21.70	21.64	22.00	0-1
		25	12	21.67	21.71	21.65	22.00	0-1
		25	25	21.73	21.70	21.79	22.00	0-1
		50	0	21.67	21.69	21.63	22.00	0-1
	16-QAM	1	0	21.58	21.74	21.66	22.00	0-1
		1	25	21.94	21.99	21.97	22.00	0-1
		1	49	21.90	21.96	21.93	22.00	0-1
		25	0	20.66	20.70	20.83	21.00	0-2
		25	12	20.81	20.87	20.81	21.00	0-2
		25	25	20.75	20.84	20.82	21.00	0-2
		50	0	20.77	20.77	20.90	21.00	0-2
	64-QAM	1	0	20.59	20.53	20.56	21.00	0-2
		1	25	20.60	20.55	20.58	21.00	0-2
		1	49	20.53	20.55	20.51	21.00	0-2
		25	0	19.59	19.63	19.56	20.00	0-3
		25	12	19.54	19.49	19.51	20.00	0-3
		25	25	19.54	19.59	19.54	20.00	0-3
		50	0	19.59	19.57	19.61	20.00	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	22.52	22.43	22.45	23.00	0
		1	12	22.60	22.49	22.52	23.00	0
		1	24	22.62	22.65	22.68	23.00	0
		12	0	21.46	21.65	21.62	22.00	0-1
		12	6	21.59	21.63	21.56	22.00	0-1
		12	13	21.66	21.62	21.77	22.00	0-1
		25	0	21.58	21.66	21.57	22.00	0-1
	16-QAM	1	0	21.51	21.65	21.58	22.00	0-1
		1	12	21.90	21.90	21.90	22.00	0-1
		1	24	21.85	21.87	21.86	22.00	0-1
		12	0	20.63	20.66	20.82	21.00	0-2
		12	6	20.78	20.80	20.78	21.00	0-2
		12	13	20.67	20.82	20.73	21.00	0-2
		25	0	20.73	20.77	20.82	21.00	0-2
	64-QAM	1	0	20.57	20.44	20.49	21.00	0-2
		1	12	20.53	20.52	20.55	21.00	0-2
		1	24	20.47	20.51	20.43	21.00	0-2
		12	0	19.49	19.60	19.53	20.00	0-3
		12	6	19.50	19.49	19.42	20.00	0-3
		12	13	19.47	19.57	19.46	20.00	0-3
		25	0	19.56	19.49	19.61	20.00	0-3

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LTE Band 25								
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	14.22	13.84	13.87	14.50	0
		1	50	14.26	13.94	14.34	14.50	0
		1	99	13.88	14.08	14.49	14.50	0
		50	0	13.10	12.83	13.35	13.50	0-1
		50	25	13.04	12.93	13.45	13.50	0-1
		50	50	13.01	13.00	13.39	13.50	0-1
		100	0	13.14	13.29	13.43	13.50	0-1
	16-QAM	1	0	13.40	13.48	13.47	13.50	0-1
		1	50	13.46	13.47	13.49	13.50	0-1
		1	99	13.20	13.47	13.45	13.50	0-1
		50	0	12.19	11.89	12.31	12.50	0-2
		50	25	12.12	11.99	12.42	12.50	0-2
		50	50	12.16	12.07	12.41	12.50	0-2
		100	0	12.01	11.96	12.43	12.50	0-2
	64-QAM	1	0	12.22	12.19	12.34	12.50	0-2
		1	50	12.15	12.17	12.39	12.50	0-2
		1	99	12.17	12.16	12.17	12.50	0-2
		50	0	11.25	11.11	11.16	11.50	0-3
		50	25	11.23	11.19	11.19	11.50	0-3
		50	50	11.22	11.13	11.20	11.50	0-3
		100	0	11.24	11.10	11.17	11.50	0-3
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				26115	26365	26615		
15	QPSK	1	0	14.18	13.83	13.83	14.50	0
		1	36	14.21	13.85	14.32	14.50	0
		1	74	13.82	14.01	14.39	14.50	0
		36	0	13.01	12.73	13.25	13.50	0-1
		36	18	13.01	12.91	13.44	13.50	0-1
		36	37	12.98	12.91	13.30	13.50	0-1
		75	0	13.07	13.28	13.35	13.50	0-1
	16-QAM	1	0	13.37	13.40	13.38	13.50	0-1
		1	36	13.39	13.39	13.44	13.50	0-1
		1	74	13.17	13.41	13.41	13.50	0-1
		36	0	12.10	11.88	12.27	12.50	0-2
		36	18	12.05	11.96	12.35	12.50	0-2
		36	37	12.06	11.97	12.36	12.50	0-2
		75	0	11.91	11.94	12.42	12.50	0-2
	64-QAM	1	0	12.15	12.12	12.25	12.50	0-2
		1	36	12.12	12.12	12.36	12.50	0-2
		1	74	12.13	12.10	12.15	12.50	0-2
		36	0	11.21	11.04	11.14	11.50	0-3
		36	18	11.14	11.18	11.17	11.50	0-3
		36	37	11.15	11.08	11.17	11.50	0-3
		75	0	11.19	11.07	11.11	11.50	0-3

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LTE Band 25								
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	14.16	13.83	13.81	14.50	0
		1	25	14.21	13.88	14.24	14.50	0
		1	49	13.79	14.00	14.35	14.50	0
		25	0	13.05	12.79	13.25	13.50	0-1
		25	12	12.95	12.88	13.40	13.50	0-1
		25	25	12.93	12.98	13.34	13.50	0-1
		50	0	13.05	13.22	13.38	13.50	0-1
	16-QAM	1	0	13.35	13.38	13.38	13.50	0-1
		1	25	13.46	13.41	13.45	13.50	0-1
		1	49	13.10	13.45	13.36	13.50	0-1
		25	0	12.17	11.79	12.25	12.50	0-2
		25	12	12.08	11.96	12.38	12.50	0-2
		25	25	12.13	12.00	12.33	12.50	0-2
		50	0	11.99	11.90	12.38	12.50	0-2
	64-QAM	1	0	12.17	12.15	12.29	12.50	0-2
		1	25	12.11	12.13	12.31	12.50	0-2
		1	49	12.08	12.11	12.08	12.50	0-2
		25	0	11.23	11.10	11.06	11.50	0-3
		25	12	11.21	11.17	11.12	11.50	0-3
		25	25	11.20	11.08	11.14	11.50	0-3
		50	0	11.21	11.01	11.16	11.50	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	14.09	13.75	13.76	14.50	0
		1	12	14.19	13.82	14.22	14.50	0
		1	24	13.72	13.91	14.27	14.50	0
		12	0	13.01	12.79	13.18	13.50	0-1
		12	6	12.87	12.81	13.36	13.50	0-1
		12	13	12.85	12.90	13.26	13.50	0-1
		25	0	12.97	13.16	13.36	13.50	0-1
	16-QAM	1	0	13.27	13.37	13.29	13.50	0-1
		1	12	13.41	13.36	13.38	13.50	0-1
		1	24	13.05	13.41	13.30	13.50	0-1
		12	0	12.08	11.74	12.18	12.50	0-2
		12	6	11.99	11.87	12.38	12.50	0-2
		12	13	12.08	11.99	12.24	12.50	0-2
		25	0	11.93	11.86	12.28	12.50	0-2
	64-QAM	1	0	12.13	12.07	12.23	12.50	0-2
		1	12	12.09	12.06	12.29	12.50	0-2
		1	24	12.03	12.05	12.06	12.50	0-2
		12	0	11.20	11.06	11.03	11.50	0-3
		12	6	11.18	11.08	11.04	11.50	0-3
		12	13	11.14	11.06	11.09	11.50	0-3
		25	0	11.17	10.98	11.10	11.50	0-3

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LTE Band 25								
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	14.12	13.80	13.78	14.50	0
		1	7	14.21	13.87	14.19	14.50	0
		1	14	13.78	13.99	14.26	14.50	0
		8	0	12.96	12.78	13.22	13.50	0-1
		8	4	12.95	12.82	13.35	13.50	0-1
		8	7	12.84	12.95	13.34	13.50	0-1
		15	0	13.00	13.19	13.34	13.50	0-1
	16-QAM	1	0	13.31	13.30	13.32	13.50	0-1
		1	7	13.37	13.41	13.40	13.50	0-1
		1	14	13.08	13.43	13.28	13.50	0-1
		8	0	12.12	11.73	12.22	12.50	0-2
		8	4	12.07	11.91	12.37	12.50	0-2
		8	7	12.04	11.93	12.26	12.50	0-2
		15	0	11.92	11.87	12.31	12.50	0-2
	64-QAM	1	0	12.14	12.07	12.21	12.50	0-2
		1	7	12.03	12.04	12.26	12.50	0-2
		1	14	12.00	12.10	12.06	12.50	0-2
		8	0	11.14	11.10	11.05	11.50	0-3
		8	4	11.20	11.16	11.02	11.50	0-3
		8	7	11.15	11.08	11.14	11.50	0-3
		15	0	11.19	10.97	11.13	11.50	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	14.09	13.76	13.80	14.50	0
		1	2	14.14	13.84	14.21	14.50	0
		1	5	13.78	13.94	14.20	14.50	0
		3	0	14.14	13.75	14.17	14.50	0
		3	2	13.92	13.90	14.11	14.50	0
		3	3	13.91	13.96	14.20	14.50	0
		6	0	12.95	13.15	13.31	13.50	0-1
	16-QAM	1	0	13.30	13.35	13.37	13.50	0-1
		1	2	13.45	13.38	13.42	13.50	0-1
		1	5	13.06	13.41	13.28	13.50	0-1
		3	0	13.18	12.79	13.17	13.50	0-1
		3	2	13.04	12.93	13.47	13.50	0-1
		3	3	13.08	12.95	13.31	13.50	0-1
		6	0	11.98	11.85	12.38	12.50	0-2
	64-QAM	1	0	12.11	12.08	12.28	12.50	0-2
		1	2	12.06	12.07	12.29	12.50	0-2
		1	5	12.02	12.09	12.01	12.50	0-2
		3	0	12.25	12.10	12.13	12.50	0-2
		3	2	12.22	12.12	12.08	12.50	0-2
		3	3	12.16	12.09	12.12	12.50	0-2
		6	0	11.20	10.97	11.15	11.50	0-3

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LTE Band 26								
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	22.63	22.65	22.45	23.00	0
		1	36	22.66	22.70	22.55	23.00	0
		1	74	22.59	22.55	22.56	23.00	0
		36	0	21.69	21.60	21.49	22.00	0-1
		36	18	21.76	21.56	21.48	22.00	0-1
		36	37	21.68	21.51	21.57	22.00	0-1
		75	0	21.83	21.53	21.58	22.00	0-1
	16-QAM	1	0	21.98	21.95	21.77	22.00	0-1
		1	36	21.94	21.91	21.68	22.00	0-1
		1	74	21.90	21.56	21.89	22.00	0-1
		36	0	20.78	20.68	20.58	21.00	0-2
		36	18	20.81	20.69	20.63	21.00	0-2
		36	37	20.81	20.74	20.64	21.00	0-2
		75	0	20.77	20.74	20.55	21.00	0-2
	64-QAM	1	0	20.70	20.69	20.49	21.00	0-2
		1	36	20.77	20.68	20.49	21.00	0-2
		1	74	20.81	20.68	20.69	21.00	0-2
		36	0	19.66	19.67	19.30	20.00	0-3
		36	18	19.62	19.61	19.39	20.00	0-3
		36	37	19.74	19.57	19.68	20.00	0-3
		75	0	19.68	19.53	19.60	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	22.53	22.64	22.40	23.00	0
		1	25	22.56	22.62	22.55	23.00	0
		1	49	22.54	22.45	22.55	23.00	0
		25	0	21.62	21.59	21.47	22.00	0-1
		25	12	21.70	21.50	21.47	22.00	0-1
		25	25	21.66	21.45	21.48	22.00	0-1
		50	0	21.76	21.49	21.49	22.00	0-1
	16-QAM	1	0	21.93	21.86	21.68	22.00	0-1
		1	25	21.89	21.83	21.63	22.00	0-1
		1	49	21.86	21.54	21.87	22.00	0-1
		25	0	20.68	20.63	20.51	21.00	0-2
		25	12	20.75	20.69	20.55	21.00	0-2
		25	25	20.73	20.65	20.61	21.00	0-2
		50	0	20.70	20.65	20.55	21.00	0-2
	64-QAM	1	0	20.68	20.61	20.46	21.00	0-2
		1	25	20.69	20.58	20.45	21.00	0-2
		1	49	20.79	20.65	20.64	21.00	0-2
		25	0	19.58	19.57	19.25	20.00	0-3
		25	12	19.59	19.61	19.38	20.00	0-3
		25	25	19.64	19.51	19.63	20.00	0-3
		50	0	19.63	19.49	19.52	20.00	0-3

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LTE Band 26								
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	22.54	22.59	22.40	23.00	0
		1	12	22.65	22.61	22.47	23.00	0
		1	24	22.53	22.49	22.46	23.00	0
		12	0	21.68	21.53	21.47	22.00	0-1
		12	6	21.73	21.46	21.47	22.00	0-1
		12	13	21.61	21.43	21.48	22.00	0-1
		25	0	21.82	21.53	21.48	22.00	0-1
	16-QAM	1	0	21.97	21.92	21.72	22.00	0-1
		1	12	21.86	21.84	21.62	22.00	0-1
		1	24	21.88	21.51	21.88	22.00	0-1
		12	0	20.71	20.59	20.52	21.00	0-2
		12	6	20.78	20.62	20.61	21.00	0-2
		12	13	20.80	20.68	20.57	21.00	0-2
		25	0	20.69	20.72	20.45	21.00	0-2
	64-QAM	1	0	20.66	20.62	20.43	21.00	0-2
		1	12	20.67	20.60	20.42	21.00	0-2
		1	24	20.75	20.68	20.61	21.00	0-2
		12	0	19.66	19.64	19.26	20.00	0-3
		12	6	19.60	19.60	19.38	20.00	0-3
		12	13	19.67	19.53	19.60	20.00	0-3
		25	0	19.67	19.44	19.53	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	22.57	22.61	22.38	23.00	0
		1	7	22.59	22.62	22.50	23.00	0
		1	14	22.55	22.46	22.46	23.00	0
		8	0	21.68	21.56	21.40	22.00	0-1
		8	4	21.70	21.46	21.39	22.00	0-1
		8	7	21.61	21.42	21.49	22.00	0-1
		15	0	21.74	21.47	21.50	22.00	0-1
	16-QAM	1	0	21.95	21.93	21.71	22.00	0-1
		1	7	21.89	21.89	21.61	22.00	0-1
		1	14	21.88	21.53	21.85	22.00	0-1
		8	0	20.74	20.60	20.53	21.00	0-2
		8	4	20.71	20.67	20.59	21.00	0-2
		8	7	20.75	20.69	20.61	21.00	0-2
		15	0	20.68	20.65	20.47	21.00	0-2
	64-QAM	1	0	20.66	20.64	20.39	21.00	0-2
		1	7	20.74	20.58	20.42	21.00	0-2
		1	14	20.79	20.62	20.64	21.00	0-2
		8	0	19.60	19.57	19.29	20.00	0-3
		8	4	19.54	19.59	19.32	20.00	0-3
		8	7	19.73	19.56	19.62	20.00	0-3
		15	0	19.59	19.51	19.59	20.00	0-3

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LTE Band 26								
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	22.48	22.50	22.32	23.00	0
		1	2	22.51	22.57	22.48	23.00	0
		1	5	22.46	22.42	22.40	23.00	0
		3	0	22.41	22.21	22.28	23.00	0
		3	2	22.43	22.32	22.27	23.00	0
		3	3	22.27	22.33	22.20	23.00	0
		6	0	21.67	21.41	21.43	22.00	0-1
	16-QAM	1	0	21.95	21.88	21.66	22.00	0-1
		1	2	21.82	21.84	21.53	22.00	0-1
		1	5	21.80	21.46	21.81	22.00	0-1
		3	0	21.78	21.63	21.54	22.00	0-1
		3	2	21.66	21.71	21.58	22.00	0-1
		3	3	21.74	21.69	21.65	22.00	0-1
		6	0	20.59	20.55	20.39	21.00	0-2
	64-QAM	1	0	20.58	20.55	20.36	21.00	0-2
		1	2	20.70	20.53	20.34	21.00	0-2
		1	5	20.70	20.60	20.62	21.00	0-2
		3	0	20.59	20.53	20.36	21.00	0-2
		3	2	20.60	20.55	20.24	21.00	0-2
		3	3	20.61	20.54	20.62	21.00	0-2
		6	0	19.55	19.48	19.54	20.00	0-3

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LTE Band 30								
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	14.30			14.50	0
		1	25	14.22			14.50	0
		1	49	14.20			14.50	0
		25	0	13.19			13.50	0-1
		25	12	13.27			13.50	0-1
		25	25	13.33			13.50	0-1
		50	0	13.29			13.50	0-1
	16-QAM	1	0	13.24			13.50	0-1
		1	25	13.48			13.50	0-1
		1	49	13.46			13.50	0-1
		25	0	12.37			12.50	0-2
		25	12	12.44			12.50	0-2
		25	25	12.39			12.50	0-2
		50	0	12.37			12.50	0-2
	64-QAM	1	0	12.29			12.50	0-2
		1	25	12.26			12.50	0-2
		1	49	12.33			12.50	0-2
		25	0	11.12			11.50	0-3
		25	12	11.24			11.50	0-3
		25	25	11.10			11.50	0-3
		50	0	11.16			11.50	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	14.17	14.25	14.22	14.50	0
		1	12	14.18	14.19	14.15	14.50	0
		1	24	14.21	14.12	14.20	14.50	0
		12	0	13.22	13.13	13.17	13.50	0-1
		12	6	13.19	13.19	13.28	13.50	0-1
		12	13	13.19	13.20	13.19	13.50	0-1
		25	0	13.17	13.17	13.17	13.50	0-1
	16-QAM	1	0	13.47	13.45	13.35	13.50	0-1
		1	12	13.49	13.36	13.05	13.50	0-1
		1	24	13.21	13.44	13.46	13.50	0-1
		12	0	12.27	12.23	12.27	12.50	0-2
		12	6	12.38	12.28	12.37	12.50	0-2
		12	13	12.25	12.23	12.34	12.50	0-2
		25	0	12.25	12.25	12.23	12.50	0-2
	64-QAM	1	0	12.19	12.46	12.11	12.50	0-2
		1	12	12.27	12.26	12.21	12.50	0-2
		1	24	12.21	12.13	12.20	12.50	0-2
		12	0	11.17	11.38	11.04	11.50	0-3
		12	6	11.26	11.15	11.09	11.50	0-3
		12	13	11.15	11.11	11.09	11.50	0-3
		25	0	11.20	11.09	11.06	11.50	0-3

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LTE Band 66								
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	14.10	14.12	14.24	14.50	0
		1	50	14.14	14.22	14.09	14.50	0
		1	99	14.12	14.11	14.14	14.50	0
		50	0	13.17	13.24	13.19	13.50	0-1
		50	25	13.25	13.24	13.16	13.50	0-1
		50	50	13.24	13.25	13.19	13.50	0-1
		100	0	13.19	13.22	13.15	13.50	0-1
	16-QAM	1	0	13.41	13.45	13.49	13.50	0-1
		1	50	13.23	13.34	13.30	13.50	0-1
		1	99	13.48	13.35	13.30	13.50	0-1
		50	0	12.26	12.35	12.31	12.50	0-2
		50	25	12.29	12.33	12.21	12.50	0-2
		50	50	12.29	12.19	12.15	12.50	0-2
		100	0	12.24	12.17	12.23	12.50	0-2
	64-QAM	1	0	12.18	12.15	12.11	12.50	0-2
		1	50	12.15	12.22	12.24	12.50	0-2
		1	99	12.07	12.23	12.18	12.50	0-2
		50	0	11.15	11.04	11.08	11.50	0-3
		50	25	11.08	11.09	11.23	11.50	0-3
		50	50	10.94	11.11	11.06	11.50	0-3
		100	0	11.02	11.06	11.14	11.50	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	14.10	14.03	14.18	14.50	0
		1	36	14.12	14.19	14.06	14.50	0
		1	74	14.08	14.09	14.12	14.50	0
		36	0	13.11	13.21	13.14	13.50	0-1
		36	18	13.15	13.17	13.15	13.50	0-1
		36	37	13.21	13.16	13.19	13.50	0-1
		75	0	13.17	13.15	13.06	13.50	0-1
	16-QAM	1	0	13.32	13.37	13.45	13.50	0-1
		1	36	13.16	13.29	13.29	13.50	0-1
		1	74	13.41	13.28	13.23	13.50	0-1
		36	0	12.25	12.27	12.24	12.50	0-2
		36	18	12.20	12.26	12.13	12.50	0-2
		36	37	12.24	12.17	12.08	12.50	0-2
		75	0	12.19	12.14	12.22	12.50	0-2
	64-QAM	1	0	12.13	12.14	12.06	12.50	0-2
		1	36	12.07	12.20	12.21	12.50	0-2
		1	74	12.04	12.23	12.10	12.50	0-2
		36	0	11.07	10.95	11.05	11.50	0-3
		36	18	10.99	11.02	11.22	11.50	0-3
		36	37	10.91	11.10	10.98	11.50	0-3
		75	0	10.98	11.02	11.04	11.50	0-3

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LTE Band 66								
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	14.04	14.02	14.10	14.50	0
		1	25	14.13	14.12	14.00	14.50	0
		1	49	14.12	14.10	14.08	14.50	0
		25	0	13.11	13.22	13.18	13.50	0-1
		25	12	13.19	13.19	13.06	13.50	0-1
		25	25	13.18	13.22	13.11	13.50	0-1
		50	0	13.11	13.19	13.14	13.50	0-1
	16-QAM	1	0	13.31	13.36	13.40	13.50	0-1
		1	25	13.15	13.26	13.26	13.50	0-1
		1	49	13.46	13.33	13.28	13.50	0-1
		25	0	12.16	12.35	12.22	12.50	0-2
		25	12	12.20	12.29	12.17	12.50	0-2
		25	25	12.28	12.17	12.07	12.50	0-2
		50	0	12.17	12.13	12.21	12.50	0-2
	64-QAM	1	0	12.16	12.05	12.10	12.50	0-2
		1	25	12.13	12.20	12.22	12.50	0-2
		1	49	11.98	12.17	12.15	12.50	0-2
		25	0	11.08	11.01	11.08	11.50	0-3
		25	12	11.06	11.04	11.20	11.50	0-3
		25	25	10.84	11.10	11.01	11.50	0-3
		50	0	10.98	11.02	11.11	11.50	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	14.02	13.95	14.05	14.50	0
		1	12	14.04	14.09	14.00	14.50	0
		1	24	14.05	14.10	14.02	14.50	0
		12	0	13.10	13.17	13.18	13.50	0-1
		12	6	13.10	13.16	13.06	13.50	0-1
		12	13	13.17	13.19	13.07	13.50	0-1
		25	0	13.08	13.14	13.06	13.50	0-1
	16-QAM	1	0	13.22	13.33	13.36	13.50	0-1
		1	12	13.15	13.18	13.21	13.50	0-1
		1	24	13.39	13.23	13.21	13.50	0-1
		12	0	12.14	12.30	12.13	12.50	0-2
		12	6	12.14	12.22	12.07	12.50	0-2
		12	13	12.24	12.14	12.01	12.50	0-2
		25	0	12.07	12.07	12.21	12.50	0-2
	64-QAM	1	0	12.08	11.97	12.08	12.50	0-2
		1	12	12.12	12.18	12.20	12.50	0-2
		1	24	11.92	12.13	12.07	12.50	0-2
		12	0	11.04	10.98	11.04	11.50	0-3
		12	6	11.01	11.03	11.12	11.50	0-3
		12	13	10.81	11.07	10.95	11.50	0-3
		25	0	10.91	11.00	11.09	11.50	0-3

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LTE Band 66								
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	14.01	13.96	14.06	14.50	0
		1	7	14.06	14.03	13.99	14.50	0
		1	14	14.03	14.00	14.07	14.50	0
		8	0	13.07	13.18	13.16	13.50	0-1
		8	4	13.14	13.14	13.06	13.50	0-1
		8	7	13.13	13.19	13.04	13.50	0-1
		15	0	13.07	13.14	13.06	13.50	0-1
	16-QAM	1	0	13.25	13.28	13.31	13.50	0-1
		1	7	13.07	13.18	13.17	13.50	0-1
		1	14	13.41	13.32	13.22	13.50	0-1
		8	0	12.10	12.29	12.18	12.50	0-2
		8	4	12.19	12.20	12.08	12.50	0-2
		8	7	12.22	12.14	12.03	12.50	0-2
		15	0	12.11	12.08	12.14	12.50	0-2
	64-QAM	1	0	12.07	11.99	12.04	12.50	0-2
		1	7	12.05	12.12	12.20	12.50	0-2
		1	14	11.97	12.17	12.06	12.50	0-2
		8	0	11.02	10.95	11.01	11.50	0-3
		8	4	11.03	10.95	11.16	11.50	0-3
		8	7	10.75	11.02	10.93	11.50	0-3
		15	0	10.92	10.93	11.03	11.50	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	14.01	13.96	14.00	14.50	0
		1	2	13.99	14.02	13.98	14.50	0
		1	5	13.91	13.95	14.03	14.50	0
		3	0	13.97	14.02	14.01	14.50	0
		3	2	14.01	13.98	13.91	14.50	0
		3	3	13.90	13.96	13.99	14.50	0
		6	0	13.05	13.14	13.11	13.50	0-1
	16-QAM	1	0	13.21	13.27	13.34	13.50	0-1
		1	2	13.12	13.21	13.16	13.50	0-1
		1	5	13.42	13.29	13.21	13.50	0-1
		3	0	13.12	13.37	13.24	13.50	0-1
		3	2	13.21	13.21	13.12	13.50	0-1
		3	3	13.33	13.16	13.08	13.50	0-1
		6	0	12.09	12.10	12.16	12.50	0-2
	64-QAM	1	0	12.07	12.02	12.04	12.50	0-2
		1	2	12.09	12.18	12.20	12.50	0-2
		1	5	11.98	12.12	12.15	12.50	0-2
		3	0	12.09	11.94	12.15	12.50	0-2
		3	2	12.07	11.97	12.23	12.50	0-2
		3	3	11.78	12.02	12.03	12.50	0-2
		6	0	10.97	10.94	11.10	11.50	0-3

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LTE Band 71								
BW(Mhz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	683	688		
Channel				133222	133322	133372		
20	QPSK	1	0	22.91	22.97	22.98	23.00	0
		1	50	22.93	22.90	22.92	23.00	0
		1	99	22.84	22.82	22.81	23.00	0
		50	0	21.96	21.91	21.87	22.00	0-1
		50	25	21.90	21.83	21.79	22.00	0-1
		50	50	21.89	21.86	21.85	22.00	0-1
		100	0	21.93	21.87	21.82	22.00	0-1
	16-QAM	1	0	21.86	21.87	21.84	22.00	0-1
		1	50	21.85	21.88	21.85	22.00	0-1
		1	99	21.80	21.86	21.80	22.00	0-1
		50	0	20.83	20.80	20.83	21.00	0-2
		50	25	20.82	20.81	20.88	21.00	0-2
		50	50	20.86	20.86	20.86	21.00	0-2
		100	0	20.87	20.81	20.86	21.00	0-2
	64-QAM	1	0	20.83	20.80	20.85	21.00	0-2
		1	50	20.85	20.84	20.80	21.00	0-2
		1	99	20.85	20.83	20.80	21.00	0-2
		50	0	19.81	19.86	19.83	20.00	0-3
		50	25	19.88	19.82	19.88	20.00	0-3
		50	50	19.86	19.85	19.81	20.00	0-3
		100	0	19.88	19.84	19.85	20.00	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	22.84	22.95	22.93	23.00	0
		1	36	22.86	22.84	22.88	23.00	0
		1	74	22.78	22.76	22.71	23.00	0
		36	0	21.91	21.90	21.83	22.00	0-1
		36	18	21.86	21.78	21.78	22.00	0-1
		36	37	21.83	21.81	21.81	22.00	0-1
		75	0	21.87	21.83	21.80	22.00	0-1
	16-QAM	1	0	21.86	21.80	21.77	22.00	0-1
		1	36	21.80	21.83	21.77	22.00	0-1
		1	74	21.77	21.80	21.77	22.00	0-1
		36	0	20.81	20.79	20.81	21.00	0-2
		36	18	20.79	20.78	20.87	21.00	0-2
		36	37	20.83	20.85	20.85	21.00	0-2
		75	0	20.84	20.76	20.84	21.00	0-2
	64-QAM	1	0	20.81	20.79	20.75	21.00	0-2
		1	36	20.79	20.82	20.78	21.00	0-2
		1	74	20.84	20.76	20.75	21.00	0-2
		36	0	19.74	19.86	19.77	20.00	0-3
		36	18	19.86	19.75	19.87	20.00	0-3
		36	37	19.77	19.80	19.74	20.00	0-3
		75	0	19.83	19.75	19.77	20.00	0-3

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LTE Band 71								
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	22.82	22.89	22.90	23.00	0
		1	25	22.88	22.83	22.91	23.00	0
		1	49	22.80	22.76	22.74	23.00	0
		25	0	21.87	21.89	21.86	22.00	0-1
		25	12	21.81	21.75	21.72	22.00	0-1
		25	25	21.89	21.84	21.84	22.00	0-1
		50	0	21.86	21.86	21.82	22.00	0-1
	16-QAM	1	0	21.84	21.81	21.83	22.00	0-1
		1	25	21.83	21.85	21.85	22.00	0-1
		1	49	21.78	21.83	21.74	22.00	0-1
		25	0	20.77	20.74	20.77	21.00	0-2
		25	12	20.75	20.72	20.84	21.00	0-2
		25	25	20.85	20.84	20.78	21.00	0-2
		50	0	20.85	20.73	20.78	21.00	0-2
	64-QAM	1	0	20.77	20.72	20.85	21.00	0-2
		1	25	20.80	20.83	20.71	21.00	0-2
		1	49	20.84	20.82	20.73	21.00	0-2
		25	0	19.73	19.80	19.77	20.00	0-3
		25	12	19.85	19.81	19.85	20.00	0-3
		25	25	19.78	19.82	19.72	20.00	0-3
		50	0	19.84	19.82	19.77	20.00	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	22.79	22.80	22.85	23.00	0
		1	12	22.86	22.78	22.84	23.00	0
		1	24	22.74	22.75	22.65	23.00	0
		12	0	21.85	21.85	21.85	22.00	0-1
		12	6	21.79	21.67	21.72	22.00	0-1
		12	13	21.80	21.83	21.84	22.00	0-1
		25	0	21.76	21.86	21.79	22.00	0-1
	16-QAM	1	0	21.75	21.77	21.81	22.00	0-1
		1	12	21.80	21.84	21.78	22.00	0-1
		1	24	21.75	21.78	21.73	22.00	0-1
		12	0	20.67	20.67	20.72	21.00	0-2
		12	6	20.71	20.71	20.82	21.00	0-2
		12	13	20.78	20.83	20.72	21.00	0-2
		25	0	20.79	20.66	20.77	21.00	0-2
	64-QAM	1	0	20.75	20.64	20.83	21.00	0-2
		1	12	20.75	20.79	20.71	21.00	0-2
		1	24	20.78	20.79	20.63	21.00	0-2
		12	0	19.72	19.73	19.75	20.00	0-3
		12	6	19.85	19.77	19.77	20.00	0-3
		12	13	19.77	19.74	19.71	20.00	0-3
		25	0	19.78	19.76	19.73	20.00	0-3

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1.3.9 Reduced power-Tablet mode-LTE TDD

LTE TDD Band 38 / Band 41 power table:

LTE Band 38								
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	14.48	14.47	14.41	14.50	0
		1	50	14.36	14.43	14.44	14.50	0
		1	99	14.42	14.32	14.45	14.50	0
		50	0	13.47	13.44	13.44	13.50	0-1
		50	25	13.48	13.47	13.44	13.50	0-1
		50	50	13.45	13.43	13.48	13.50	0-1
		100	0	13.40	13.49	13.44	13.50	0-1
	16-QAM	1	0	13.47	13.49	13.46	13.50	0-1
		1	50	13.39	13.32	13.46	13.50	0-1
		1	99	13.37	13.18	13.33	13.50	0-1
		50	0	12.25	12.30	12.27	12.50	0-2
		50	25	12.46	12.40	12.26	12.50	0-2
		50	50	12.42	12.36	12.39	12.50	0-2
		100	0	12.47	12.41	12.36	12.50	0-2
	64-QAM	1	0	12.43	12.20	12.19	12.50	0-2
		1	50	12.40	12.19	12.42	12.50	0-2
		1	99	12.36	12.30	12.15	12.50	0-2
		50	0	11.41	11.13	11.08	11.50	0-3
		50	25	11.39	11.07	11.35	11.50	0-3
		50	50	11.34	11.28	11.12	11.50	0-3
		100	0	11.32	11.24	11.15	11.50	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	14.39	14.42	14.37	14.50	0
		1	36	14.36	14.40	14.36	14.50	0
		1	74	14.34	14.28	14.41	14.50	0
		36	0	13.44	13.41	13.40	13.50	0-1
		36	18	13.45	13.38	13.39	13.50	0-1
		36	37	13.37	13.41	13.46	13.50	0-1
		75	0	13.36	13.47	13.37	13.50	0-1
	16-QAM	1	0	13.42	13.41	13.45	13.50	0-1
		1	36	13.33	13.27	13.43	13.50	0-1
		1	74	13.29	13.10	13.31	13.50	0-1
		36	0	12.21	12.20	12.19	12.50	0-2
		36	18	12.42	12.36	12.22	12.50	0-2
		36	37	12.36	12.35	12.34	12.50	0-2
		75	0	12.45	12.38	12.26	12.50	0-2
	64-QAM	1	0	12.40	12.15	12.10	12.50	0-2
		1	36	12.37	12.15	12.36	12.50	0-2
		1	74	12.35	12.26	12.06	12.50	0-2
		36	0	11.37	11.04	11.02	11.50	0-3
		36	18	11.30	11.04	11.29	11.50	0-3
		36	37	11.24	11.27	11.11	11.50	0-3
		75	0	11.24	11.23	11.14	11.50	0-3

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LTE Band 38								
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	14.38	14.35	14.37	14.50	0
		1	25	14.38	14.37	14.34	14.50	0
		1	49	14.38	14.27	14.39	14.50	0
		25	0	13.46	13.44	13.35	13.50	0-1
		25	12	13.39	13.44	13.42	13.50	0-1
		25	25	13.44	13.41	13.43	13.50	0-1
		50	0	13.33	13.45	13.43	13.50	0-1
	16-QAM	1	0	13.42	13.45	13.40	13.50	0-1
		1	25	13.35	13.26	13.38	13.50	0-1
		1	49	13.30	13.11	13.32	13.50	0-1
		25	0	12.21	12.29	12.23	12.50	0-2
		25	12	12.38	12.35	12.26	12.50	0-2
		25	25	12.40	12.30	12.38	12.50	0-2
		50	0	12.41	12.37	12.36	12.50	0-2
	64-QAM	1	0	12.36	12.12	12.11	12.50	0-2
		1	25	12.30	12.19	12.34	12.50	0-2
		1	49	12.29	12.29	12.12	12.50	0-2
		25	0	11.31	11.04	11.07	11.50	0-3
		25	12	11.31	10.98	11.30	11.50	0-3
		25	25	11.25	11.22	11.06	11.50	0-3
		50	0	11.30	11.17	11.11	11.50	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	14.34	14.34	14.28	14.50	0
		1	12	14.33	14.35	14.30	14.50	0
		1	24	14.29	14.20	14.32	14.50	0
		12	0	13.44	13.40	13.26	13.50	0-1
		12	6	13.30	13.38	13.41	13.50	0-1
		12	13	13.41	13.40	13.41	13.50	0-1
		25	0	13.32	13.39	13.39	13.50	0-1
	16-QAM	1	0	13.32	13.42	13.37	13.50	0-1
		1	12	13.25	13.21	13.32	13.50	0-1
		1	24	13.21	13.09	13.29	13.50	0-1
		12	0	12.16	12.22	12.14	12.50	0-2
		12	6	12.30	12.35	12.25	12.50	0-2
		12	13	12.39	12.27	12.32	12.50	0-2
		25	0	12.36	12.37	12.34	12.50	0-2
	64-QAM	1	0	12.33	12.10	12.05	12.50	0-2
		1	12	12.23	12.19	12.26	12.50	0-2
		1	24	12.25	12.20	12.09	12.50	0-2
		12	0	11.25	11.02	11.05	11.50	0-3
		12	6	11.28	10.94	11.23	11.50	0-3
		12	13	11.24	11.18	11.05	11.50	0-3
		25	0	11.25	11.14	11.03	11.50	0-3

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LTE Band 41											
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	13.71	13.87	13.86	14.17	13.93	14.50	0
		1	50	13.84	13.83	13.91	14.21	13.95	14.50	0
		1	99	13.92	13.75	13.90	14.00	13.98	14.50	0
		50	0	12.78	12.91	13.05	13.20	13.07	13.50	0-1
		50	25	12.83	12.96	12.95	13.11	13.13	13.50	0-1
		50	50	12.95	12.88	12.91	13.09	13.01	13.50	0-1
		100	0	12.90	12.95	12.94	13.12	12.91	13.50	0-1
	16-QAM	1	0	13.05	13.02	13.09	13.38	13.16	13.50	0-1
		1	50	12.89	13.10	13.05	13.17	13.18	13.50	0-1
		1	99	12.91	12.98	13.02	13.21	13.09	13.50	0-1
		50	0	11.94	12.01	12.04	12.27	12.15	12.50	0-2
		50	25	11.93	12.06	12.04	12.19	12.20	12.50	0-2
		50	50	11.98	11.98	12.01	12.17	12.09	12.50	0-2
		100	0	11.98	11.96	12.03	12.19	11.98	12.50	0-2
	64-QAM	1	0	11.18	11.23	11.03	11.17	11.25	12.50	0-2
		1	50	11.29	11.29	11.12	11.19	11.30	12.50	0-2
		1	99	11.31	11.32	11.08	11.38	11.20	12.50	0-2
		50	0	10.10	10.15	9.90	10.13	10.17	11.50	0-3
		50	25	10.27	10.21	10.00	10.05	10.29	11.50	0-3
		50	50	10.17	10.29	10.05	10.34	10.15	11.50	0-3
		100	0	10.22	10.25	10.08	10.19	10.17	11.50	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	13.63	13.84	13.81	14.14	13.85	14.50	0
		1	36	13.83	13.81	13.84	14.09	13.91	14.50	0
		1	74	13.87	13.70	13.84	13.99	13.93	14.50	0
		36	0	12.71	12.85	13.01	13.14	13.06	13.50	0-1
		36	18	12.77	12.91	12.93	13.06	13.08	13.50	0-1
		36	37	12.92	12.82	12.86	12.99	12.95	13.50	0-1
		75	0	12.87	12.91	12.92	13.06	12.83	13.50	0-1
	16-QAM	1	0	12.98	12.95	13.02	13.30	13.15	13.50	0-1
		1	36	12.83	13.10	13.00	13.10	13.12	13.50	0-1
		1	74	12.84	12.89	12.98	13.20	13.03	13.50	0-1
		36	0	11.89	11.96	12.03	12.20	12.06	12.50	0-2
		36	18	11.86	12.03	11.99	12.11	12.18	12.50	0-2
		36	37	11.95	11.89	11.94	12.08	12.01	12.50	0-2
		75	0	11.93	11.94	11.99	12.17	11.95	12.50	0-2
	64-QAM	1	0	11.10	11.19	10.97	11.08	11.24	12.50	0-2
		1	36	11.26	11.21	11.04	11.18	11.26	12.50	0-2
		1	74	11.21	11.29	11.07	11.31	11.11	12.50	0-2
		36	0	10.05	10.11	9.84	10.12	10.10	11.50	0-3
		36	18	10.18	10.11	9.99	10.01	10.27	11.50	0-3
		36	37	10.12	10.19	9.97	10.31	10.13	11.50	0-3
		75	0	10.14	10.20	10.02	10.09	10.17	11.50	0-3

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LTE Band 41											
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	13.69	13.81	13.80	14.11	13.92	14.50	0
		1	25	13.77	13.78	13.84	14.10	13.93	14.50	0
		1	49	13.92	13.74	13.84	13.92	13.90	14.50	0
		25	0	12.74	12.82	13.04	13.19	13.00	13.50	0-1
		25	12	12.82	12.87	12.94	13.11	13.04	13.50	0-1
		25	25	12.91	12.82	12.84	13.09	12.98	13.50	0-1
		50	0	12.81	12.93	12.94	13.07	12.82	13.50	0-1
	16-QAM	1	0	13.02	12.93	12.99	13.32	13.15	13.50	0-1
		1	25	12.79	13.03	13.00	13.14	13.10	13.50	0-1
		1	49	12.85	12.98	12.94	13.17	13.07	13.50	0-1
		25	0	11.91	11.92	12.03	12.22	12.15	12.50	0-2
		25	12	11.84	12.01	12.00	12.15	12.19	12.50	0-2
		25	25	11.88	11.95	11.97	12.08	12.05	12.50	0-2
		50	0	11.93	11.92	12.01	12.10	11.93	12.50	0-2
	64-QAM	1	0	11.17	11.14	11.01	11.15	11.24	12.50	0-2
		1	25	11.21	11.24	11.09	11.10	11.28	12.50	0-2
		1	49	11.25	11.32	11.06	11.33	11.19	12.50	0-2
		25	0	10.01	10.14	9.80	10.08	10.12	11.50	0-3
		25	12	10.22	10.19	9.90	10.04	10.20	11.50	0-3
		25	25	10.09	10.28	9.99	10.33	10.09	11.50	0-3
		50	0	10.18	10.21	10.01	10.11	10.10	11.50	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	13.62	13.79	13.70	14.05	13.84	14.50	0
		1	12	13.70	13.75	13.79	14.01	13.93	14.50	0
		1	24	13.88	13.74	13.78	13.91	13.89	14.50	0
		12	0	12.67	12.80	12.98	13.14	12.90	13.50	0-1
		12	6	12.74	12.82	12.89	13.06	12.99	13.50	0-1
		12	13	12.87	12.78	12.75	13.03	12.89	13.50	0-1
		25	0	12.74	12.89	12.86	13.05	12.79	13.50	0-1
	16-QAM	1	0	12.94	12.86	12.97	13.31	13.08	13.50	0-1
		1	12	12.71	12.97	12.93	13.10	13.10	13.50	0-1
		1	24	12.83	12.92	12.86	13.14	12.97	13.50	0-1
		12	0	11.84	11.85	11.94	12.14	12.09	12.50	0-2
		12	6	11.84	12.00	11.98	12.08	12.15	12.50	0-2
		12	13	11.79	11.87	11.90	12.02	12.01	12.50	0-2
		25	0	11.90	11.89	11.99	12.04	11.90	12.50	0-2
	64-QAM	1	0	11.09	11.10	10.91	11.07	11.24	12.50	0-2
		1	12	11.13	11.17	11.03	11.08	11.21	12.50	0-2
		1	24	11.21	11.32	11.02	11.25	11.09	12.50	0-2
		12	0	9.98	10.12	9.76	10.05	10.06	11.50	0-3
		12	6	10.14	10.16	9.81	10.02	10.10	11.50	0-3
		12	13	10.08	10.27	9.92	10.25	10.07	11.50	0-3
		25	0	10.16	10.19	10.01	10.08	10.05	11.50	0-3

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LTE Band 41(HPUE)											
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	15.62	15.83	15.77	15.81	15.90	16.50	0
		1	50	15.75	15.80	15.91	16.11	15.88	16.50	0
		1	99	15.82	15.67	15.90	15.93	15.91	16.50	0
		50	0	14.69	14.86	14.98	15.15	15.07	15.50	0-1
		50	25	14.76	14.92	14.90	15.09	15.09	15.50	0-1
		50	50	14.92	14.85	14.81	14.99	14.98	15.50	0-1
		100	0	14.87	14.87	14.88	15.10	14.85	15.50	0-1
	16-QAM	1	0	14.99	14.99	15.09	15.30	15.14	15.50	0-1
		1	50	14.86	15.10	14.99	15.14	15.14	15.50	0-1
		1	99	14.88	14.96	15.02	15.17	15.00	15.50	0-1
		50	0	13.85	13.92	13.96	14.26	14.07	14.50	0-2
		50	25	13.92	13.97	13.98	14.12	14.17	14.50	0-2
		50	50	13.91	13.90	13.96	14.10	14.03	14.50	0-2
		100	0	13.90	13.87	13.93	14.17	13.92	14.50	0-2
	64-QAM	1	0	14.41	14.47	14.39	14.30	14.31	14.50	0-2
		1	50	14.46	14.39	14.42	14.34	14.41	14.50	0-2
		1	99	14.46	14.47	14.45	14.47	14.47	14.50	0-2
		50	0	13.43	13.31	13.32	13.40	13.37	13.50	0-3
		50	25	13.49	13.42	13.47	13.40	13.43	13.50	0-3
		50	50	13.37	13.40	13.39	13.45	13.37	13.50	0-3
		100	0	13.33	13.34	13.48	13.35	13.45	13.50	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	15.59	15.80	15.77	16.06	15.77	16.50	0
		1	36	15.79	15.77	15.80	16.04	15.88	16.50	0
		1	74	15.86	15.65	15.83	15.90	15.83	16.50	0
		36	0	14.62	14.80	15.00	15.04	15.03	15.50	0-1
		36	18	14.69	14.86	14.92	14.99	15.07	15.50	0-1
		36	37	14.83	14.81	14.77	14.95	14.88	15.50	0-1
		75	0	14.77	14.83	14.86	14.98	14.77	15.50	0-1
	16-QAM	1	0	14.91	14.91	14.93	15.29	15.14	15.50	0-1
		1	36	14.79	15.07	14.98	15.01	15.04	15.50	0-1
		1	74	14.84	14.88	14.93	15.13	14.93	15.50	0-1
		36	0	13.87	13.92	13.99	14.16	14.03	14.50	0-2
		36	18	13.79	13.96	13.94	14.08	14.15	14.50	0-2
		36	37	13.88	13.87	13.87	14.07	13.91	14.50	0-2
		75	0	13.91	13.86	13.89	14.12	13.89	14.50	0-2
	64-QAM	1	0	13.01	13.12	12.92	13.03	13.23	14.50	0-2
		1	36	13.22	13.15	13.03	13.14	13.18	14.50	0-2
		1	74	13.20	13.27	12.98	13.29	13.09	14.50	0-2
		36	0	12.03	12.07	11.78	12.11	12.09	13.50	0-3
		36	18	12.15	12.01	11.94	11.94	12.19	13.50	0-3
		36	37	12.07	12.17	11.88	12.24	12.07	13.50	0-3
		75	0	12.08	12.18	11.93	12.02	12.07	13.50	0-3

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LTE Band 41 (HPUE)											
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	15.67	15.74	15.74	16.08	15.88	16.50	0
		1	25	15.72	15.70	15.76	16.10	15.93	16.50	0
		1	49	15.82	15.69	15.79	15.89	15.81	16.50	0
		25	0	14.69	14.79	14.98	15.13	14.91	15.50	0-1
		25	12	14.80	14.87	14.86	15.07	14.97	15.50	0-1
		25	25	14.89	14.73	14.74	15.08	14.90	15.50	0-1
		50	0	14.79	14.92	14.91	15.02	14.81	15.50	0-1
	16-QAM	1	0	15.01	14.89	14.97	15.24	15.10	15.50	0-1
		1	25	14.71	15.02	14.94	15.07	15.04	15.50	0-1
		1	49	14.76	14.98	14.90	15.08	15.03	15.50	0-1
		25	0	13.88	13.83	14.00	14.19	14.10	14.50	0-2
		25	12	13.84	13.99	13.90	14.12	14.18	14.50	0-2
		25	25	13.87	13.89	13.94	14.05	14.00	14.50	0-2
		50	0	13.86	13.92	14.00	14.05	13.86	14.50	0-2
	64-QAM	1	0	13.12	13.08	12.99	13.12	13.15	14.50	0-2
		1	25	13.20	13.16	13.03	13.07	13.19	14.50	0-2
		1	49	13.17	13.28	13.05	13.33	13.12	14.50	0-2
		25	0	11.99	12.12	11.74	12.08	12.03	13.50	0-3
		25	12	12.12	12.10	11.81	12.03	12.18	13.50	0-3
		25	25	12.06	12.20	11.90	12.32	12.08	13.50	0-3
		50	0	12.16	12.13	11.98	12.07	12.03	13.50	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	15.58	15.69	15.68	16.02	15.77	16.50	0
		1	12	15.65	15.70	15.72	15.96	15.86	16.50	0
		1	24	15.87	15.65	15.69	15.87	15.80	16.50	0
		12	0	14.60	14.79	14.91	15.13	14.82	15.50	0-1
		12	6	14.68	14.81	14.80	15.06	14.93	15.50	0-1
		12	13	14.82	14.72	14.68	14.95	14.82	15.50	0-1
		25	0	14.66	14.81	14.84	15.01	14.73	15.50	0-1
	16-QAM	1	0	14.92	14.85	14.92	15.21	14.99	15.50	0-1
		1	12	14.69	14.94	14.92	15.09	15.01	15.50	0-1
		1	24	14.73	14.82	14.80	15.05	14.95	15.50	0-1
		12	0	13.77	13.76	13.85	14.11	14.00	14.50	0-2
		12	6	13.75	13.97	13.92	14.06	14.11	14.50	0-2
		12	13	13.74	13.78	13.82	13.93	13.94	14.50	0-2
		25	0	13.80	13.86	13.95	13.96	13.89	14.50	0-2
	64-QAM	1	0	13.06	13.09	12.90	12.98	13.23	14.50	0-2
		1	12	13.11	13.13	12.97	13.07	13.14	14.50	0-2
		1	24	13.15	13.26	12.93	13.21	13.00	14.50	0-2
		12	0	11.97	12.10	11.67	12.04	12.01	13.50	0-3
		12	6	12.08	12.14	11.72	12.01	12.03	13.50	0-3
		12	13	12.01	12.19	11.88	12.20	12.04	13.50	0-3
		25	0	12.08	12.15	11.97	12.02	12.03	13.50	0-3

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

Band \ Antenna	SISO		MIMO
	Main	Aux	Main + Aux
WLAN802.11b	V	V	-
WLAN802.11g	V	V	-
WLAN802.11n(20M)	V	V	V
WLAN802.11n(40M)	V	V	V
WLAN802.11a	V	V	-
WLAN802.11n(20M) 5G	V	V	V
WLAN802.11n(40M) 5G	V	V	V
WLAN802.11ac(20M) 5G	V	V	V
WLAN802.11ac(40M) 5G	V	V	V
WLAN802.11ac(80M) 5G	V	V	V

Notebook mode

Main

Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	17.00	16.93
		6	2437		17.00	16.99
		11	2462		17.00	16.76
		12	2467		17.00	16.69
		13	2472		16.50	16.37
	802.11g	1	2412	6Mbps	17.00	16.92
		6	2437		17.00	16.95
		11	2462		17.00	16.93
		12	2467		14.00	13.79
		13	2472		4.50	4.24
	802.11n20-HT0	1	2412	MCS0	17.00	16.91
		6	2437		17.00	16.95
		11	2462		17.00	16.96
		12	2467		14.00	13.80
		13	2472		4.50	4.13
	802.11n40-HT0	3	2422	MCS0	15.00	14.94
		6	2437		17.00	16.93
		9	2452		15.00	14.96

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	14.50	14.15
		40	5200		14.50	14.25
		44	5220		14.50	14.33
		48	5240		14.50	14.41
	802.11n20-HT0	36	5180	MCS0	14.50	14.37
		40	5200		14.50	14.39
		44	5220		14.50	14.29
		48	5240		14.50	14.33
	802.11ac20-VHT0	36	5180	MCS0	14.50	14.23
		40	5200		14.50	14.27
		44	5220		14.50	14.14
		48	5240		14.50	14.33
	802.11n40-HT0	38	5190	MCS0	14.50	14.13
		46	5230		14.50	14.19
	802.11ac40-VHT0	38	5190	MCS0	14.50	14.32
		46	5230		14.50	14.21
	802.11ac80-VHT0	42	5210	MCS0	14.00	13.98

Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	14.50	14.25
		56	5280		14.50	14.30
		60	5300		14.50	14.17
		64	5320		14.50	14.45
	802.11n20-HT0	52	5260	MCS0	14.50	14.42
		56	5280		14.50	14.14
		60	5300		14.50	14.22
		64	5320		14.50	14.23
	802.11ac20-VHT0	52	5260	MCS0	14.50	14.31
		56	5280		14.50	14.36
		60	5300		14.50	14.41
		64	5320		14.50	14.29
	802.11n40-HT0	54	5270	MCS0	14.50	14.28
		62	5310		12.50	12.43
	802.11ac40-VHT0	54	5270	MCS0	14.50	14.36
		62	5310		12.50	12.32
	802.11ac80-VHT0	58	5290	MCS0	13.00	12.94

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	15.00	14.95
		104	5520		15.00	14.89
		116	5580		15.00	14.92
		120	5600		15.00	14.92
		136	5680		15.00	14.88
		140	5700		15.00	14.91
		144	5720		15.00	14.82
	802.11n20-HT0	100	5500	MCS0	15.00	14.92
		104	5520		15.00	14.82
		116	5580		15.00	14.95
		120	5600		15.00	14.92
		136	5680		15.00	14.91
		140	5700		15.00	14.91
		144	5720		15.00	14.84
	802.11ac20-VHT0	100	5500	MCS0	15.00	14.89
		104	5520		15.00	14.93
		116	5580		15.00	14.92
		120	5600		15.00	14.96
		136	5680		15.00	14.84
		140	5700		15.00	14.91
		144	5720		15.00	14.85
	802.11n40-HT0	102	5510	MCS0	15.00	14.88
		110	5550		15.00	14.98
		118	5590		15.00	14.65
		134	5670		15.00	14.97
		142	5710		15.00	14.98
	802.11ac40-VHT0	102	5510	MCS0	15.00	14.88
		110	5550		15.00	14.93
		118	5590		15.00	14.92
		134	5670		15.00	14.82
		142	5710		15.00	14.91
	802.11ac80-VHT0	106	5530	MCS0	14.50	14.44
		122	5610		15.00	14.84
		138	5690		15.00	14.73

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Main Antenna						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	14.00	13.92
		157	5785		14.00	13.88
		165	5825		14.00	13.83
	802.11n20-HT0	149	5745	MCS0	14.00	13.89
		157	5785		14.00	13.92
		165	5825		14.00	13.95
	802.11ac20-VHT0	149	5745	MCS0	14.00	13.93
		157	5785		14.00	13.89
		165	5825		14.00	13.92
	802.11n40-HT0	151	5755	MCS0	14.00	13.99
		159	5795		14.00	13.70
	802.11ac40-VHT0	151	5755	MCS0	14.00	13.91
		159	5795		14.00	13.95
	802.11ac80-VHT0	155	5775	MCS0	14.00	13.78

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Aux

Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	15.00	14.96
		6	2437		15.00	14.94
		11	2462		15.00	14.83
		12	2467		15.00	14.72
		13	2472		15.00	14.77
	802.11g	1	2412	6Mbps	15.00	14.92
		6	2437		15.00	14.88
		11	2462		15.00	14.84
		12	2467		14.00	13.88
		13	2472		4.50	4.45
	802.11n20-HT0	1	2412	MCS0	15.00	14.91
		6	2437		15.00	14.92
		11	2462		15.00	14.92
		12	2467		14.00	13.91
		13	2472		4.50	4.26
	802.11n40-HT0	3	2422	MCS0	15.00	14.91
		6	2437		15.00	14.94
		9	2452		15.00	14.89

Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	17.50	17.47
		40	5200		17.50	17.49
		44	5220		17.50	17.46
		48	5240		17.50	17.48
	802.11n20-HT0	36	5180	MCS0	17.50	17.42
		40	5200		17.50	17.39
		44	5220		17.50	17.41
		48	5240		17.50	17.43
	802.11ac20-VHT0	36	5180	MCS0	17.50	17.42
		40	5200		17.50	17.39
		44	5220		17.50	17.47
		48	5240		17.50	17.42
	802.11n40-HT0	38	5190	MCS0	17.00	16.97
		46	5230		17.50	17.49
	802.11ac40-VHT0	38	5190	MCS0	17.00	16.98
		46	5230		17.50	17.42
	802.11ac80-VHT0	42	5210	MCS0	15.50	15.45

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	17.00	16.99
		56	5280		17.00	16.97
		60	5300		17.00	16.92
		64	5320		17.00	16.98
	802.11n20-HT0	52	5260	MCS0	17.00	16.92
		56	5280		17.00	16.91
		60	5300		17.00	16.89
		64	5320		17.00	16.92
	802.11ac20-VHT0	52	5260	MCS0	17.00	16.90
		56	5280		17.00	16.92
		60	5300		17.00	16.94
		64	5320		17.00	16.92
	802.11n40-HT0	54	5270	MCS0	17.00	16.95
		62	5310		14.00	13.99
	802.11ac40-VHT0	54	5270	MCS0	17.00	16.89
		62	5310		14.00	13.98
	802.11ac80-VHT0	58	5290	MCS0	14.50	14.44

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	12.00	11.92
		104	5520		12.00	11.89
		116	5580		12.00	11.91
		120	5600		12.00	11.87
		136	5680		12.00	11.84
		140	5700		12.00	11.82
		144	5720		12.00	11.91
	802.11n20-HT0	100	5500	MCS0	12.00	11.88
		104	5520		12.00	11.95
		116	5580		12.00	11.78
		120	5600		12.00	11.92
		136	5680		12.00	11.84
		140	5700		12.00	11.93
		144	5720		12.00	11.92
	802.11ac20-VHT0	100	5500	MCS0	12.00	11.89
		104	5520		12.00	11.93
		116	5580		12.00	11.89
		120	5600		12.00	11.91
		136	5680		12.00	11.92
		140	5700		12.00	11.87
		144	5720		12.00	11.79
	802.11n40-HT0	102	5510	MCS0	12.00	11.83
		110	5550		12.00	11.96
		118	5590		12.00	11.92
		134	5670		12.00	11.93
		142	5710		12.00	11.86
	802.11ac40-VHT0	102	5510	MCS0	12.00	11.94
		110	5550		12.00	11.93
		118	5590		12.00	11.92
		134	5670		12.00	11.89
		142	5710		12.00	11.94
	802.11ac80-VHT0	106	5530	MCS0	12.00	11.98
		122	5610		12.00	11.81
		138	5690		12.00	11.89

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Aux Antenna						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	12.00	11.92
		157	5785		12.00	11.89
		165	5825		12.00	11.85
	802.11n20-HT0	149	5745	MCS0	12.00	11.95
		157	5785		12.00	11.92
		165	5825		12.00	11.88
	802.11ac20-VHT0	149	5745	MCS0	12.00	11.92
		157	5785		12.00	11.84
		165	5825		12.00	11.96
	802.11n40-HT0	151	5755	MCS0	12.00	11.81
		159	5795		12.00	11.99
	802.11ac40-VHT0	151	5755	MCS0	12.00	11.86
		159	5795		12.00	11.82
	802.11ac80-VHT0	155	5775	MCS0	12.00	11.90

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Tablet mode

Main

Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	15.50	15.14
		6	2437		15.50	15.30
		11	2462		15.50	15.21
		12	2467		15.50	15.07
		13	2472		15.50	15.11
	802.11g	1	2412	6Mbps	15.50	15.29
		6	2437		15.50	15.21
		11	2462		15.50	15.23
		12	2467		14.00	13.79
		13	2472		4.50	4.24
	802.11n20-HT0	1	2412	MCS0	15.50	15.23
		6	2437		15.50	15.22
		11	2462		15.50	15.22
		12	2467		14.00	13.80
		13	2472		4.50	4.13
	802.11n40-HT0	3	2422	MCS0	15.00	14.88
		6	2437		15.50	15.11
		9	2452		15.00	14.91

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	14.00	13.64
		40	5200		14.00	13.62
		44	5220		14.00	13.71
		48	5240		14.00	13.65
	802.11n20-HT0	36	5180	MCS0	14.00	13.72
		40	5200		14.00	13.65
		44	5220		14.00	13.61
		48	5240		14.00	13.55
	802.11ac20-VHT0	36	5180	MCS0	14.00	13.62
		40	5200		14.00	13.72
		44	5220		14.00	13.62
		48	5240		14.00	13.61
	802.11n40-HT0	38	5190	MCS0	14.00	13.64
		46	5230		14.00	13.73
	802.11ac40-VHT0	38	5190	MCS0	14.00	13.68
		46	5230		14.00	13.69
	802.11ac80-VHT0	42	5210	MCS0	14.00	13.66

Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	13.50	13.37
		56	5280		13.50	13.23
		60	5300		13.50	13.10
		64	5320		13.50	13.48
	802.11n20-HT0	52	5260	MCS0	13.50	13.42
		56	5280		13.50	13.38
		60	5300		13.50	13.32
		64	5320		13.50	13.45
	802.11ac20-VHT0	52	5260	MCS0	13.50	13.39
		56	5280		13.50	13.32
		60	5300		13.50	13.44
		64	5320		13.50	13.41
	802.11n40-HT0	54	5270	MCS0	13.50	13.19
		62	5310		12.50	12.43
	802.11ac40-VHT0	54	5270	MCS0	13.50	13.42
		62	5310		12.50	12.37
	802.11ac80-VHT0	58	5290	MCS0	13.00	12.93

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	13.50	13.35
		104	5520		13.50	13.32
		116	5580		13.50	13.22
		120	5600		13.50	13.41
		136	5680		13.50	13.42
		140	5700		13.50	13.14
		144	5720		13.50	13.22
	802.11n20-HT0	100	5500	MCS0	13.50	13.33
		104	5520		13.50	13.35
		116	5580		13.50	13.36
		120	5600		13.50	13.42
		136	5680		13.50	13.31
		140	5700		13.50	13.29
		144	5720		13.50	13.33
	802.11ac20-VHT0	100	5500	MCS0	13.50	13.42
		104	5520		13.50	13.34
		116	5580		13.50	13.32
		120	5600		13.50	13.39
		136	5680		13.50	13.42
		140	5700		13.50	13.35
		144	5720		13.50	13.34
	802.11n40-HT0	102	5510	MCS0	13.50	13.32
		110	5550		13.50	13.39
		118	5590		13.50	13.41
		134	5670		13.50	13.38
		142	5710		13.50	13.32
	802.11ac40-VHT0	102	5510	MCS0	13.50	13.42
		110	5550		13.50	13.37
		118	5590		13.50	13.35
		134	5670		13.50	13.42
		142	5710		13.50	13.33
	802.11ac80-VHT0	106	5530	MCS0	13.50	13.33
		122	5610		13.50	13.18
		138	5690		13.50	13.45

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Main Antenna						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	12.00	11.71
		157	5785		12.00	11.72
		165	5825		12.00	11.77
	802.11n20-HT0	149	5745	MCS0	12.00	11.79
		157	5785		12.00	11.63
		165	5825		12.00	11.66
	802.11ac20-VHT0	149	5745	MCS0	12.00	11.72
		157	5785		12.00	11.73
		165	5825		12.00	11.78
	802.11n40-HT0	151	5755	MCS0	12.00	11.66
		159	5795		12.00	11.81
	802.11ac40-VHT0	151	5755	MCS0	12.00	11.74
		159	5795		12.00	11.75
	802.11ac80-VHT0	155	5775	MCS0	12.00	11.73

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Aux

Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2450 MHz	802.11b	1	2412	1Mbps	16.00	15.97
		6	2437		16.00	15.99
		11	2462		16.00	15.98
		12	2467		16.00	15.81
		13	2472		16.00	15.87
	802.11g	1	2412	6Mbps	16.00	15.92
		6	2437		16.00	15.89
		11	2462		16.00	15.94
		12	2467		14.00	13.88
		13	2472		4.50	4.45
	802.11n20-HT0	1	2412	MCS0	16.00	15.92
		6	2437		16.00	15.91
		11	2462		16.00	15.87
		12	2467		14.00	13.91
		13	2472		4.50	4.26
	802.11n40-HT0	3	2422	MCS0	15.00	14.95
		6	2437		16.00	15.92
		9	2452		15.00	14.92

Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	17.50	17.47
		40	5200		17.50	17.49
		44	5220		17.50	17.46
		48	5240		17.50	17.48
	802.11n20-HT0	36	5180	MCS0	17.50	17.42
		40	5200		17.50	17.38
		44	5220		17.50	17.33
		48	5240		17.50	17.39
	802.11ac20-VHT0	36	5180	MCS0	17.50	17.43
		40	5200		17.50	17.29
		44	5220		17.50	17.39
		48	5240		17.50	17.42
	802.11n40-HT0	38	5190	MCS0	15.50	15.45
		46	5230		17.50	17.49
	802.11ac40-VHT0	38	5190	MCS0	15.50	15.45
		46	5230		17.50	17.41
	802.11ac80-VHT0	42	5210	MCS0	14.00	13.92

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	17.00	16.99
		56	5280		17.00	16.97
		60	5300		17.00	16.92
		64	5320		17.00	16.98
	802.11n20-HT0	52	5260	MCS0	17.00	16.95
		56	5280		17.00	16.85
		60	5300		17.00	16.88
		64	5320		17.00	16.92
	802.11ac20-VHT0	52	5260	MCS0	17.00	16.92
		56	5280		17.00	16.82
		60	5300		17.00	16.92
		64	5320		17.00	16.87
	802.11n40-HT0	54	5270	MCS0	17.00	16.95
		62	5310		12.50	12.44
	802.11ac40-VHT0	54	5270	MCS0	17.00	16.92
		62	5310		12.50	12.38
	802.11ac80-VHT0	58	5290	MCS0	13.00	12.93

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11a	100	5500	6Mbps	12.00	11.94
		104	5520		12.00	11.89
		116	5580		12.00	11.91
		120	5600		12.00	11.94
		136	5680		12.00	11.84
		140	5700		12.00	11.92
		144	5720		12.00	11.81
	802.11n20-HT0	100	5500	MCS0	12.00	11.88
		104	5520		12.00	11.85
		116	5580		12.00	11.78
		120	5600		12.00	11.95
		136	5680		12.00	11.84
		140	5700		12.00	11.93
		144	5720		12.00	11.94
	802.11ac20-VHT0	100	5500	MCS0	12.00	11.89
		104	5520		12.00	11.90
		116	5580		12.00	11.89
		120	5600		12.00	11.96
		136	5680		12.00	11.92
		140	5700		12.00	11.87
		144	5720		12.00	11.89
	802.11n40-HT0	102	5510	MCS0	12.00	11.93
		110	5550		12.00	11.96
		118	5590		12.00	11.82
		134	5670		12.00	11.83
		142	5710		12.00	11.86
	802.11ac40-VHT0	102	5510	MCS0	12.00	11.84
		110	5550		12.00	11.96
		118	5590		12.00	11.82
		134	5670		12.00	11.89
		142	5710		12.00	11.91
	802.11ac80-VHT0	106	5530	MCS0	12.00	11.98
		122	5610		12.00	11.81
		138	5690		12.00	11.89

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Aux Antenna						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	12.00	11.95
		157	5785		12.00	11.89
		165	5825		12.00	11.83
	802.11n20-HT0	149	5745	MCS0	12.00	11.95
		157	5785		12.00	11.90
		165	5825		12.00	11.88
	802.11ac20-VHT0	149	5745	MCS0	12.00	11.92
		157	5785		12.00	11.82
		165	5825		12.00	11.84
	802.11n40-HT0	151	5755	MCS0	12.00	11.81
		159	5795		12.00	11.99
	802.11ac40-VHT0	151	5755	MCS0	12.00	11.88
		159	5795		12.00	11.94
	802.11ac80-VHT0	155	5775	MCS0	12.00	11.90

Bluetooth conducted power table:

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	9.51	8.41	9.01	8.04	9.08	7.78
	CH 39	2441	10.76	9.64	10.16	9.83	10.22	9.69
	CH 78	2480	10.21	9.86	9.56	9.06	9.57	8.82

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
LE_1M	CH 00	2402	1.80	1.72
	CH 19	2440	3.60	3.37
	CH 39	2480	2.70	2.54
LE_2M	CH 00	2402	1.70	1.52
	CH 19	2440	3.50	3.29
	CH 39	2480	2.60	2.38

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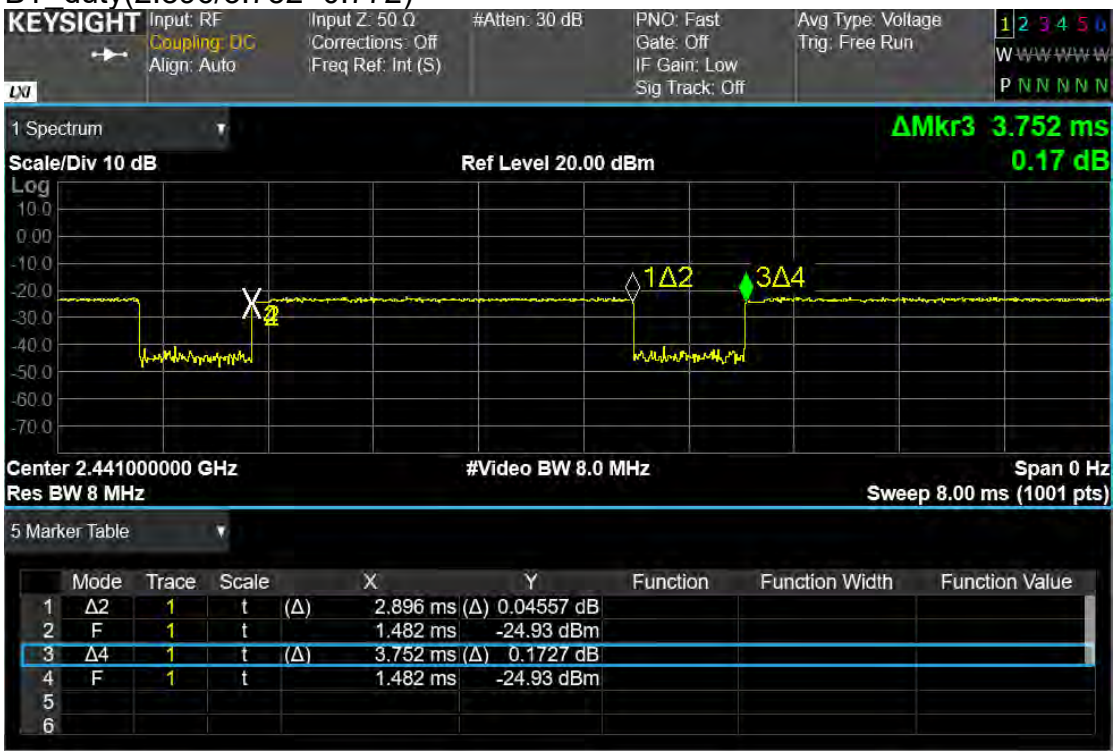
BT duty(2.896/3.752=0.772)



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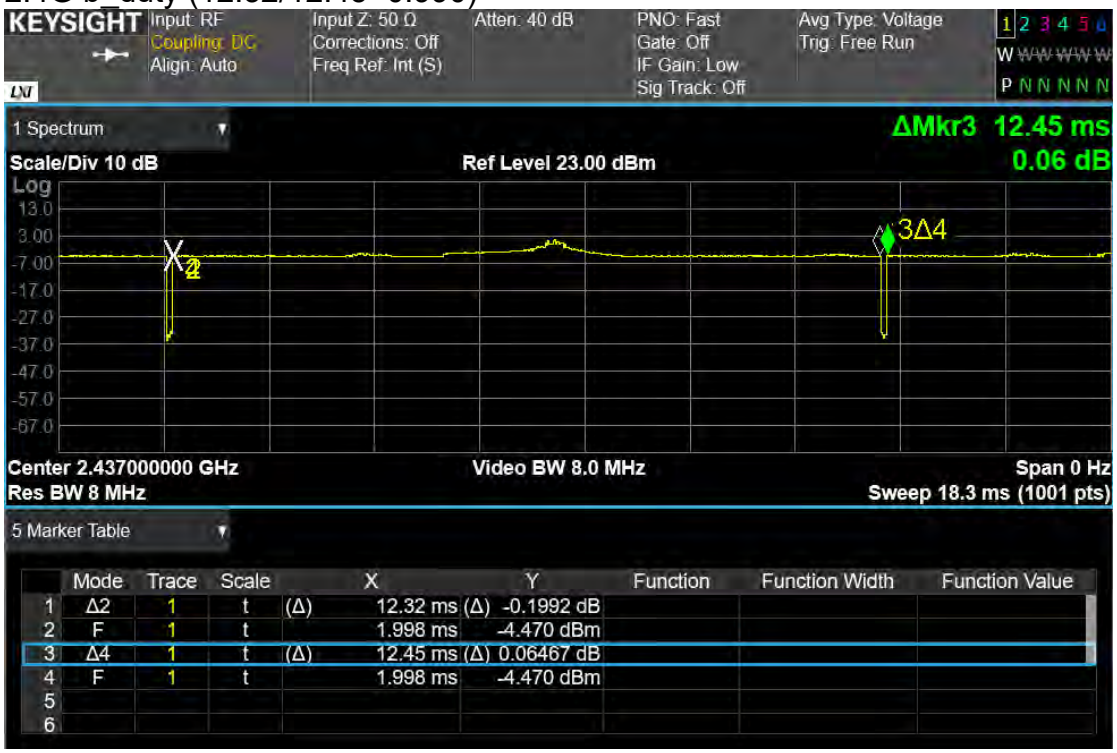
2.4G b_duty (12.32/12.45=0.990)



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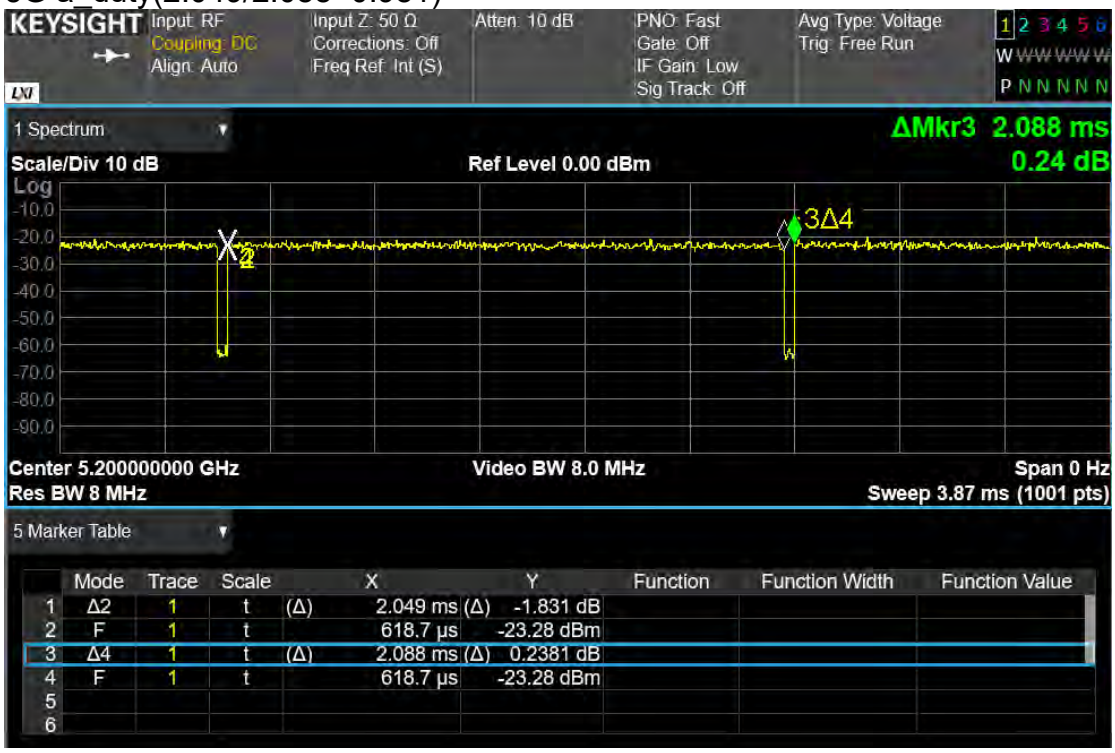
5G a_duty(2.049/2.088=0.981)



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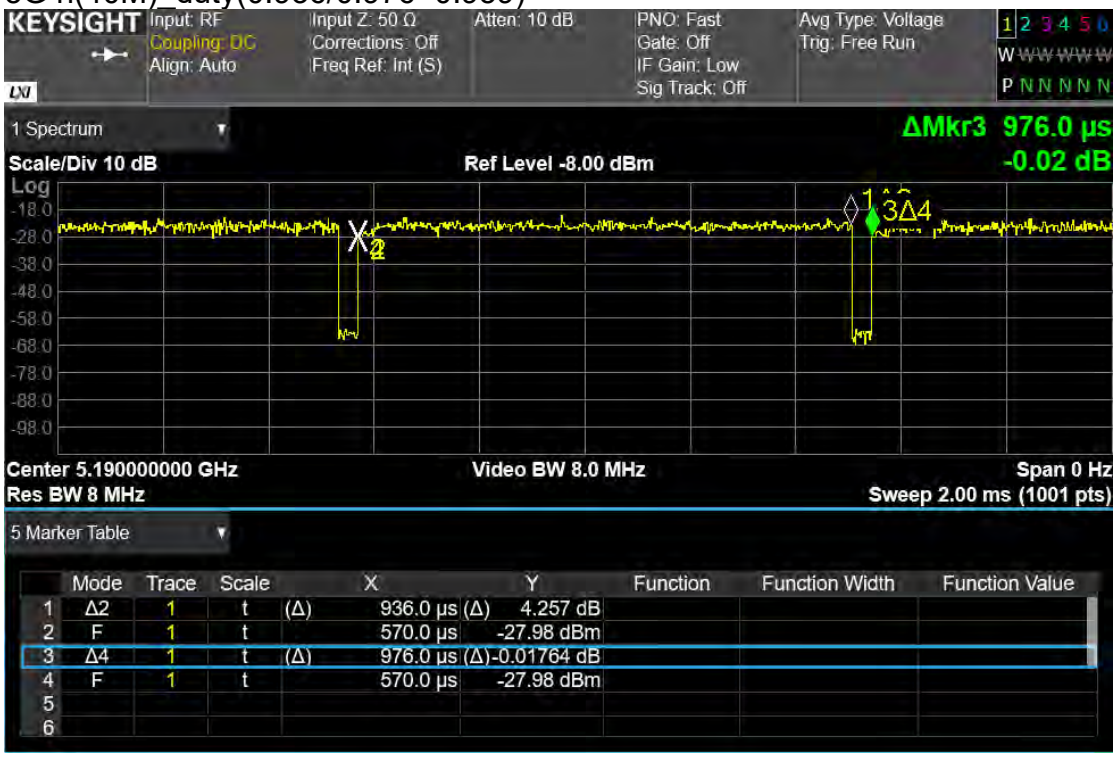
5G n(40M)_duty(0.936/0.976=0.959)



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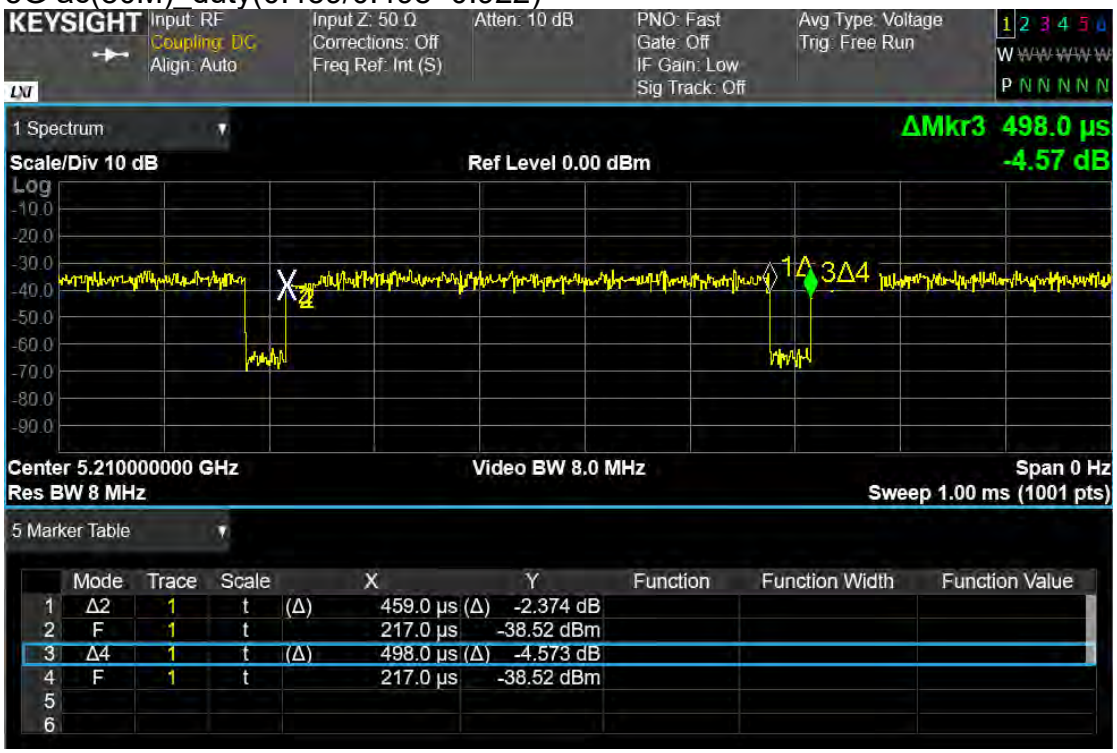
5G ac(80M)_duty(0.459/0.498=0.922)



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1.3.10 Uplink CA

Sensor off

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	2510	20850	1	99	20	QPSK	2529.8	21048	1	99	0	23.36	25.20
20	QPSK	2560	21350	1	99	20	QPSK	2540.2	21152	1	99	0	23.31	25.20

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	2510	20850	1	99	15	QPSK	2527.1	21021	1	74	0	23.31	25.20
20	QPSK	2560	21350	1	99	15	QPSK	2542.9	21179	1	74	0	23.22	25.20

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	2507.5	20825	1	74	15	QPSK	2522.5	20975	1	74	0	23.35	25.20
15	QPSK	2562.5	21375	1	74	15	QPSK	2547.5	21225	1	74	0	23.22	25.20

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)
23.2	QPSK	2507.5	20825	1	74	10	QPSK	2519.5	20945	1	49	0	23.27	25.20

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	2510	20850	1	0	10	QPSK	2524.4	20994	1	49	0	23.23	25.20

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	99	0	23.50	25.20
20	QPSK	2610	38150	1	50	20	QPSK	2590.2	37952	1	50	0	23.55	25.20

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	2577.5	37825	1	0	15	QPSK	2592.5	37975	1	0	0	23.45	25.20
15	QPSK	2612.5	38175	1	36	15	QPSK	2597.5	38025	1	36	0	23.51	25.20

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CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	20	QPSK	2525.8	39948	1	0	0	23.58	25.20
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	0	0	23.43	25.20

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	15	QPSK	2523.1	39921	1	0	0	23.46	25.20
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	0	0	23.43	25.20

CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	15	QPSK	2518.5	39875	1	0	0	23.57	25.20
15	QPSK	2682.5	41515	1	0	15	QPSK	2667.5	41365	1	0	0	23.50	25.20

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	10	QPSK	2520.4	39894	1	0	0	23.49	25.20
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	0	0	23.54	25.20

CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	10	QPSK	2515.5	39845	1	0	0	23.47	25.20
15	QPSK	2682.5	41515	1	0	10	QPSK	2670.5	41395	1	0	0	23.56	25.20

CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	5	QPSK	2517.7	39867	1	0	0	23.52	25.20
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	0	0	23.42	25.20

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CA_41C_HPUE														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	20	QPSK	2525.8	39948	1	0	0	25.30	27.20
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	0	0	25.11	27.20

CA_41C_HPUE														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	15	QPSK	2523.1	39921	1	0	0	25.26	27.20
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	0	0	25.29	27.20

CA_41C_HPUE														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	15	QPSK	2518.5	39875	1	0	0	25.17	27.20
15	QPSK	2682.5	41515	1	0	15	QPSK	2667.5	41365	1	0	0	25.20	27.20

CA_41C_HPUE														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	10	QPSK	2520.4	39894	1	0	0	25.22	27.20
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	0	0	25.18	27.20

CA_41C_HPUE														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	10	QPSK	2515.5	39845	1	0	0	25.16	27.20
15	QPSK	2682.5	41515	1	0	10	QPSK	2670.5	41395	1	0	0	25.21	27.20

CA_41C_HPUE														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	5	QPSK	2517.7	39867	1	0	0	25.15	27.20
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	24	0	25.18	27.20

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sensor on_NB

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	2510	20850	1	99	20	QPSK	2529.8	21048	1	99	0	19.27	19.50
20	QPSK	2560	21350	1	99	20	QPSK	2540.2	21152	1	99	0	19.16	19.50

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	2510	20850	1	99	15	QPSK	2527.1	21021	1	99	0	19.15	19.50
20	QPSK	2560	21350	1	99	15	QPSK	2542.9	21179	1	99	0	19.23	19.50

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	2507.5	20825	1	99	15	QPSK	2522.5	20975	1	99	0	19.15	19.50
15	QPSK	2562.5	21375	1	99	15	QPSK	2547.5	21225	1	99	0	19.26	19.50

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	2507.5	20825	1	99	10	QPSK	2519.5	20945	1	99	0	19.17	19.50

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	2510	20850	1	99	10	QPSK	2524.4	20994	1	99	0	19.19	19.50

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	99	0	19.34	19.50
20	QPSK	2610	38150	1	99	20	QPSK	2590.2	37952	1	50	0	19.32	19.50

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	2577.5	37825	1	74	15	QPSK	2592.5	37975	1	74	0	19.28	19.50
15	QPSK	2612.5	38175	1	74	15	QPSK	2597.5	38025	1	74	0	19.21	19.50

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CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	20	QPSK	2525.8	39948	1	50	0	19.36	19.50
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	0	0	19.27	19.50

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	15	QPSK	2523.1	39921	1	36	0	19.23	19.50
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	0	0	19.21	19.50

CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	36	15	QPSK	2518.5	39875	1	36	0	19.34	19.50
15	QPSK	2682.5	41515	1	0	15	QPSK	2667.5	41365	1	0	0	19.26	19.50

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	10	QPSK	2520.4	39894	1	25	0	19.18	19.50
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	0	0	19.35	19.50

CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	36	10	QPSK	2515.5	39845	1	25	0	19.32	19.50
15	QPSK	2682.5	41515	1	0	10	QPSK	2670.5	41395	1	0	0	19.23	19.50

CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	5	QPSK	2517.7	39867	1	12	0	19.29	19.50
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	0	0	19.18	19.50

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CA_41C_HPUE														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	20	QPSK	2525.8	39948	1	50	0	21.35	21.50
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	0	0	21.19	21.50

CA_41C_HPUE														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	15	QPSK	2523.1	39921	1	36	0	21.34	19.50
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	0	0	21.28	19.50

CA_41C_HPUE														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	36	15	QPSK	2518.5	39875	1	36	0	21.29	19.50
15	QPSK	2682.5	41515	1	0	15	QPSK	2667.5	41365	1	0	0	21.30	19.50

CA_41C_HPUE														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	10	QPSK	2520.4	39894	1	25	0	21.23	19.50
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	0	0	21.20	19.50

CA_41C_HPUE														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	36	10	QPSK	2515.5	39845	1	25	0	21.20	19.50
15	QPSK	2682.5	41515	1	0	10	QPSK	2670.5	41395	1	25	0	21.27	19.50

CA_41C_HPUE														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	50	5	QPSK	2517.7	39867	1	12	0	21.27	19.50
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	0	0	21.19	19.50

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sensor on_TB

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	2510	20850	1	99	20	QPSK	2529.8	21048	1	99	0	14.03	14.50
20	QPSK	2560	21350	1	0	20	QPSK	2540.2	21152	1	0	0	13.88	14.50

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	2510	20850	1	99	15	QPSK	2527.1	21021	1	74	0	13.97	14.50
20	QPSK	2560	21350	1	0	15	QPSK	2542.9	21179	1	0	0	13.99	14.50

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	2507.5	20825	1	74	15	QPSK	2522.5	20975	1	74	0	13.91	14.50
15	QPSK	2562.5	21375	1	0	15	QPSK	2547.5	21225	1	0	0	14.03	14.50

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	2507.5	20825	1	74	10	QPSK	2519.5	20945	1	49	0	13.95	14.50

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	2510	20850	1	99	10	QPSK	2524.4	20994	1	49	0	13.92	14.50

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	99	0	14.34	14.50
20	QPSK	2610	38150	1	99	20	QPSK	2590.2	37952	1	99	0	14.32	14.50

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	2577.5	37825	1	74	15	QPSK	2592.5	37975	1	74	0	14.26	14.50
15	QPSK	2612.5	38175	1	74	15	QPSK	2597.5	38025	1	74	0	14.27	14.50

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CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	20	QPSK	2525.8	39948	1	99	0	14.05	14.50
20	QPSK	2680	41490	1	99	20	QPSK	2660.2	41292	1	99	0	14.01	14.50

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	15	QPSK	2523.1	39921	1	99	0	13.85	14.50
20	QPSK	2680	41490	1	99	15	QPSK	2662.9	41319	1	99	0	14.04	14.50

CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	99	15	QPSK	2518.5	39875	1	99	0	14.02	14.50
15	QPSK	2682.5	41515	1	99	15	QPSK	2667.5	41365	1	99	0	13.92	14.50

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	10	QPSK	2520.4	39894	1	49	0	14.03	14.50
20	QPSK	2680	41490	1	99	10	QPSK	2665.6	41346	1	25	0	13.87	14.50

CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	99	10	QPSK	2515.5	39845	1	49	0	13.96	14.50
15	QPSK	2682.5	41515	1	99	10	QPSK	2670.5	41395	1	25	0	13.99	14.50

CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	5	QPSK	2517.7	39867	1	24	0	14.03	14.50
20	QPSK	2680	41490	1	99	5	QPSK	2668.3	41373	1	12	0	13.85	14.50

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CA_41C_HPUE														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	20	QPSK	2525.8	39948	1	99	0	16.02	16.50
20	QPSK	2680	41490	1	99	20	QPSK	2660.2	41292	1	99	0	15.97	16.50

CA_41C_HPUE														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	15	QPSK	2523.1	39921	1	74	0	16.01	16.50
20	QPSK	2680	41490	1	99	15	QPSK	2662.9	41319	1	36	0	15.83	16.50

CA_41C_HPUE														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	15	QPSK	2518.5	39875	1	74	0	16.01	16.50
15	QPSK	2682.5	41515	1	36	15	QPSK	2667.5	41365	1	36	0	15.84	16.50

CA_41C_HPUE														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	10	QPSK	2520.4	39894	1	49	0	15.92	16.50
20	QPSK	2680	41490	1	99	10	QPSK	2665.6	41346	1	25	0	15.97	16.50

CA_41C_HPUE														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	10	QPSK	2515.5	39845	1	49	0	15.99	16.50
15	QPSK	2682.5	41515	1	36	10	QPSK	2670.5	41395	1	25	0	15.90	16.50

CA_41C_HPUE														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	5	QPSK	2517.7	39867	1	24	0	15.82	16.50
20	QPSK	2680	41490	1	99	5	QPSK	2668.3	41373	1	12	0	15.85	16.50

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1.3.11 LTE Downlink CA specification

LTE Downlink 2CA conducted power table

Two Component Carrier Maximum Conducted Power_sensor off															
PCC									SCC				Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	Configurations
LTE B2	20	18700	1860	QPSK	1	99	700	1940	LTE B2	20	1100	1980	23.97	25.70	CA_2A-2A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B4	20	2175	2132.5	24.06	25.70	CA_2A-4A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B5	10	2450	874	24.02	25.70	CA_2A-5A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B12	10	5130	741	23.94	25.70	CA_2A-12A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B13	10	5230	751	24.08	25.70	CA_2A-13A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B14	10	5330	763	24.05	25.70	CA_2A-14A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B66	20	66536	2120	24.02	25.70	CA_2A-66A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B71	20	68836	642	24.00	25.70	CA_2A-71A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B2	20	1100	1980	24.03	25.70	CA_4A-2A
LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	23.97	25.70	CA_4A-4A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2450	874	23.85	25.70	CA_4A-5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B7	20	3100	2655	23.99	25.70	CA_4A-7A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5130	741	23.87	25.70	CA_4A-12A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B13	10	5230	751	23.84	25.70	CA_4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B66	20	66536	2120	23.99	25.70	CA_4A-66A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B71	20	68836	642	23.91	25.70	CA_4A-71A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B2	20	1100	1980	23.81	25.20	CA_5A-2A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B4	20	2175	2132.5	23.90	25.20	CA_5A-4A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B5	10	2600	889	23.83	25.20	CA_5A-5A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B7	20	3100	2655	23.84	25.20	CA_5A-7A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B30	10	9820	2355	23.91	25.20	CA_5A-30A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B41	20	41490	2680	23.86	25.20	CA_5A-41A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B66	20	66536	2120	23.87	25.20	CA_5A-66A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B4	20	2175	2132.5	23.38	25.20	CA_7A-4A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B5	10	2450	874	23.40	25.20	CA_7A-5A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B66	20	66536	2120	23.49	25.20	CA_7A-66A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B2	20	1100	1980	23.58	25.20	CA_12A-2A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B4	20	2175	2132.5	23.44	25.20	CA_12A-4A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B66	20	66536	2120	23.59	25.20	CA_12A-66A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	1100	1980	23.80	25.20	CA_13A-2A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4	20	2175	2132.5	23.79	25.20	CA_13A-4A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66536	2120	23.82	25.20	CA_13A-66A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	1100	1980	23.62	25.20	CA_14A-2A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	23.68	25.20	CA_14A-30A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B66	20	66536	2120	23.74	25.20	CA_14A-66A
LTE B25	20	26140	1860	QPSK	1	99	8140	1940	LTE B25	20	859	1985	24.15	25.70	CA_25A-25A
LTE B25	20	26590	1905	QPSK	1	99	8590	1985	LTE B26	15	8765	866.5	23.99	25.70	CA_25A-26A
LTE B26	15	26765	821.5	QPSK	1	74	8765	866.5	LTE B25	20	8590	1985	23.73	25.20	CA_26A-25A
LTE B26	15	26765	821.5	QPSK	1	74	8765	866.5	LTE B41	20	41490	2680	23.75	25.20	CA_26A-41A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2450	874	21.41	21.90	CA_30A-5A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5330	763	21.50	21.90	CA_30A-14A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B66	20	66536	2120	21.54	21.90	CA_30A-66A
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	23.56	25.20	CA_41A-41A
LTE B41_HPUE	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	25.23	27.20	CA_41A-41A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	1100	1980	23.76	25.20	CA_66A-2A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B5	10	2450	874	23.72	25.20	CA_66A-5A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B7	20	3100	2655	23.78	25.20	CA_66A-7A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B12	10	5130	741	23.73	25.20	CA_66A-12A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B13	10	5230	751	23.72	25.20	CA_66A-13A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B14	10	5330	763	23.76	25.20	CA_66A-14A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B30	10	9820	2355	23.74	25.20	CA_66A-30A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	2300	2145	23.70	25.20	CA_66A-66A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B71	20	68836	642	23.72	25.20	CA_66A-71A
LTE B71	20	133372	688	QPSK	1	0	68836	642	LTE B4	20	2175	2132.5	23.14	25.20	CA_71A-4A
LTE B71	20	133372	688	QPSK	1	0	68836	642	LTE B66	20	66536	2120	23.17	25.20	CA_71A-66A
LTE B2	20	18902	1880.2	QPSK	1	99	902	1960.2	LTE B2	20	1100	1980	23.94	25.70	CA_2C
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B5	10	2549	833.9	23.90	25.20	CA_5B
LTE B38	20	37901	2585.1	QPSK	1	50	37901	2585.1	LTE B38	20	38099	2604.9	23.71	25.20	CA_38C
LTE B41	20	41292	2660.2	QPSK	1	0	41292	2660.2	LTE B41	20	41490	2680	23.58	25.20	CA_41C
LTE B41_HPUE	20	41292	2660.2	QPSK	1	0	41292	2660.2	LTE B41	20	41490	2680	25.21	27.20	CA_41C
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	23.77	25.20	CA_66C

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Two Component Carrier Maximum Conducted Power_sensor on_NB															
PCC									SCC				Power		Configurations
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	
LTE B2	20	18700	1860	QPSK	1	99	700	1940	LTE B2	20	1100	1980	18.08	20.00	CA_2A-2A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B4	20	2175	2132.5	18.05	20.00	CA_2A-4A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B5	10	2450	874	18.09	20.00	CA_2A-5A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B12	10	5130	741	18.09	20.00	CA_2A-12A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B13	10	5230	751	18.09	20.00	CA_2A-13A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B14	10	5330	763	18.01	20.00	CA_2A-14A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B66	20	66536	2120	18.03	20.00	CA_2A-66A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B71	20	68836	642	18.05	20.00	CA_2A-71A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B2	20	1100	1980	18.00	20.00	CA_4A-2A
LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	18.09	20.00	CA_4A-4A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2450	874	18.08	20.00	CA_4A-5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B7	20	3100	2655	18.10	20.00	CA_4A-7A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5130	741	18.10	20.00	CA_4A-12A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B13	10	5230	751	18.08	20.00	CA_4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B66	20	66536	2120	18.08	20.00	CA_4A-66A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B71	20	68836	642	18.09	20.00	CA_4A-71A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B2	20	1100	1980	22.01	24.00	CA_5A-2A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B4	20	2175	2132.5	22.08	24.00	CA_5A-4A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B5	10	2600	889	22.05	24.00	CA_5A-5A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B7	20	3100	2655	22.10	24.00	CA_5A-7A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B30	10	9820	2355	22.06	24.00	CA_5A-30A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B41	20	41490	2680	22.06	24.00	CA_5A-41A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B66	20	66536	2120	22.03	24.00	CA_5A-66A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B4	20	2175	2132.5	17.52	19.50	CA_7A-4A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B5	10	2450	874	17.57	19.50	CA_7A-5A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B66	20	66536	2120	17.53	19.50	CA_7A-66A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B2	20	1100	1980	22.03	24.00	CA_12A-2A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B4	20	2175	2132.5	22.07	24.00	CA_12A-4A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B66	20	66536	2120	22.08	24.00	CA_12A-66A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	1100	1980	22.08	24.00	CA_13A-2A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4	20	2175	2132.5	22.09	24.00	CA_13A-4A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66536	2120	22.01	24.00	CA_13A-66A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	1100	1980	22.03	24.00	CA_14A-2A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	22.02	24.00	CA_14A-30A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B66	20	66536	2120	22.01	24.00	CA_14A-66A
LTE B25	20	26140	1860	QPSK	1	99	8140	1940	LTE B25	20	859	1985	18.01	20.00	CA_25A-25A
LTE B25	20	26590	1905	QPSK	1	99	8590	1985	LTE B26	15	8765	866.5	18.09	20.00	CA_25A-26A
LTE B26	15	26765	821.5	QPSK	1	74	8765	866.5	LTE B25	20	8590	1985	22.10	24.00	CA_26A-25A
LTE B26	15	26765	821.5	QPSK	1	74	8765	866.5	LTE B41	20	41490	2680	22.01	24.00	CA_26A-41A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2450	874	17.53	19.50	CA_30A-5A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5330	763	17.56	19.50	CA_30A-14A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B66	20	66536	2120	17.54	19.50	CA_30A-66A
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	17.56	19.50	CA_41A-41A
LTE B41_HPUE	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	19.52	21.50	CA_41A-41A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	1100	1980	18.05	20.00	CA_66A-2A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B5	10	2450	874	18.10	20.00	CA_66A-5A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B7	20	3100	2655	18.08	20.00	CA_66A-7A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B12	10	5130	741	18.03	20.00	CA_66A-12A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B13	10	5230	751	18.06	20.00	CA_66A-13A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B14	10	5330	763	18.08	20.00	CA_66A-14A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B30	10	9820	2355	18.01	20.00	CA_66A-30A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	2300	2145	18.04	20.00	CA_66A-66A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B71	20	68836	642	18.09	20.00	CA_66A-71A
LTE B71	20	133372	688	QPSK	1	0	68836	642	LTE B4	20	2175	2132.5	22.04	24.00	CA_71A-4A
LTE B71	20	133372	688	QPSK	1	0	68836	642	LTE B66	20	66536	2120	22.05	24.00	CA_71A-66A
LTE B2	20	18902	1880.2	QPSK	1	99	902	1960.2	LTE B2	20	1100	1980	18.02	20.00	CA_2C
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B5	10	2549	833.9	22.08	24.00	CA_5B
LTE B38	20	37901	2585.1	QPSK	1	50	37901	2585.1	LTE B38	20	38099	2604.9	17.55	19.50	CA_38C
LTE B41	20	41292	2660.2	QPSK	1	0	41292	2660.2	LTE B41	20	41490	2680	17.57	19.50	CA_41C
LTE B41_HPUE	20	41292	2660.2	QPSK	1	0	41292	2660.2	LTE B41	20	41490	2680	19.57	21.50	CA_41C
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	18.08	20.00	CA_66C

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Two Component Carrier Maximum Conducted Power_sensor on_TB															
PCC									SCC				Power		Configurations
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	
LTE B2	20	18700	1860	QPSK	1	99	700	1940	LTE B2	20	1100	1980	12.53	14.50	CA_2A-2A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B4	20	2175	2132.5	12.58	14.50	CA_2A-4A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B5	10	2450	874	12.52	14.50	CA_2A-5A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B12	10	5130	741	12.51	14.50	CA_2A-12A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B13	10	5230	751	12.58	14.50	CA_2A-13A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B14	10	5330	763	12.59	14.50	CA_2A-14A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B66	20	66536	2120	12.51	14.50	CA_2A-66A
LTE B2	20	19100	1900	QPSK	1	99	1100	1980	LTE B71	20	68836	642	12.54	14.50	CA_2A-71A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B2	20	1100	1980	12.56	14.50	CA_4A-2A
LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	12.50	14.50	CA_4A-4A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2450	874	12.55	14.50	CA_4A-5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B7	20	3100	2655	12.53	14.50	CA_4A-7A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5130	741	12.54	14.50	CA_4A-12A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B13	10	5230	751	12.54	14.50	CA_4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B66	20	66536	2120	12.56	14.50	CA_4A-66A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B71	20	68836	642	12.55	14.50	CA_4A-71A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B2	20	1100	1980	21.06	23.00	CA_5A-2A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B4	20	2175	2132.5	21.06	23.00	CA_5A-4A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B5	10	2600	889	21.09	23.00	CA_5A-5A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B7	20	3100	2655	21.09	23.00	CA_5A-7A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B30	10	9820	2355	21.05	23.00	CA_5A-30A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B41	20	41490	2680	21.10	23.00	CA_5A-41A
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B66	20	66536	2120	21.09	23.00	CA_5A-66A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B4	20	2175	2132.5	12.51	14.50	CA_7A-4A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B5	10	2450	874	12.57	14.50	CA_7A-5A
LTE B7	20	21100	2535	QPSK	1	99	3100	2655	LTE B66	20	66536	2120	12.50	14.50	CA_7A-66A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B2	20	1100	1980	21.04	23.00	CA_12A-2A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B4	20	2175	2132.5	21.07	23.00	CA_12A-4A
LTE B12	10	23130	711	QPSK	1	49	5130	741	LTE B66	20	66536	2120	21.01	23.00	CA_12A-66A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	1100	1980	21.04	23.00	CA_13A-2A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4	20	2175	2132.5	21.07	23.00	CA_13A-4A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66536	2120	21.02	23.00	CA_13A-66A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	1100	1980	21.09	23.00	CA_14A-2A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	21.09	23.00	CA_14A-30A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B66	20	66536	2120	21.05	23.00	CA_14A-66A
LTE B25	20	26140	1860	QPSK	1	99	8140	1940	LTE B25	20	859	1985	12.55	14.50	CA_25A-25A
LTE B25	20	26590	1905	QPSK	1	99	8590	1985	LTE B26	15	8765	866.5	12.52	14.50	CA_25A-26A
LTE B26	15	26765	821.5	QPSK	1	74	8765	866.5	LTE B25	20	8590	1985	21.08	23.00	CA_26A-25A
LTE B26	15	26765	821.5	QPSK	1	74	8765	866.5	LTE B41	20	41490	2680	21.06	23.00	CA_26A-41A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2450	874	12.56	14.50	CA_30A-5A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5330	763	12.58	14.50	CA_30A-14A
LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B66	20	66536	2120	12.52	14.50	CA_30A-66A
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	12.54	14.50	CA_41A-41A
LTE B41_HPUE	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	14.54	16.50	CA_41A-41A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	1100	1980	12.52	14.50	CA_66A-2A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B5	10	2450	874	12.52	14.50	CA_66A-5A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B7	20	3100	2655	12.56	14.50	CA_66A-7A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B12	10	5130	741	12.57	14.50	CA_66A-12A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B13	10	5230	751	12.57	14.50	CA_66A-13A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B14	10	5330	763	12.56	14.50	CA_66A-14A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B30	10	9820	2355	12.52	14.50	CA_66A-30A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	2300	2145	12.53	14.50	CA_66A-66A
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B71	20	68836	642	12.55	14.50	CA_66A-71A
LTE B71	20	133372	688	QPSK	1	0	68836	642	LTE B4	20	2175	2132.5	21.08	23.00	CA_71A-4A
LTE B71	20	133372	688	QPSK	1	0	68836	642	LTE B66	20	66536	2120	21.02	23.00	CA_71A-66A
LTE B2	20	18902	1880.2	QPSK	1	99	902	1960.2	LTE B2	20	1100	1980	12.53	14.50	CA_2C
LTE B5	10	20450	829	QPSK	1	49	2450	874	LTE B5	10	2549	833.9	21.09	23.00	CA_5B
LTE B38	20	37901	2585.1	QPSK	1	50	37901	2585.1	LTE B38	20	38099	2604.9	12.51	14.50	CA_38C
LTE B41	20	41292	2660.2	QPSK	1	0	41292	2660.2	LTE B41	20	41490	2680	12.50	14.50	CA_41C
LTE B41_HPUE	20	41292	2660.2	QPSK	1	0	41292	2660.2	LTE B41	20	41490	2680	14.57	16.50	CA_41C
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	12.59	14.50	CA_66C

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LTE Downlink 3CA conducted power table

Three Component Carrier Maximum Conducted Power_sensor off																		
PCC									SCC 1				SCC 2				Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	Configurations
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	23.66	25.20	CA_41D
LTE B41_HPUE	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	25.28	27.20	CA_41D
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	23.71	25.20	CA_66D

Three Component Carrier Maximum Conducted Power_sensor on_NB																		
PCC									SCC 1				SCC 2				Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	Configurations
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	17.52	19.50	CA_41D
LTE B41_HPUE	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	19.51	21.50	CA_41D
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	18.03	20.00	CA_66D

Three Component Carrier Maximum Conducted Power_sensor on_TB																		
PCC									SCC 1				SCC 2				Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	Configurations
LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	12.55	14.50	CA_41D
LTE B41_HPUE	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	14.58	16.50	CA_41D
LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	12.59	14.50	CA_66D

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LTE CA information

A)

The device supports downlink LTE Carrier Aggregation (CA) only. It supports a maximum of 3 carriers in the downlink. Other Release 10 features or higher features are not supported, including Enhanced SC-FDMA, 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 V16.6.0. The conducted power measurement results of downlink LTE CA are provided as above per 3GPP TS 36.521-1 V16.6.0. According to KDB 941225 D05A and RF exposure procedures in TCB workshop April 2018, the downlink LTE CA SAR test is not required.

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B)

CA combination table

Index	2CC	Restriction	Completely Covered by Measurement Superset	Index	3CC	Restriction	Completely Covered by Measurement Superset
2CC #1	CA_2A-2A		No	3CC #62	CA_41D		No
2CC #2	CA_2A-4A		No	3CC #63	CA_66D		No
2CC #3	CA_2A-5A		No				
2CC #4	CA_2A-12A		No				
2CC #5	CA_2A-13A		No				
2CC #6	CA_2A-14A		No				
2CC #7	CA_2A-66A		No				
2CC #8	CA_2A-71A		No				
2CC #9	CA_4A-2A		No				
2CC #10	CA_4A-4A		No				
2CC #11	CA_4A-5A		No				
2CC #12	CA_4A-7A		No				
2CC #13	CA_4A-12A		No				
2CC #14	CA_4A-13A		No				
2CC #15	CA_4A-66A		No				
2CC #16	CA_4A-71A		No				
2CC #17	CA_5A-2A		No				
2CC #18	CA_5A-4A		No				
2CC #19	CA_5A-5A		No				
2CC #20	CA_5A-7A		No				
2CC #21	CA_5A-30A		No				
2CC #22	CA_5A-41A		No				
2CC #23	CA_5A-66A		No				
2CC #24	CA_7A-4A		No				
2CC #25	CA_7A-5A		No				
2CC #26	CA_7A-66A		No				
2CC #27	CA_12A-2A		No				
2CC #28	CA_12A-4A		No				
2CC #29	CA_12A-66A		No				
2CC #30	CA_13A-2A		No				
2CC #31	CA_13A-4A		No				
2CC #32	CA_13A-66A		No				
2CC #33	CA_14A-2A		No				
2CC #34	CA_14A-30A		No				
2CC #35	CA_14A-66A		No				
2CC #36	CA_25A-25A		No				
2CC #37	CA_25A-26A		No				
2CC #38	CA_26A-25A		No				
2CC #39	CA_26A-41A		No				
2CC #40	CA_30A-5A		No				
2CC #41	CA_30A-14A		No				
2CC #42	CA_30A-66A		No				
2CC #43	CA_41A-41A		No				
2CC #44	CA_41A-41A		No				
2CC #45	CA_66A-2A		No				
2CC #46	CA_66A-5A		No				
2CC #47	CA_66A-7A		No				
2CC #48	CA_66A-12A		No				
2CC #49	CA_66A-13A		No				
2CC #50	CA_66A-14A		No				
2CC #51	CA_66A-30A		No				
2CC #52	CA_66A-66A		No				
2CC #53	CA_66A-71A		No				
2CC #54	CA_71A-4A		No				
2CC #55	CA_71A-66A		No				
2CC #56	CA_2C		No				
2CC #57	CA_5B		No				
2CC #58	CA_38C		No				
2CC #59	CA_41C		No				
2CC #60	CA_41C		No				
2CC #61	CA_66C		No				

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Note:

1) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.521-1 V16.6.0.

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

3) Testing is not required in bands or modes not intended/allowed for US operation

4) Based on TCB workshop April 2018, only indicate “No” in CA combination table need power measurement

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1.4 Test Environment

Ambient Temperature: 22±2° C
Tissue Simulating Liquid: 22±2° C

1.5 Operation Description

For WWAN, the EUT is controlled by using a Radio Communication Tester, and the communication between the EUT and the tester is established by air link.
For WLAN, using chipset specific software to control the EUT, and makes it transmit in maximum power.
The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
For WWAN, the capacitive proximity sensor is used to trigger the power reduction when the device is operated near the user (NB mode and tablet mode). Also, the capacitive proximity sensor is collocated with WWAN antenna.
For WLAN, the device will adjust the maximum output power for different user scenario and EUT was tested based on FCC guidance.

WWAN

Notebook mode

SAR is measured with display screen open at 90 degree and bottom side of keyboard touch against the flat phantom (Reduced power).
SAR is measured with display screen open at 90 degree and bottom side of keyboard to the flat phantom with 14mm (Full power).

Tablet mode

SAR is measured with back/edges touch against the flat phantom (Reduced power)
SAR is measured with back_17mm/left_7mm/top_0mm/bottom_0mm (Full power)

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WLAN

Notebook mode

SAR is measured with display screen open at 90 degree and bottom side of keyboard touch against the flat phantom (Full power).

Tablet mode

SAR is measured with back/edges touch against the flat phantom (Reduced power)

Note:

1. During the SAR testing, the DASY 5 system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.

2. **UMTS:** The 3G SAR test reduction procedure is applied to HSDPA with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSDPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSDPA). The following 4 sub-tests were completed according to Release 5 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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

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

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

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mode (HSPA). The following 5 sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM(2) (dB)	MPR (dB)	AG(4) Index	E-TFCI
1	11/15(3)	15/15(3)	64	11/15(3)	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}: 47/15 β_{ed2}: 47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15(4)	15/15(4)	64	15/15(4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

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

4. **UMTS:** The 3G SAR test reduction procedure is applied to HSPA+ with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA+) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA+). The following 1 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 β_{hs} = 30/15 * β_c.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

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

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acceptable. Since the maximum output power in a secondary mode (DC-HSDPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (DC-HSDPA). The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0. A summary of these setting are illustrated below:

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

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.		

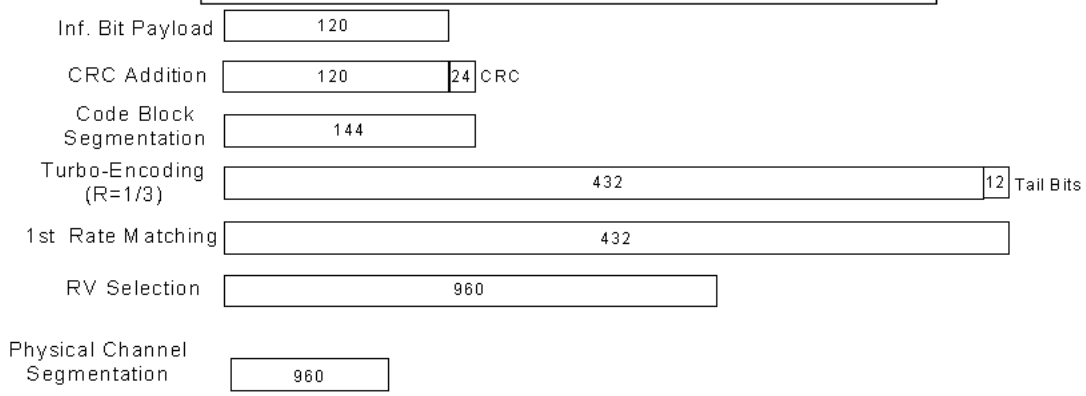

Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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.

6. **LTE:** LTE modes test according to **KDB 941225D05v02r05.**

a. Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.

- Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
- When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation

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

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

- For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.
- Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

d. Per Section 5.2.4, Higher order modulations

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- For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

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

- 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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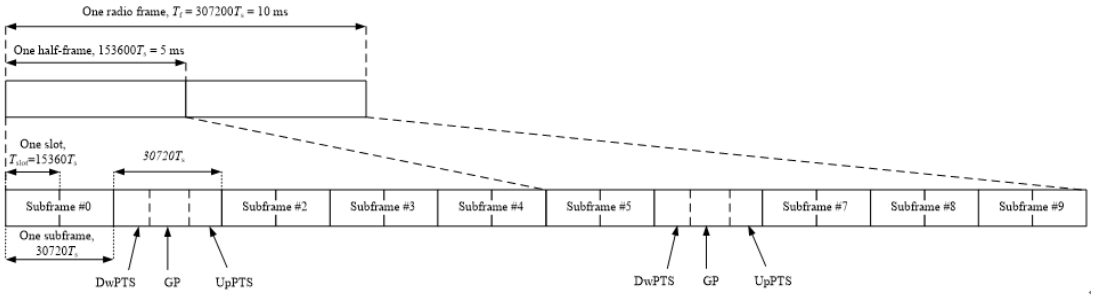

Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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 power class 3 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

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TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%. Also, TDD LTE power class 2 was tested using Uplink-Downlink configuration 1 with 4 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 43.33%

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

8. **LTE intra-band UL CA (contiguous):** The device supports LTE intra-band contiguous 2 UL CA for CA_7C, CA_38C, CA_41C. The maximum output power is measured for each UL CA configuration for the required test channels. UL PCC

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configuration is determined by the required test channel. SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band. SAR for UL CA is required in highest standalone 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.

9. **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).

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1.6 Operating modes validation by power measurement

The device is a convertible laptop computer with predefined single fixed power to each device modes.

For the operating modes validation, the measured conducted output power is monitored qualitatively to identify the triggering characteristics and recorded quantitatively.

DUT operating mode	Lid Angle description	WLAN TX state
Lid-close	0° ≤ Lid angle < 45°	No TX transmission
Notebook	45° ≤ Lid angle ≤ 200°	Full Power Level
Tablet	200° ≤ Lid angle ≤ 360°	Reduced Power Level

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1.6.1 Results and conclusion

The measured output power versus lid angle is tabulated in the following table based on the guidance from 2019-11 TCB workshop, and the triggering verification complies with the device mode / power level declared by the manufacturer.

Operating mode validation by power measurement

Antenna	Operation mode	Lid angle	802.11b	802.11a 5.2G	802.11n(40M) 5.2G	802.11ac(80M) 5.2G	802.11a 5.3G	802.11n(40M) 5.3G	802.11n(40M) 5.6G	802.11ac(80M) 5.6G	802.11n(40M) 5.8G	802.11ac(80M) 5.8G
Main	Lid close	0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		20°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		30°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	50°	16.99	14.41	14.19	13.98	14.45	14.28	14.98	14.84	13.99	13.78
		45°	16.86	14.32	14.04	13.91	14.40	14.13	14.85	14.71	13.90	13.72
	Lid close	40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		41°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		42°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		43°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		44°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	45°	16.89	14.34	14.10	13.85	14.36	14.21	14.84	14.75	13.89	13.63
		46°	16.84	14.32	14.05	13.84	14.34	14.17	14.86	14.77	13.90	13.73
		47°	16.93	14.32	14.06	13.93	14.30	14.23	14.91	14.73	13.85	13.67
		48°	16.84	14.33	14.08	13.84	14.40	14.13	14.89	14.70	13.94	13.67
		49°	16.92	14.32	14.13	13.92	14.34	14.20	14.85	14.78	13.84	13.67
		50°	16.89	14.32	14.11	13.91	14.30	14.21	14.83	14.74	13.90	13.71
		60°	16.88	14.33	14.08	13.84	14.30	14.15	14.90	14.70	13.84	13.71
		70°	16.90	14.35	14.09	13.91	14.31	14.20	14.90	14.70	13.93	13.67
		80°	16.94	14.28	14.12	13.84	14.31	14.20	14.86	14.73	13.91	13.66
		90°	16.84	14.32	14.11	13.93	14.33	14.23	14.84	14.75	13.88	13.68
		100°	16.88	14.32	14.12	13.85	14.33	14.23	14.84	14.74	13.94	13.64
		110°	16.85	14.29	14.05	13.87	14.33	14.19	14.88	14.70	13.92	13.68
		120°	16.88	14.30	14.09	13.87	14.38	14.18	14.88	14.74	13.84	13.65
		130°	16.84	14.31	14.05	13.89	14.32	14.21	14.89	14.73	13.90	13.64
		140°	16.89	14.34	14.08	13.91	14.35	14.22	14.92	14.73	13.86	13.64
		150°	16.94	14.30	14.10	13.91	14.35	14.16	14.85	14.69	13.93	13.69
		160°	16.94	14.36	14.13	13.83	14.32	14.23	14.92	14.72	13.93	13.71
		170°	16.91	14.35	14.11	13.91	14.33	14.17	14.90	14.76	13.92	13.66
		180°	16.87	14.28	14.11	13.84	14.34	14.13	14.93	14.72	13.94	13.72
		190°	16.91	14.33	14.11	13.91	14.40	14.13	14.91	14.75	13.84	13.67
	Tablet	200°	15.19	13.51	13.63	13.52	13.34	13.34	13.26	13.13	11.67	11.58
	Laptop	195°	16.93	14.26	14.10	13.92	14.39	14.21	14.93	14.79	13.85	13.67
		196°	16.92	14.26	14.10	13.86	14.37	14.16	14.92	14.71	13.93	13.66
		197°	16.92	14.35	14.10	13.88	14.36	14.13	14.87	14.79	13.84	13.64
		198°	16.90	14.30	14.11	13.91	14.40	14.23	14.86	14.74	13.90	13.67
		199°	16.90	14.26	14.14	13.90	14.32	14.21	14.89	14.76	13.90	13.69
	Tablet	200°	15.10	13.39	13.53	13.46	13.27	13.28	13.21	13.04	11.52	11.52
		201°	15.14	13.43	13.50	13.38	13.19	13.19	13.17	13.04	11.53	11.52
		202°	15.05	13.36	13.54	13.44	13.23	13.26	13.15	13.00	11.61	11.50
		203°	15.13	13.43	13.58	13.42	13.27	13.24	13.12	13.05	11.60	11.45
		204°	15.12	13.40	13.57	13.44	13.24	13.22	13.21	13.05	11.60	11.44
		205°	15.06	13.43	13.48	13.37	13.19	13.22	13.11	13.02	11.53	11.52
		215°	15.06	13.37	13.55	13.43	13.28	13.23	13.21	13.04	11.57	11.53
		225°	15.14	13.43	13.57	13.45	13.19	13.27	13.17	13.06	11.57	11.46
		235°	15.06	13.46	13.57	13.45	13.23	13.22	13.11	13.00	11.62	11.48
		245°	15.07	13.39	13.48	13.45	13.24	13.29	13.18	13.07	11.55	11.51
		255°	15.14	13.42	13.53	13.43	13.27	13.21	13.15	12.98	11.55	11.49
		265°	15.13	13.37	13.58	13.39	13.19	13.21	13.12	13.07	11.60	11.48
		275°	15.11	13.44	13.55	13.46	13.24	13.27	13.19	13.08	11.61	11.45
		285°	15.11	13.43	13.48	13.42	13.26	13.24	13.21	13.01	11.57	11.46
		295°	15.11	13.38	13.57	13.40	13.27	13.26	13.15	13.02	11.54	11.50
		305°	15.06	13.39	13.51	13.43	13.29	13.29	13.18	13.07	11.57	11.46
		315°	15.04	13.44	13.49	13.40	13.29	13.21	13.11	13.05	11.55	11.52
		325°	15.13	13.45	13.54	13.47	13.22	13.28	13.15	13.05	11.61	11.43
		335°	15.06	13.43	13.54	13.38	13.25	13.21	13.11	12.99	11.53	11.49
		345°	15.10	13.43	13.51	13.42	13.20	13.26	13.21	13.05	11.55	11.44
		355°	15.09	13.43	13.57	13.41	13.22	13.28	13.15	13.07	11.62	11.43
		360°	15.08	13.45	13.51	13.37	13.21	13.19	13.17	12.98	11.52	11.45
		350°	15.13	13.41	13.49	13.44	13.29	13.27	13.12	12.99	11.54	11.44
		340°	15.13	13.43	13.58	13.40	13.26	13.29	13.19	13.01	11.58	11.49
		330°	15.14	13.45	13.53	13.40	13.25	13.21	13.16	13.07	11.60	11.44
		320°	15.06	13.39	13.55	13.42	13.28	13.25	13.17	13.00	11.58	11.50
		310°	15.07	13.39	13.53	13.42	13.23	13.27	13.21	13.06	11.55	11.50
		300°	15.13	13.39	13.50	13.37	13.20	13.26	13.20	13.07	11.55	11.48
		290°	15.08	13.38	13.49	13.39	13.19	13.21	13.14	12.98	11.60	11.52
		280°	15.09	13.37	13.51	13.45	13.28	13.29	13.11	13.07	11.61	11.51
		270°	15.09	13.44	13.49	13.44	13.20	13.22	13.15	13.08	11.62	11.48
		260°	15.12	13.37	13.58	13.37	13.26	13.22	13.14	13.06	11.62	11.53
		250°	15.06	13.40	13.54	13.41	13.21	13.22	13.21	13.01	11.54	11.50
		240°	15.06	13.43	13.51	13.43	13.20	13.22	13.16	13.02	11.57	11.51
		230°	15.10	13.39	13.53	13.44	13.24	13.19	13.12	13.05	11.55	11.46
		220°	15.13	13.41	13.48	13.40	13.20	13.21	13.14	12.98	11.54	11.47
		210°	15.06	13.36	13.57	13.40	13.28	13.22	13.21	13.00	11.55	11.47
		200°	15.04	13.46	13.54	13.45	13.25	13.21	13.21	13.05	11.57	11.44
	Laptop	190°	16.91	14.36	14.14	13.91	14.38	14.19	14.93	14.78	13.87	13.67
		195°	16.86	14.27	14.11	13.90	14.34	14.20	14.91	14.69	13.90	13.64
	Tablet	200°	15.11	13.37	13.57	13.43	13.19	13.21	13.16	13.04	11.59	11.47
	Laptop	199°	16.93	14.31	14.13	13.84	14.35	14.19	14.92	14.77	13.85	13.67
		198°	16.93	14.27	14.08	13.90	14.32	14.14	14.87	14.74	13.88	13.71
		197°	16.92	14.29	14.06	13.90	14.39	14.14	14.83	14.73	13.93	13.71
		196°	16.92	14.27	14.12	13.92	14.37	14.13	14.90	14.76	13.90	13.68
		195°	16.87	14.27	14.08	13.89	14.31	14.17	14.89	14.69	13.87	13.73
		194°	16.89	14.30	14.14	13.92	14.37	14.19	14.86	14.70	13.90	13.64
		193°	16.89	14.34	14.11	13.89	14.32	14.16	14.87	14.72	13.86	13.67
		192°	16.87	14.35	14.11	13.87	14.37	14.22	14.86	14.70	13.84	13.70
		191°	16.87	14.32	14.14	13.91	14.34	14.18	14.89	14.76	13.89	13.72
		190°	16.92	14.33	14.08	13.86	14.33	14.16	14.87	14.76	13.90	13.70
		180°	16.89	14.32	14.09	13.83	14.32	14.14	14.89	14.71	13.86	13.68
		170°	16.91	14.31	14.08	13.92	14.32	14.16	14.88	14.77	13.85	13.73
		160°	16.88	14.27	14.06	13.91	14.32	14.23	14.85	14.77	13.93	13.66
		150°	16.91	14.32	14.12	13.84	14.35	14.22	14.93	14.76	13.93	13.64
		140°	16.87	14.29	14.04	13.92	14.31	14.19	14.85	14.79	13.89	13.72
		130°	16.88	14.36	14.13	13.87	14.37	14.19	14.89	14.73	13.84	13.71
		120°	16.88	14.30	14.08	13.87	14.39	14.20	14.86	14.72	13.91	13.64
		110°	16.93	14.34	14.12	13.83	14.40	14.23	14.88	14.71	13.94	13.70
		100°	16.86	14.36	14.14	13.86	14.37	14.17	14.87	14.73	13.93	13.70
		90°	16.88	14.33	14.05	13.84	14.32	14.15	14.85	14.78	13.86	13.64
		80°	16.84	14.33	14.05	13.92	14.35	14.16	14.92	14.75	13.88	13.68
		70°	16.86	14.27	14.10	13.88	14.39	14.18	14.88	14.72	13.86	13.72
		60°	16.91	14.28	14.06	13.89	14.40	14.23	14.89	14.76	13.94	13.63
		50°	16.84	14.28	14.12	13.90	14.32	14.20	14.83	14.74	13.92	13.65
	Lid close	40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		45°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	50°	16.88	14.35	14.14	13.93	14.35	14.20	14.88	14.69	13.92	13.68
		49°	16.90	14.36	14.10	13.91	14.31	14.23	14.85	14.75	13.88	13.70
		48°	16.87	14.30	14.12	13.88	14.31	14.15	14.89	14.74	13.90	13.70
		47°	16.86	14.26	14.06	13.90	14.38	14.20	14.88	14.71	13.86	13.64
		46°	16.91	14.32	14.10	13.91	14.36	14.20	14.84	14.69	13.90	13.64
		45°	16.84	14.34	14.12	13.89	14.37	14.13	14.92	14.78	13.90	13.72
	Lid close	44°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		43°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		42°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		41°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		30°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		20°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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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Antenna	Operation mode	Lid angle	802.11b	802.11a 5.2G	802.11n(40M) 5.2G	802.11a 5.3G	802.11n(40M) 5.3G	802.11ac(80M) 5.6G	802.11n(40M) 5.8G	802.11ac(80M) 5.8G
Aux	Lid close	0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		20°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		30°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	50°	14.96	17.49	17.49	16.99	16.95	11.98	11.99	11.90
		45°	14.87	17.40	17.42	16.88	16.82	11.92	11.90	11.82
	Lid close	40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		41°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		42°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		43°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		44°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	45°	14.84	17.40	17.34	16.89	16.89	11.83	11.86	11.77
		46°	14.91	17.41	17.40	16.88	16.89	11.92	11.93	11.79
		47°	14.90	17.43	17.42	16.92	16.85	11.84	11.89	11.76
		48°	14.85	17.40	17.39	16.88	16.82	11.93	11.92	11.75
		49°	14.88	17.42	17.38	16.90	16.83	11.87	11.94	11.82
		50°	14.90	17.43	17.42	16.87	16.83	11.88	11.88	11.78
		60°	14.85	17.36	17.40	16.84	16.84	11.84	11.92	11.77
		70°	14.86	17.39	17.36	16.88	16.80	11.87	11.87	11.80
		80°	14.90	17.44	17.44	16.90	16.86	11.84	11.90	11.76
		90°	14.82	17.43	17.35	16.93	16.88	11.85	11.94	11.79
		100°	14.82	17.38	17.44	16.93	16.89	11.84	11.84	11.78
		110°	14.81	17.39	17.43	16.92	16.86	11.88	11.91	11.84
		120°	14.86	17.42	17.39	16.88	16.90	11.84	11.88	11.84
		130°	14.89	17.36	17.41	16.84	16.87	11.92	11.87	11.83
		140°	14.88	17.41	17.35	16.92	16.83	11.92	11.91	11.85
		150°	14.84	17.41	17.43	16.87	16.81	11.91	11.85	11.84
		160°	14.84	17.44	17.41	16.89	16.85	11.93	11.89	11.81
		170°	14.85	17.35	17.38	16.92	16.87	11.84	11.89	11.83
		180°	14.81	17.43	17.40	16.85	16.82	11.85	11.91	11.77
		190°	14.85	17.37	17.36	16.84	16.85	11.89	11.94	11.85
	Tablet	200°	15.83	17.40	17.38	16.93	16.85	11.92	11.85	11.81
	Laptop	195°	14.85	17.37	17.37	16.84	16.89	11.87	11.86	11.84
		196°	14.87	17.44	17.42	16.92	16.81	11.92	11.86	11.84
		197°	14.84	17.42	17.40	16.93	16.80	11.87	11.85	11.82
		198°	14.89	17.39	17.36	16.89	16.81	11.84	11.85	11.85
		199°	14.81	17.41	17.39	16.89	16.85	11.93	11.93	11.83
	Tablet	200°	15.68	17.27	17.33	16.88	16.73	11.79	11.74	11.73
		201°	15.69	17.26	17.26	16.79	16.80	11.86	11.74	11.72
		202°	15.87	17.42	17.41	16.93	16.93	11.92	11.98	11.82
		203°	15.74	17.31	17.33	16.83	16.77	11.81	11.78	11.76
		204°	15.77	17.34	17.28	16.79	16.77	11.82	11.78	11.67
		205°	15.77	17.27	17.27	16.81	16.71	11.81	11.73	11.67
		215°	15.75	17.31	17.30	16.82	16.77	11.80	11.79	11.70
		225°	15.74	17.31	17.24	16.82	16.80	11.81	11.80	11.66
		235°	15.69	17.26	17.26	16.82	16.77	11.84	11.79	11.67
		245°	15.76	17.26	17.33	16.80	16.80	11.77	11.75	11.74
		255°	15.70	17.26	17.33	16.81	16.79	11.84	11.73	11.69
		265°	15.69	17.30	17.25	16.82	16.80	11.85	11.72	11.67
		275°	15.70	17.29	17.26	16.81	16.74	11.79	11.73	11.66
		285°	15.71	17.32	17.24	16.87	16.75	11.83	11.78	11.68
		295°	15.68	17.33	17.27	16.84	16.71	11.77	11.70	11.70
		305°	15.76	17.29	17.29	16.81	16.75	11.78	11.72	11.76
		315°	15.69	17.35	17.29	16.86	16.80	11.81	11.73	11.73
		325°	15.77	17.25	17.26	16.85	16.79	11.86	11.72	11.75
		335°	15.68	17.25	17.33	16.78	16.79	11.82	11.70	11.70
		345°	15.74	17.29	17.32	16.84	16.73	11.78	11.78	11.67
		355°	15.78	17.33	17.33	16.85	16.77	11.84	11.77	11.73
		360°	15.69	17.34	17.31	16.88	16.73	11.86	11.76	11.66
		350°	15.68	17.29	17.31	16.84	16.74	11.84	11.73	11.71
		340°	15.76	17.25	17.26	16.83	16.75	11.85	11.73	11.70
		330°	15.78	17.35	17.25	16.82	16.79	11.78	11.78	11.70
		320°	15.71	17.29	17.31	16.87	16.77	11.81	11.80	11.76
		310°	15.72	17.35	17.32	16.88	16.70	11.83	11.80	11.68
		300°	15.71	17.26	17.31	16.80	16.70	11.78	11.78	11.76
		290°	15.76	17.33	17.25	16.88	16.76	11.85	11.75	11.67
		280°	15.70	17.27	17.30	16.88	16.71	11.83	11.71	11.76
		270°	15.73	17.35	17.23	16.87	16.78	11.84	11.71	11.67
		260°	15.70	17.33	17.25	16.81	16.71	11.80	11.79	11.68
		250°	15.78	17.31	17.24	16.85	16.77	11.79	11.77	11.69
		240°	15.71	17.29	17.25	16.83	16.77	11.78	11.74	11.67
		230°	15.71	17.31	17.23	16.80	16.70	11.82	11.77	11.68
		220°	15.68	17.30	17.30	16.87	16.74	11.78	11.74	11.76
		210°	15.71	17.29	17.25	16.85	16.71	11.79	11.78	11.70
		200°	15.76	17.25	17.25	16.79	16.80	11.78	11.76	11.76
	Laptop	190°	14.89	17.38	17.40	16.92	16.87	11.92	11.93	11.76
		195°	14.87	17.40	17.38	16.86	16.83	11.90	11.93	11.76
	Tablet	200°	15.69	17.27	17.27	16.88	16.72	11.85	11.71	11.66
	Laptop	199°	14.87	17.35	17.42	16.93	16.87	11.83	11.89	11.80
		198°	14.84	17.36	17.39	16.87	16.90	11.91	11.85	11.76
		197°	14.82	17.42	17.35	16.91	16.80	11.87	11.90	11.75
		196°	14.84	17.43	17.40	16.84	16.80	11.92	11.86	11.75
		195°	14.85	17.35	17.37	16.86	16.89	11.89	11.90	11.84
		194°	14.84	17.37	17.34	16.85	16.86	11.86	11.89	11.79
		193°	14.90	17.39	17.35	16.93	16.87	11.90	11.90	11.81
		192°	14.83	17.35	17.41	16.89	16.90	11.91	11.87	11.81
		191°	14.84	17.42	17.38	16.87	16.81	11.88	11.87	11.77
		190°	14.85	17.44	17.36	16.85	16.86	11.89	11.93	11.77
		180°	14.87	17.34	17.34	16.93	16.90	11.83	11.91	11.76
		170°	14.86	17.42	17.44	16.86	16.89	11.89	11.87	11.77
		160°	14.87	17.35	17.38	16.85	16.81	11.89	11.91	11.85
		150°	14.87	17.39	17.34	16.85	16.86	11.93	11.90	11.83
		140°	14.88	17.37	17.38	16.85	16.81	11.93	11.88	11.85
		130°	14.88	17.39	17.42	16.86	16.82	11.87	11.91	11.80
		120°	14.89	17.37	17.37	16.94	16.80	11.87	11.94	11.79
		110°	14.82	17.39	17.41	16.84	16.84	11.87	11.84	11.77
		100°	14.89	17.44	17.40	16.93	16.80	11.92	11.86	11.80
		90°	14.90	17.44	17.38	16.86	16.82	11.88	11.84	11.81
		80°	14.89	17.43	17.44	16.89	16.90	11.93	11.88	11.81
		70°	14.84	17.34	17.37	16.90	16.83	11.87	11.88	11.75
		60°	14.83	17.37	17.37	16.85	16.86	11.87	11.85	11.80
		50°	14.87	17.37	17.36	16.87	16.82	11.84	11.93	11.79
	Lid close	40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		45°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	50°	14.90	17.36	17.34	16.92	16.88	11.92	11.94	11.77
		49°	14.90	17.36	17.41	16.84	16.86	11.89	11.87	11.78
		48°	14.83	17.44	17.37	16.92	16.84	11.90	11.85	11.84
		47°	14.91	17.42	17.38	16.85	16.81	11.86	11.90	11.85
		46°	14.81	17.44	17.36	16.90	16.82	11.91	11.90	11.83
		45°	14.86	17.37	17.38	16.85	16.83	11.84	11.88	11.75
	Lid close	44°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		43°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		42°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		41°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		40°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		30°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		20°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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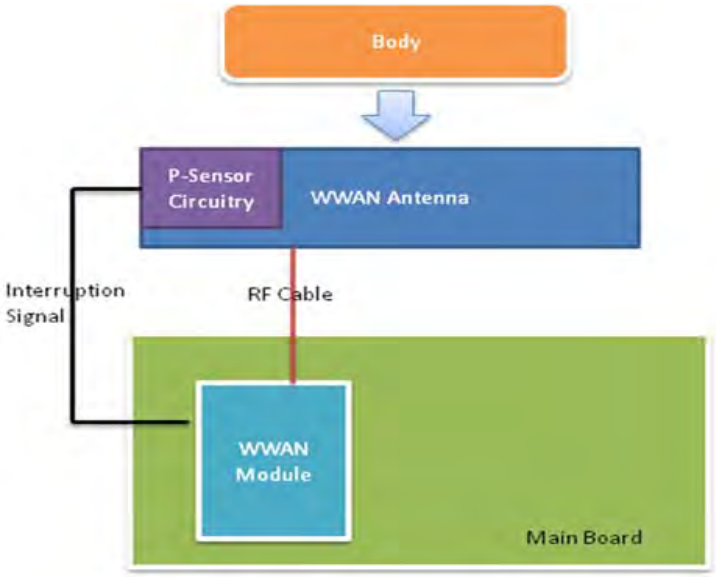
1.7 Proximity sensor operation description

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



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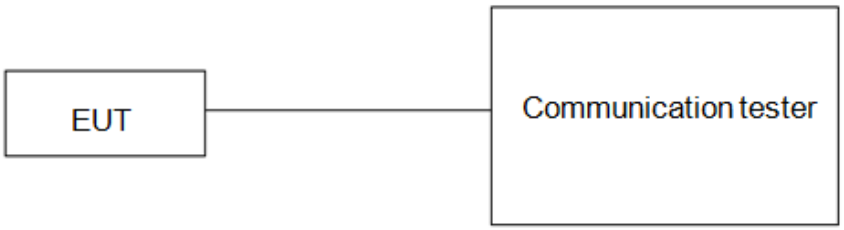
1.7.1 Proximity sensor measurement procedure

1. The proximity sensor is collocated with WWAN antenna.

2. Output power is measured, and monitored by using the base station simulator and power sensor/power meter. A RF cables with sufficient length was being attached from the antenna port of the module, and used for the measurement. The appropriate loss attenuated from cable is compensated in the test setup.



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1.7.2 Trigger distances for NB_bottom and TB_back/left side

Test procedure:

1. The entire back surface or edge of the tablet is positioned below a flat phantom filled with the required tissue equivalent medium and positioned at least 20 mm further than the distance that triggers power reduction.

2. The back surface or edge is moved toward the phantom in 3 mm steps until the sensor triggers.

3. The back surface or edge is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom

4. If the tablet is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.

5. The back surface or edge is then moved back (further away) from the phantom until maximum output power is returned to the normal maximum level.

6. The process is then reversed by moving the tablet away from the phantom to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.

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

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8. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

9. For NB_bottom, the trigger distance of proximity sensor is 15mm. For TB_back, the trigger distance of proximity sensor is 18mm. For TB_left, the trigger distance of proximity sensor is 8mm.

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1.7.3 Tilt angle testing

Test procedure:

1. The influence of table tilt angles to proximity sensor triggering is determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance determined in sections 1.6.2 by rotating the tablet around the edge next to the phantom in ≤ 10 deg increments until the tablet is +/- 45deg or more from the vertical position at 0 deg.

2. If sensor triggering is released and normal maximum output power is restored within the +/- 45deg range, the procedures in step 1) should be repeated by reducing the tablet to phantom separation distance by 1 mm until the proximity sensor no longer releases triggering, and maximum output power remains in the reduced mode.

3. The smallest separation distance determined in steps 1) and 2), minus 1 mm, is the sensor triggering distance for tablet tilt coverage. The smallest separation distance determined in sections 1.6.2, 1.6.3 minus 1 mm should be used in the SAR measurements.

4. The influence of tablet tilt angles to proximity sensor triggering is determined by positioning top and right sides, please refer to table 1.6.5 and 1.6.6.

5. After the tilt angle testing for TB_left side, the sensor is not released during +/- 45deg, so 8-1=7mm is used for SAR measurements of TB_left side.

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1.7.4 Proximity sensor coverage

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

Test procedure:

1. The back surface or edges of the tablet is positioned at a test separation distance less than or equal to the distance required for back surface or edge triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset.

2. The similar sequence of steps applied to determine sensor triggering distance in section 1.6.2 are used to verify back surface and edge sensor coverage by moving the tablet (sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the back surface or edge and the phantom.

3. After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the tablet movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.

4. The process is then repeated from the other direction, at the opposite end of maximum antenna and sensor offset, by rotating the tablet 180 degrees.

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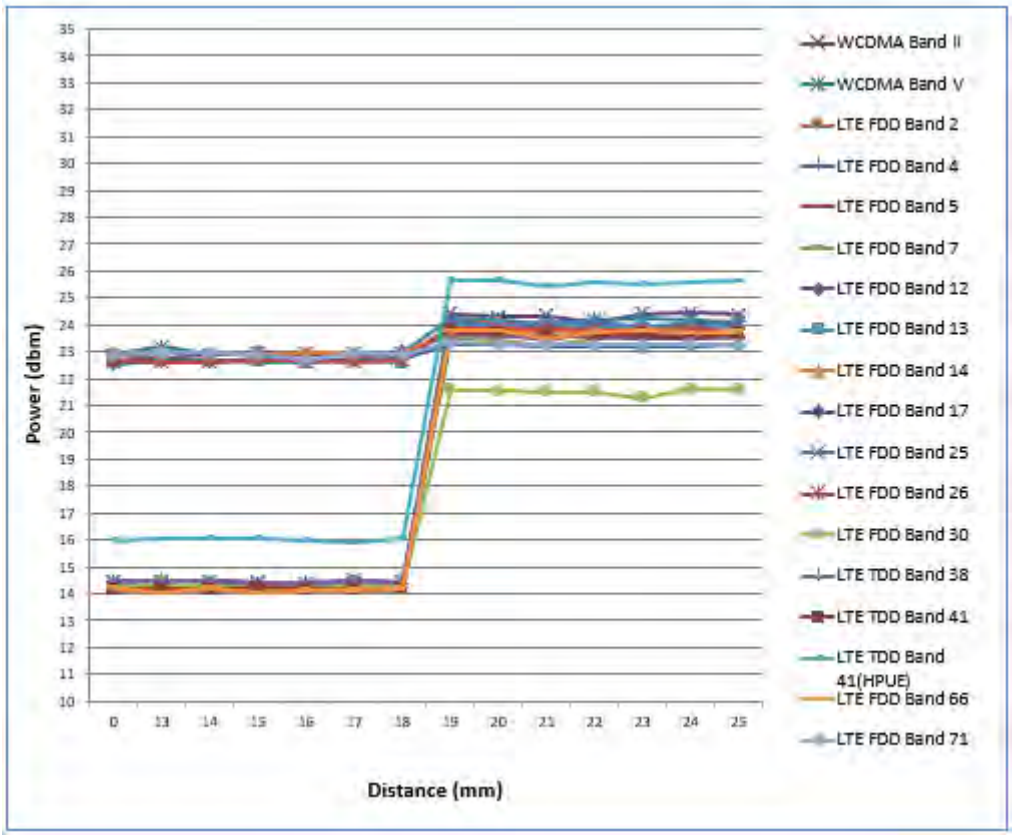
1.7.5 Results

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

Back side_Tablet mode

Moving device toward the phantom



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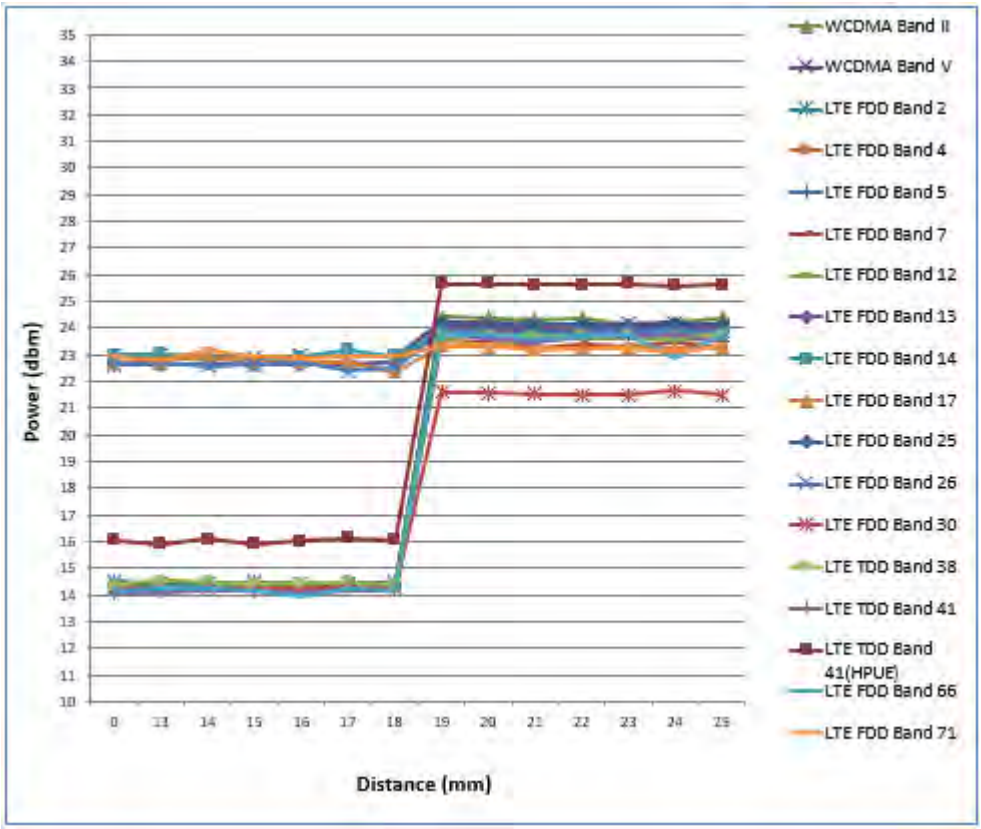
Moving device away from the phantom



For WLAN TX1_back side, the worst trigger distance of proximity sensor is 5mm, and we test backside SAR in 4mm with full power and 0mm with reduced power.
For WLAN TX2_back side, the worst trigger distance of proximity sensor is 7mm, and we test backside SAR in 6mm with full power and 0mm with reduced power.

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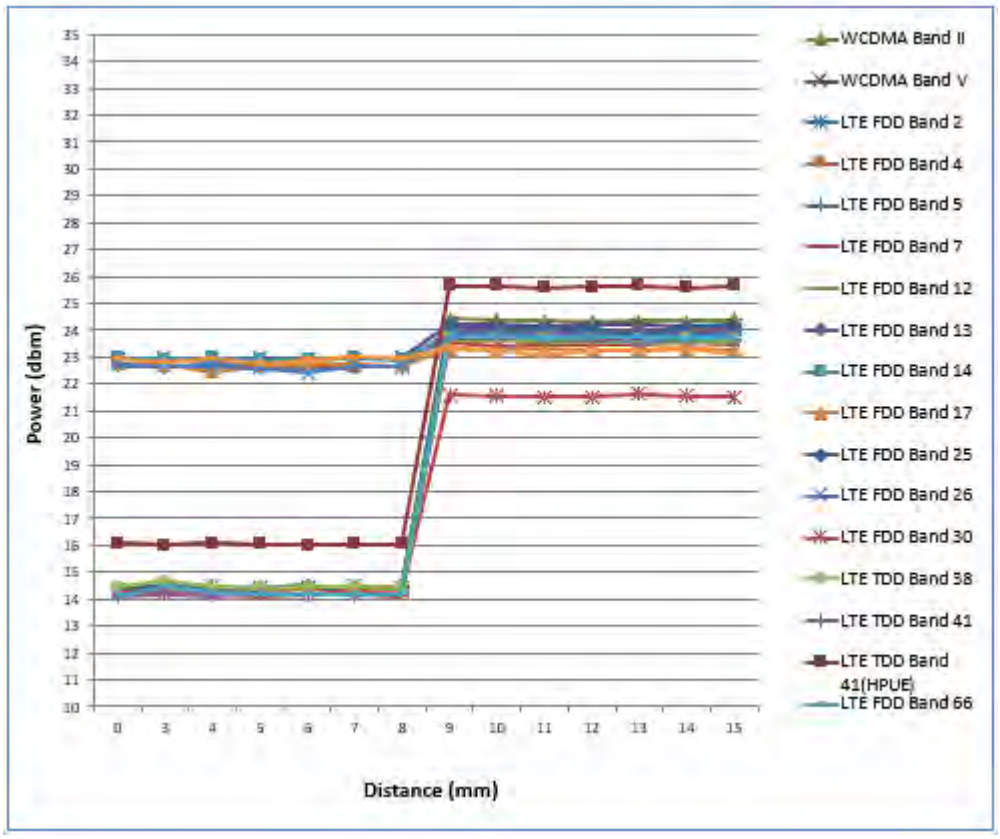
Left side_Tablet mode

Moving device toward the phantom



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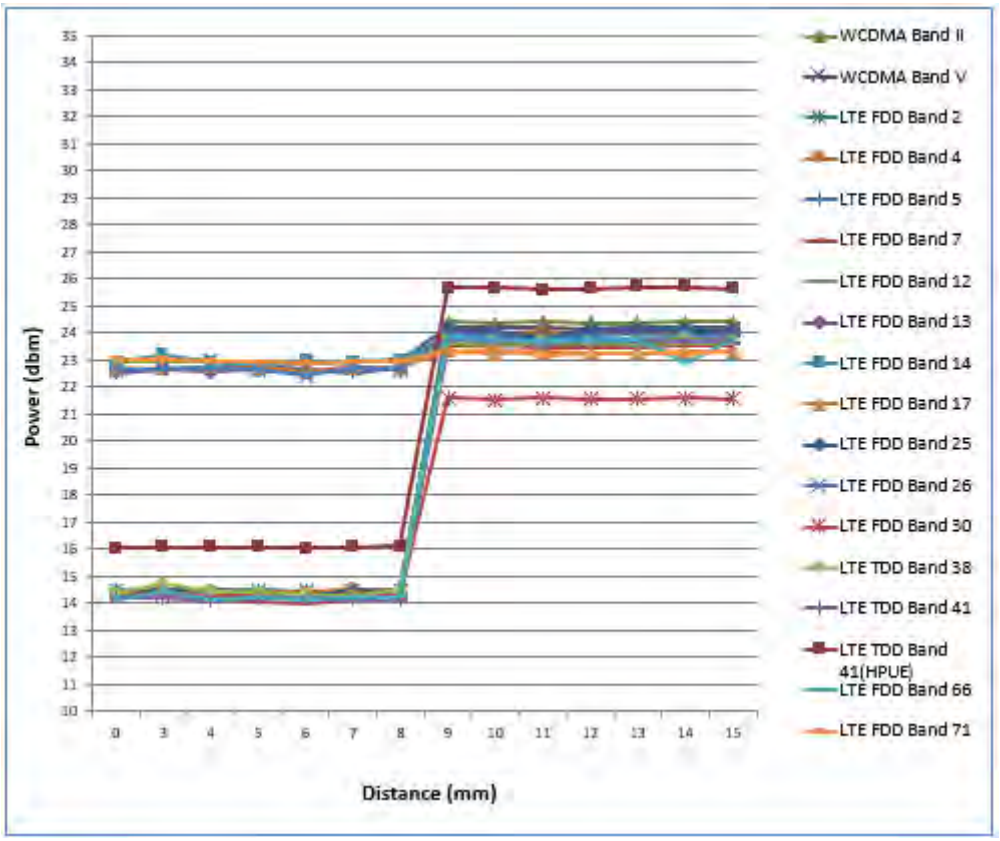
Moving device away from the phantom



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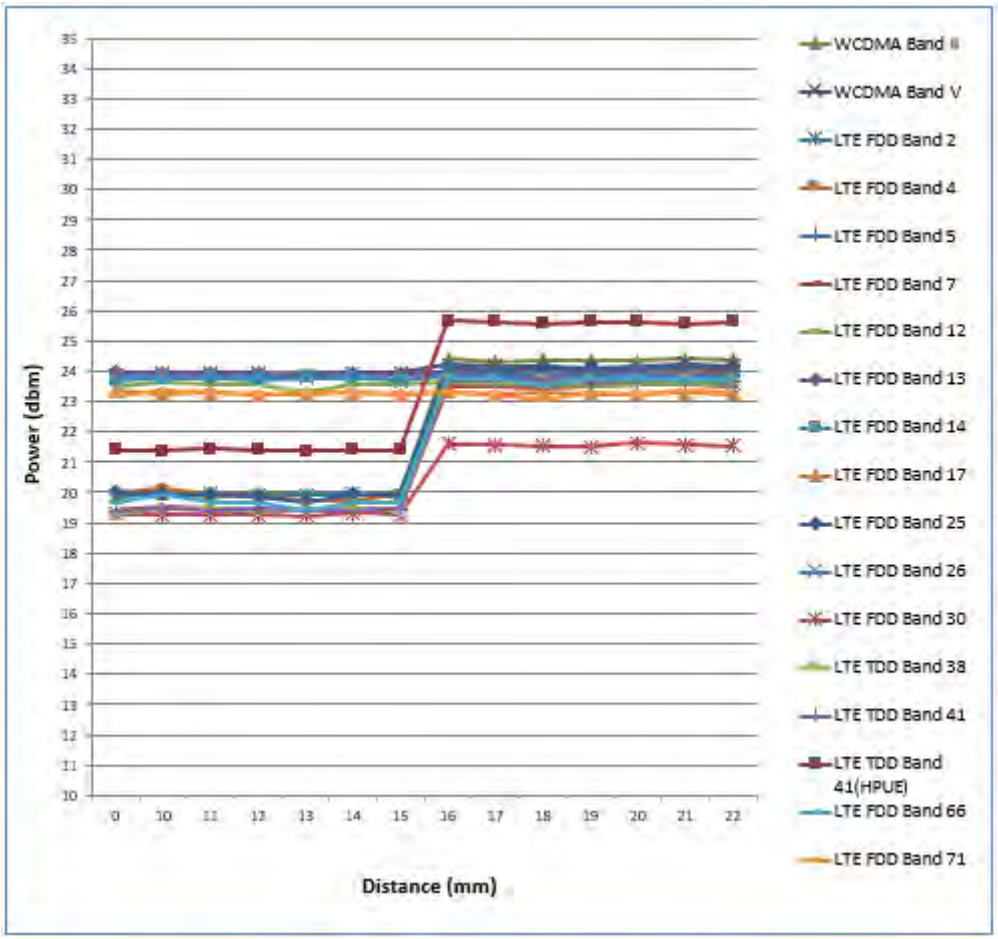
Bottom side_Notebook mode

Moving device toward the phantom



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Moving device away from the phantom

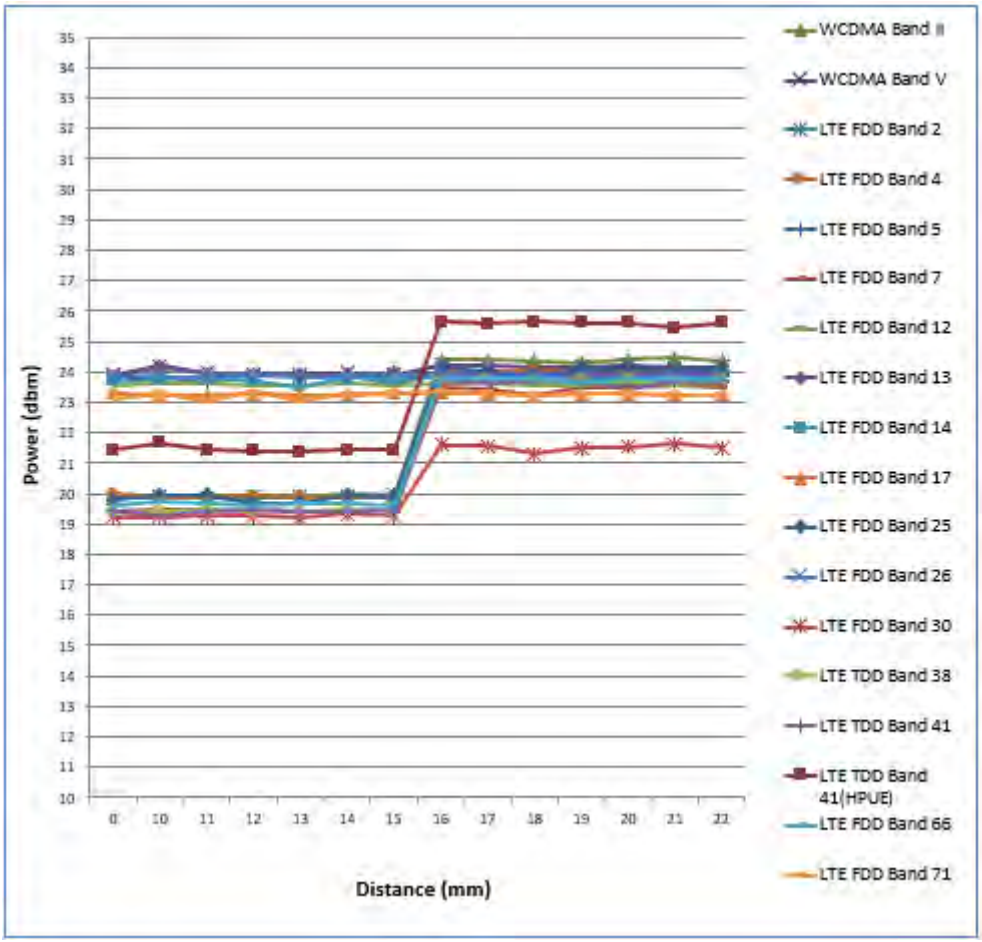

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Table 1.6.5 Tilt angle test results for TB_left side

P-sensor ON/OFF	-50 deg	-45 deg	-40 deg	-30 deg	-20 deg	-10 deg	0 deg	10 deg	20 deg	30 deg	40 deg	45 deg	50 deg
8mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

During the tilt angle testing for TB_left side, the sensor is not released in 8mm, so 8-1=7mm is used in the SAR measurement.

Note:

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

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1.7.6 Operation description for P-sensor

Power Reduction Design Specification (for P-sensor)

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

Table1-1：The P-sensor power reduction scenario table

Band	Power Reduction
WWAN	YES

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1.8 The SAR Measurement System

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

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

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

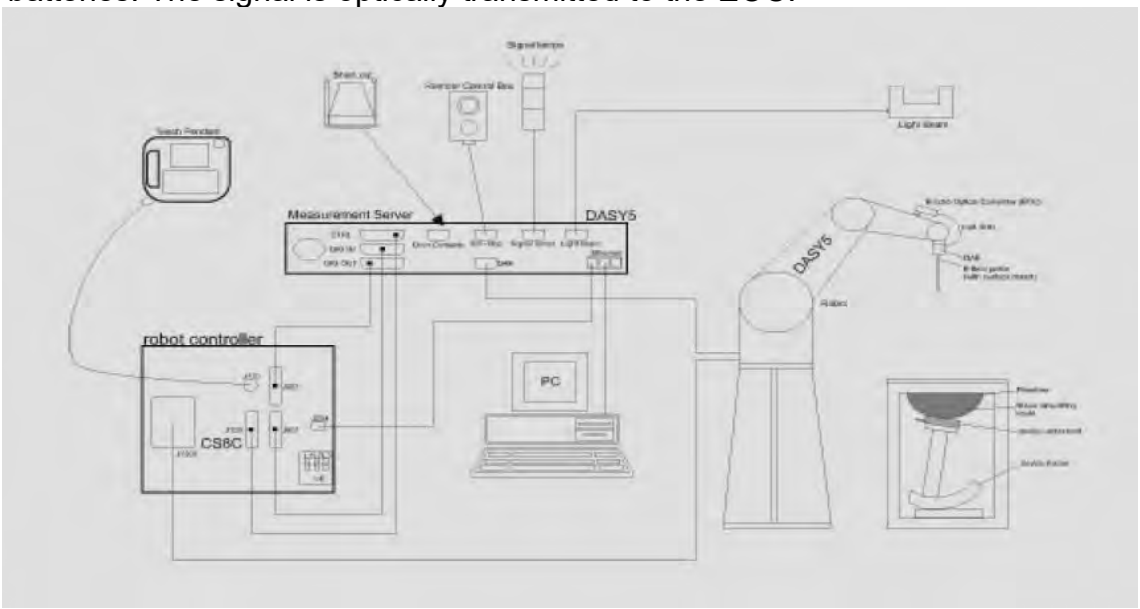

Fig. a The block diagram of SAR system

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

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1.9 System Components

EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 750/835/1750/1900/2300/2450/2600 /5200/5300/5600/5800MHz Additional CF for other liquids and frequencies upon request	
Frequency	10 MHz to > 6 GHz	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
Dimensions	Tip diameter: 2.5 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

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PHANTOM

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

DEVICE HOLDER

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

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1.10 SAR System Verification

The microwave circuit arrangement for system verification is sketched in Fig. b. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values. These tests were done at 750/835/1750/1900/2300/2450/ 2600/5200/5300/5600/5800MHz. The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed in the table 1 (SAR values are normalized to 1W forward power delivered to the dipole). During the tests, the liquid depth above the ear reference points was ≥ 15 cm ± 5 mm (frequency ≤ 3 GHz) or ≥ 10 cm ± 5 mm (frequency > 3 G Hz) in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.

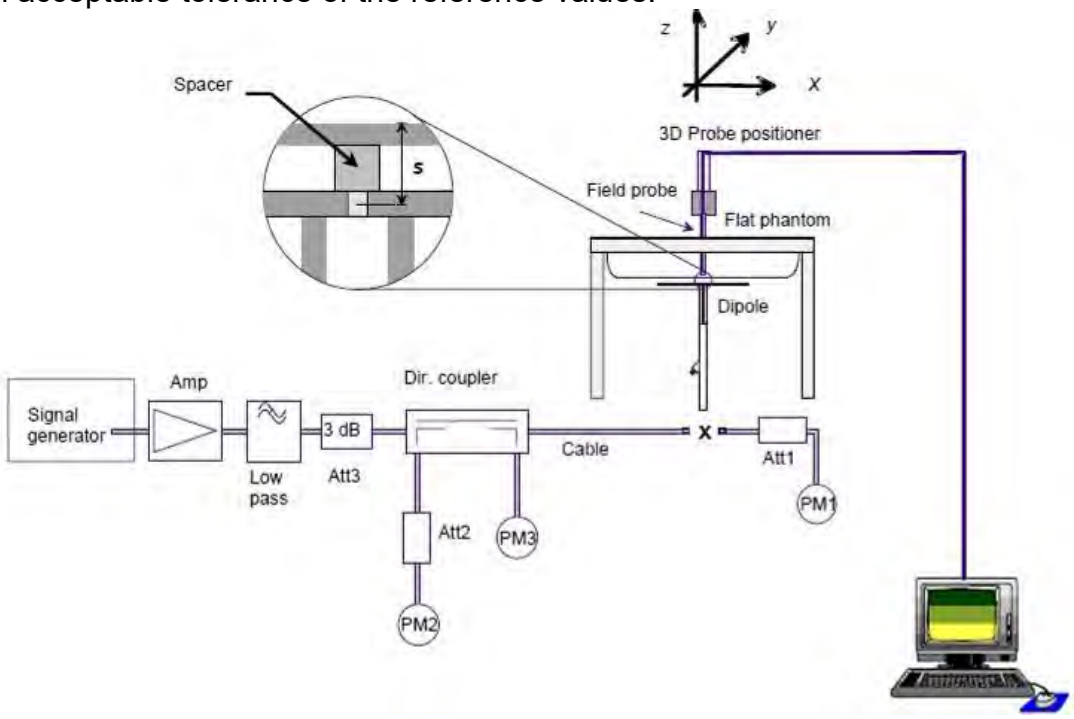

Fig. b The block diagram of system verification

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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	2.17	8.68	2.36%	Nov. 13, 2020
D750V3	1015	750	Head	8.48	2.12	8.48	0.00%	Nov. 14, 2020
D750V3	1015	750	Head	8.48	2.12	8.48	0.00%	Nov. 17, 2020
D750V3	1015	750	Head	8.48	2.13	8.52	0.47%	Dec. 22, 2020
D750V3	1015	750	Head	8.48	2.12	8.48	0.00%	Dec. 23, 2020
D835V2	4d063	835	Head	9.52	2.39	9.56	0.42%	Nov. 15, 2020
D835V2	4d063	835	Head	9.52	2.46	9.84	3.36%	Nov. 16, 2020
D835V2	4d063	835	Head	9.52	2.48	9.92	4.20%	Dec. 24, 2020
D1750V2	1008	1750	Head	36.00	8.81	35.24	-2.11%	Nov. 18, 2020
D1750V2	1008	1750	Head	36.00	8.91	35.64	-1.00%	Dec. 25, 2020
D1900V2	5d173	1900	Head	39.40	9.62	38.48	-2.34%	Nov. 19, 2020
D1900V2	5d173	1900	Head	39.40	9.68	38.72	-1.73%	Dec. 26, 2020
D2300V2	1023	2300	Head	49.00	12.10	48.40	-1.22%	Nov. 20, 2020
D2300V2	1023	2300	Head	49.00	12.10	48.40	-1.22%	Dec. 25, 2020
D2600V2	1005	2600	Head	57.30	14.80	59.20	3.32%	Nov. 21, 2020
D2600V2	1005	2600	Head	57.30	14.50	58.00	1.22%	Nov. 22, 2020
D2600V2	1005	2600	Head	57.30	14.20	56.80	-0.87%	Dec. 27, 2020
D2600V2	1005	2600	Head	57.30	14.50	58.00	1.22%	Dec. 28, 2020

Validation Kit	S/N	Frequency (MHz)		1W Target SAR-1g (mW/g)	pin=250mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D2450V2	727	2450	Head	52.6	13.60	54.4	3.42%	Dec. 14, 2020

Validation Kit	S/N	Frequency (MHz)		1W Target SAR-1g (mW/g)	Pin=100mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D5GHzV2	1023	5200	Head	80.1	8.23	82.3	2.75%	Dec. 15, 2020
		5300	Head	82.8	8.14	81.4	-1.69%	Dec. 16, 2020
		5600	Head	83.1	8.50	85	2.29%	Dec. 17, 2020
		5800	Head	81.4	8.25	82.5	1.35%	Dec. 18, 2020

Table 1. Results of system verification

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1.11 Tissue Simulant Fluid for the Frequency Band

The dielectric properties for this Head-simulant fluid were measured by using the Agilent Model 85070E Dielectric Probe (rates frequency band 200 MHz to 20 GHz) in conjunction with Network Analyzer.
All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within ± 5% of the target values.
The depth of the tissue simulant in the flat section of the phantom was ≥ 15 cm ± 5 mm (Frequency ≤3G) or ≥ 10 cm ± 5 mm (Frequency >3G) during all tests. (Fig. 2)

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	Dec, 14. 2020	2412	39.268	1.766	38.879	1.739	-0.99%	-1.54%
		2437	39.223	1.788	38.847	1.762	-0.96%	-1.48%
		2441	39.216	1.792	38.812	1.765	-1.03%	-1.51%
		2450	39.200	1.800	38.804	1.773	-1.01%	-1.50%
		2462	39.185	1.813	38.777	1.786	-1.04%	-1.49%
	Dec, 15. 2020	5190	35.997	4.645	35.853	4.610	-0.40%	-0.75%
		5200	35.986	4.655	35.847	4.621	-0.39%	-0.73%
		5210	35.974	4.665	35.845	4.634	-0.36%	-0.67%
		5220	35.963	4.676	35.826	4.641	-0.38%	-0.74%
		5230	35.951	4.686	35.818	4.652	-0.37%	-0.72%
	Dec, 16. 2020	5260	35.917	4.717	35.763	4.684	-0.43%	-0.69%
		5270	35.906	4.727	35.759	4.693	-0.41%	-0.71%
		5280	35.894	4.737	35.754	4.703	-0.39%	-0.72%
		5300	35.871	4.758	35.742	4.722	-0.36%	-0.75%
		5310	35.860	4.768	35.719	4.734	-0.39%	-0.71%
		5320	35.849	4.778	35.712	4.743	-0.38%	-0.73%
	Dec, 17. 2020	5530	35.609	4.993	35.484	4.959	-0.35%	-0.69%
		5550	35.586	5.014	35.443	4.978	-0.40%	-0.71%
		5600	35.529	5.065	35.369	5.031	-0.45%	-0.67%
		5610	35.517	5.075	35.334	5.043	-0.52%	-0.64%
		5670	35.449	5.137	35.310	5.098	-0.39%	-0.75%
		5690	35.426	5.157	35.270	5.122	-0.44%	-0.68%
		5710	35.403	5.178	35.247	5.143	-0.44%	-0.67%
	Dec, 18. 2020	5755	35.351	5.224	35.199	5.186	-0.43%	-0.73%
		5775	35.329	5.244	35.170	5.209	-0.45%	-0.67%
		5795	35.306	5.265	35.168	5.227	-0.39%	-0.72%
		5800	35.300	5.270	35.162	5.236	-0.39%	-0.65%

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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	Nov, 17. 2020	673	42.342	0.887	42.683	0.894	0.81%	0.79%
		683	42.290	0.888	42.654	0.895	0.86%	0.79%
		688	42.264	0.889	42.591	0.897	0.77%	0.90%
		750	41.942	0.893	42.261	0.903	0.76%	1.08%
	Nov, 13. 2020	704	42.181	0.890	42.501	0.898	0.76%	0.92%
		707.5	42.162	0.890	42.470	0.899	0.73%	1.00%
		711	42.144	0.890	42.464	0.900	0.76%	1.09%
		750	41.942	0.893	42.252	0.902	0.74%	0.97%
		782	41.775	0.896	42.101	0.904	0.78%	0.91%
	Nov, 14. 2020	709	42.155	0.890	42.461	0.897	0.73%	0.77%
		710	42.149	0.890	42.457	0.898	0.73%	0.87%
		711	42.144	0.890	42.448	0.899	0.72%	0.97%
		750	41.942	0.893	42.248	0.902	0.73%	0.97%
		793	41.718	0.897	42.048	0.905	0.79%	0.89%
	Nov, 15. 2020	826.4	41.545	0.899	41.868	0.904	0.78%	0.52%
		829	41.531	0.900	41.859	0.906	0.79%	0.72%
		835	41.500	0.900	41.824	0.907	0.78%	0.78%
		836.5	41.500	0.902	41.818	0.910	0.77%	0.93%
		836.6	41.500	0.902	41.815	0.910	0.76%	0.92%
		844	41.500	0.910	41.803	0.918	0.73%	0.91%
		846.6	41.500	0.912	41.795	0.921	0.71%	0.93%
	Nov, 16. 2020	821.5	41.570	0.899	41.898	0.907	0.79%	0.91%
		831.5	41.518	0.900	41.839	0.908	0.77%	0.92%
		835	41.500	0.900	41.820	0.909	0.77%	1.00%
		836.5	41.500	0.902	41.819	0.910	0.77%	0.93%
		841.5	41.500	0.907	41.815	0.915	0.76%	0.88%
	Nov, 18. 2020	1712.4	40.138	1.349	40.295	1.351	0.39%	0.13%
		1720	40.126	1.354	40.287	1.356	0.40%	0.17%
		1732.4	40.107	1.361	40.279	1.363	0.43%	0.16%
		1732.5	40.107	1.361	40.251	1.364	0.36%	0.23%
		1745	40.087	1.368	40.247	1.370	0.40%	0.13%
		1750	40.079	1.371	40.239	1.374	0.40%	0.21%
		1752.6	40.075	1.373	40.233	1.375	0.39%	0.18%
		1770	40.047	1.383	40.195	1.386	0.37%	0.22%
	Nov, 19. 2020	1852.4	40.000	1.400	40.164	1.402	0.41%	0.14%
		1860	40.000	1.400	40.159	1.403	0.40%	0.21%
		1880	40.000	1.400	40.156	1.404	0.39%	0.29%
		1882.5	40.000	1.400	40.140	1.405	0.35%	0.36%
		1900	40.000	1.400	40.132	1.407	0.33%	0.50%
		1905	40.000	1.400	40.124	1.408	0.31%	0.57%
		1907.6	40.000	1.400	40.118	1.409	0.30%	0.64%
	Nov, 20. 2020	2300	39.467	1.667	39.088	1.645	-0.96%	-1.30%
		2310	39.449	1.676	39.066	1.654	-0.97%	-1.29%
	Nov, 21. 2020	2510	39.124	1.865	38.732	1.843	-1.00%	-1.20%
		2535	39.092	1.893	38.713	1.870	-0.97%	-1.20%
		2560	39.060	1.920	38.685	1.896	-0.96%	-1.25%
		2580	39.035	1.942	38.632	1.917	-1.03%	-1.28%
		2595	39.015	1.958	38.629	1.934	-0.99%	-1.23%
		2600	39.009	1.964	38.611	1.940	-1.02%	-1.20%
		2610	38.996	1.975	38.606	1.951	-1.00%	-1.19%
	Nov, 22. 2020	2506	39.129	1.861	38.730	1.838	-1.02%	-1.24%
		2549.5	39.073	1.909	38.690	1.884	-0.98%	-1.29%
		2593	39.018	1.956	38.656	1.932	-0.93%	-1.23%
		2600	39.009	1.964	38.639	1.939	-0.95%	-1.25%
		2636.5	38.963	2.003	38.577	1.980	-0.99%	-1.17%
		2680	38.907	2.051	38.507	2.027	-1.03%	-1.17%

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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	Dec, 22. 2020	704	42.181	0.890	42.467	0.897	0.68%	0.81%
		707.5	42.162	0.890	42.441	0.898	0.66%	0.89%
		711	42.144	0.890	42.405	0.899	0.62%	0.97%
		750	41.942	0.893	42.197	0.902	0.61%	0.97%
		782	41.775	0.896	42.068	0.904	0.70%	0.91%
		793	41.718	0.897	41.993	0.906	0.66%	1.00%
	Dec, 23. 2020	673	42.342	0.887	42.634	0.895	0.69%	0.90%
		683	42.290	0.888	42.548	0.896	0.61%	0.90%
		688	42.264	0.889	42.522	0.897	0.61%	0.90%
		709	42.155	0.890	42.450	0.898	0.70%	0.88%
		710	42.149	0.890	42.444	0.899	0.70%	0.98%
		711	42.144	0.890	42.410	0.901	0.63%	1.20%
		750	41.942	0.893	42.223	0.902	0.67%	0.97%
	Dec, 24. 2020	821.5	41.570	0.899	41.840	0.905	0.65%	0.69%
		826.4	41.545	0.899	41.834	0.906	0.70%	0.74%
		829	41.531	0.900	41.814	0.907	0.68%	0.83%
		831.5	41.518	0.900	41.813	0.908	0.71%	0.92%
		835	41.500	0.900	41.803	0.909	0.73%	1.00%
		836.5	41.500	0.902	41.795	0.911	0.71%	1.04%
		836.6	41.500	0.902	41.766	0.913	0.64%	1.25%
		841.5	41.500	0.907	41.753	0.915	0.61%	0.88%
		844	41.500	0.910	41.747	0.918	0.60%	0.91%
		846.6	41.500	0.912	41.732	0.922	0.56%	1.04%
	Dec, 25. 2020	1720	40.126	1.354	40.327	1.358	0.50%	0.32%
		1732.5	40.107	1.361	40.271	1.365	0.41%	0.30%
		1745	40.087	1.368	40.269	1.372	0.45%	0.28%
		1750	40.079	1.371	40.243	1.375	0.41%	0.29%
		1770	40.047	1.383	40.235	1.387	0.47%	0.29%
	Dec, 26. 2020	1852.4	40.000	1.400	40.200	1.402	0.50%	0.14%
		1860	40.000	1.400	40.198	1.404	0.50%	0.29%
		1880	40.000	1.400	40.182	1.405	0.46%	0.36%
		1882.5	40.000	1.400	40.169	1.406	0.42%	0.43%
		1900	40.000	1.400	40.168	1.408	0.42%	0.57%
		1905	40.000	1.400	40.152	1.410	0.38%	0.71%
		1907.6	40.000	1.400	40.142	1.413	0.36%	0.93%
	Dec, 25. 2020	2300	39.467	1.667	39.033	1.642	-1.10%	-1.48%
		2310	39.449	1.676	39.019	1.652	-1.09%	-1.41%
	Dec, 27. 2020	2510	39.124	1.865	38.697	1.838	-1.09%	-1.47%
		2535	39.092	1.893	38.638	1.865	-1.16%	-1.46%
		2560	39.060	1.920	38.623	1.893	-1.12%	-1.41%
		2580	39.035	1.942	38.613	1.913	-1.08%	-1.48%
		2595	39.015	1.958	38.598	1.929	-1.07%	-1.49%
		2600	39.009	1.964	38.588	1.935	-1.08%	-1.46%
		2610	38.996	1.975	38.552	1.945	-1.14%	-1.50%
	Dec, 28. 2020	2506	39.129	1.861	38.702	1.835	-1.09%	-1.40%
		2549.5	39.073	1.909	38.651	1.881	-1.08%	-1.44%
		2593	39.018	1.956	38.581	1.927	-1.12%	-1.48%
		2600	39.009	1.964	38.564	1.934	-1.14%	-1.51%
		2636.5	38.963	2.003	38.515	1.975	-1.15%	-1.42%
		2680	38.907	2.051	38.468	2.021	-1.13%	-1.46%

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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The composition of the body tissue simulating liquid:

Frequency (MHz)	Mode	Ingredient						Total amount
		DGMBE	Water	Salt	Preventol D-7	Cellulose	Sugar	
750	Head	—	532.98 g	18.3 g	2.4 g	3.2 g	766 g	1.3L(Kg)
850	Head	—	532.98 g	18.3 g	2.4 g	3.2 g	766 g	1.3L(Kg)
1750	Head	444.52 g	552.42 g	3.06 g	—	—	—	1.0L(Kg)
1900	Head	444.52 g	552.42 g	3.06 g	—	—	—	1.0L(Kg)
2300	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
2450M	Head	550ml	450ml	—	—	—	—	1.0L(Kg)
2600	Head	550ml	450ml	—	—	—	—	1.0L(Kg)

Body Simulating Liquids for 5 GHz, Manufactured by SPEAG:

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

Table 3. Recipes for Tissue Simulating Liquid

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1.12 Evaluation Procedures

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

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

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

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

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

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

The first procedure is an extrapolation (incl. Boundary correction) to get the points

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

1.13 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:

1.13.1 Transfer Calibration with Temperature Probes

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

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

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

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

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

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

1.13.2 Calibration with Analytical Fields

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

1. The setup must enable accurate determination of the incident power.
2. The accuracy of the calculated field strength will depend on the assessment of the dielectric parameters of the liquid.

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

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1.14 Test Standards and Limits

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

1. Limits for Occupational/Controlled exposure: 0.4 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 8 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 20 W/kg, as averaged over an 10 grams of tissue (defined as a tissue volume in the shape of a cube).
2. Occupational/Controlled limits apply when persons are exposed as a consequence of their employment provided these persons are fully aware of and exercise control over their exposure. Awareness of exposure can be accomplished by use of warning labels or by specific training or education through appropriate means, such as an RF safety program in a work environment.
3. Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of

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tissue (defined as a tissue volume in the shape of a cube). General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure. Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section. (Table 4.)

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

Table 4. RF exposure limits

Notes:

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

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2. Summary of Results

2.1 Decision rules

Reported measurement data comply with IEEE 1528-2013:

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

2.2 Summary of Results

Notebook mode

WCDMA Band II / Band V (sensor off)

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	Bottom side	14	9262	1852.4	25.7	23.91	151.01%	0.595	0.898	289
	Bottom side	14	9400	1880	25.7	22.75	197.24%	0.475	0.937	-
	Bottom side	14	9538	1907.6	25.7	24.41	134.59%	0.574	0.773	-
WCDMA Band V	Bottom side	14	4132	826.4	25.2	24.22	125.31%	0.317	0.397	290
	Bottom side	14	4183	836.6	25.2	24.14	127.64%	0.288	0.368	-
	Bottom side	14	4233	846.6	25.2	24.18	126.47%	0.289	0.366	-

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 (sensor off)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1 RB	0	Bottom side	14	18700	1860	25.7	23.71	158.12%	0.648	1.025	291
				99	Bottom side	14	18900	1880	25.7	23.77	155.96%	0.546	0.852	-
					Bottom side	14	19100	1900	25.7	24.09	144.88%	0.614	0.890	-
			50 RB	0	Bottom side	14	19100	1900	24.7	23.01	147.57%	0.499	0.736	-
			100 RB		Bottom side	14	18900	1880	24.7	22.85	153.11%	0.474	0.726	-
LTE Band 4	20MHz	QPSK	1 RB	0	Bottom side	14	20050	1720	25.7	23.97	148.94%	0.441	0.657	292
					Bottom side	14	20175	1732.5	25.7	24.04	146.55%	0.400	0.586	-
				99	Bottom side	14	20300	1745	25.7	23.94	149.97%	0.338	0.507	-
			50 RB	25	Bottom side	14	20050	1720	24.7	23.10	144.54%	0.344	0.497	-
			100 RB		Bottom side	14	20050	1720	24.7	23.05	146.22%	0.331	0.484	-
LTE Band 5	10MHz	QPSK	1 RB	25	Bottom side	14	20525	836.5	25.2	23.84	136.77%	0.288	0.394	-
					Bottom side	14	20600	844	25.2	23.74	139.96%	0.280	0.392	-
				49	Bottom side	14	20450	829	25.2	23.95	133.35%	0.296	0.395	293
			25 RB	12	Bottom side	14	20600	844	24.2	22.87	135.83%	0.224	0.304	-
			50 RB		Bottom side	14	20450	829	24.2	22.79	138.36%	0.246	0.340	-
LTE Band 7	20MHz	QPSK	1 RB	99	Bottom side	14	20850	2510	25.2	23.40	151.36%	0.644	0.975	-
					Bottom side	14	21100	2535	25.2	23.52	147.23%	0.689	1.014	-
					Bottom side	14	21350	2560	25.2	23.46	149.28%	0.709	1.058	294
			50 RB	25	Bottom side	14	20850	2510	24.2	22.40	151.36%	0.447	0.677	-
					Bottom side	14	21100	2535	24.2	22.51	147.57%	0.549	0.810	-
					Bottom side	14	21350	2560	24.2	22.49	148.25%	0.435	0.645	-
			100 RB		Bottom side	14	20850	2510	24.2	22.39	151.71%	0.472	0.716	-
					Bottom side	14	21100	2535	24.2	22.50	147.91%	0.552	0.816	-
					Bottom side	14	21350	2560	24.2	22.33	153.82%	0.450	0.692	-
7C	20MHz	QPSK	1 RB	99	Bottom side	14	20850	2510	25.2	23.36	152.76%	0.601	0.918	-
LTE Band 12	10MHz	QPSK	1 RB	49	Bottom side	14	23095	707.5	25.2	23.49	148.25%	0.334	0.495	-
					Bottom side	14	23060	704	25.2	23.48	148.59%	0.335	0.498	-
					Bottom side	14	23130	711	25.2	23.62	143.88%	0.351	0.505	295
			25 RB	25	Bottom side	14	23130	711	24.2	22.70	141.25%	0.276	0.390	-
			50 RB		Bottom side	14	23130	711	24.2	22.52	147.23%	0.280	0.412	-
LTE Band 13	10MHz	QPSK	1 RB	0	Bottom side	14	23230	782	25.2	23.98	132.43%	0.349	0.462	296
				25	Bottom side	14	23230	782	25.2	23.64	143.22%	0.342	0.490	-
				49	Bottom side	14	23230	782	25.2	23.68	141.91%	0.340	0.482	-
			25 RB	0	Bottom side	14	23230	782	24.2	22.90	134.90%	0.279	0.376	-
			50 RB		Bottom side	14	23230	782	24.2	22.71	140.93%	0.275	0.388	-
LTE Band 14	10MHz	QPSK	1 RB	0	Bottom side	14	23330	793	25.2	23.81	137.72%	0.341	0.470	-
				25	Bottom side	14	23330	793	25.2	23.63	143.55%	0.342	0.491	297
				49	Bottom side	14	23330	793	25.2	23.64	143.22%	0.336	0.481	-
			25 RB	0	Bottom side	14	23330	793	24.2	22.79	138.36%	0.278	0.385	-
			50 RB		Bottom side	14	23330	793	24.2	22.62	143.88%	0.275	0.396	-
LTE Band 17	10MHz	QPSK	1 RB	25	Bottom side	14	23780	709	25.2	23.23	157.40%	0.317	0.499	-
					Bottom side	14	23790	710	25.2	23.31	154.53%	0.330	0.510	298
					Bottom side	14	23800	711	25.2	23.27	155.96%	0.326	0.508	-
				49	Bottom side	14	23800	711	25.2	23.27	155.96%	0.246	0.384	-
			25 RB	0	Bottom side	14	23790	710	24.2	22.29	155.24%	0.262	0.407	-
			50 RB		Bottom side	14	23780	709	24.2	22.27	155.96%	0.266	0.415	-
LTE Band 25	20MHz	QPSK	1 RB	99	Bottom side	14	26140	1860	25.7	23.85	153.11%	0.421	0.645	-
					Bottom side	14	26365	1882.5	25.7	23.85	153.11%	0.567	0.868	-
					Bottom side	14	26590	1905	25.7	24.15	142.89%	0.576	0.823	299
			50 RB	50	Bottom side	14	26590	1905	24.7	23.01	147.57%	0.490	0.723	-
			100 RB		Bottom side	14	26590	1905	24.7	22.94	149.97%	0.479	0.718	-
LTE Band 26	15MHz	QPSK	1 RB	0	Bottom side	14	26865	831.5	25.2	23.78	138.68%	0.282	0.391	300
				36	Bottom side	14	26965	841.5	25.2	23.77	139.00%	0.266	0.370	-
				74	Bottom side	14	26765	821.5	25.2	23.88	135.52%	0.281	0.381	-
			36 RB	18	Bottom side	14	26765	821.5	24.2	22.95	133.35%	0.247	0.329	-
			75 RB		Bottom side	14	26765	821.5	24.2	22.90	134.90%	0.227	0.306	-
LTE Band 30	10MHz	QPSK	1 RB	0	Bottom side	14	27710	2310	21.9	21.59	107.40%	0.558	0.599	-
				25	Bottom side	14	27710	2310	21.9	21.55	108.39%	0.551	0.597	-
				49	Bottom side	14	27710	2310	21.9	21.56	108.14%	0.563	0.609	301
			25 RB	25	Bottom side	14	27710	2310	20.9	20.64	106.17%	0.456	0.484	-
			50 RB		Bottom side	14	27710	2310	20.9	20.58	107.65%	0.445	0.479	-

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LTE TDD Band 38 / Band 41 / LTE FDD Band 66 / Band 71 (sensor off)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 38	20MHz	QPSK	1 RB	50	Bottom side	14	38000	2595	25.2	23.74	139.96%	0.528	0.739	-
					Bottom side	14	38150	2610	25.2	23.64	143.22%	0.546	0.782	302
				99	Bottom side	14	37850	2580	25.2	23.69	141.58%	0.531	0.752	-
			50 RB	0	Bottom side	14	38000	2595	24.2	22.79	138.36%	0.434	0.600	-
			100 RB		Bottom side	14	37850	2580	24.2	22.87	135.83%	0.426	0.579	-
38C	20MHz	QPSK	1 RB	99	Bottom side	14	37850	2580	25.2	23.50	147.91%	0.503	0.744	-
LTE Band 41	20MHz	QPSK	1 RB	0	Bottom side	14	39750	2506	25.2	23.51	147.57%	0.402	0.593	-
					Bottom side	14	40185	2549.5	25.2	23.63	143.55%	0.425	0.610	-
					Bottom side	14	41055	2636.5	25.2	23.58	145.21%	0.503	0.730	303
					Bottom side	14	41490	2680	25.2	23.73	140.28%	0.479	0.672	-
				50	Bottom side	14	40620	2593	25.2	23.64	143.22%	0.486	0.696	-
			50 RB	0	Bottom side	14	39750	2506	24.2	22.63	143.55%	0.332	0.477	-
			100 RB		Bottom side	14	40620	2593	24.2	22.62	143.88%	0.403	0.580	-
41C	20MHz	QPSK	1 RB	0	Bottom side	14	39750	2506	25.2	23.58	145.21%	0.384	0.558	-
LTE Band 41 (HPUE)	20MHz	QPSK	1 RB	0	Bottom side	14	39750	2506	27.2	25.46	149.28%	0.409	0.611	-
					Bottom side	14	40185	2549.5	27.2	25.59	144.88%	0.439	0.636	-
					Bottom side	14	41055	2636.5	27.2	25.52	147.23%	0.552	0.813	304
					Bottom side	14	41490	2680	27.2	25.66	142.56%	0.536	0.764	-
				50	Bottom side	14	40620	2593	27.2	25.64	143.22%	0.501	0.718	-
			50 RB	0	Bottom side	14	39750	2506	26.2	24.61	144.21%	0.373	0.538	-
			100 RB		Bottom side	14	40620	2593	26.2	24.55	146.22%	0.408	0.597	-
41C	20MHz	QPSK	1 RB	0	Bottom side	14	39750	2506	27.2	25.30	154.88%	0.511	0.791	-
LTE Band 66	20MHz	QPSK	1 RB	0	Bottom side	14	132072	1720	25.2	23.79	138.36%	0.472	0.653	305
					Bottom side	14	132322	1745	25.2	23.69	141.58%	0.333	0.471	-
					Bottom side	14	132572	1770	25.2	23.70	141.25%	0.392	0.554	-
				50	Bottom side	14	132322	1745	25.2	23.69	141.58%	0.343	0.486	-
			50 RB	0	Bottom side	14	132572	1770	24.2	22.80	138.04%	0.338	0.467	-
			100 RB		Bottom side	14	132572	1770	24.2	22.79	138.36%	0.336	0.465	-
LTE Band 71	20MHz	QPSK	1 RB	0	Bottom side	14	133222	673	25.2	23.29	155.24%	0.335	0.520	-
					Bottom side	14	133372	688	25.2	23.33	153.82%	0.362	0.557	306
				50	Bottom side	14	133222	673	25.2	23.29	155.24%	0.349	0.542	-
				99	Bottom side	14	133322	683	25.2	23.29	155.24%	0.355	0.551	-
			50 RB	0	Bottom side	14	133372	688	24.2	22.28	155.60%	0.282	0.439	-
			100 RB		Bottom side	14	133222	673	24.2	22.27	155.96%	0.280	0.437	-

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WCDMA Band II / Band V (sensor on)

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	Bottom side	0	9262	1852.4	20	19.57	110.41%	0.990	1.093	307
	Bottom side*	0	9262	1852.4	20	19.57	110.41%	0.981	1.083	-
	Bottom side	0	9400	1880	20	19.15	121.62%	0.787	0.957	-
	Bottom side	0	9538	1907.6	20	19.97	100.69%	0.962	0.969	-
WCDMA Band V	Bottom side	0	4132	826.4	24	23.99	100.23%	1.080	1.082	-
	Bottom side	0	4183	836.6	24	23.89	102.57%	1.050	1.077	-
	Bottom side	0	4233	846.6	24	23.95	101.16%	1.120	1.133	308
	Bottom side*	0	4233	846.6	24	23.95	101.16%	1.080	1.093	-

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

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 (sensor on)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1 RB	0	Bottom side	0	18700	1860	20	19.52	111.69%	1.030	1.150	309
					Bottom side*	0	18700	1860	20	19.52	111.69%	0.995	1.111	-
				99	Bottom side	0	18900	1880	20	19.57	110.41%	0.700	0.773	-
					Bottom side	0	19100	1900	20	19.97	100.69%	0.957	0.964	-
			50 RB	0	Bottom side	0	19100	1900	19	18.99	100.23%	0.758	0.760	-
			100 RB		Bottom side	0	19100	1900	19	18.72	106.66%	0.724	0.772	-
LTE Band 4	20MHz	QPSK	1 RB	0	Bottom side	0	20050	1720	20	19.84	103.75%	0.794	0.824	310
				50	Bottom side	0	20175	1732.5	20	19.93	101.62%	0.691	0.702	-
					Bottom side	0	20300	1745	20	19.87	103.04%	0.719	0.741	-
			50 RB	50	Bottom side	0	20050	1720	19	19.00	100.00%	0.572	0.572	-
			100 RB		Bottom side	0	20050	1720	19	18.98	100.46%	0.600	0.603	-
LTE Band 5	10MHz	QPSK	1 RB	25	Bottom side	0	20525	836.5	24	23.84	103.75%	1.030	1.069	-
					Bottom side	0	20600	844	24	23.74	106.17%	1.050	1.115	-
				49	Bottom side	0	20450	829	24	23.95	101.16%	1.060	1.072	311
					Bottom side*	0	20450	829	24	23.95	101.16%	1.010	1.022	-
			25 RB	12	Bottom side	0	20450	829	23	22.84	103.75%	0.631	0.655	-
					Bottom side	0	20525	836.5	23	22.80	104.71%	0.656	0.687	-
					Bottom side	0	20600	844	23	22.87	103.04%	0.864	0.890	-
			50 RB		Bottom side	0	20450	829	23	22.79	104.95%	0.966	1.014	-
					Bottom side	0	20525	836.5	23	22.73	106.41%	0.837	0.891	-
					Bottom side	0	20600	844	23	22.70	107.15%	0.624	0.669	-
LTE Band 7	20MHz	QPSK	1 RB	99	Bottom side	0	20850	2510	19.5	19.31	104.47%	1.000	1.045	-
					Bottom side	0	21100	2535	19.5	19.49	100.23%	1.039	1.041	-
					Bottom side	0	21350	2560	19.5	19.26	105.68%	1.040	1.099	312
					Bottom side*	0	21350	2560	19.5	19.26	105.68%	1.010	1.067	-
			50 RB	0	Bottom side	0	21100	2535	18.5	18.45	101.16%	0.775	0.784	-
			100 RB		Bottom side	0	21100	2535	18.5	18.43	101.62%	0.780	0.793	-
7C	20MHz	QPSK	1 RB		Bottom side	0	20850	2510	19.5	19.27	105.44%	0.991	1.045	-
LTE Band 12	10MHz	QPSK	1 RB	25	Bottom side	0	23095	707.5	24	23.49	112.46%	0.955	1.074	-
					Bottom side	0	23060	704	24	23.48	112.72%	0.956	1.078	-
				49	Bottom side	0	23130	711	24	23.62	109.14%	1.000	1.091	313
					Bottom side*	0	23130	711	24	23.62	109.14%	0.993	1.084	-
			25 RB	0	Bottom side	0	23095	707.5	23	22.51	111.94%	0.818	0.916	-
				25	Bottom side	0	23060	704	23	22.53	111.43%	0.859	0.957	-
					Bottom side	0	23130	711	23	22.70	107.15%	0.872	0.934	-
			50 RB		Bottom side	0	23060	704	23	22.43	114.02%	0.816	0.930	-
					Bottom side	0	23095	707.5	23	22.51	111.94%	0.779	0.872	-
					Bottom side	0	23130	711	23	22.52	111.69%	0.937	1.047	-
LTE Band 13	10MHz	QPSK	1 RB	0	Bottom side	0	23230	782	24	23.98	100.46%	1.030	1.035	314
					Bottom side*	0	23230	782	24	23.98	100.46%	1.010	1.015	-
				25	Bottom side	0	23230	782	24	23.64	108.64%	1.000	1.086	-
				49	Bottom side	0	23230	782	24	23.68	107.65%	0.997	1.073	-
			25 RB	0	Bottom side	0	23230	782	23	22.90	102.33%	0.846	0.866	-
				12	Bottom side	0	23230	782	23	22.87	103.04%	0.662	0.682	-
				25	Bottom side	0	23230	782	23	22.81	104.47%	0.631	0.659	-
			50 RB		Bottom side	0	23230	782	23	22.71	106.91%	0.847	0.905	-
LTE Band 14	10MHz	QPSK	1 RB	0	Bottom side	0	23330	793	24	23.81	104.47%	1.090	1.139	315
					Bottom side*	0	23330	793	24	23.81	104.47%	1.090	1.139	-
				25	Bottom side	0	23330	793	24	23.63	108.89%	1.050	1.143	-
				49	Bottom side	0	23330	793	24	23.64	108.64%	1.020	1.108	-
			25 RB	0	Bottom side	0	23330	793	23	22.79	104.95%	0.856	0.898	-
				12	Bottom side	0	23330	793	23	22.69	107.40%	0.606	0.651	-
				25	Bottom side	0	23330	793	23	22.69	107.40%	0.767	0.824	-
			50 RB		Bottom side	0	23330	793	23	22.62	109.14%	0.853	0.931	-
LTE Band 17	10MHz	QPSK	1 RB	25	Bottom side	0	23780	709	24	23.23	119.40%	0.967	1.155	-
					Bottom side	0	23790	710	24	23.31	117.22%	1.009	1.183	-
					Bottom side	0	23800	711	24	23.27	118.30%	1.010	1.195	316
					Bottom side*	0	23800	711	24	23.27	118.30%	0.995	1.177	-
			25 RB	0	Bottom side	0	23780	709	23	22.27	118.30%	0.798	0.944	-
					Bottom side	0	23790	710	23	22.29	117.76%	0.825	0.972	-
				12	Bottom side	0	23800	711	23	22.28	118.03%	0.797	0.941	-
			50 RB		Bottom side	0	23780	709	23	22.27	118.30%	0.821	0.971	-
					Bottom side	0	23790	710	23	22.26	118.58%	0.656	0.778	-
					Bottom side	0	23800	711	23	22.26	118.58%	0.719	0.853	-
LTE Band 25	20MHz	QPSK	1 RB	0	Bottom side	0	26140	1860	20	19.48	112.72%	1.050	1.184	317
					Bottom side*	0	26140	1860	20	19.48	112.72%	0.998	1.125	-
				99	Bottom side	0	26365	1882.5	20	19.71	106.91%	0.879	0.940	-
					Bottom side	0	26590	1905	20	19.98	100.46%	0.974	0.978	-
			50 RB	50	Bottom side	0	26590	1905	19	18.80	104.71%	0.749	0.784	-
			100 RB		Bottom side	0	26590	1905	19	18.69	107.40%	0.739	0.794	-
LTE Band 26	15MHz	QPSK	1 RB	0	Bottom side	0	26865	831.5	24	23.78	105.20%	0.951	1.000	318
					Bottom side*	0	26865	831.5	24	23.78	105.20%	0.944	0.993	-
				36	Bottom side	0	26965	841.5	24	23.77	105.44%	0.935	0.986	-
				74	Bottom side	0	26765	821.5	24	23.88	102.80%	0.902	0.927	-
			36 RB	18	Bottom side	0	26765	821.5	23	22.95	101.16%	0.760	0.769	-
			75 RB		Bottom side	0	26765	821.5	23	22.90	102.33%	0.756	0.774	-
LTE Band 30	10MHz	QPSK	1 RB	0	Bottom side	0	27710	2310	19.5	19.24	106.17%	0.917	0.974	319
					Bottom side*	0	27710	2310	19.5	19.24	106.17%	0.909	0.965	-
				25	Bottom side	0	27710	2310	19.5	19.31	104.47%	0.907	0.948	-
				49	Bottom side	0	27710	2310	19.5	19.29	104.95%	0.916	0.961	-
			25 RB	25	Bottom side	0	27710	2310	18.5	18.37	103.04%	0.751	0.774	-
			50 RB		Bottom side	0	27710	2310	18.5	18.30	104.71%	0.743	0.778	-

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LTE TDD Band 38 / Band 41 / LTE FDD Band 66 / Band 71 (sensor on)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 38	20MHz	QPSK	1 RB	0	Bottom side	0	38000	2595	19.5	19.48	100.46%	0.753	0.756	-
				99	Bottom side	0	37850	2580	19.5	19.43	101.62%	0.745	0.757	-
					Bottom side	0	38150	2610	19.5	19.45	101.16%	0.766	0.775	320
			50 RB	0	Bottom side	0	38000	2595	18.5	18.49	100.23%	0.612	0.613	-
				50	Bottom side	0	38150	2610	18.5	18.49	100.23%	0.639	0.640	-
			100 RB		Bottom side	0	37850	2580	18.5	18.47	100.69%	0.600	0.604	-
38C	20MHz	QPSK	1 RB	99	Bottom side	0	37850	2580	19.5	19.34	103.75%	0.743	0.771	-
LTE Band 41	20MHz	QPSK	1 RB	0	Bottom side	0	40185	2549.5	19.5	19.46	100.93%	0.673	0.679	-
					Bottom side	0	40620	2593	19.5	19.42	101.86%	0.714	0.727	-
					Bottom side	0	41055	2636.5	19.5	19.47	100.69%	0.826	0.832	-
					Bottom side	0	41490	2680	19.5	19.45	101.16%	0.830	0.840	321
					Bottom side*	0	41490	2680	19.5	19.45	101.16%	0.822	0.832	-
				50	Bottom side	0	39750	2506	19.5	19.33	103.99%	0.644	0.670	-
			50 RB	25	Bottom side	0	41055	2636.5	18.5	18.49	100.23%	0.667	0.669	-
			100 RB		Bottom side	0	41055	2636.5	18.5	18.48	100.46%	0.666	0.669	-
41C	20MHz	QPSK	1 RB	50	Bottom side	0	39750	2506	19.5	19.36	103.28%	0.811	0.838	-
LTE Band 41 (HPUE)	20MHz	QPSK	1 RB	0	Bottom side	0	40185	2549.5	21.5	21.44	101.39%	0.668	0.677	-
					Bottom side	0	40620	2593	21.5	21.33	103.99%	0.716	0.745	-
					Bottom side	0	41055	2636.5	21.5	21.47	100.69%	0.832	0.838	-
					Bottom side	0	41490	2680	21.5	21.44	101.39%	0.836	0.848	-
				50	Bottom side	0	39750	2506	21.5	21.33	103.99%	0.649	0.675	322
					Bottom side*	0	39750	2506	21.5	21.33	103.99%	0.831	0.864	-
			50 RB	25	Bottom side	0	41055	2636.5	20.5	20.41	102.09%	0.713	0.728	-
			100 RB		Bottom side	0	41055	2636.5	20.5	20.45	101.16%	0.698	0.706	-
41C	20MHz	QPSK	1 RB	50	Bottom side	0	39750	2506	21.5	21.35	103.51%	0.812	0.841	-
LTE Band 66	20MHz	QPSK	1 RB	0	Bottom side	0	132572	1770	20	19.65	108.39%	0.826	0.895	323
					Bottom side*	0	132572	1770	20	19.65	108.39%	0.810	0.878	-
				50	Bottom side	0	132072	1720	20	19.68	107.65%	0.707	0.761	-
					Bottom side	0	132322	1745	20	19.72	106.66%	0.726	0.774	-
			50 RB	0	Bottom side	0	132322	1745	19	18.79	104.95%	0.683	0.717	-
			100 RB		Bottom side	0	132072	1720	19	18.74	106.17%	0.586	0.622	-
LTE Band 71	20MHz	QPSK	1 RB	0	Bottom side	0	133222	673	24	23.29	117.76%	0.935	1.101	-
					Bottom side	0	133372	688	24	23.33	116.68%	0.920	1.073	-
				50	Bottom side	0	133222	673	24	23.29	117.76%	0.936	1.102	324
					Bottom side*	0	133222	673	24	23.29	117.76%	0.914	1.076	-
				99	Bottom side	0	133322	683	24	23.29	117.76%	0.925	1.089	-
			50 RB	0	Bottom side	0	133322	683	23	22.26	118.58%	0.640	0.759	-
					Bottom side	0	133372	688	23	22.28	118.03%	0.784	0.925	-
				25	Bottom side	0	133222	673	23	22.24	119.12%	0.782	0.932	-
			100 RB		Bottom side	0	133222	673	23	22.27	118.30%	0.745	0.882	-
					Bottom side	0	133322	683	23	22.21	119.95%	0.615	0.738	-
					Bottom side	0	133372	688	23	22.26	118.58%	0.750	0.889	-

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Tablet mode

WCDMA Band II / Band V (sensor off)

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	Back side	17	9262	1852.4	25.7	23.91	151.01%	0.568	0.858	-
	Back side	17	9400	1880	25.7	22.75	197.24%	0.482	0.951	-
	Back side	17	9538	1907.6	25.7	24.41	134.59%	0.754	1.015	325
	Top side	0	9538	1907.6	25.7	24.41	134.59%	0.154	0.207	-
	Bottom side	0	9538	1907.6	25.7	24.41	134.59%	0.052	0.070	-
	Left side	7	9538	1907.6	25.7	24.41	134.59%	0.410	0.552	-
WCDMA Band V	Back side	17	4132	826.4	25.2	24.22	125.31%	0.292	0.366	326
	Back side	17	4183	836.6	25.2	24.14	127.64%	0.273	0.348	-
	Back side	17	4233	846.6	25.2	24.18	126.47%	0.288	0.364	-
	Top side	0	4132	826.4	25.2	24.22	125.31%	0.085	0.107	-
	Bottom side	0	4132	826.4	25.2	24.22	125.31%	0.045	0.056	-
	Left side	7	4132	826.4	25.2	24.22	125.31%	0.135	0.169	-

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 (sensor off)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1 RB	0	Back side	17	18900	1880	25.7	23.86	152.76%	0.539	0.823	-
				99	Back side	17	18700	1860	25.7	24.04	146.55%	0.501	0.734	-
					Back side	17	19100	1900	25.7	24.09	144.88%	0.678	0.982	327
					Top side	0	19100	1900	25.7	24.09	144.88%	0.314	0.455	-
					Bottom side	0	19100	1900	25.7	24.09	144.88%	0.059	0.085	-
					Left side	7	19100	1900	25.7	24.09	144.88%	0.491	0.711	-
			50 RB	0	Back side	17	18700	1860	24.7	23.07	145.55%	0.518	0.754	-
					Top side	0	18700	1860	24.7	23.07	145.55%	0.234	0.341	-
					Bottom side	0	18700	1860	24.7	23.07	145.55%	0.037	0.054	-
					Left side	7	18700	1860	24.7	23.07	145.55%	0.415	0.604	-
			100 RB		Back side	17	18900	1880	24.7	22.85	153.11%	0.467	0.715	-
					Top side	0	18900	1880	24.7	22.85	153.11%	0.239	0.366	-
					Bottom side	0	18900	1880	24.7	22.85	153.11%	0.030	0.046	-
					Left side	7	18900	1880	24.7	22.85	153.11%	0.413	0.632	-
LTE Band 4	20MHz	QPSK	1 RB	0	Back side	17	20050	1720	25.7	23.97	148.94%	0.782	1.165	328
					Back side	17	20175	1732.5	25.7	24.04	146.55%	0.755	1.106	-
					Top side	0	20175	1732.5	25.7	24.04	146.55%	0.186	0.273	-
					Bottom side	0	20175	1732.5	25.7	24.04	146.55%	0.132	0.193	-
					Left side	7	20175	1732.5	25.7	24.04	146.55%	0.205	0.300	-
				99	Back side	17	20300	1745	25.7	23.94	149.97%	0.488	0.732	-
			50 RB	0	Back side	17	20175	1732.5	24.7	23.01	147.57%	0.451	0.666	-
				25	Back side	17	20050	1720	24.7	23.10	144.54%	0.585	0.846	-
					Back side	17	20175	1732.5	24.7	23.01	147.57%	0.515	0.760	-
					Back side	17	20300	1745	24.7	22.99	148.25%	0.549	0.814	-
					Top side	0	20050	1720	24.7	23.10	144.54%	0.136	0.197	-
					Bottom side	0	20050	1720	24.7	23.10	144.54%	0.105	0.152	-
					Left side	7	20050	1720	24.7	23.10	144.54%	0.143	0.207	-
			100 RB		Back side	17	20050	1720	24.7	23.05	146.22%	0.576	0.842	-
					Back side	17	20175	1732.5	24.7	22.92	150.66%	0.539	0.812	-
					Back side	17	20300	1745	24.7	22.91	151.01%	0.540	0.815	-
					Top side	0	20050	1720	24.7	23.05	146.22%	0.130	0.190	-
					Bottom side	0	20050	1720	24.7	23.05	146.22%	0.102	0.149	-
					Left side	7	20050	1720	24.7	23.05	146.22%	0.122	0.178	-
LTE Band 5	10MHz	QPSK	1 RB	25	Back side	17	20525	836.5	25.2	23.84	136.77%	0.267	0.365	329
					Back side	17	20600	844	25.2	23.74	139.96%	0.262	0.367	-
				49	Back side	17	20450	829	25.2	23.95	133.35%	0.259	0.345	-
					Top side	0	20450	829	25.2	23.95	133.35%	0.089	0.119	-
					Bottom side	0	20450	829	25.2	23.95	133.35%	0.036	0.047	-
					Left side	7	20450	829	25.2	23.95	133.35%	0.116	0.155	-
			25 RB	12	Back side	17	20600	844	24.2	22.87	135.83%	0.215	0.292	-
					Top side	0	20600	844	24.2	22.87	135.83%	0.059	0.080	-
					Bottom side	0	20600	844	24.2	22.87	135.83%	0.024	0.033	-
					Left side	7	20600	844	24.2	22.87	135.83%	0.090	0.122	-
			50 RB		Back side	17	20450	829	24.2	22.79	138.36%	0.219	0.303	-
					Top side	0	20450	829	24.2	22.79	138.36%	0.054	0.075	-
					Bottom side	0	20450	829	24.2	22.79	138.36%	0.023	0.032	-
					Left side	7	20450	829	24.2	22.79	138.36%	0.091	0.126	-
LTE Band 7	20MHz	QPSK	1 RB	99	Back side	17	20850	2510	25.2	23.40	151.36%	0.565	0.855	-
					Back side	17	21100	2535	25.2	23.52	147.23%	0.655	0.964	330
					Back side	17	21350	2560	25.2	23.46	149.28%	0.633	0.945	-
					Top side	0	21100	2535	25.2	23.52	147.23%	0.109	0.160	-
					Bottom side	0	21100	2535	25.2	23.52	147.23%	0.111	0.163	-
					Left side	7	21100	2535	25.2	23.52	147.23%	0.409	0.602	-
			50 RB	25	Back side	17	20850	2510	24.2	22.40	151.36%	0.529	0.801	-
					Back side	17	21100	2535	24.2	22.51	147.57%	0.549	0.810	-
					Back side	17	21350	2560	24.2	22.49	148.25%	0.486	0.721	-
					Top side	0	21100	2535	24.2	22.51	147.57%	0.125	0.184	-
					Bottom side	0	21100	2535	24.2	22.51	147.57%	0.114	0.168	-
					Left side	7	21100	2535	24.2	22.51	147.57%	0.368	0.543	-
			100 RB		Back side	17	20850	2510	24.2	22.39	151.71%	0.483	0.733	-
					Back side	17	21100	2535	24.2	22.50	147.91%	0.552	0.816	-
					Back side	17	21350	2560	24.2	22.33	153.82%	0.527	0.811	-
					Top side	0	21100	2535	24.2	22.50	147.91%	0.126	0.186	-
					Bottom side	0	21100	2535	24.2	22.50	147.91%	0.113	0.167	-
					Left side	7	21100	2535	24.2	22.50	147.91%	0.365	0.540	-
7C	20MHz	QPSK	1 RB	99	Back side	17	20850	2510	25.2	23.36	152.76%	0.554	0.846	-
LTE Band 12	10MHz	QPSK	1 RB	25	Back side	17	23095	707.5	25.2	23.49	148.25%	0.490	0.726	331
				49	Back side	17	23060	704	25.2	23.48	148.59%	0.488	0.725	-
					Back side	17	23130	711	25.2	23.62	143.88%	0.407	0.586	-
					Top side	0	23130	711	25.2	23.62	143.88%	0.036	0.052	-
					Bottom side	0	23130	711	25.2	23.62	143.88%	0.036	0.052	-
					Left side	7	23130	711	25.2	23.62	143.88%	0.350	0.504	-
			25 RB	25	Back side	17	23130	711	24.2	22.70	141.25%	0.401	0.566	-
					Top side	0	23130	711	24.2	22.70	141.25%	0.021	0.030	-
					Bottom side	0	23130	711	24.2	22.70	141.25%	0.021	0.030	-
					Left side	7	23130	711	24.2	22.70	141.25%	0.295	0.417	-
			50 RB		Back side	17	23130	711	24.2	22.52	147.23%	0.401	0.590	-
					Top side	0	23130	711	24.2	22.52	147.23%	0.020	0.029	-
					Bottom side	0	23130	711	24.2	22.52	147.23%	0.018	0.027	-
					Left side	7	23130	711	24.2	22.52	147.23%	0.294	0.433	-
LTE Band 13	10MHz	QPSK	1 RB	0	Back side	17	23230	782	25.2	23.98	132.43%	0.289	0.383	332
					Top side	0	23230	782	25.2	23.98	132.43%	0.023	0.030	-
					Bottom side	0	23230	782	25.2	23.98	132.43%	0.022	0.029	-
					Left side	7	23230	782	25.2	23.98	132.43%	0.213	0.282	-
				25	Back side	17	23230	782	25.2	23.64	143.22%	0.267	0.382	-
				49	Back side	17	23230	782	25.2	23.68	141.91%	0.278	0.394	-
			25 RB	0	Back side	17	23230	782	24.2	22.90	134.90%	0.227	0.306	-
					Top side	0	23230	782	24.2	22.90	134.90%	0.012	0.016	-
					Bottom side	0	23230	782	24.2	22.90	134.90%	0.011	0.015	-
					Left side	7	23230	782	24.2	22.90	134.90%	0.162	0.219	-
			50 RB		Back side	17	23230	782	24.2	22.71	140.93%	0.218	0.307	-
					Top side	0	23230	782	24.2	22.71	140.93%	0.011	0.016	-
					Bottom side	0	23230	782	24.2	22.71	140.93%	0.012	0.017	-
					Left side	7	23230	782	24.2	22.71	140.93%	0.167	0.235	-

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LTE FDD Band 14 / Band 17 / Band 25 / Band 26 / Band 30 (sensor off)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 14	10MHz	QPSK	1 RB	0	Back side	17	23330	793	25.2	23.81	137.72%	0.264	0.364	-
					Top side	0	23330	793	25.2	23.81	137.72%	0.021	0.029	-
					Bottom side	0	23330	793	25.2	23.81	137.72%	0.020	0.028	-
					Left side	7	23330	793	25.2	23.81	137.72%	0.208	0.286	-
				25	Back side	17	23330	793	25.2	23.63	143.55%	0.274	0.393	333
				49	Back side	17	23330	793	25.2	23.64	143.22%	0.268	0.384	-
			25 RB	0	Back side	17	23330	793	24.2	22.79	138.36%	0.222	0.307	-
					Top side	0	23330	793	24.2	22.79	138.36%	0.013	0.018	-
					Bottom side	0	23330	793	24.2	22.79	138.36%	0.012	0.017	-
					Left side	7	23330	793	24.2	22.79	138.36%	0.150	0.208	-
			50 RB		Back side	17	23330	793	24.2	22.62	143.88%	0.223	0.321	-
					Top side	0	23330	793	24.2	22.62	143.88%	0.011	0.016	-
					Bottom side	0	23330	793	24.2	22.62	143.88%	0.014	0.020	-
					Left side	7	23330	793	24.2	22.62	143.88%	0.154	0.222	-
LTE Band 17	10MHz	QPSK	1 RB	25	Back side	17	23780	709	25.2	23.23	157.40%	0.472	0.743	-
					Back side	17	23790	710	25.2	23.31	154.53%	0.481	0.743	334
					Back side	17	23800	711	25.2	23.27	155.96%	0.461	0.719	-
					Top side	0	23790	710	25.2	23.31	154.53%	0.042	0.065	-
					Bottom side	0	23790	710	25.2	23.31	154.53%	0.039	0.060	-
					Left side	7	23790	710	25.2	23.31	154.53%	0.328	0.507	-
				49	Back side	17	23800	711	25.2	23.27	155.96%	0.470	0.733	-
			25 RB	0	Back side	17	23790	710	24.2	22.29	155.24%	0.383	0.595	-
					Top side	0	23790	710	24.2	22.29	155.24%	0.030	0.047	-
					Bottom side	0	23790	710	24.2	22.29	155.24%	0.028	0.043	-
					Left side	7	23790	710	24.2	22.29	155.24%	0.270	0.419	-
			50 RB		Back side	17	23780	709	24.2	22.27	155.96%	0.393	0.613	-
					Top side	0	23780	709	24.2	22.27	155.96%	0.031	0.048	-
					Bottom side	0	23780	709	24.2	22.27	155.96%	0.027	0.042	-
					Left side	7	23780	709	24.2	22.27	155.96%	0.271	0.423	-
LTE Band 25	20MHz	QPSK	1 RB	99	Back side	17	26140	1860	25.7	23.85	153.11%	0.538	0.824	-
					Back side	17	26365	1882.5	25.7	23.85	153.11%	0.525	0.804	-
					Back side	17	26590	1905	25.7	24.15	142.89%	0.727	1.039	335
					Top side	0	26590	1905	25.7	24.15	142.89%	0.434	0.620	-
					Bottom side	0	26590	1905	25.7	24.15	142.89%	0.076	0.109	-
					Left side	7	26590	1905	25.7	24.15	142.89%	0.502	0.717	-
			50 RB	25	Back side	17	26365	1882.5	24.7	22.79	155.24%	0.430	0.668	-
				50	Back side	17	26140	1860	24.7	22.83	153.82%	0.427	0.657	-
					Back side	17	26365	1882.5	24.7	22.79	155.24%	0.573	0.890	-
					Back side	17	26590	1905	24.7	23.01	147.57%	0.576	0.850	-
					Top side	0	26590	1905	24.7	23.01	147.57%	0.375	0.553	-
					Bottom side	0	26590	1905	24.7	23.01	147.57%	0.063	0.093	-
					Left side	7	26590	1905	24.7	23.01	147.57%	0.456	0.673	-
			100 RB		Back side	17	26140	1860	24.7	22.75	156.68%	0.409	0.641	-
					Back side	17	26365	1882.5	24.7	22.81	154.53%	0.433	0.669	-
					Back side	17	26590	1905	24.7	22.94	149.97%	0.536	0.804	-
					Top side	0	26590	1905	24.7	22.94	149.97%	0.381	0.571	-
					Bottom side	0	26590	1905	24.7	22.94	149.97%	0.068	0.102	-
					Left side	7	26590	1905	24.7	22.94	149.97%	0.459	0.688	-
LTE Band 26	15MHz	QPSK	1 RB	0	Back side	17	26865	831.5	25.2	23.78	138.68%	0.286	0.397	336
				36	Back side	17	26965	841.5	25.2	23.77	139.00%	0.271	0.377	-
				74	Back side	17	26765	821.5	25.2	23.88	135.52%	0.273	0.370	-
					Top side	0	26765	821.5	25.2	23.88	135.52%	0.081	0.110	-
					Bottom side	0	26765	821.5	25.2	23.88	135.52%	0.039	0.053	-
					Left side	7	26765	821.5	25.2	23.88	135.52%	0.120	0.163	-
			36 RB	18	Back side	17	26765	821.5	24.2	22.95	133.35%	0.228	0.304	-
					Top side	0	26765	821.5	24.2	22.95	133.35%	0.062	0.083	-
					Bottom side	0	26765	821.5	24.2	22.95	133.35%	0.033	0.044	-
					Left side	7	26765	821.5	24.2	22.95	133.35%	0.086	0.115	-
			75 RB		Back side	17	26765	821.5	24.2	22.90	134.90%	0.227	0.306	-
					Top side	0	26765	821.5	24.2	22.90	134.90%	0.065	0.088	-
					Bottom side	0	26765	821.5	24.2	22.90	134.90%	0.030	0.040	-
					Left side	7	26765	821.5	24.2	22.90	134.90%	0.089	0.120	-
LTE Band 30	10MHz	QPSK	1 RB	0	Back side	17	27710	2310	21.9	21.59	107.40%	0.875	0.940	337
					Back side*	17	27710	2310	21.9	21.59	107.40%	0.871	0.935	-
				25	Back side	17	27710	2310	21.9	21.55	108.39%	0.858	0.930	-
				49	Back side	17	27710	2310	21.9	21.56	108.14%	0.806	0.872	-
					Top side	0	27710	2310	21.9	21.56	108.14%	0.093	0.101	-
					Bottom side	0	27710	2310	21.9	21.56	108.14%	0.339	0.367	-
					Left side	7	27710	2310	21.9	21.56	108.14%	0.543	0.587	-
			25 RB	25	Back side	17	27710	2310	20.9	20.64	106.17%	0.655	0.695	-
					Top side	0	27710	2310	20.9	20.64	106.17%	0.074	0.079	-
					Bottom side	0	27710	2310	20.9	20.64	106.17%	0.270	0.287	-
					Left side	7	27710	2310	20.9	20.64	106.17%	0.395	0.419	-
			50 RB		Back side	17	27710	2310	20.9	20.58	107.65%	0.644	0.693	-
					Top side	0	27710	2310	20.9	20.58	107.65%	0.072	0.078	-
					Bottom side	0	27710	2310	20.9	20.58	107.65%	0.260	0.280	-
					Left side	7	27710	2310	20.9	20.58	107.65%	0.385	0.414	-

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

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LTE TDD Band 38 / Band 41 / LTE FDD Band 66 / Band 71 (sensor off)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 38	20MHz	QPSK	1 RB	50	Back side	17	38000	2595	25.2	23.74	139.96%	0.338	0.473	-
					Top side	0	38000	2595	25.2	23.74	139.96%	0.371	0.519	-
					Top side	0	38150	2610	25.2	23.64	143.22%	0.386	0.553	338
					Bottom side	0	38000	2595	25.2	23.74	139.96%	0.036	0.051	-
					Left side	7	38000	2595	25.2	23.74	139.96%	0.245	0.343	-
				99	Top side	0	37850	2580	25.2	23.69	141.58%	0.279	0.395	-
			50 RB	0	Back side	17	38000	2595	24.2	22.79	138.36%	0.276	0.382	-
					Top side	0	38000	2595	24.2	22.79	138.36%	0.288	0.398	-
					Bottom side	0	38000	2595	24.2	22.79	138.36%	0.030	0.041	-
					Left side	7	38000	2595	24.2	22.79	138.36%	0.210	0.291	-
			100 RB		Back side	17	37850	2580	24.2	22.87	135.83%	0.289	0.393	-
					Top side	0	37850	2580	24.2	22.87	135.83%	0.253	0.344	-
					Bottom side	0	37850	2580	24.2	22.87	135.83%	0.031	0.043	-
					Left side	7	37850	2580	24.2	22.87	135.83%	0.203	0.276	-
38C	20MHz	QPSK	1 RB	99	Top side	0	37850	2580	25.2	23.50	147.91%	0.366	0.541	-
LTE Band 41	20MHz	QPSK	1 RB	0	Back side	17	41490	2680	25.2	23.73	140.28%	0.366	0.513	-
					Top side	0	39750	2506	25.2	23.51	147.57%	0.353	0.521	-
					Top side	0	40185	2549.5	25.2	23.63	143.55%	0.443	0.636	-
					Top side	0	41055	2636.5	25.2	23.58	145.21%	0.456	0.662	-
					Top side	0	41490	2680	25.2	23.73	140.28%	0.546	0.766	339
					Bottom side	0	41490	2680	25.2	23.73	140.28%	0.068	0.096	-
					Left side	7	41490	2680	25.2	23.73	140.28%	0.199	0.279	-
				50	Top side	0	40620	2593	25.2	23.64	143.22%	0.315	0.451	-
			50 RB	0	Back side	17	39750	2506	24.2	22.63	143.55%	0.367	0.527	-
					Top side	0	39750	2506	24.2	22.63	143.55%	0.339	0.487	-
					Bottom side	0	39750	2506	24.2	22.63	143.55%	0.117	0.168	-
					Left side	7	39750	2506	24.2	22.63	143.55%	0.465	0.668	-
			100 RB		Back side	17	40620	2593	24.2	22.62	143.88%	0.265	0.381	-
					Top side	0	40620	2593	24.2	22.62	143.88%	0.279	0.401	-
					Bottom side	0	40620	2593	24.2	22.62	143.88%	0.029	0.042	-
					Left side	7	40620	2593	24.2	22.62	143.88%	0.198	0.285	-
41C	20MHz	QPSK	1 RB	0	Top side	0	39750	2506	25.2	23.58	145.21%	0.523	0.759	-
LTE Band 41 (HPUE)	20MHz	QPSK	1 RB	0	Back side	17	41490	2680	27.2	25.66	142.56%	0.412	0.587	-
					Top side	0	39750	2506	27.2	25.46	149.28%	0.505	0.754	-
					Top side	0	40185	2549.5	27.2	25.59	144.88%	0.501	0.726	-
					Top side	0	41055	2636.5	27.2	25.52	147.23%	0.459	0.676	-
					Top side	0	41490	2680	27.2	25.66	142.56%	0.547	0.780	340
					Bottom side	0	41490	2680	27.2	25.66	142.56%	0.068	0.097	-
					Left side	7	41490	2680	27.2	25.66	142.56%	0.225	0.321	-
				50	Top side	0	40620	2593	27.2	25.64	143.22%	0.317	0.454	-
			50 RB	0	Back side	17	39750	2506	26.2	24.61	144.21%	0.417	0.601	-
					Top side	0	39750	2506	26.2	24.61	144.21%	0.429	0.619	-
					Bottom side	0	39750	2506	26.2	24.61	144.21%	0.119	0.172	-
					Left side	7	39750	2506	26.2	24.61	144.21%	0.532	0.767	-
			100 RB		Back side	17	40620	2593	26.2	24.55	146.22%	0.305	0.446	-
					Top side	0	40620	2593	26.2	24.55	146.22%	0.280	0.409	-
					Bottom side	0	40620	2593	26.2	24.55	146.22%	0.029	0.042	-
					Left side	7	40620	2593	26.2	24.55	146.22%	0.228	0.333	-
41C	20MHz	QPSK	1 RB	0	Top side	0	39750	2506	27.2	25.30	154.88%	0.518	0.802	-
LTE Band 66	20MHz	QPSK	1 RB	0	Back side	17	132072	1720	25.2	23.79	138.36%	0.786	1.087	341
					Back side	17	132322	1745	25.2	23.69	141.58%	0.563	0.797	-
					Back side	17	132572	1770	25.2	23.70	141.25%	0.506	0.715	-
					Top side	0	132072	1720	25.2	23.79	138.36%	0.181	0.250	-
					Bottom side	0	132072	1720	25.2	23.79	138.36%	0.137	0.190	-
					Left side	7	132072	1720	25.2	23.79	138.36%	0.221	0.306	-
				50	Back side	17	132322	1745	25.2	23.69	141.58%	0.537	0.760	-
			50 RB	0	Back side	17	132572	1770	24.2	22.80	138.04%	0.422	0.583	-
					Top side	0	132572	1770	24.2	22.80	138.04%	0.139	0.192	-
					Bottom side	0	132572	1770	24.2	22.80	138.04%	0.109	0.150	-
					Left side	7	132572	1770	24.2	22.80	138.04%	0.162	0.224	-
			100 RB		Back side	17	132572	1770	24.2	22.79	138.36%	0.436	0.603	-
					Top side	0	132572	1770	24.2	22.79	138.36%	0.132	0.183	-
					Bottom side	0	132572	1770	24.2	22.79	138.36%	0.113	0.156	-
					Left side	7	132572	1770	24.2	22.79	138.36%	0.159	0.220	-
LTE Band 71	20MHz	QPSK	1 RB	0	Back side	17	133222	673	25.2	23.29	155.24%	0.452	0.702	-
					Back side	17	133372	688	25.2	23.33	153.82%	0.537	0.826	342
					Top side	0	133372	688	25.2	23.33	153.82%	0.051	0.078	-
					Bottom side	0	133372	688	25.2	23.33	153.82%	0.024	0.037	-
					Left side	7	133372	688	25.2	23.33	153.82%	0.242	0.372	-
				50	Back side	17	133222	673	25.2	23.29	155.24%	0.497	0.772	-
				99	Back side	17	133322	683	25.2	23.29	155.24%	0.525	0.815	-
			50 RB	0	Back side	17	133372	688	24.2	22.28	155.60%	0.391	0.608	-
					Top side	0	133372	688	24.2	22.28	155.60%	0.039	0.061	-
					Bottom side	0	133372	688	24.2	22.28	155.60%	0.019	0.030	-
					Left side	7	133372	688	24.2	22.28	155.60%	0.222	0.345	-
			100 RB		Back side	17	133222	673	24.2	22.27	155.96%	0.120	0.187	-
					Top side	0	133222	673	24.2	22.27	155.96%	0.036	0.056	-
					Bottom side	0	133222	673	24.2	22.27	155.96%	0.014	0.022	-
					Left side	7	133222	673	24.2	22.27	155.96%	0.203	0.317	-

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WCDMA Band II / Band V (sensor on)

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	Back side	0	9262	1852.4	14.5	14.08	110.15%	0.563	0.620	-
	Back side	0	9400	1880	14.5	13.62	122.46%	0.533	0.653	-
	Back side	0	9538	1907.6	14.5	14.45	101.16%	0.744	0.753	343
	Left side	0	9538	1907.6	14.5	14.45	101.16%	0.273	0.276	-
WCDMA Band V	Back side	0	4132	826.4	23	22.98	100.46%	0.892	0.896	-
	Back side	0	4183	836.6	23	22.90	102.33%	0.881	0.902	-
	Back side	0	4233	846.6	23	22.94	101.39%	0.918	0.931	344
	Back side*	0	4233	846.6	23	22.94	101.39%	0.911	0.924	-
	Left side	0	4132	826.4	23	22.98	100.46%	0.372	0.374	-

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

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 (sensor on)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1 RB	0	Back side	0	18700	1860	14.5	14.07	110.41%	0.545	0.602	-
				99	Back side	0	18900	1880	14.5	14.12	109.14%	0.584	0.637	-
					Back side	0	19100	1900	14.5	14.49	100.23%	0.711	0.713	345
					Left side	0	19100	1900	14.5	14.49	100.23%	0.304	0.305	-
			50 RB	0	Back side	0	19100	1900	13.5	13.48	100.46%	0.552	0.555	-
					Left side	0	19100	1900	13.5	13.48	100.46%	0.242	0.243	-
			100 RB		Back side	0	19100	1900	13.5	13.24	106.17%	0.595	0.632	-
					Left side	0	19100	1900	13.5	13.24	106.17%	0.243	0.258	-
LTE Band 4	20MHz	QPSK	1 RB	0	Back side	0	20300	1745	14.5	14.45	101.16%	0.486	0.492	-
				50	Back side	0	20175	1732.5	14.5	14.49	100.23%	0.608	0.609	346
					Left side	0	20175	1732.5	14.5	14.49	100.23%	0.133	0.133	-
				99	Back side	0	20050	1720	14.5	14.42	101.86%	0.480	0.489	-
			50 RB	0	Back side	0	20175	1732.5	13.5	13.48	100.46%	0.471	0.473	-
					Left side	0	20175	1732.5	13.5	13.48	100.46%	0.115	0.116	-
				25	Back side	0	20175	1732.5	13.5	13.48	100.46%	0.548	0.551	-
					Left side	0	20175	1732.5	13.5	13.48	100.46%	0.096	0.096	-
			100 RB		Back side	0	20300	1745	13.5	13.44	101.39%	0.463	0.469	-
					Left side	0	20300	1745	13.5	13.44	101.39%	0.121	0.123	-
LTE Band 5	10MHz	QPSK	1 RB	0	Back side	0	20525	836.5	23	22.46	113.24%	0.956	1.083	-
				25	Back side	0	20450	829	23	22.73	106.41%	0.948	1.009	-
					Left side	0	20450	829	23	22.73	106.41%	0.302	0.321	-
				49	Back side	0	20600	844	23	22.51	111.94%	0.973	1.089	347
					Back side*	0	20600	844	23	22.51	111.94%	0.964	1.079	-
			25 RB	12	Back side	0	20450	829	22	21.72	106.66%	0.744	0.794	-
					Left side	0	20450	829	22	21.72	106.66%	0.212	0.226	-
			50 RB		Back side	0	20450	829	22	21.69	107.40%	0.632	0.679	-
					Left side	0	20450	829	22	21.69	107.40%	0.243	0.261	-
LTE Band 7	20MHz	QPSK	1 RB	0	Back side	0	21350	2560	14.5	14.14	108.64%	0.847	0.920	348
					Back side*	0	21350	2560	14.5	14.14	108.64%	0.832	0.904	-
				99	Back side	0	20850	2510	14.5	14.20	107.15%	0.810	0.868	-
					Back side	0	21100	2535	14.5	14.17	107.89%	0.837	0.903	-
					Left side	0	20850	2510	14.5	14.20	107.15%	0.175	0.188	-
			50 RB	50	Back side	0	20850	2510	13.5	13.17	107.89%	0.675	0.728	-
					Back side	0	21100	2535	13.5	13.17	107.89%	0.635	0.685	-
					Left side	0	20850	2510	13.5	13.17	107.89%	0.155	0.167	-
					Left side	0	21100	2535	13.5	13.17	107.89%	0.150	0.162	-
			100 RB		Back side	0	21100	2535	13.5	13.06	110.66%	0.628	0.695	-
					Left side	0	21100	2535	13.5	13.06	110.66%	0.169	0.187	-
7C	20MHz	QPSK	1 RB	99	Back side	0	20850	2510	14.5	14.03	111.43%	0.821	0.915	-
LTE Band 12	10MHz	QPSK	1 RB	49	Back side	0	23060	704	23	22.71	106.91%	1.050	1.123	349
					Back side*	0	23060	704	23	22.71	106.91%	0.996	1.065	-
					Back side	0	23095	707.5	23	22.82	104.23%	1.010	1.053	-
					Back side	0	23130	711	23	22.99	100.23%	1.030	1.032	-
					Left side	0	23060	704	23	22.71	106.91%	0.828	0.885	-
					Left side	0	23095	707.5	23	22.82	104.23%	0.929	0.968	-
					Left side	0	23130	711	23	22.99	100.23%	1.010	1.012	-
			25 RB	0	Back side	0	23095	707.5	22	21.73	106.41%	0.894	0.951	-
					Left side	0	23095	707.5	22	21.73	106.41%	0.848	0.902	-
				25	Back side	0	23060	704	22	21.84	103.75%	0.991	1.028	-
					Back side	0	23130	711	22	21.89	102.57%	0.942	0.966	-
					Left side	0	23060	704	22	21.84	103.75%	0.859	0.891	-
					Left side	0	23130	711	22	21.89	102.57%	0.870	0.892	-
			50 RB		Back side	0	23060	704	22	21.67	107.89%	0.854	0.921	-
					Back side	0	23095	707.5	22	21.70	107.15%	0.760	0.814	-
					Back side	0	23130	711	22	21.73	106.41%	0.766	0.815	-
					Left side	0	23060	704	22	21.67	107.89%	0.748	0.807	-
					Left side	0	23095	707.5	22	21.70	107.15%	0.922	0.988	-
					Left side	0	23130	711	22	21.73	106.41%	0.769	0.818	-
LTE Band 13	10MHz	QPSK	1 RB	0	Back side	0	23230	782	23	22.70	107.15%	1.090	1.168	350
					Back side*	0	23230	782	23	22.70	107.15%	1.040	1.114	-
					Left side	0	23230	782	23	22.70	107.15%	0.500	0.536	-
				25	Back side	0	23230	782	23	22.69	107.40%	1.050	1.128	-
				49	Back side	0	23230	782	23	22.39	115.08%	1.000	1.151	-
			25 RB	0	Back side	0	23230	782	22	21.62	109.14%	0.976	1.065	-
					Left side	0	23230	782	22	21.62	109.14%	0.406	0.443	-
				12	Back side	0	23230	782	22	21.61	109.40%	0.867	0.948	-
				25	Back side	0	23230	782	22	21.55	110.92%	0.839	0.931	-
			50 RB		Back side	0	23230	782	22	21.59	109.90%	1.046	1.150	-
					Left side	0	23230	782	22	21.59	109.90%	0.414	0.455	-
LTE Band 14	10MHz	QPSK	1 RB	0	Back side	0	23330	793	23	22.99	100.23%	1.120	1.123	351
					Back side*	0	23330	793	23	22.99	100.23%	1.100	1.103	-
					Left side	0	23330	793	23	22.99	100.23%	0.452	0.453	-
				25	Back side	0	23330	793	23	22.91	102.09%	1.110	1.133	-
				49	Back side	0	23330	793	23	22.87	103.04%	1.080	1.113	-
			25 RB	0	Back side	0	23330	793	22	21.97	100.69%	0.957	0.964	-
				12	Back side	0	23330	793	22	21.90	102.33%	0.878	0.898	-
				25	Back side	0	23330	793	22	21.99	100.23%	0.836	0.838	-
					Left side	0	23330	793	22	21.99	100.23%	0.433	0.434	-
			50 RB		Back side	0	23330	793	22	21.97	100.69%	0.899	0.905	-
					Left side	0	23330	793	22	21.97	100.69%	0.401	0.404	-

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

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LTE FDD Band 17 / Band 25 / Band 26 / Band 30 (sensor on)

Band	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 17	10MHz	QPSK	1 RB	25	Back side	0	23780	709	23	22.70	107.15%	1.060	1.136	352
					Back side*	0	23780	709	23	22.70	107.15%	1.030	1.104	-
					Left side	0	23780	709	23	22.70	107.15%	0.870	0.932	-
				49	Back side	0	23790	710	23	22.72	106.66%	1.040	1.109	-
					Back side	0	23800	711	23	22.76	105.68%	1.059	1.119	-
					Left side	0	23790	710	23	22.72	106.66%	0.973	1.038	-
					Left side	0	23800	711	23	22.76	105.68%	0.980	1.036	-
			25 RB	12	Back side	0	23790	710	22	21.71	106.91%	0.964	1.031	-
					Left side	0	23790	710	22	21.71	106.91%	0.893	0.955	-
				25	Back side	0	23780	709	22	21.73	106.41%	1.057	1.125	-
					Back side	0	23800	711	22	21.79	104.95%	0.960	1.008	-
					Left side	0	23780	709	22	21.73	106.41%	0.779	0.829	-
					Left side	0	23800	711	22	21.79	104.95%	0.720	0.756	-
			50 RB		Back side	0	23780	709	22	21.67	107.89%	0.955	1.030	-
					Back side	0	23790	710	22	21.69	107.40%	0.834	0.896	-
					Back side	0	23800	711	22	21.63	108.89%	0.804	0.875	-
					Left side	0	23780	709	22	21.67	107.89%	0.906	0.978	-
					Left side	0	23790	710	22	21.69	107.40%	0.872	0.937	-
					Left side	0	23800	711	22	21.63	108.89%	0.840	0.915	-
LTE Band 25	20MHz	QPSK	1 RB	50	Back side	0	26140	1860	14.5	14.26	105.68%	0.542	0.573	-
				99	Back side	0	26365	1882.5	14.5	14.08	110.15%	0.609	0.671	-
					Back side	0	26590	1905	14.5	14.49	100.23%	0.825	0.827	353
					Back side*	0	26590	1905	14.5	14.49	100.23%	0.811	0.813	-
					Left side	0	26590	1905	14.5	14.49	100.23%	0.316	0.317	-
			50 RB	25	Back side	0	26590	1905	13.5	13.45	101.16%	0.529	0.535	-
					Left side	0	26590	1905	13.5	13.45	101.16%	0.236	0.239	-
			100 RB		Back side	0	26590	1905	13.5	13.43	101.62%	0.524	0.533	-
					Left side	0	26590	1905	13.5	13.43	101.62%	0.296	0.301	-
LTE Band 26	15MHz	QPSK	1 RB	36	Back side	0	26765	821.5	23	22.66	108.14%	1.020	1.103	-
					Back side	0	26865	831.5	23	22.70	107.15%	1.040	1.114	-
					Left side	0	26865	831.5	23	22.70	107.15%	0.302	0.324	-
				74	Back side	0	26965	841.5	23	22.56	110.66%	1.070	1.184	354
					Back side*	0	26965	841.5	23	22.56	110.66%	1.050	1.162	-
			36 RB	0	Back side	0	26865	831.5	22	21.60	109.65%	0.779	0.854	-
				18	Back side	0	26765	821.5	22	21.76	105.68%	0.801	0.847	-
					Left side	0	26765	821.5	22	21.76	105.68%	0.264	0.279	-
				37	Back side	0	26965	841.5	22	21.57	110.41%	0.897	0.990	-
			75 RB		Back side	0	26765	821.5	22	21.83	103.99%	0.828	0.861	-
					Back side	0	26865	831.5	22	21.53	111.43%	0.814	0.907	-
					Back side	0	26965	841.5	22	21.58	110.15%	0.751	0.827	-
					Left side	0	26765	821.5	22	21.83	103.99%	0.287	0.298	-
LTE Band 30	10MHz	QPSK	1 RB	0	Back side	0	27710	2310	14.5	14.30	104.71%	0.714	0.748	355
					Left side	0	27710	2310	14.5	14.30	104.71%	0.148	0.155	-
				25	Back side	0	27710	2310	14.5	14.22	106.66%	0.621	0.662	-
				49	Back side	0	27710	2310	14.5	14.20	107.15%	0.628	0.673	-
			25 RB	25	Back side	0	27710	2310	13.5	13.33	103.99%	0.573	0.596	-
					Left side	0	27710	2310	13.5	13.33	103.99%	0.130	0.135	-
			50 RB		Back side	0	27710	2310	13.5	13.29	104.95%	0.648	0.680	-
					Left side	0	27710	2310	13.5	13.29	104.95%	0.126	0.132	-

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

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LTE TDD Band 38 / Band 41 / LTE FDD Band 66 / Band 71 (sensor on)

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 38	20MHz	QPSK	1 RB	50	Back side	0	37850	2580	14.5	14.48	100.46%	0.625	0.628	-
					Back side	0	38000	2595	14.5	14.47	100.69%	0.671	0.676	356
					Left side	0	37850	2580	14.5	14.48	100.46%	0.113	0.114	-
				99	Back side	0	38150	2610	14.5	14.45	101.16%	0.589	0.596	-
			50 RB	25	Back side	0	37850	2580	13.5	13.48	100.46%	0.520	0.522	-
					Left side	0	37850	2580	13.5	13.48	100.46%	0.100	0.100	-
				50	Back side	0	38150	2610	13.5	13.48	100.46%	0.509	0.511	-
					Left side	0	38150	2610	13.5	13.48	100.46%	0.093	0.093	-
			100 RB		Back side	0	38000	2595	13.5	13.49	100.23%	0.428	0.429	-
					Left side	0	38000	2595	13.5	13.49	100.23%	0.083	0.083	-
38C	20MHz	QPSK	1 RB	99	Back side	0	37850	2580	14.5	14.34	103.75%	0.651	0.675	-
LTE Band 41	20MHz	QPSK	1 RB	0	Back side	0	40185	2549.5	14.5	13.87	115.61%	0.370	0.428	-
				50	Back side	0	40620	2593	14.5	13.91	114.55%	0.450	0.515	-
					Back side	0	41055	2636.5	14.5	14.21	106.91%	0.565	0.604	357
					Left side	0	41055	2636.5	14.5	14.21	106.91%	0.111	0.119	-
				99	Back side	0	39750	2506	14.5	13.92	114.29%	0.366	0.418	-
					Back side	0	41490	2680	14.5	13.98	112.72%	0.550	0.620	-
			50 RB	0	Back side	0	41055	2636.5	13.5	13.20	107.15%	0.430	0.461	-
					Left side	0	41055	2636.5	13.5	13.20	107.15%	0.098	0.105	-
			100 RB		Back side	0	41055	2636.5	13.5	13.12	109.14%	0.488	0.533	-
					Left side	0	41055	2636.5	13.5	13.12	109.14%	0.090	0.098	-
41C	20MHz	QPSK	1 RB	99	Back side	0	39750	2506	14.5	14.05	110.92%	0.554	0.614	-
LTE Band 41 (HPUE)	20MHz	QPSK	1 RB	0	Back side	0	40185	2549.5	16.5	15.83	116.68%	0.402	0.469	-
				50	Back side	0	40620	2593	16.5	15.91	114.55%	0.454	0.520	-
					Back side	0	41055	2636.5	16.5	16.11	109.40%	0.565	0.618	358
					Left side	0	41055	2636.5	16.5	16.11	109.40%	0.128	0.140	-
				99	Back side	0	39750	2506	16.5	15.82	116.95%	0.364	0.426	-
					Back side	0	41490	2680	16.5	15.91	114.55%	0.551	0.631	-
			50 RB	0	Back side	0	41055	2636.5	15.5	15.15	108.39%	0.485	0.526	-
					Left side	0	41055	2636.5	15.5	15.15	108.39%	0.109	0.118	-
			100 RB		Back side	0	41055	2636.5	15.5	15.10	109.65%	0.503	0.552	-
					Left side	0	41055	2636.5	15.5	15.10	109.65%	0.118	0.129	-
41C	20MHz	QPSK	1 RB	99	Back side	0	39750	2506	16.5	16.02	111.69%	0.555	0.620	-
LTE Band 66	20MHz	QPSK	1 RB	0	Back side	0	132572	1770	14.5	14.24	106.17%	0.727	0.772	359
					Left side	0	132572	1770	14.5	14.24	106.17%	0.173	0.184	-
				50	Back side	0	132072	1720	14.5	14.14	108.64%	0.514	0.558	-
					Back side	0	132322	1745	14.5	14.22	106.66%	0.533	0.568	-
			50 RB	25	Back side	0	132072	1720	13.5	13.25	105.93%	0.481	0.510	-
					Left side	0	132072	1720	13.5	13.25	105.93%	0.124	0.131	-
				50	Back side	0	132322	1745	13.5	13.25	105.93%	0.423	0.448	-
					Left side	0	132322	1745	13.5	13.25	105.93%	0.148	0.157	-
			100 RB		Back side	0	132322	1745	13.5	13.22	106.66%	0.475	0.507	-
					Left side	0	132322	1745	13.5	13.22	106.66%	0.143	0.153	-
LTE Band 71	20MHz	QPSK	1 RB	0	Back side	0	133322	683	23	22.97	100.69%	0.804	0.810	-
					Back side	0	133372	688	23	22.98	100.46%	0.798	0.802	-
					Left side	0	133372	688	23	22.98	100.46%	0.186	0.187	-
				50	Back side	0	133222	673	23	22.93	101.62%	0.835	0.849	360
					Back side*	0	133222	673	23	22.93	101.62%	0.826	0.839	-
			50 RB	0	Back side	0	133222	673	22	21.96	100.93%	0.733	0.740	-
					Left side	0	133222	673	22	21.96	100.93%	0.166	0.168	-
			100 RB		Back side	0	133222	673	22	21.93	101.62%	0.713	0.725	-
					Left side	0	133222	673	22	21.93	101.62%	0.144	0.146	-

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Notebook mode

WLAN Main Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Main	WLAN 802.11b	Bottom side	0	1	2412	17.00	16.93	1.011	101.62%	0.892	0.916	361
		Bottom side*	0	1	2412	17.00	16.93	1.011	101.62%	0.890	0.914	-
		Bottom side	0	6	2437	17.00	16.99	1.011	100.23%	0.876	0.888	-
		Bottom side	0	11	2462	17.00	16.76	1.011	105.68%	0.823	0.879	-
	Bluetooth(GFSK)	Bottom side	0	39	2441	10.76	9.64	1.296	129.53%	0.312	0.524	362
	WLAN 802.11a 5.2G	Bottom side	0	40	5200	14.50	14.25	1.019	105.93%	0.821	0.886	-
		Bottom side	0	44	5220	14.50	14.33	1.019	103.99%	0.934	0.990	363
		Bottom side*	0	44	5220	14.50	14.33	1.019	103.99%	0.855	0.906	-
	WLAN 802.11n(40M) 5.2G	Bottom side	0	38	5190	14.50	14.13	1.043	108.89%	0.841	0.955	364
		Bottom side*	0	38	5190	14.50	14.13	1.043	108.89%	0.838	0.952	-
		Bottom side	0	46	5230	14.50	14.19	1.043	107.40%	0.838	0.939	-
	WLAN 802.11a 5.3G	Bottom side	0	52	5260	14.50	14.25	1.019	105.93%	0.906	0.978	-
		Bottom side	0	56	5280	14.50	14.30	1.019	104.71%	0.879	0.938	-
		Bottom side	0	64	5320	14.50	14.45	1.019	101.16%	0.939	0.968	365
		Bottom side*	0	64	5320	14.50	14.45	1.019	101.16%	0.922	0.950	-
	WLAN 802.11n(40M) 5.3G	Bottom side	0	54	5270	14.50	14.28	1.043	105.20%	0.907	0.995	366
		Bottom side*	0	54	5270	14.50	14.28	1.043	105.20%	0.832	0.913	-
	WLAN 802.11n(40M) 5.6G	Bottom side	0	110	5550	15.00	14.98	1.043	100.46%	0.950	0.995	-
		Bottom side	0	134	5670	15.00	14.97	1.043	100.69%	0.945	0.992	-
		Bottom side	0	142	5710	15.00	14.98	1.043	100.46%	0.953	0.999	367
		Bottom side*	0	142	5710	15.00	14.98	1.043	100.46%	0.949	0.994	-
	WLAN 802.11ac(80M) 5.6G	Bottom side	0	122	5610	15.00	14.84	1.085	103.75%	0.882	0.993	368
		Bottom side*	0	122	5610	15.00	14.84	1.085	103.75%	0.876	0.986	-
		Bottom side	0	138	5690	15.00	14.73	1.085	106.41%	0.857	0.989	-
	WLAN 802.11n(40M) 5.8G	Bottom side	0	151	5755	14.00	13.99	1.043	100.23%	0.881	0.921	-
		Bottom side	0	159	5795	14.00	13.7	1.043	107.15%	0.892	0.997	369
		Bottom side*	0	159	5795	14.00	13.7	1.043	107.15%	0.888	0.992	-
	WLAN 802.11ac(80M) 5.8G	Bottom side	0	155	5775	14.00	13.78	1.085	105.20%	0.865	0.987	370
		Bottom side*	0	155	5775	14.00	13.78	1.085	105.20%	0.865	0.987	-

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

WLAN Aux Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Aux	WLAN 802.11b	Bottom side	0	1	2412	15.00	14.96	1.011	100.93%	0.777	0.793	371
	WLAN 802.11n(40M) 5.2G	Bottom side	0	46	5230	17.50	17.49	1.043	100.23%	0.543	0.568	372
	WLAN 802.11n(40M) 5.3G	Bottom side	0	54	5270	17.00	16.95	1.000	101.16%	0.520	0.526	373
	WLAN 802.11ac(80M) 5.6G	Bottom side	0	106	5530	12.00	11.98	1.085	100.46%	0.326	0.355	374
	WLAN 802.11ac(80M) 5.8G	Bottom side	0	155	5775	12.00	11.90	1.085	102.33%	0.656	0.728	375

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Tablet mode

WLAN Main Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Maon	WLAN 802.11b	Back side	0	6	2437	15.50	15.30	1.011	104.71%	0.454	0.481	376
		Top side	0	6	2437	15.50	15.30	1.011	104.71%	0.011	0.012	-
		Bottom side	0	6	2437	15.50	15.30	1.011	104.71%	0.416	0.440	-
		Right side	0	6	2437	15.50	15.30	1.011	104.71%	0.036	0.038	-
		Left side	0	6	2437	15.50	15.30	1.011	104.71%	0.007	0.007	-
	Bluetooth (GFSK)	Back side	0	39	2441	10.76	9.64	1.296	129.53%	0.211	0.354	377
		Top side	0	39	2441	10.76	9.64	1.296	129.53%	0.004	0.007	-
		Bottom side	0	39	2441	10.76	9.64	1.296	129.53%	0.158	0.265	-
		Right side	0	39	2441	10.76	9.64	1.296	129.53%	0.017	0.029	-
		Left side	0	39	2441	10.76	9.64	1.296	129.53%	0.004	0.007	-
	WLAN 802.11n(40M) 5.2G	Back side	0	38	5190	14.00	13.64	1.043	108.64%	0.851	0.964	-
		Back side	0	46	5230	14.00	13.73	1.043	106.41%	0.871	0.967	378
		Back side*	0	46	5230	14.00	13.73	1.043	106.41%	0.865	0.960	-
		Top side	0	46	5230	14.00	13.73	1.043	106.41%	0.046	0.051	-
		Bottom side	0	46	5230	14.00	13.73	1.043	106.41%	0.409	0.454	-
		Right side	0	46	5230	14.00	13.73	1.043	106.41%	0.021	0.023	-
		Left side	0	46	5230	14.00	13.73	1.043	106.41%	0.019	0.021	-
	WLAN 802.11ac(80M) 5.2G	Back side	0	42	5210	14.00	13.66	1.085	108.14%	0.849	0.996	379
		Back side*	0	42	5210	14.00	13.66	1.085	108.14%	0.845	0.991	-
		Top side	0	42	5210	14.00	13.66	1.085	108.14%	0.040	0.047	-
		Bottom side	0	42	5210	14.00	13.66	1.085	108.14%	0.433	0.508	-
		Right side	0	42	5210	14.00	13.66	1.085	108.14%	0.022	0.026	-
		Left side	0	42	5210	14.00	13.66	1.085	108.14%	0.106	0.124	-
	WLAN 802.11a 5.3G	Back side	0	52	5260	13.50	13.37	1.019	103.04%	0.669	0.702	-
		Back side	0	64	5320	13.50	13.48	1.019	100.46%	0.869	0.890	380
		Back side*	0	64	5320	13.50	13.48	1.019	100.46%	0.841	0.861	-
		Top side	0	64	5320	13.50	13.48	1.019	100.46%	0.070	0.072	-
		Bottom side	0	64	5320	13.50	13.48	1.019	100.46%	0.477	0.488	-
		Right side	0	64	5320	13.50	13.48	1.019	100.46%	0.030	0.031	-
		Left side	0	64	5320	13.50	13.48	1.019	100.46%	0.041	0.042	-
	WLAN 802.11n(40M) 5.3G	Back side	0	54	5270	13.50	13.19	1.043	107.40%	0.780	0.874	381
		Back side*	0	54	5270	13.50	13.19	1.043	107.40%	0.773	0.866	-
		Back side	0	62	5310	12.50	12.43	1.043	101.62%	0.666	0.706	-
		Top side	0	54	5270	13.50	13.19	1.043	107.40%	0.039	0.044	-
		Bottom side	0	54	5270	13.50	13.19	1.043	107.40%	0.383	0.429	-
		Right side	0	54	5270	13.50	13.19	1.043	107.40%	0.024	0.027	-
		Left side	0	54	5270	13.50	13.19	1.043	107.40%	0.042	0.047	-
	WLAN 802.11ac(80M) 5.6G	Back side	0	106	5530	13.50	13.33	1.085	103.99%	0.858	0.968	-
		Back side	0	138	5690	13.50	13.45	1.085	101.16%	0.885	0.971	382
		Back side*	0	138	5690	13.50	13.45	1.085	101.16%	0.882	0.968	-
		Top side	0	138	5690	13.50	13.45	1.085	101.16%	0.061	0.067	-
		Bottom side	0	138	5690	13.50	13.45	1.085	101.16%	0.644	0.707	-
		Right side	0	138	5690	13.50	13.45	1.085	101.16%	0.025	0.027	-
		Left side	0	138	5690	13.50	13.45	1.085	101.16%	0.054	0.059	-
	WLAN 802.11n(40M) 5.8G	Back side	0	151	5755	12.00	11.66	1.043	108.14%	0.815	0.919	-
		Back side	0	159	5795	12.00	11.81	1.043	104.47%	0.915	0.997	383
		Back side*	0	159	5795	12.00	11.81	1.043	104.47%	0.908	0.989	-
		Top side	0	159	5795	12.00	11.81	1.043	104.47%	0.043	0.047	-
		Bottom side	0	159	5795	12.00	11.81	1.043	104.47%	0.622	0.678	-
		Right side	0	159	5795	12.00	11.81	1.043	104.47%	0.018	0.020	-
		Left side	0	159	5795	12.00	11.81	1.043	104.47%	0.018	0.020	-
	WLAN 802.11ac(80M) 5.8G	Back side	0	155	5775	12.00	11.73	1.085	106.41%	0.864	0.998	384
		Back side*	0	155	5775	12.00	11.73	1.085	106.41%	0.858	0.991	-
		Top side	0	155	5775	12.00	11.73	1.085	106.41%	0.039	0.045	-
		Bottom side	0	155	5775	12.00	11.73	1.085	106.41%	0.577	0.666	-
		Right side	0	155	5775	12.00	11.73	1.085	106.41%	0.020	0.023	-
		Left side	0	155	5775	12.00	11.73	1.085	106.41%	0.018	0.021	-

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WLAN Aux Antenna

Antenna	Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Plot page
										Measured	Reported	
Aux	WLAN 802.11b	Back side	0	1	2412	16.00	15.97	1.011	100.69%	0.660	0.672	-
		Back side	0	6	2437	16.00	15.99	1.011	100.23%	0.850	0.861	-
		Back side	0	11	2462	16.00	15.98	1.011	100.46%	0.915	0.929	385
		Back side*	0	11	2462	16.00	15.98	1.011	100.46%	0.913	0.927	-
		Top side	0	6	2437	16.00	15.99	1.011	100.23%	0.064	0.065	-
		Bottom side	0	6	2437	16.00	15.99	1.011	100.23%	0.586	0.594	-
		Right side	0	6	2437	16.00	15.99	1.011	100.23%	0.031	0.031	-
		Left side	0	6	2437	16.00	15.99	1.011	100.23%	0.075	0.076	-
	WLAN 802.11n(40M) 5.2G	Back side	0	46	5230	17.50	17.49	1.043	100.23%	0.748	0.782	386
		Top side	0	46	5230	17.50	17.49	1.043	100.23%	0.022	0.023	-
		Bottom side	0	46	5230	17.50	17.49	1.043	100.23%	0.382	0.399	-
		Right side	0	46	5230	17.50	17.49	1.043	100.23%	0.011	0.011	-
		Left side	0	46	5230	17.50	17.49	1.043	100.23%	0.034	0.036	-
	WLAN 802.11n(40M) 5.3G	Back side	0	54	5270	17.00	16.95	1.043	101.16%	0.767	0.809	387
		Top side	0	54	5270	17.00	16.95	1.043	101.16%	0.035	0.037	-
		Bottom side	0	54	5270	17.00	16.95	1.043	101.16%	0.402	0.424	-
		Right side	0	54	5270	17.00	16.95	1.043	101.16%	0.011	0.012	-
		Left side	0	54	5270	17.00	16.95	1.043	101.16%	0.032	0.034	-
	WLAN 802.11ac(80M) 5.6G	Back side	0	106	5530	12.00	11.98	1.085	100.46%	0.382	0.416	388
		Top side	0	106	5530	12.00	11.98	1.085	100.46%	0.022	0.024	-
		Bottom side	0	106	5530	12.00	11.98	1.085	100.46%	0.175	0.191	-
		Right side	0	106	5530	12.00	11.98	1.085	100.46%	0.007	0.008	-
		Left side	0	106	5530	12.00	11.98	1.085	100.46%	0.017	0.019	-
	WLAN 802.11n(40M) 5.8G	Back side	0	151	5755	12.00	11.81	1.043	104.47%	0.810	0.883	-
		Back side	0	159	5795	12.00	11.99	1.043	100.23%	0.856	0.895	389
		Back side*	0	159	5795	12.00	11.99	1.043	100.23%	0.850	0.889	-
	WLAN 802.11ac(80M) 5.8G	Back side	0	155	5775	12.00	11.90	1.085	102.33%	0.808	0.897	390
		Back side*	0	155	5775	12.00	11.9	1.085	102.33%	0.788	0.875	-
		Top side	0	155	5775	12.00	11.90	1.085	102.33%	0.047	0.052	-
		Bottom side	0	155	5775	12.00	11.90	1.085	102.33%	0.423	0.470	-
		Right side	0	155	5775	12.00	11.90	1.085	102.33%	0.013	0.014	-
		Left side	0	155	5775	12.00	11.90	1.085	102.33%	0.028	0.031	-

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

Note:

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

Reported SAR = measured SAR * (scaling)

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

2.3 Reporting statements of conformity

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

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3. Simultaneous Transmission Analysis

Simultaneous Transmission Scenarios:

NO.	Simultaneous Transmit Configurations	Body
1	WWAN + WLAN 2.4GHz MIMO	YES
2	WWAN + WLAN 5GHz MIMO	YES
3	WWAN + BT Aux + WLAN 2.4GHz Main	YES
4	WWAN + BT Aux + WLAN 5GHz Main	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:

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

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

3.2 SPLSR evaluation and analysis

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

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

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

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

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

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The simultaneous Transmission conditions (Tablet mode)

Band	Exposure position 1g(W/kg)	0	1	2	3	4	5	Scenario 1	Scenario 2	Scenario 3	Scenario 4	SPLSR
		WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Aux	BT (Main)	0+1+2 Sum	0+3+4 Sum	0+2+5 Sum	0+4+5 Sum	
WCDMA Band II	Back side	0.753	0.481	0.929	0.998	0.897	0.354	2.163	2.648	2.036	2.004	Analyzed as below
	Top side	0.207	0.012	0.065	0.072	0.052	0.007	0.284	0.331	0.279	0.266	ΣSAR<1.6, Not required
	Bottom side	0.070	0.440	0.594	0.707	0.470	0.265	1.104	1.247	0.929	0.805	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.276	0.007	0.076	0.124	0.036	0.007	0.359	0.436	0.359	0.319	ΣSAR<1.6, Not required
WCDMA Band V	Back side	0.931	0.481	0.929	0.998	0.897	0.354	2.341	2.826	2.214	2.182	Analyzed as below
	Top side	0.107	0.012	0.065	0.072	0.052	0.007	0.184	0.231	0.179	0.166	ΣSAR<1.6, Not required
	Bottom side	0.056	0.440	0.594	0.707	0.470	0.265	1.090	1.233	0.915	0.791	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.374	0.007	0.076	0.124	0.036	0.007	0.457	0.534	0.457	0.417	ΣSAR<1.6, Not required
LTE Band 2	Back side	0.713	0.481	0.929	0.998	0.897	0.354	2.123	2.608	1.996	1.964	Analyzed as below
	Top side	0.455	0.012	0.065	0.072	0.052	0.007	0.532	0.579	0.527	0.514	ΣSAR<1.6, Not required
	Bottom side	0.085	0.440	0.594	0.707	0.470	0.265	1.119	1.262	0.944	0.820	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.305	0.007	0.076	0.124	0.036	0.007	0.388	0.465	0.388	0.348	ΣSAR<1.6, Not required
LTE Band 4	Back side	0.609	0.481	0.929	0.998	0.897	0.354	2.019	2.504	1.892	1.860	Analyzed as below
	Top side	0.273	0.012	0.065	0.072	0.052	0.007	0.350	0.397	0.345	0.332	ΣSAR<1.6, Not required
	Bottom side	0.193	0.440	0.594	0.707	0.470	0.265	1.227	1.370	1.052	0.928	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.133	0.007	0.076	0.124	0.036	0.007	0.216	0.293	0.216	0.176	ΣSAR<1.6, Not required
LTE Band 5	Back side	1.089	0.481	0.929	0.998	0.897	0.354	2.499	2.984	2.372	2.340	Analyzed as below
	Top side	0.119	0.012	0.065	0.072	0.052	0.007	0.196	0.243	0.191	0.178	ΣSAR<1.6, Not required
	Bottom side	0.047	0.440	0.594	0.707	0.470	0.265	1.081	1.224	0.906	0.782	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.321	0.007	0.076	0.124	0.036	0.007	0.404	0.481	0.404	0.364	ΣSAR<1.6, Not required
LTE Band 7	Back side	0.920	0.481	0.929	0.998	0.897	0.354	2.330	2.815	2.203	2.171	Analyzed as below
	Top side	0.186	0.012	0.065	0.072	0.052	0.007	0.263	0.310	0.258	0.245	ΣSAR<1.6, Not required
	Bottom side	0.168	0.440	0.594	0.707	0.470	0.265	1.202	1.345	1.027	0.903	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.188	0.007	0.076	0.124	0.036	0.007	0.271	0.348	0.271	0.231	ΣSAR<1.6, Not required
LTE Band 12	Back side	1.123	0.481	0.929	0.998	0.897	0.354	2.533	3.018	2.406	2.374	Analyzed as below
	Top side	0.052	0.012	0.065	0.072	0.052	0.007	0.129	0.176	0.124	0.111	ΣSAR<1.6, Not required
	Bottom side	0.052	0.440	0.594	0.707	0.470	0.265	1.086	1.229	0.911	0.787	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	1.012	0.007	0.076	0.124	0.036	0.007	1.095	1.172	1.095	1.055	ΣSAR<1.6, Not required
LTE Band 13	Back side	1.168	0.481	0.929	0.998	0.897	0.354	2.578	3.063	2.451	2.419	Analyzed as below
	Top side	0.030	0.012	0.065	0.072	0.052	0.007	0.107	0.154	0.102	0.089	ΣSAR<1.6, Not required
	Bottom side	0.029	0.440	0.594	0.707	0.470	0.265	1.063	1.206	0.888	0.764	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.536	0.007	0.076	0.124	0.036	0.007	0.619	0.696	0.619	0.579	ΣSAR<1.6, Not required

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The simultaneous Transmission conditions (Tablet mode)

Band	Exposure position 1g(W/kg)	0	1	2	3	4	5	Scenario 1	Scenario 2	Scenario 3	Scenario 4	SPLSR
		WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Aux	BT (Main)	0+1+2 Sum	0+3+4 Sum	0+2+5 Sum	0+4+5 Sum	
LTE Band 14	Back side	1.133	0.481	0.929	0.998	0.897	0.354	2.543	3.028	2.416	2.384	Analyzed as below
	Top side	0.029	0.012	0.065	0.072	0.052	0.007	0.106	0.153	0.101	0.088	ΣSAR<1.6, Not required
	Bottom side	0.028	0.440	0.594	0.707	0.470	0.265	1.062	1.205	0.887	0.763	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.453	0.007	0.076	0.124	0.036	0.007	0.536	0.613	0.536	0.496	ΣSAR<1.6, Not required
LTE Band 17	Back side	1.136	0.481	0.929	0.998	0.897	0.354	2.546	3.031	2.419	2.387	Analyzed as below
	Top side	0.065	0.012	0.065	0.072	0.052	0.007	0.142	0.189	0.137	0.124	ΣSAR<1.6, Not required
	Bottom side	0.060	0.440	0.594	0.707	0.470	0.265	1.094	1.237	0.919	0.795	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	1.038	0.007	0.076	0.124	0.036	0.007	1.121	1.198	1.121	1.081	ΣSAR<1.6, Not required
LTE Band 25	Back side	0.827	0.481	0.929	0.998	0.897	0.354	2.237	2.722	2.110	2.078	Analyzed as below
	Top side	0.620	0.012	0.065	0.072	0.052	0.007	0.697	0.744	0.692	0.679	ΣSAR<1.6, Not required
	Bottom side	0.109	0.440	0.594	0.707	0.470	0.265	1.143	1.286	0.968	0.844	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.317	0.007	0.076	0.124	0.036	0.007	0.400	0.477	0.400	0.360	ΣSAR<1.6, Not required
LTE Band 26	Back side	1.184	0.481	0.929	0.998	0.897	0.354	2.594	3.079	2.467	2.435	Analyzed as below
	Top side	0.110	0.012	0.065	0.072	0.052	0.007	0.187	0.234	0.182	0.169	ΣSAR<1.6, Not required
	Bottom side	0.053	0.440	0.594	0.707	0.470	0.265	1.087	1.230	0.912	0.788	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.324	0.007	0.076	0.124	0.036	0.007	0.407	0.484	0.407	0.367	ΣSAR<1.6, Not required
LTE Band 30	Back side	0.748	0.481	0.929	0.998	0.897	0.354	2.158	2.643	2.031	1.999	Analyzed as below
	Top side	0.101	0.012	0.065	0.072	0.052	0.007	0.178	0.225	0.173	0.160	ΣSAR<1.6, Not required
	Bottom side	0.367	0.440	0.594	0.707	0.470	0.265	1.401	1.544	1.226	1.102	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.155	0.007	0.076	0.124	0.036	0.007	0.238	0.315	0.238	0.198	ΣSAR<1.6, Not required
LTE Band 38	Back side	0.676	0.481	0.929	0.998	0.897	0.354	2.086	2.571	1.959	1.927	Analyzed as below
	Top side	0.553	0.012	0.065	0.072	0.052	0.007	0.630	0.677	0.625	0.612	ΣSAR<1.6, Not required
	Bottom side	0.051	0.440	0.594	0.707	0.470	0.265	1.085	1.228	0.910	0.786	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.114	0.007	0.076	0.124	0.036	0.007	0.197	0.274	0.197	0.157	ΣSAR<1.6, Not required
LTE Band 41	Back side	0.620	0.481	0.929	0.998	0.897	0.354	2.030	2.515	1.903	1.871	Analyzed as below
	Top side	0.766	0.012	0.065	0.072	0.052	0.007	0.843	0.890	0.838	0.825	ΣSAR<1.6, Not required
	Bottom side	0.168	0.440	0.594	0.707	0.470	0.265	1.202	1.345	1.027	0.903	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.119	0.007	0.076	0.124	0.036	0.007	0.202	0.279	0.202	0.162	ΣSAR<1.6, Not required
LTE Band 41 (HPUE)	Back side	0.631	0.481	0.929	0.998	0.897	0.354	2.041	2.526	1.914	1.882	Analyzed as below
	Top side	0.780	0.012	0.065	0.072	0.052	0.007	0.857	0.904	0.852	0.839	ΣSAR<1.6, Not required
	Bottom side	0.172	0.440	0.594	0.707	0.470	0.265	1.206	1.349	1.031	0.907	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.140	0.007	0.076	0.124	0.036	0.007	0.223	0.300	0.223	0.183	ΣSAR<1.6, Not required
LTE Band 66	Back side	0.772	0.481	0.929	0.998	0.897	0.354	2.182	2.667	2.055	2.023	Analyzed as below
	Top side	0.250	0.012	0.065	0.072	0.052	0.007	0.327	0.374	0.322	0.309	ΣSAR<1.6, Not required
	Bottom side	0.190	0.440	0.594	0.707	0.470	0.265	1.224	1.367	1.049	0.925	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.184	0.007	0.076	0.124	0.036	0.007	0.267	0.344	0.267	0.227	ΣSAR<1.6, Not required
LTE Band 71	Back side	0.849	0.481	0.929	0.998	0.897	0.354	2.259	2.744	2.132	2.100	Analyzed as below
	Top side	0.078	0.012	0.065	0.072	0.052	0.007	0.155	0.202	0.150	0.137	ΣSAR<1.6, Not required
	Bottom side	0.037	0.440	0.594	0.707	0.470	0.265	1.071	1.214	0.896	0.772	ΣSAR<1.6, Not required
	Right side	-	0.038	0.031	0.031	0.014	0.029	0.069	0.045	0.060	0.043	ΣSAR<1.6, Not required
	Left side	0.187	0.007	0.076	0.124	0.036	0.007	0.270	0.347	0.270	0.230	ΣSAR<1.6, Not required

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The simultaneous Transmission conditions (Notebook mode)

Exposure position 1g(W/kg)	Exposure position 1g(W/kg)	0	1	2	3	4	5	Scenario 1	Scenario 2	Scenario 3	Scenario 4	SPLSR
		WWAN	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Main	WLAN 5GHz Aux	BT (Main)	0+1+2 Sum	0+3+4 Sum	0+2+5 Sum	0+4+5 Sum	
WCDMA Band II	Laptop_Bottom	1.093	0.916	0.793	0.999	0.728	0.524	2.802	2.820	2.410	2.345	Analyzed as below
WCDMA Band V	Laptop_Bottom	1.133	0.916	0.793	0.999	0.728	0.524	2.842	2.860	2.450	2.385	Analyzed as below
LTE Band 2	Laptop_Bottom	1.150	0.916	0.793	0.999	0.728	0.524	2.859	2.877	2.467	2.402	Analyzed as below
LTE Band 4	Laptop_Bottom	0.824	0.916	0.793	0.999	0.728	0.524	2.533	2.551	2.141	2.076	Analyzed as below
LTE Band 5	Laptop_Bottom	1.115	0.916	0.793	0.999	0.728	0.524	2.824	2.842	2.432	2.367	Analyzed as below
LTE Band 7	Laptop_Bottom	1.099	0.916	0.793	0.999	0.728	0.524	2.808	2.826	2.416	2.351	Analyzed as below
LTE Band 12	Laptop_Bottom	1.091	0.916	0.793	0.999	0.728	0.524	2.800	2.818	2.408	2.343	Analyzed as below
LTE Band 13	Laptop_Bottom	1.086	0.916	0.793	0.999	0.728	0.524	2.795	2.813	2.403	2.338	Analyzed as below
LTE Band 14	Laptop_Bottom	1.143	0.916	0.793	0.999	0.728	0.524	2.852	2.870	2.460	2.395	Analyzed as below
LTE Band 17	Laptop_Bottom	1.195	0.916	0.793	0.999	0.728	0.524	2.904	2.922	2.512	2.447	Analyzed as below
LTE Band 25	Laptop_Bottom	1.184	0.916	0.793	0.999	0.728	0.524	2.893	2.911	2.501	2.436	Analyzed as below
LTE Band 26	Laptop_Bottom	1.000	0.916	0.793	0.999	0.728	0.524	2.709	2.727	2.317	2.252	Analyzed as below
LTE Band 30	Laptop_Bottom	0.974	0.916	0.793	0.999	0.728	0.524	2.683	2.701	2.291	2.226	Analyzed as below
LTE Band 38	Laptop_Bottom	0.775	0.916	0.793	0.999	0.728	0.524	2.484	2.502	2.092	2.027	Analyzed as below
LTE Band 41	Laptop_Bottom	0.840	0.916	0.793	0.999	0.728	0.524	2.549	2.567	2.157	2.092	Analyzed as below
LTE Band 41 (HPUE)	Laptop_Bottom	0.848	0.916	0.793	0.999	0.728	0.524	2.557	2.575	2.165	2.100	Analyzed as below
LTE Band 66	Laptop_Bottom	0.895	0.916	0.793	0.999	0.728	0.524	2.604	2.622	2.212	2.147	Analyzed as below
LTE Band 71	Laptop_Bottom	1.102	0.916	0.793	0.999	0.728	0.524	2.811	2.829	2.419	2.354	Analyzed as below

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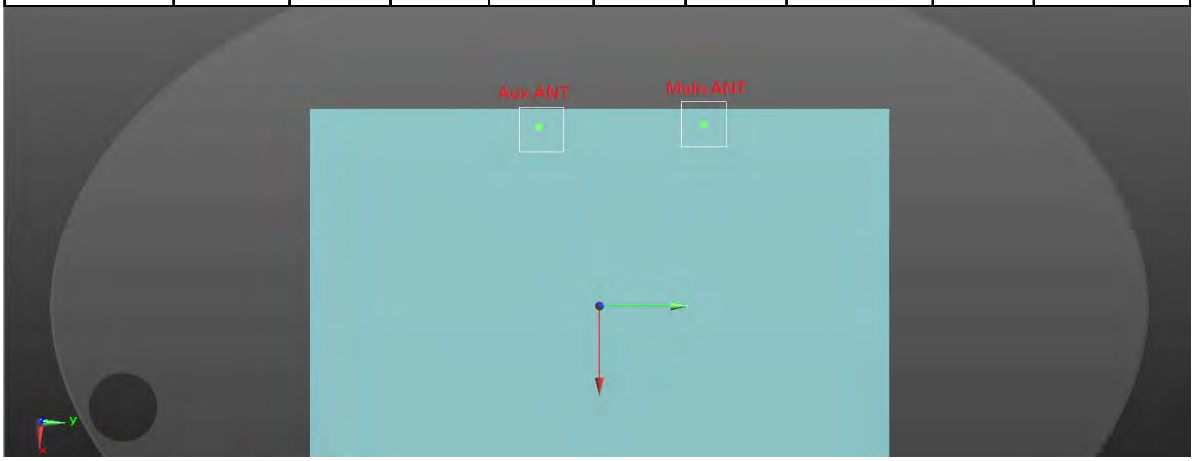
Tablet mode

WLAN 5 GHz Main + 5 GHz Aux

Conditions	Position	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
WLAN Main	Back side	0.998	-0.97	0.56	-0.61	1.895	93.89	0.028	SPLSR<0.04, Not required
WLAN Aux		0.897	-9.56	-3.23	-0.63				



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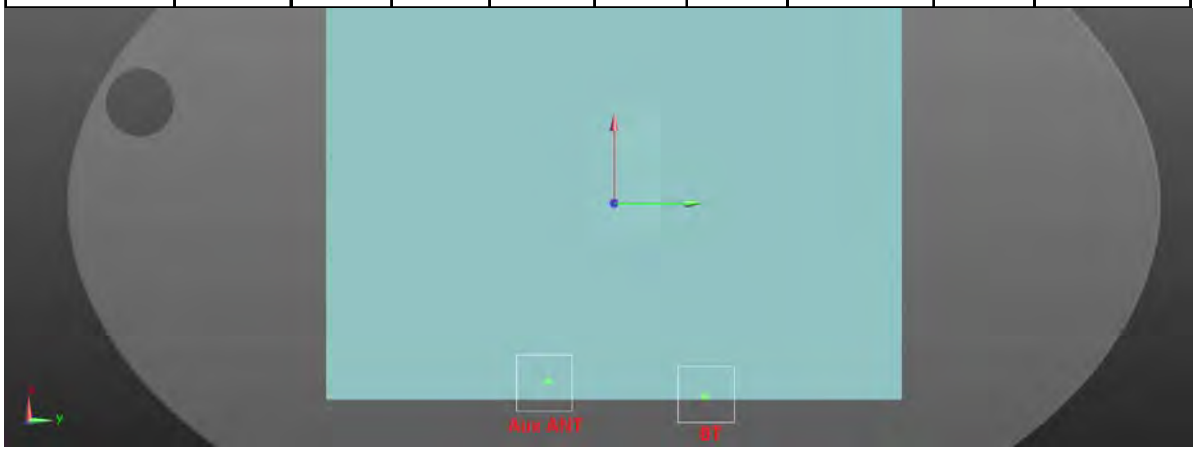
WLAN 2.4 GHz Aux + BT

Conditions	Position	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
2.4G WLAN Aux	Back side	0.929	-9.52	-3.56	-0.63	1.283	81.67	0.018	SPLSR<0.04, Not required
BT		0.354	-10.34	4.56	-0.33				



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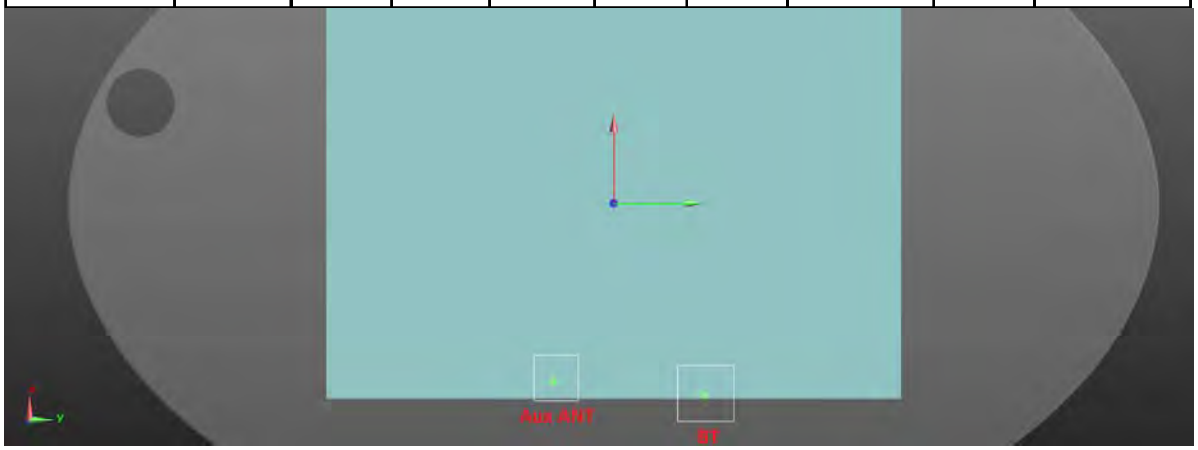
WLAN 5 GHz Aux + BT

Conditions	Position	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
5G WLAN Aux	Back side	0.897	-9.56	-3.23	-0.63	1.251	78.35	0.018	SPLSR<0.04, Not required
BT		0.354	-10.34	4.56	-0.33				



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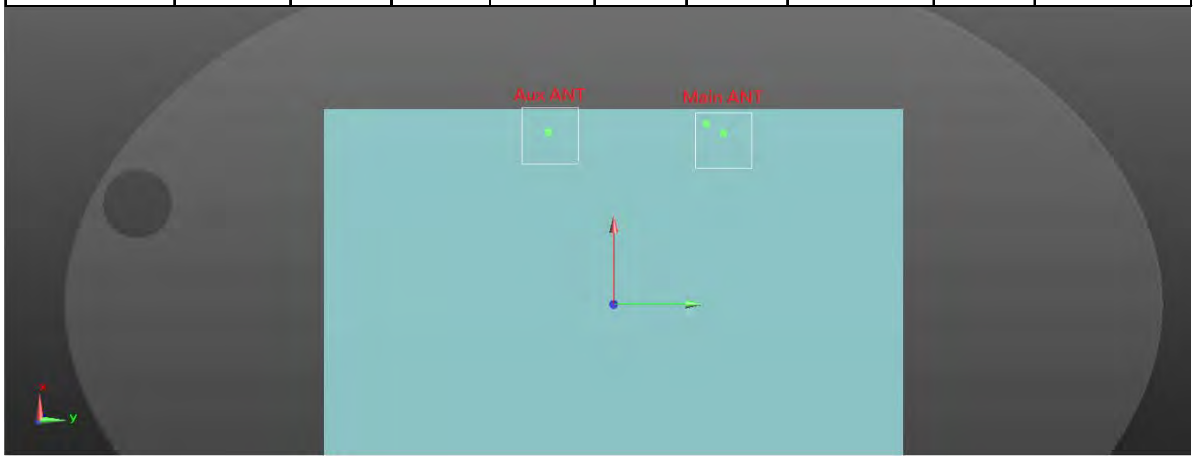
Notebook mode

WLAN 2.4 GHz Main + 2.4 GHz Aux

Conditions	Position	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
WLAN Main	Bottom side	0.916	9.18	5.88	-0.57	1.709	93.80	0.024	SPLSR<0.04, Not required
WLAN Aux		0.793	9.24	-3.50	-0.58				



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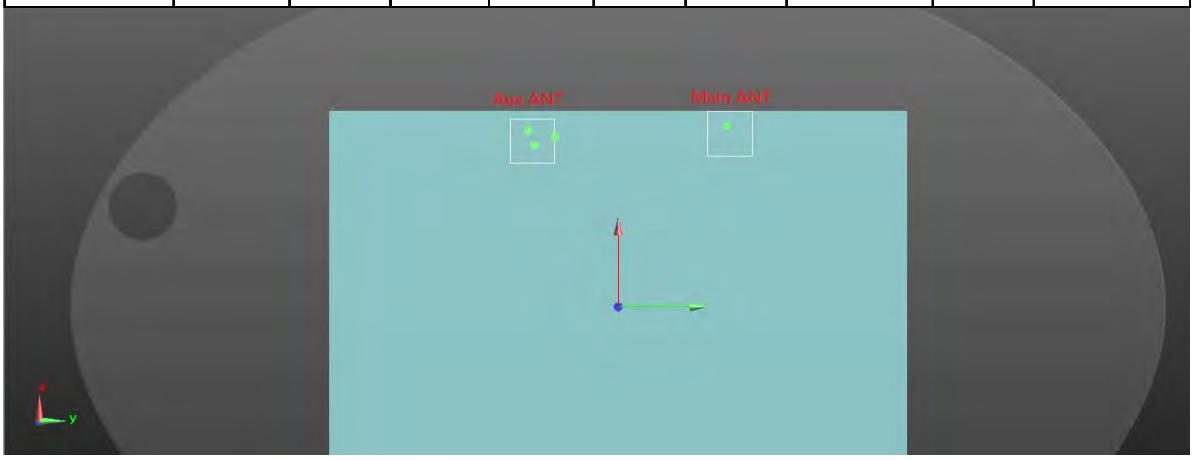
WLAN 5 GHz Main + 5 GHz Aux

Conditions	Position	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
WLAN Main	Bottom side	0.999	9.70	5.84	-0.56	1.727	92.57	0.025	SPLSR<0.04, Not required
WLAN Aux		0.728	9.14	-3.40	-0.58				



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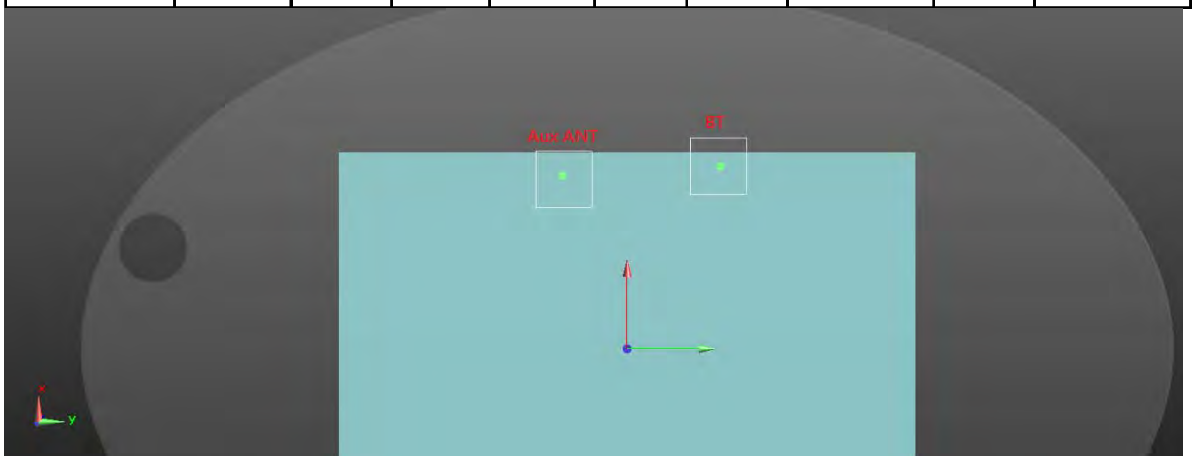
WLAN 2.4 GHz Aux + BT

Conditions	Position	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
2.4G WLAN Aux	Bottom side	0.793	9.24	-3.50	-0.58	1.317	85.41	0.018	SPLSR<0.04, Not required
BT		0.524	9.74	5.02	-0.26				



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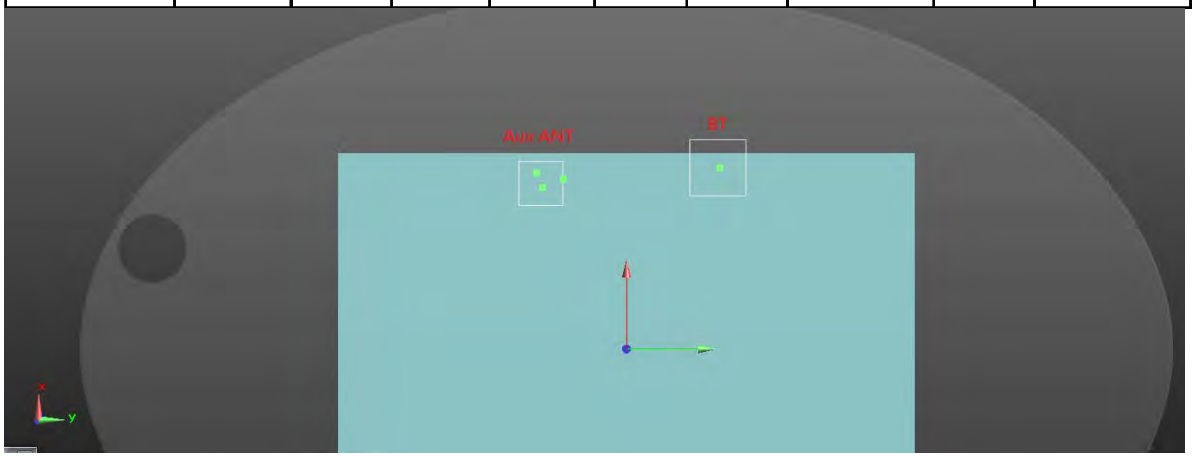
WLAN 5 GHz Aux + BT

Conditions	Position	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
5G WLAN Aux	Bottom side	0.728	9.14	-3.40	-0.58	1.252	84.47	0.017	SPLSR<0.04, Not required
BT		0.524	9.74	5.02	-0.26				



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Tablet mode

Scenario 1: WLAN 2.4G Main to WWAN and WLAN 2.4G Aux_Back side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	WLAN 2.4G Main	0.481	-10.14	4.94	-0.60	-	-	-	-
	WCDMA Band II	0.753	4.85	-13.05	-0.32	1.234	234.18	0.006	SPLSR ≤ 0.04, Not required
	WCDMA Band V	0.931	7.02	-13.68	-0.27	1.412	253.23	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 2	0.713	5.12	-13.05	-0.34	1.194	235.92	0.006	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.609	4.68	-13.38	-0.32	1.090	235.65	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.089	6.85	-13.68	-0.27	1.570	252.09	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 7	0.920	4.76	-13.16	-0.32	1.401	234.46	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.123	6.75	-13.99	-0.29	1.604	253.71	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.168	7.40	-13.66	-0.28	1.649	255.68	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.133	7.40	-13.66	-0.28	1.614	255.68	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.136	6.75	-13.99	-0.30	1.617	253.71	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 25	0.827	5.00	-13.05	-0.32	1.308	235.15	0.006	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.184	7.40	-13.51	-0.28	1.665	254.59	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.748	4.90	-12.96	-0.33	1.229	233.81	0.006	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.676	4.76	-13.16	-0.32	1.157	234.46	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.620	4.38	-13.26	-0.34	1.101	232.84	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.631	4.70	-12.96	-0.33	1.112	232.53	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.772	5.00	-13.05	-0.32	1.253	235.15	0.006	SPLSR ≤ 0.04, Not required
	LTE Band 71	0.849	4.86	-13.69	-0.31	1.330	239.20	0.006	SPLSR ≤ 0.04, Not required

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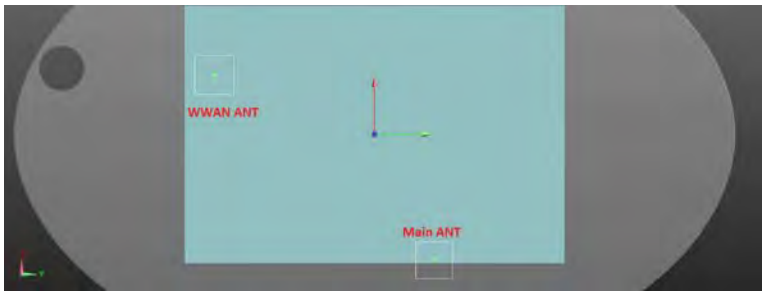
WWAN to 2.4G WLAN Main

WCDMA Band II



WCDMA Band V

LTE Band 2

LTE Band 4

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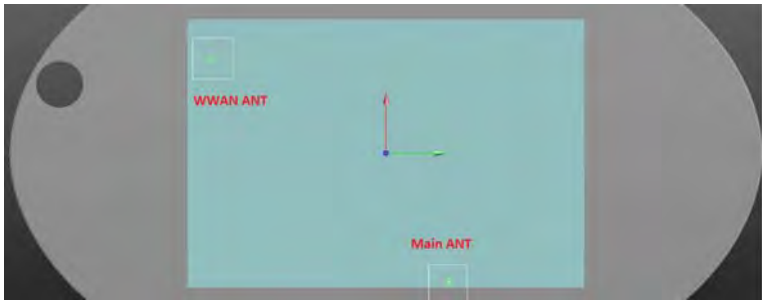
LTE Band 5

LTE Band 7

LTE Band 12

LTE Band 13



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LTE Band 14

LTE Band 17

LTE Band 25

LTE Band 26

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LTE Band 30

LTE Band 38

LTE Band 41

LTE Band 41(HPUE)

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LTE Band 66

LTE Band 71

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Scenario 1: WLAN 2.4G Aux to WWAN_Back side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	WLAN 2.4G Aux	0.929	-9.52	-3.56	-0.63	-	-	-	-
	WCDMA Band II	0.753	4.85	-13.05	-0.32	1.682	172.24	0.013	SPLSR ≤ 0.04, Not required
	WCDMA Band V	0.931	7.02	-13.68	-0.27	1.860	193.94	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 2	0.713	5.12	-13.05	-0.34	1.642	174.49	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.609	4.68	-13.38	-0.32	1.538	172.68	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.089	6.85	-13.68	-0.27	2.018	192.49	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 7	0.920	4.76	-13.16	-0.32	1.849	172.10	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.123	6.75	-13.99	-0.29	2.052	193.29	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.168	7.40	-13.66	-0.28	2.097	197.08	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.133	7.40	-13.66	-0.28	2.062	197.08	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.136	6.75	-13.99	-0.30	2.065	193.29	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 25	0.827	5.00	-13.05	-0.32	1.756	173.49	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.184	7.40	-13.51	-0.28	2.113	196.32	0.016	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.748	4.90	-12.96	-0.33	1.677	172.16	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.676	4.76	-13.16	-0.32	1.605	172.10	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.620	4.38	-13.26	-0.34	1.549	169.52	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.631	4.70	-12.96	-0.33	1.560	170.49	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.772	5.00	-13.05	-0.32	1.701	173.49	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 71	0.849	4.86	-13.69	-0.31	1.778	175.93	0.013	SPLSR ≤ 0.04, Not required

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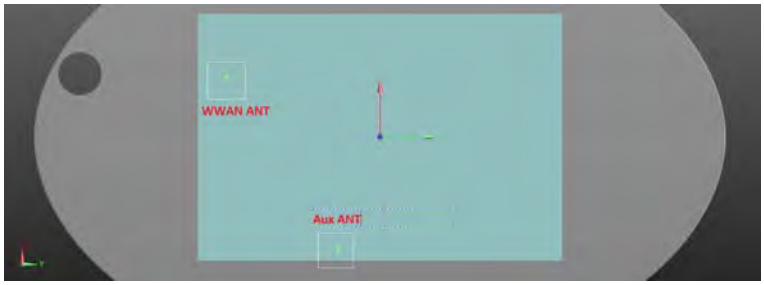
WWAN to 2.4 WLAN to Aux

WCDMA Band II

WCDMA Band V

LTE Band 2



LTE Band 4

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LTE Band 5

LTE Band 7

LTE Band 12

LTE Band 13

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LTE Band 14

LTE Band 17

LTE Band 25

LTE Band 26

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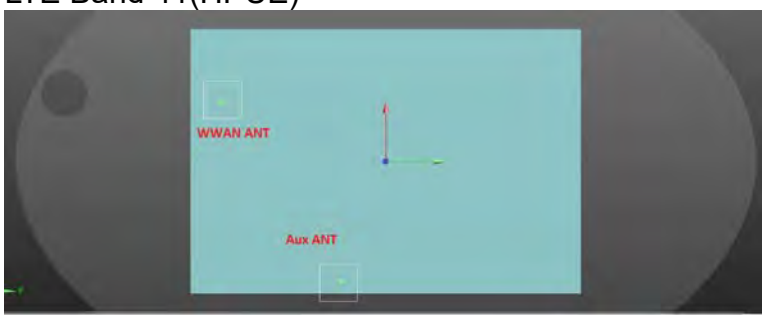
LTE Band 30

LTE Band 38

LTE Band 41

LTE Band 41(HPUE)



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LTE Band 66

LTE Band 71

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Scenario 2: WLAN 5G Main to WWAN and WLAN 5G Aux_Back side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	WLAN 5G Main	0.998	-0.97	0.56	-0.61	-	-	-	-
	WCDMA Band II	0.753	4.85	-13.05	-0.32	1.751	148.05	0.016	SPLSR ≤ 0.04, Not required
	WCDMA Band V	0.931	7.02	-13.68	-0.27	1.929	163.32	0.016	SPLSR ≤ 0.04, Not required
	LTE Band 2	0.713	5.12	-13.05	-0.34	1.711	149.13	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.609	4.68	-13.38	-0.32	1.607	150.44	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.089	6.85	-13.68	-0.27	2.087	162.49	0.019	SPLSR ≤ 0.04, Not required
	LTE Band 7	0.920	4.76	-13.16	-0.32	1.918	148.71	0.018	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.123	6.75	-13.99	-0.29	2.121	164.74	0.019	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.168	7.40	-13.66	-0.28	2.166	165.04	0.019	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.133	7.40	-13.66	-0.28	2.131	165.04	0.019	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.136	6.75	-13.99	-0.30	2.134	164.74	0.019	SPLSR ≤ 0.04, Not required
	LTE Band 25	0.827	5.00	-13.05	-0.32	1.825	148.65	0.017	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.184	7.40	-13.51	-0.28	2.182	163.75	0.020	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.748	4.90	-12.96	-0.33	1.746	147.42	0.016	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.676	4.76	-13.16	-0.32	1.674	148.71	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.620	4.38	-13.26	-0.34	1.618	148.22	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.631	4.70	-12.96	-0.33	1.629	146.64	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.772	5.00	-13.05	-0.32	1.770	148.65	0.016	SPLSR ≤ 0.04, Not required
	LTE Band 71	0.849	4.86	-13.69	-0.31	1.847	153.99	0.016	SPLSR ≤ 0.04, Not required

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WWAN to 5G to WLAN Main

WCDMA Band II

WCDMA Band V

LTE Band 2

LTE Band 4

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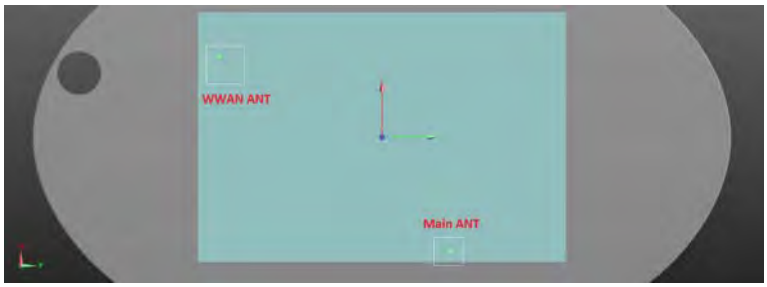
LTE Band 5



LTE Band 7

LTE Band 12

LTE Band 13

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LTE Band 14

LTE Band 17

LTE Band 25

LTE Band 26

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LTE Band 30

LTE Band 38

LTE Band 41

LTE Band 41(HPUE)

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LTE Band 66

LTE Band 71

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Scenario 2: WLAN 5G Aux to WWAN_Back side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	WLAN 5G Aux	0.897	-9.56	-3.23	-0.63	-	-	-	-
	WCDMA Band II	0.753	4.85	-13.05	-0.32	1.650	174.41	0.012	SPLSR ≤ 0.04, Not required
	WCDMA Band V	0.931	7.02	-13.68	-0.27	1.828	196.02	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 2	0.713	5.12	-13.05	-0.34	1.610	176.64	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.609	4.68	-13.38	-0.32	1.506	174.90	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.089	6.85	-13.68	-0.27	1.986	194.58	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 7	0.920	4.76	-13.16	-0.32	1.817	174.29	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.123	6.75	-13.99	-0.29	2.020	195.42	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.168	7.40	-13.66	-0.28	2.065	199.14	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.133	7.40	-13.66	-0.28	2.030	199.14	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.136	6.75	-13.99	-0.30	2.033	195.42	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 25	0.827	5.00	-13.05	-0.32	1.724	175.65	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.184	7.40	-13.51	-0.28	2.081	198.35	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.748	4.90	-12.96	-0.33	1.645	174.32	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.676	4.76	-13.16	-0.32	1.573	174.29	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.620	4.38	-13.26	-0.34	1.517	171.76	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.631	4.70	-12.96	-0.33	1.528	172.66	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.772	5.00	-13.05	-0.32	1.669	175.65	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 71	0.849	4.86	-13.69	-0.31	1.746	178.17	0.013	SPLSR ≤ 0.04, Not required

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WWAN to 5G to WLAN Aux

WCDMA Band II

WCDMA Band V

LTE Band 2

LTE Band 4

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LTE Band 5

LTE Band 7

LTE Band 12

LTE Band 13

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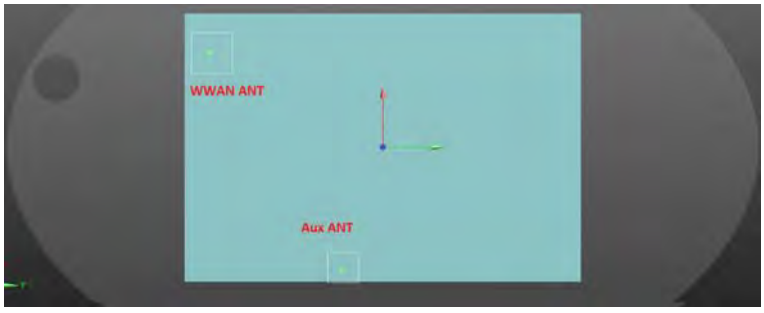
LTE Band 14

LTE Band 17

LTE Band 25

LTE Band 26



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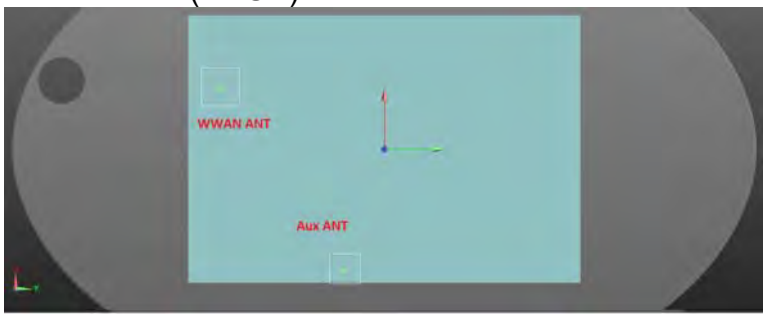
LTE Band 30

LTE Band 38

LTE Band 41

LTE Band 41(HPUE)



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LTE Band 66

LTE Band 71

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Scenario 3: Bluetooth to WWAN_Back side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	Bluetooth	0.354	-10.34	4.86	-0.33	-	-	-	-
	WCDMA Band II	0.753	4.85	-13.05	-0.32	1.107	234.84	0.005	SPLSR ≤ 0.04, Not required
	WCDMA Band V	0.931	7.02	-13.68	-0.27	1.285	253.99	0.006	SPLSR ≤ 0.04, Not required
	LTE Band 2	0.713	5.12	-13.05	-0.34	1.067	236.60	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.609	4.68	-13.38	-0.32	0.963	236.28	0.004	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.089	6.85	-13.68	-0.27	1.443	252.83	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 7	0.920	4.76	-13.16	-0.32	1.274	235.10	0.006	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.123	6.75	-13.99	-0.29	1.477	254.44	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.168	7.40	-13.66	-0.28	1.522	256.46	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.133	7.40	-13.66	-0.28	1.487	256.46	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.136	6.75	-13.99	-0.30	1.490	254.44	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 25	0.827	5.00	-13.05	-0.32	1.181	235.81	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.184	7.40	-13.51	-0.28	1.538	255.38	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.748	4.90	-12.96	-0.33	1.102	234.48	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.676	4.76	-13.16	-0.32	1.030	235.10	0.004	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.620	4.38	-13.26	-0.34	0.974	233.46	0.004	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.631	4.70	-12.96	-0.33	0.985	233.19	0.004	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.772	5.00	-13.05	-0.32	1.126	235.81	0.005	SPLSR ≤ 0.04, Not required
	LTE Band 71	0.849	4.86	-13.69	-0.31	1.203	239.82	0.006	SPLSR ≤ 0.04, Not required

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WWAN to Bluetooth

WCDMA Band II

WCDMA Band V

LTE Band 2

LTE Band 4

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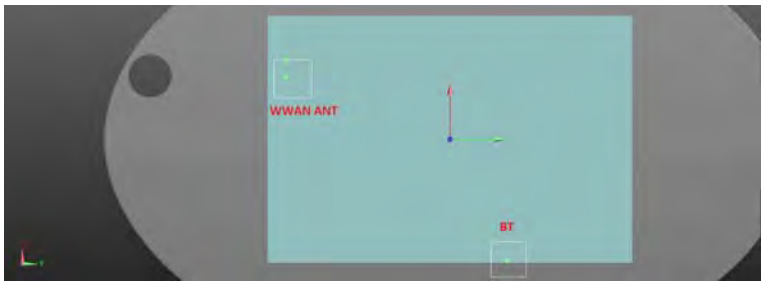
LTE Band 5

LTE Band 7

LTE Band 12



LTE Band 13

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LTE Band 14

LTE Band 17

LTE Band 25

LTE Band 26

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LTE Band 30

LTE Band 38

LTE Band 41

LTE Band 41(HPUE)

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LTE Band 66

LTE Band 71

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Notebook mode

Scenario 1: WLAN 2.4G Main to WWAN and WLAN 2.4G Aux_Bottom side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom side	WLAN 2.4G Main	0.916	9.18	5.88	-0.57	-	-	-	-
	WCDMA Band II	1.093	-4.60	-13.24	-0.36	2.009	235.69	0.012	SPLSR ≤ 0.04, Not required
	WCDMA Band V	1.133	-5.55	-13.53	-0.31	2.049	243.68	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 2	1.150	-4.60	-13.24	-0.35	2.066	235.69	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.824	-4.13	-13.24	-0.36	1.740	232.98	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.115	-5.94	-13.84	-0.32	2.031	248.51	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 7	1.099	-6.50	-12.86	-0.34	2.015	244.36	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.091	-5.76	-14.14	-0.33	2.007	249.81	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.086	-5.56	-13.83	-0.34	2.002	246.13	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.143	-4.95	-13.83	-0.28	2.059	242.53	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.195	-5.76	-14.14	-0.57	2.111	249.80	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 25	1.184	-4.60	-13.24	-0.35	2.100	235.69	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.000	-5.70	-13.84	-0.27	1.916	247.06	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.974	-4.16	-13.48	-0.35	1.890	235.12	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.775	-6.40	-12.86	-0.32	1.691	243.72	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.840	-6.60	-13.16	-0.33	1.756	247.30	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.848	-6.70	-12.84	-0.34	1.764	245.49	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.895	-4.41	-13.20	-0.36	1.811	234.26	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 71	1.102	-4.67	-14.38	-0.30	2.018	245.43	0.012	SPLSR ≤ 0.04, Not required

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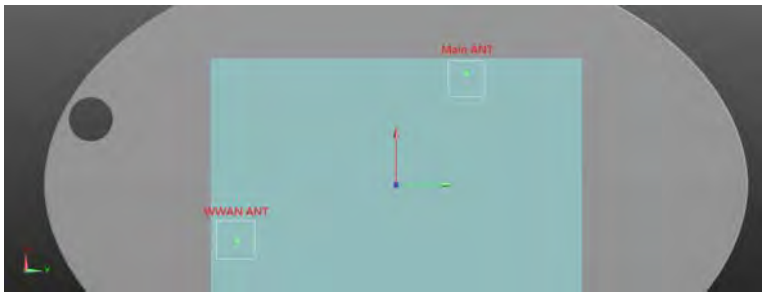
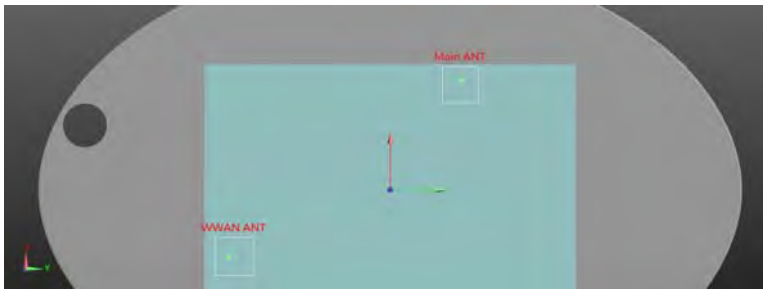
WWAN to 2.4G WLAN Main

WCDMA Band II



WCDMA Band V



LTE Band 2

LTE Band 4

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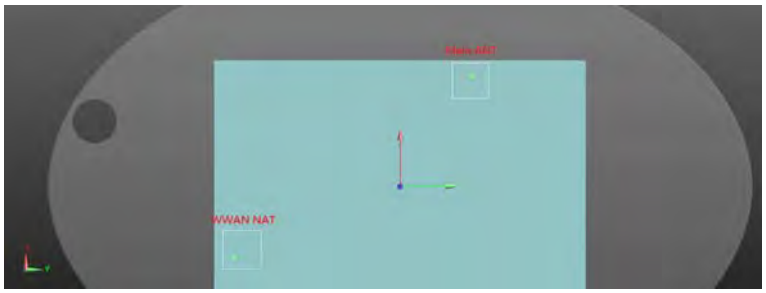
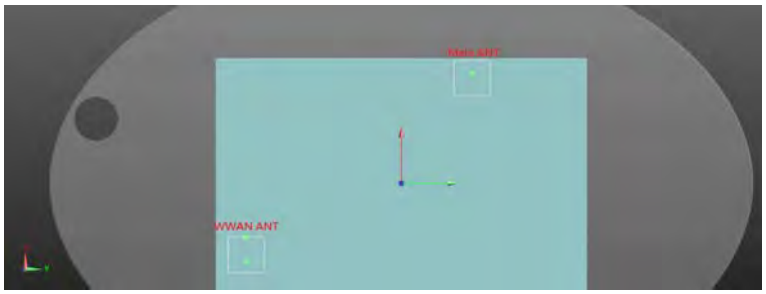
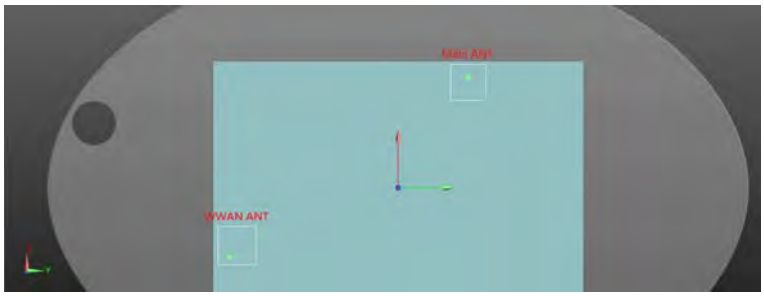
LTE Band 5



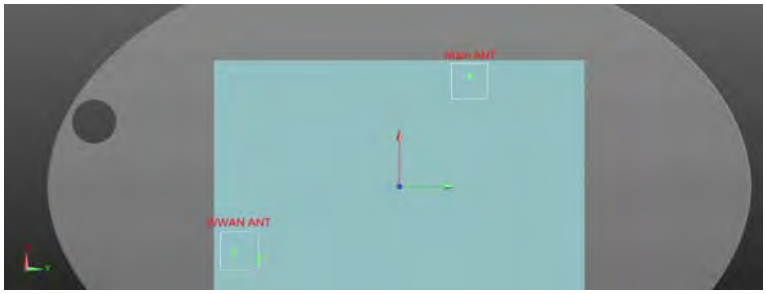
LTE Band 7



LTE Band 12



LTE Band 13



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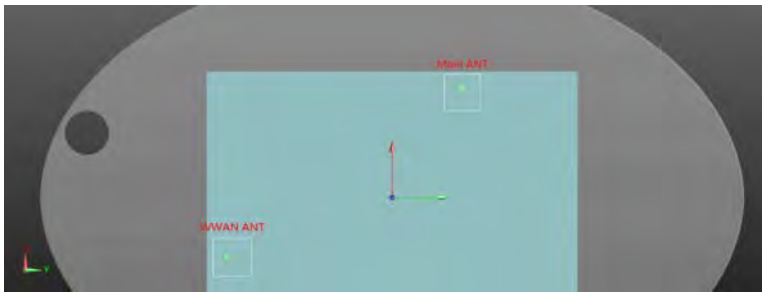
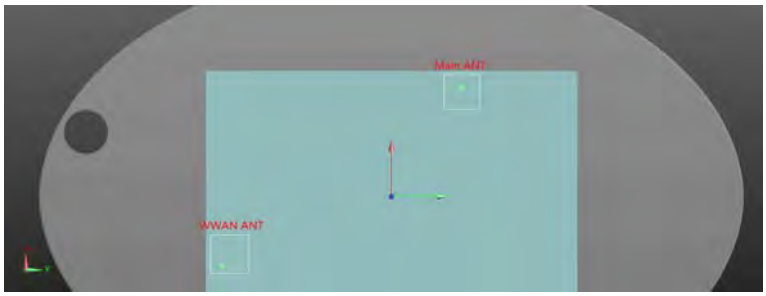
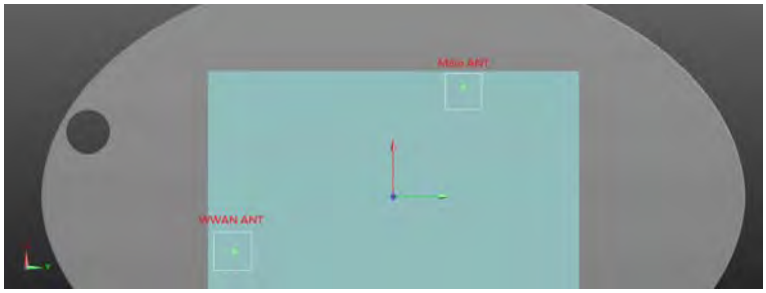
LTE Band 14



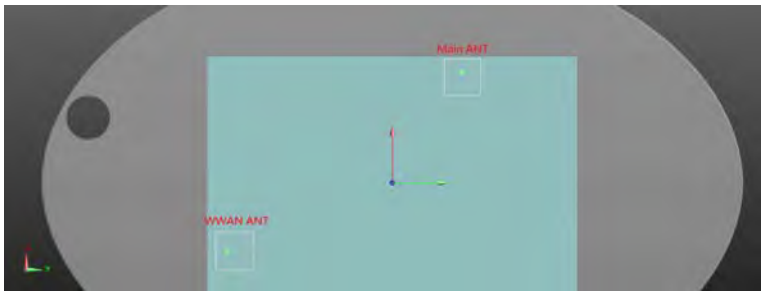
LTE Band 17



LTE Band 25



LTE Band 26



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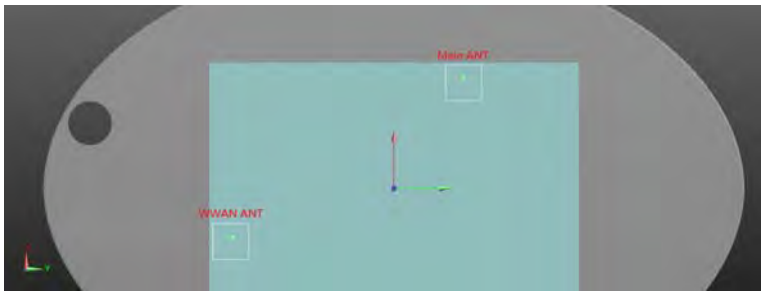
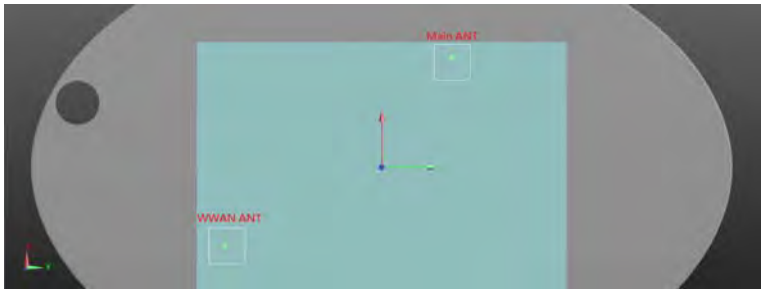
LTE Band 30



LTE Band 38

LTE Band 41



LTE Band 41(HPUE)

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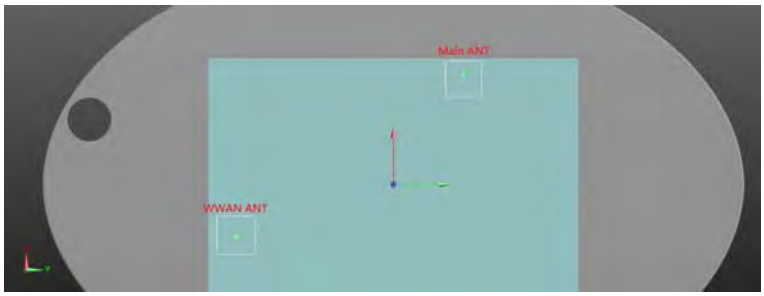
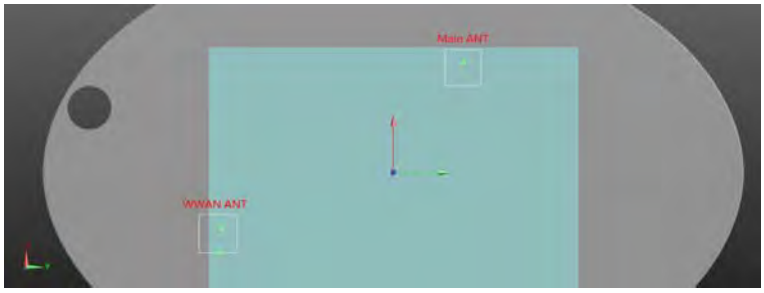
LTE Band 66



LTE Band 71



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Scenario 1: WLAN 2.4G Aux to WWAN_Bottom side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom side	WLAN 2.4G Aux	0.793	9.24	-3.50	-0.58	-	-	-	-
	WCDMA Band II	1.093	-4.60	-13.24	-0.36	1.886	169.25	0.015	SPLSR ≤ 0.04, Not required
	WCDMA Band V	1.133	-5.55	-13.53	-0.31	1.926	178.72	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 2	1.150	-4.60	-13.24	-0.35	1.943	169.25	0.016	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.824	-4.13	-13.24	-0.36	1.617	165.43	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.115	-5.94	-13.84	-0.32	1.908	183.69	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 7	1.099	-6.50	-12.86	-0.34	1.892	183.14	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.091	-5.76	-14.14	-0.33	1.884	183.92	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.086	-5.56	-13.83	-0.34	1.879	180.50	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.143	-4.95	-13.83	-0.28	1.936	175.54	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.195	-5.76	-14.14	-0.57	1.988	183.90	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 25	1.184	-4.60	-13.24	-0.35	1.977	169.25	0.016	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.000	-5.70	-13.84	-0.27	1.793	181.72	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.974	-4.16	-13.48	-0.35	1.767	167.10	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.775	-6.40	-12.86	-0.32	1.568	182.29	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.840	-6.60	-13.16	-0.33	1.633	185.55	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.848	-6.70	-12.84	-0.34	1.641	184.76	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.895	-4.41	-13.20	-0.36	1.688	167.47	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 71	1.102	-4.67	-14.38	-0.30	1.895	176.62	0.015	SPLSR ≤ 0.04, Not required

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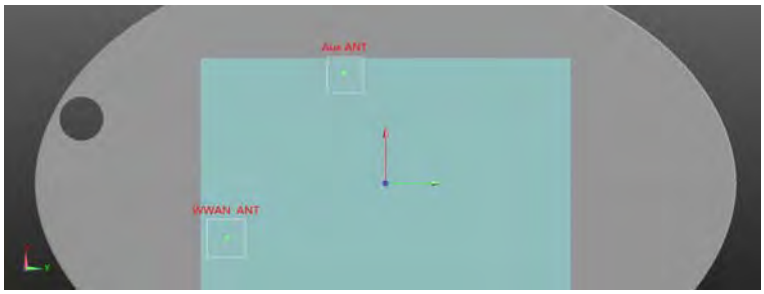
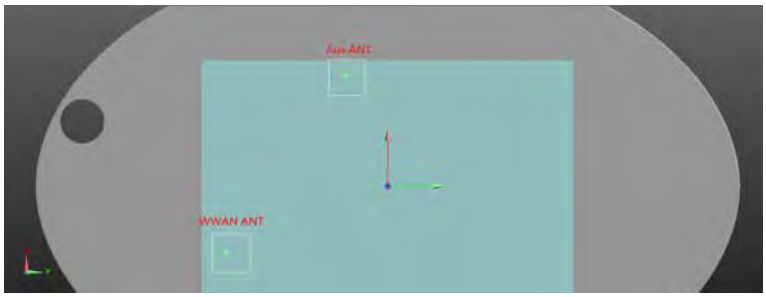
WWAN to 2.4 WLAN to Aux

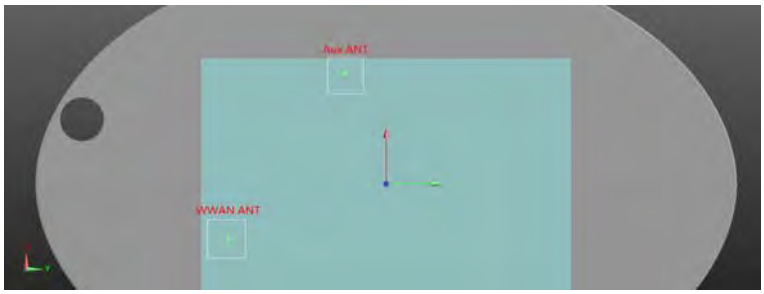
WCDMA Band II



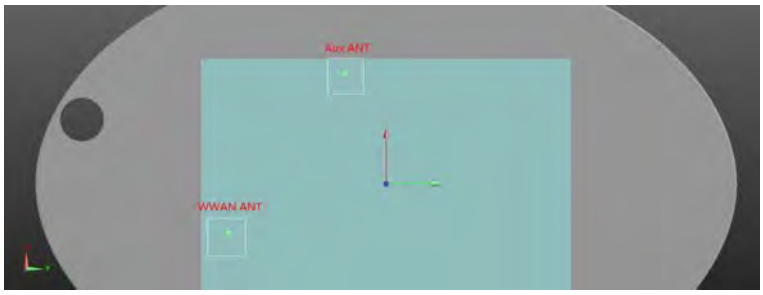
WCDMA Band V



LTE Band 2



LTE Band 4



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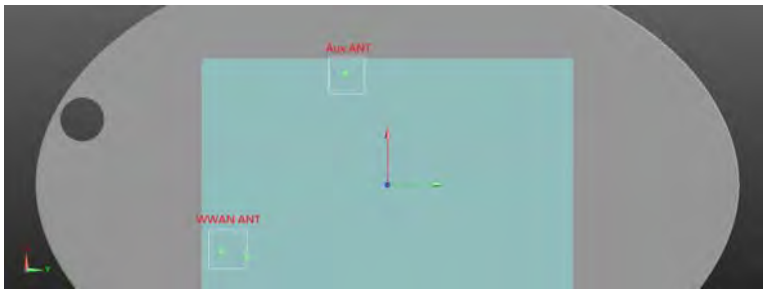
LTE Band 5

LTE Band 7

LTE Band 12

LTE Band 13



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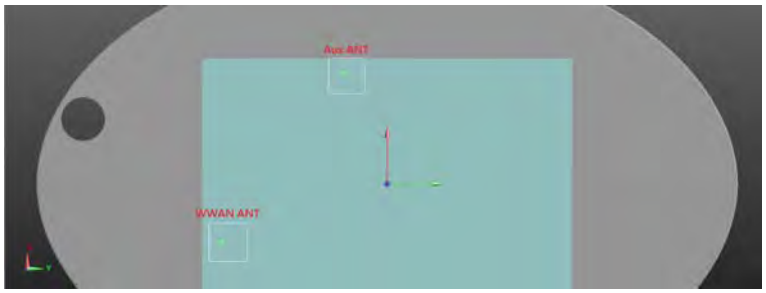
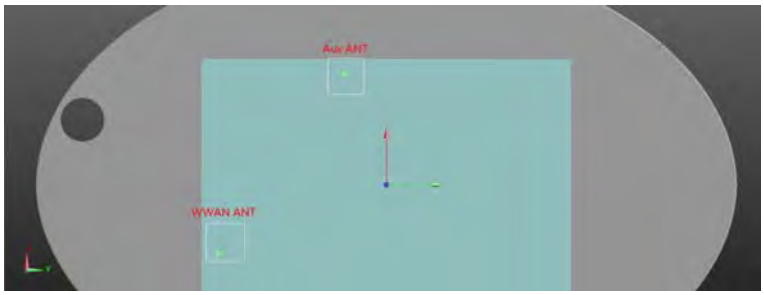
LTE Band 14



LTE Band 17



LTE Band 25

LTE Band 26

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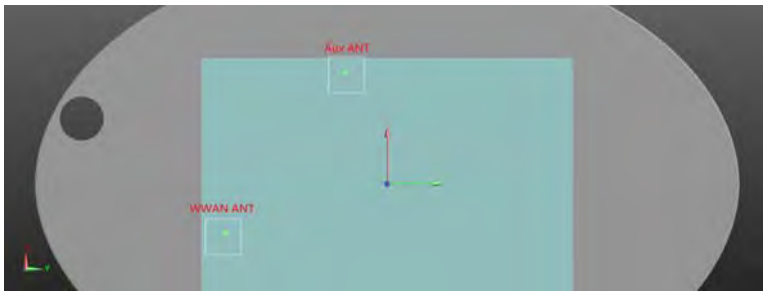
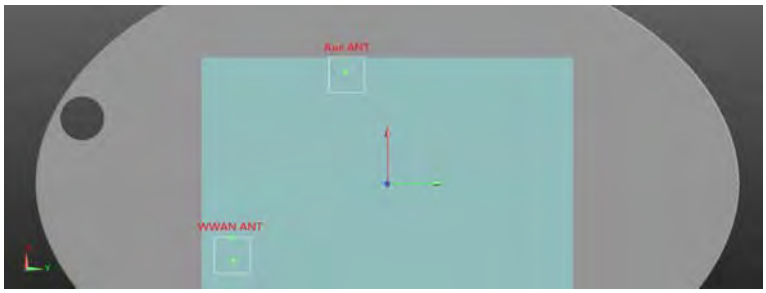
LTE Band 30



LTE Band 38



LTE Band 41

LTE Band 41(HPUE)

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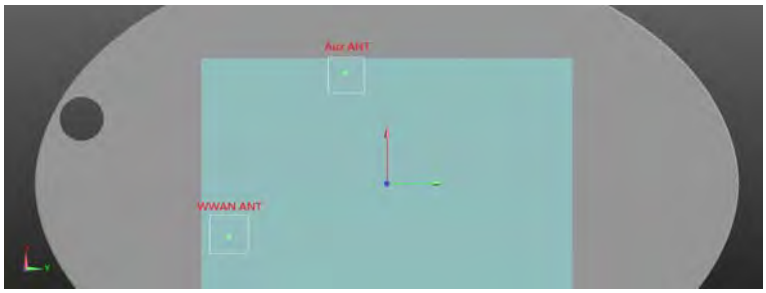
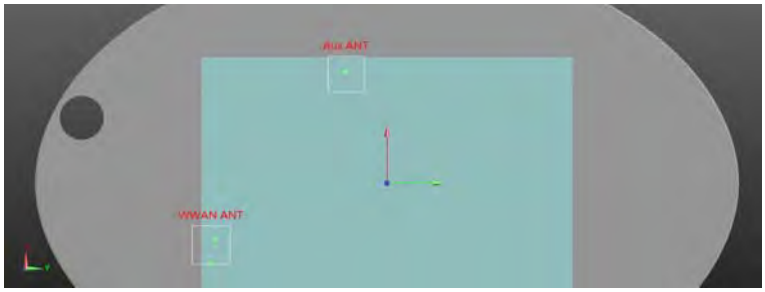
LTE Band 66



LTE Band 71



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Scenario 2: WLAN 5G Main to WWAN and WLAN 5G Aux_Bottom side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom side	WLAN 5G Main	0.999	9.70	5.84	-0.56	-	-	-	-
	WCDMA Band II	1.093	-4.60	-13.24	-0.36	2.092	238.45	0.013	SPLSR ≤ 0.04, Not required
	WCDMA Band V	1.133	-5.55	-13.53	-0.31	2.132	246.54	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 2	1.150	-4.60	-13.24	-0.35	2.149	238.45	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.824	-4.13	-13.24	-0.36	1.823	235.66	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.115	-5.94	-13.84	-0.32	2.114	251.39	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 7	1.099	-6.50	-12.86	-0.34	2.098	247.42	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.091	-5.76	-14.14	-0.33	2.090	252.64	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.086	-5.56	-13.83	-0.34	2.085	248.96	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.143	-4.95	-13.83	-0.28	2.142	245.28	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.195	-5.76	-14.14	-0.57	2.194	252.63	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 25	1.184	-4.60	-13.24	-0.35	2.183	238.45	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.000	-5.70	-13.84	-0.27	1.999	249.91	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.974	-4.16	-13.48	-0.35	1.973	237.78	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.775	-6.40	-12.86	-0.32	1.774	246.77	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.840	-6.60	-13.16	-0.33	1.839	250.35	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.848	-6.70	-12.84	-0.34	1.847	248.59	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.895	-4.41	-13.20	-0.36	1.894	236.99	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 71	1.102	-4.67	-14.38	-0.30	2.101	248.07	0.012	SPLSR ≤ 0.04, Not required

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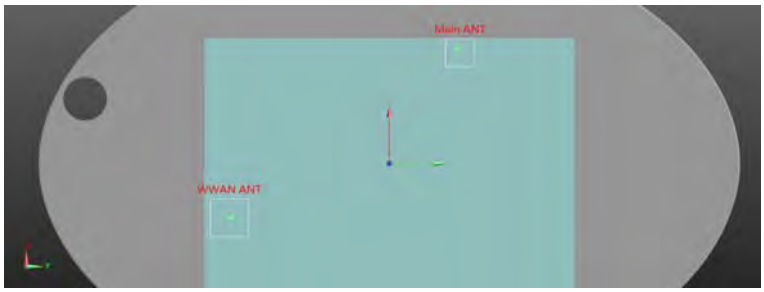
WWAN to 5G to WLAN Main

WCDMA Band II



WCDMA Band V

LTE Band 2

LTE Band 4

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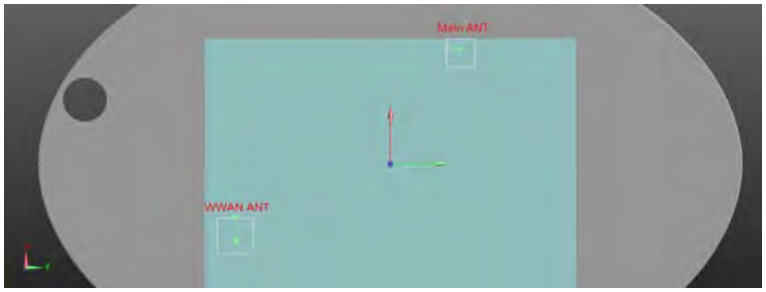
LTE Band 5

LTE Band 7



LTE Band 12

LTE Band 13

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LTE Band 14

LTE Band 17

LTE Band 25

LTE Band 26

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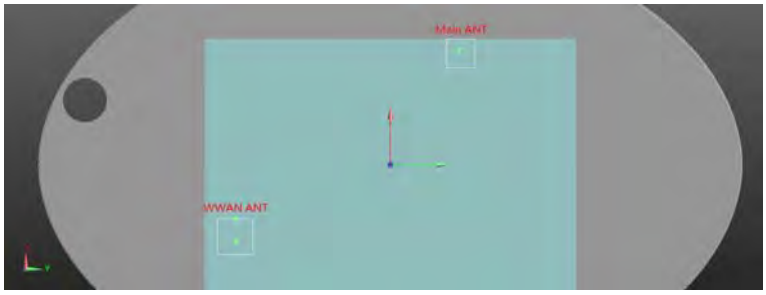
LTE Band 30

LTE Band 38



LTE Band 41

LTE Band 41(HPUE)

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LTE Band 66

LTE Band 71

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Scenario 2: WLAN 5G Aux to WWAN_Bottom side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom side	WLAN 5G Aux	0.728	9.14	-3.40	-0.58	-	-	-	-
	WCDMA Band II	1.093	-4.60	-13.24	-0.36	1.821	169.02	0.015	SPLSR ≤ 0.04, Not required
	WCDMA Band V	1.133	-5.55	-13.53	-0.31	1.861	178.46	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 2	1.150	-4.60	-13.24	-0.35	1.878	169.02	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.824	-4.13	-13.24	-0.36	1.552	165.22	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.115	-5.94	-13.84	-0.32	1.843	183.43	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 7	1.099	-6.50	-12.86	-0.34	1.827	182.80	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.091	-5.76	-14.14	-0.33	1.819	183.69	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.086	-5.56	-13.83	-0.34	1.814	180.26	0.014	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.143	-4.95	-13.83	-0.28	1.871	175.33	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.195	-5.76	-14.14	-0.57	1.923	183.67	0.015	SPLSR ≤ 0.04, Not required
	LTE Band 25	1.184	-4.60	-13.24	-0.35	1.912	169.02	0.016	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.000	-5.70	-13.84	-0.27	1.728	181.47	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.974	-4.16	-13.48	-0.35	1.702	166.90	0.013	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.775	-6.40	-12.86	-0.32	1.503	181.95	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.840	-6.60	-13.16	-0.33	1.568	185.22	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.848	-6.70	-12.84	-0.34	1.576	184.41	0.011	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.895	-4.41	-13.20	-0.36	1.623	167.24	0.012	SPLSR ≤ 0.04, Not required
	LTE Band 71	1.102	-4.67	-14.38	-0.30	1.830	176.45	0.014	SPLSR ≤ 0.04, Not required

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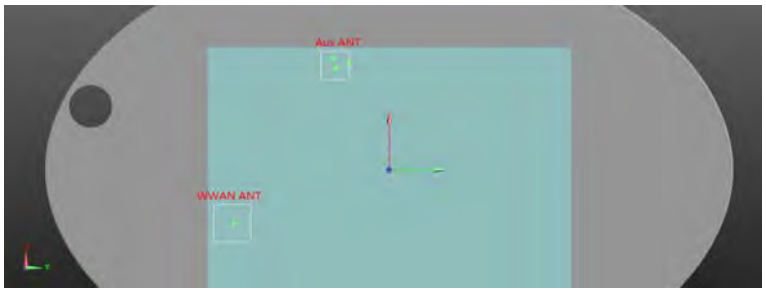
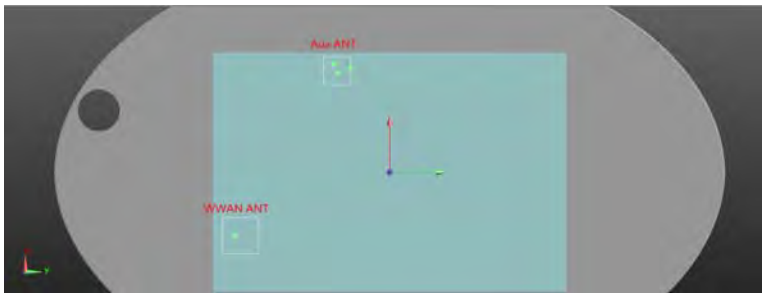
WWAN to 5G to WLAN Aux

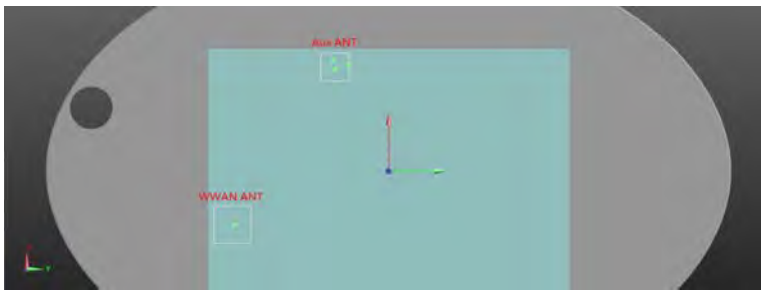
WCDMA Band II



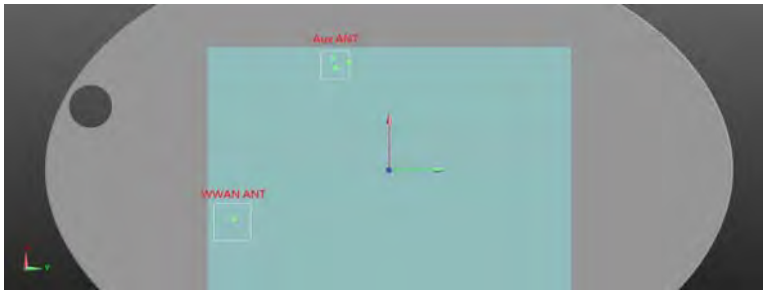
WCDMA Band V



LTE Band 2



LTE Band 4



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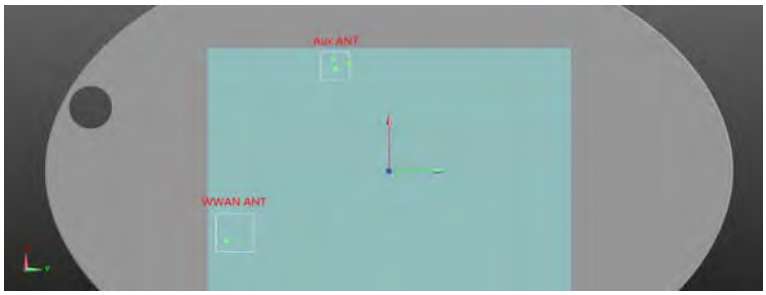
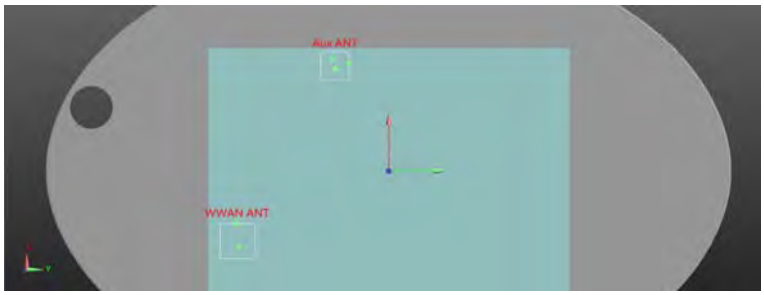
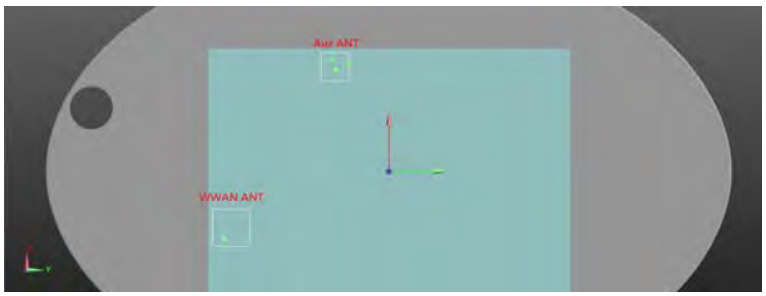
LTE Band 5



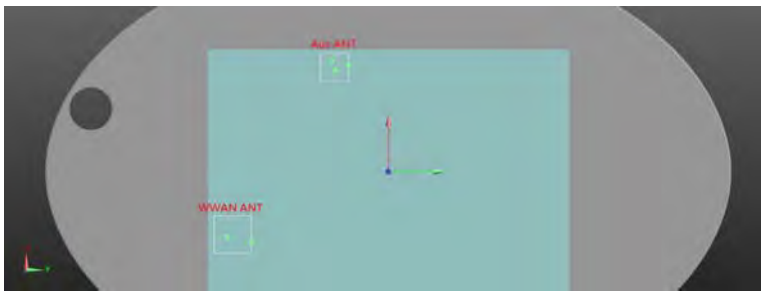
LTE Band 7



LTE Band 12



LTE Band 13



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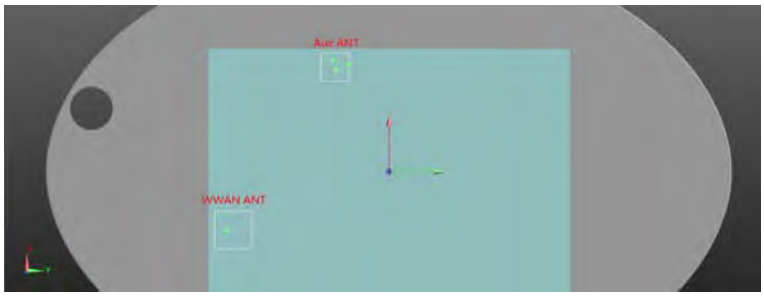
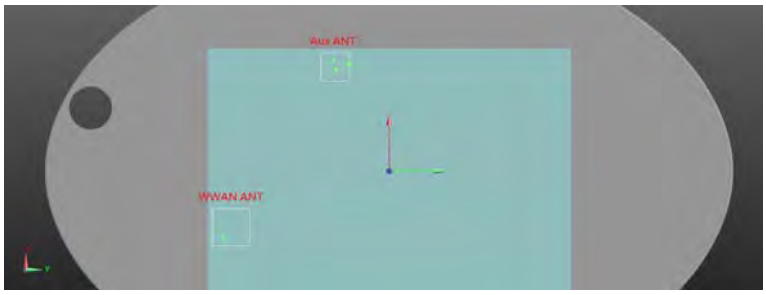
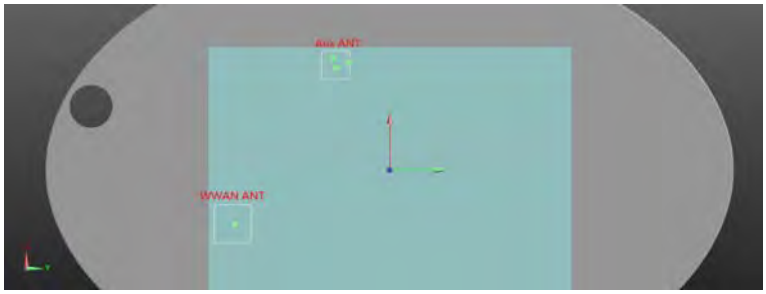
LTE Band 14



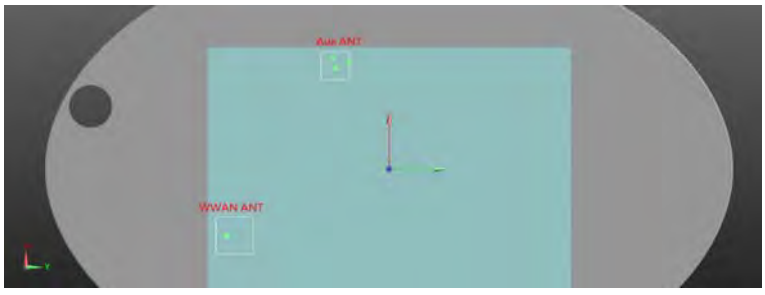
LTE Band 17



LTE Band 25



LTE Band 26



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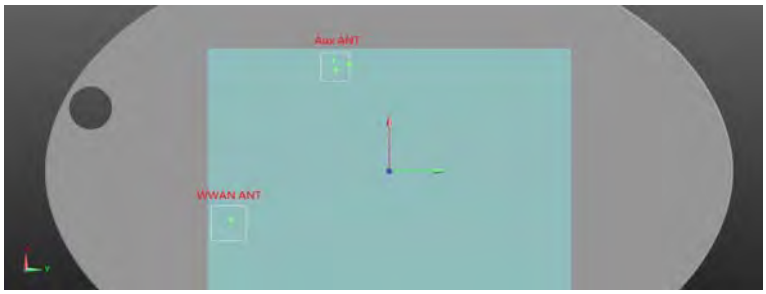
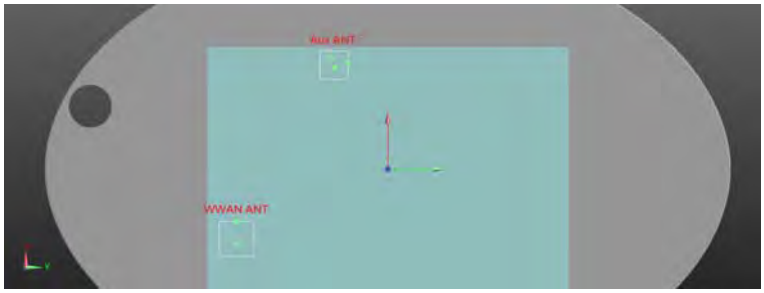
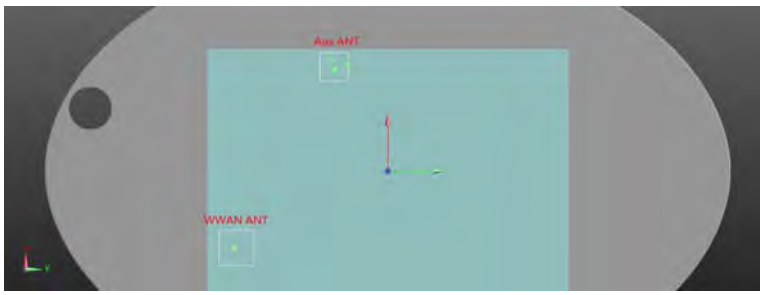
LTE Band 30



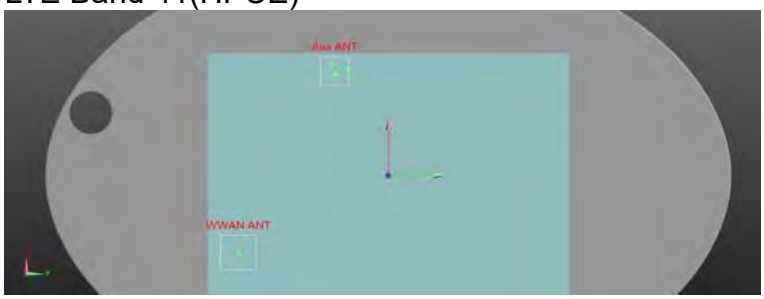
LTE Band 38



LTE Band 41



LTE Band 41(HPUE)



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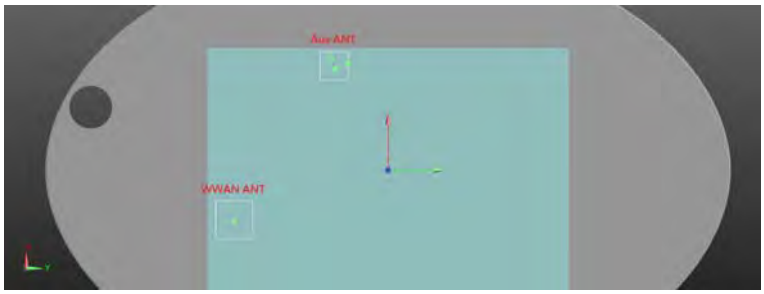
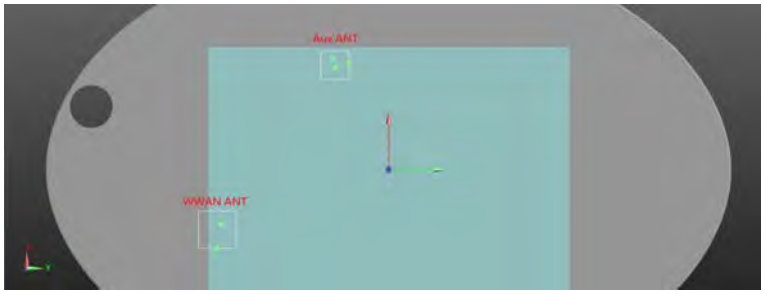
LTE Band 66



LTE Band 71



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Scenario 3: Bluetooth to WWAN_Bottom side									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom side	Bluetooth	0.524	9.74	5.02	-0.26	-	-	-	-
	WCDMA Band II	1.093	-4.60	-13.24	-0.36	1.617	232.18	0.009	SPLSR ≤ 0.04, Not required
	WCDMA Band V	1.133	-5.55	-13.53	-0.31	1.657	240.39	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 2	1.150	-4.60	-13.24	-0.35	1.674	232.18	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 4	0.824	-4.13	-13.24	-0.36	1.348	229.31	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 5	1.115	-5.94	-13.84	-0.32	1.639	245.27	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 7	1.099	-6.50	-12.86	-0.34	1.623	241.54	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 12	1.091	-5.76	-14.14	-0.33	1.615	246.45	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 13	1.086	-5.56	-13.83	-0.34	1.610	242.78	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 14	1.143	-4.95	-13.83	-0.28	1.667	238.98	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 17	1.195	-5.76	-14.14	-0.57	1.719	246.47	0.009	SPLSR ≤ 0.04, Not required
	LTE Band 25	1.184	-4.60	-13.24	-0.35	1.708	232.18	0.010	SPLSR ≤ 0.04, Not required
	LTE Band 26	1.000	-5.70	-13.84	-0.27	1.524	243.74	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 30	0.974	-4.16	-13.48	-0.35	1.498	231.40	0.008	SPLSR ≤ 0.04, Not required
	LTE Band 38	0.775	-6.40	-12.86	-0.32	1.299	240.87	0.006	SPLSR ≤ 0.04, Not required
	LTE Band 41	0.840	-6.60	-13.16	-0.33	1.364	244.44	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 41 (HPUE)	0.848	-6.70	-12.84	-0.34	1.372	242.75	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 66	0.895	-4.41	-13.20	-0.36	1.419	230.69	0.007	SPLSR ≤ 0.04, Not required
	LTE Band 71	1.102	-4.67	-14.38	-0.30	1.626	241.66	0.009	SPLSR ≤ 0.04, Not required

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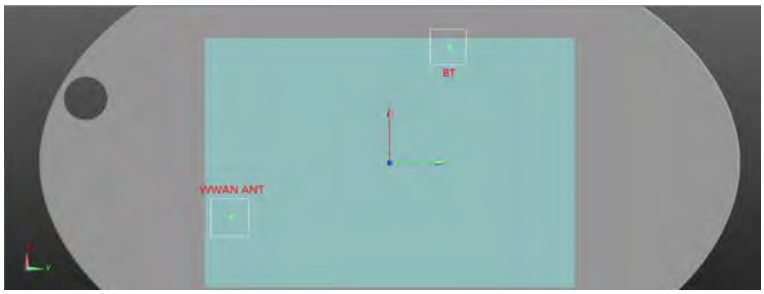
WWAN to Bluetooth

WCDMA Band II



WCDMA Band V

LTE Band 2

LTE Band 4

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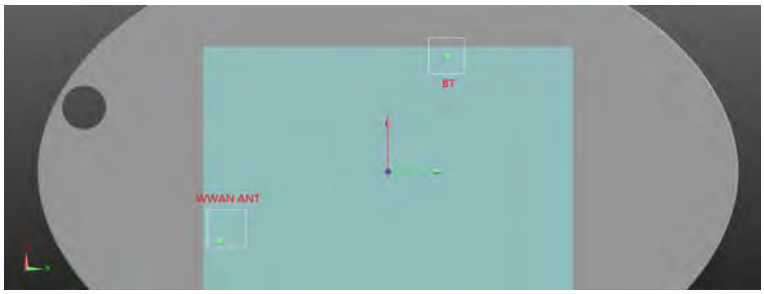
LTE Band 5

LTE Band 7

LTE Band 12



LTE Band 13

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LTE Band 14

LTE Band 17

LTE Band 25

LTE Band 26

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LTE Band 30

LTE Band 38

LTE Band 41

LTE Band 41(HPUE)

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LTE Band 66

LTE Band 71

Conclusion:

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

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4. Instruments List

Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field Probe	EX3DV4	3938	Feb.27,2020	Feb.26,2021
			7466	Feb.04,2020	Feb.03,2021
SPEAG	System Validation Dipole	D750V3	1015	Aug.13,2020	Aug.12,2021
		D835V2	4d063	Aug.13,2020	Aug.12,2021
		D1750V2	1008	Aug.14,2020	Aug.13,2021
		D1900V2	5d173	Apr.22,2020	Apr.21,2021
		D2300V2	1023	Aug.13,2020	Aug.12,2021
		D2450V2	727	Apr.22,2020	Apr.21,2021
		D2600V2	1005	Jan.29,2020	Jan.28,2021
		D5GHzV2	1023	Jan.28,2020	Jan.27,2021
SPEAG	Data acquisition Electronics	DAE4	547	Mar.17,2020	Mar.16,2021
			1336	Aug.13,2020	Aug.12,2021
SPEAG	Software	DASY 52 V52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Jan.28,2020	Jan.27,2021
Agilent	Dual-directional coupler	772D	MY46151242	Aug.17,2020	Aug.16,2021
		778D	MY48220468	Aug.17,2020	Aug.16,2021
Agilent	RF Signal Generator	N5181A	MY50141235	May.04,2020	May.03,2021
Agilent	Power Meter	E4417A	MY51410006	Mar.09,2020	Mar.08,2021
Agilent	Power Sensor	E9301H	MY51470001	Mar.09,2020	Mar.08,2021
			MY51470002	Mar.09,2020	Mar.08,2021

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Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
TECPEL	Digital thermometer	DTM-303A	TP130074	Apr.10,2020	Apr.09,2021
Anritsu	Radio Communication Test	MT8820C	6201061014	Apr.28,2020	Apr.27,2021
Anritsu	Radio Communication Test	MT8821C (*1)	6262044739	Dec.02.2020	Dec.01.2021
R&S	Radio Communication Test	CMW 500 (*2)	125470	Dec.11,2019	Dec.10,2020

Note:

(*1) The equipment is used between 2020/12/22~2020/12/28.

(*2) The equipment is used between 2020/11/13~2020/11/22.

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5. Measurements

Date: 2020/11/19

Report No. : E5/2020/B0003

WCDMA Band II_Body_Bottom side_CH 9262_14mm

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1852.4 MHz; σ = 1.402 S/m; ε_r = 40.164; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.800 W/kg

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

Reference Value = 1.948 V/m; Power Drift = 0.03 dB

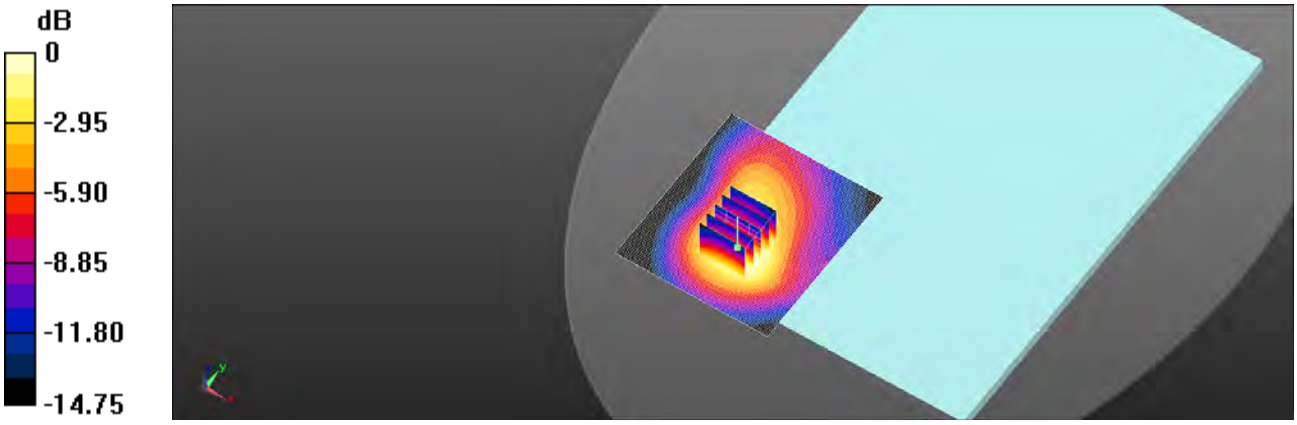
Peak SAR (extrapolated) = 0.944 W/kg

SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.364 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63.4%

Maximum value of SAR (measured) = 0.768 W/kg



0 dB = 0.768 W/kg = -1.15 dBW/kg

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Date: 2020/11/15

Report No. : E5/2020/B0003

WCDMA Band V_Body_Bottom side_CH 4132_14mm

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used: f = 826.4 MHz; σ = 0.904 S/m; ε_r = 41.868; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.386 W/kg

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

Reference Value = 6.875 V/m; Power Drift = 0.01 dB

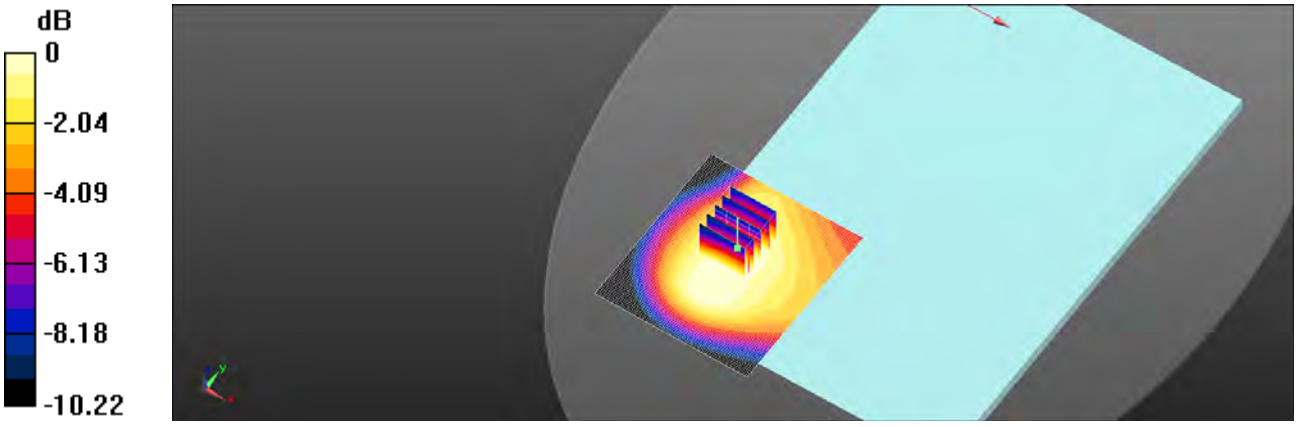
Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.226 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 72.3%

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



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

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Date: 2020/11/19

Report No. : E5/2020/B0003

LTE Band 2 (20MHz)_Body_Bottom side_CH 18700_QPSK_1-0_14mm

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

Medium parameters used: f = 1860 MHz; σ = 1.403 S/m; ε_r = 40.159; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.889 W/kg

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

Reference Value = 1.522 V/m; Power Drift = 0.02 dB

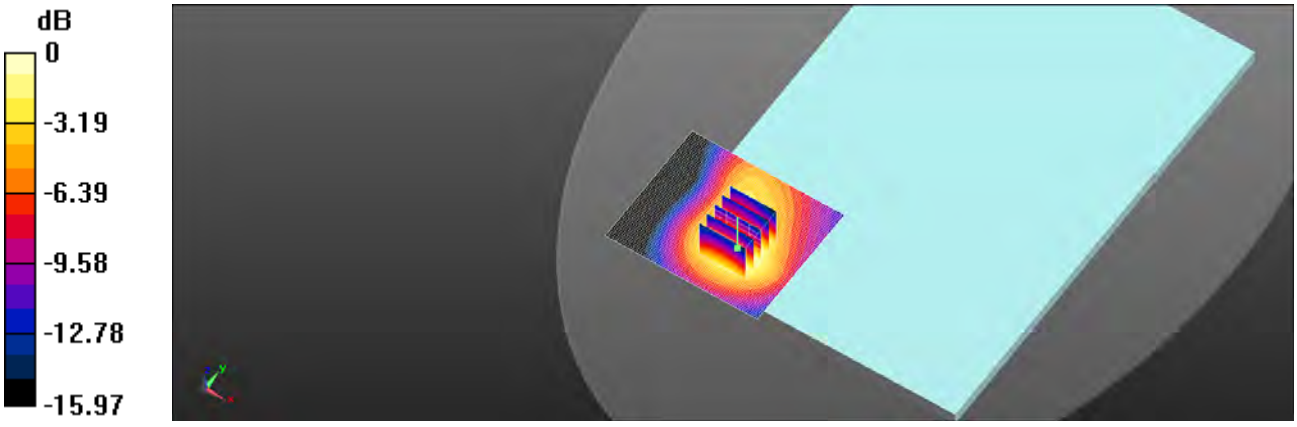
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.392 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 62.7%

Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.845 W/kg = -0.73 dBW/kg

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Date: 2020/11/18

Report No. : E5/2020/B0003

LTE Band 4 (20MHz)_Body_Bottom side_CH 20050_QPSK_1-0_14mm

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

Medium parameters used: f = 1720 MHz; σ = 1.356 S/m; ε_r = 40.287; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.592 W/kg

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

Reference Value = 1.990 V/m; Power Drift = 0.05 dB

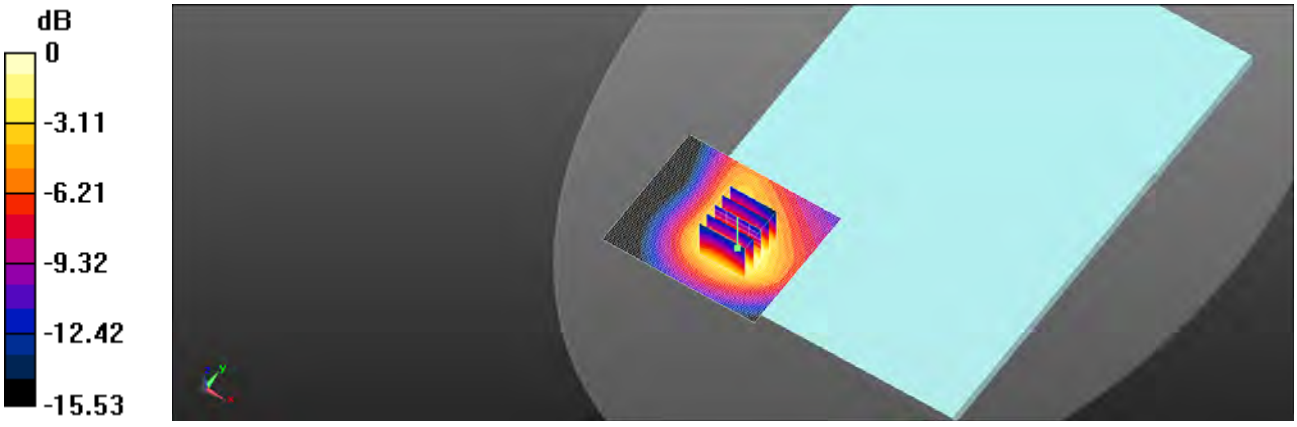
Peak SAR (extrapolated) = 0.703 W/kg

SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.269 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 62.4%

Maximum value of SAR (measured) = 0.584 W/kg



0 dB = 0.584 W/kg = -2.34 dBW/kg

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Date: 2020/11/15

Report No. : E5/2020/B0003

LTE Band 5 (10MHz)_Body_Bottom side_CH 20450_QPSK_1-49_14mm

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: f = 829 MHz; σ = 0.906 S/m; ε_r = 41.859; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.374 W/kg

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

Reference Value = 6.384 V/m; Power Drift = 0.01 dB

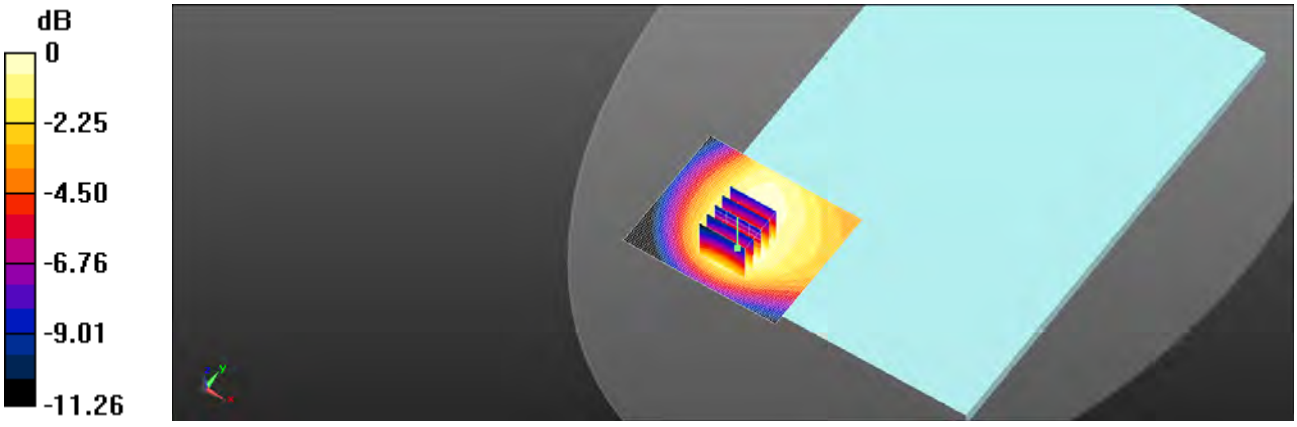
Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.207 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 70.2%

Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg = -4.40 dBW/kg

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Date: 2020/11/21

Report No. : E5/2020/B0003

LTE Band 7 (20MHz)_Body_Bottom side_CH 21350_QPSK_1-99_14mm

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 1.896 S/m; ε_r = 38.685; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

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

Reference Value = 2.950 V/m; Power Drift = 0.03 dB

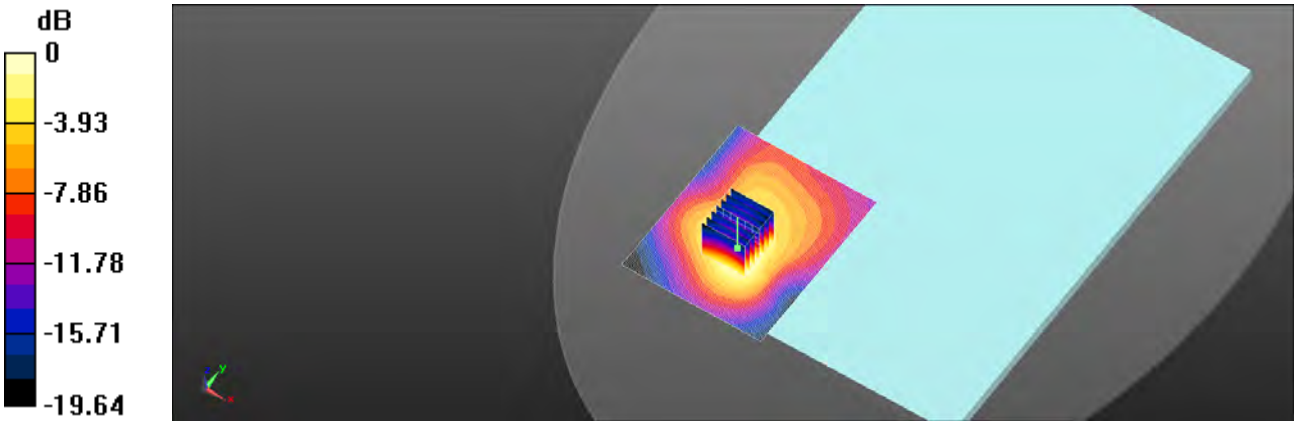
Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.371 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.08 dBW/kg

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Date: 2020/11/13

Report No. : E5/2020/B0003

LTE Band 12 (10MHz)_Body_Bottom side_CH 23130_QPSK_1-49_14mm

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: f = 711 MHz; σ = 0.9 S/m; ε_r = 42.464; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.438 W/kg

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

Reference Value = 7.233 V/m; Power Drift = 0.02 dB

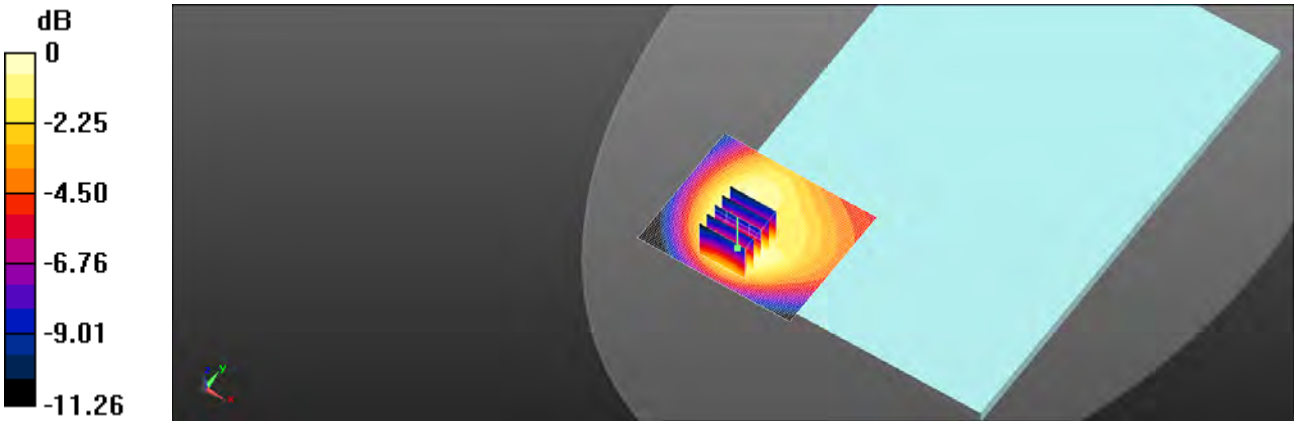
Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.229 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 67.6%

Maximum value of SAR (measured) = 0.446 W/kg



0 dB = 0.446 W/kg = -3.51 dBW/kg

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Date: 2020/11/13

Report No. : E5/2020/B0003

LTE Band 13 (10MHz)_Body_Bottom side_CH 23230_QPSK_1-0_14mm

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

Medium parameters used: f = 782 MHz; σ = 0.904 S/m; ε_r = 42.101; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.425 W/kg

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

Reference Value = 7.687 V/m; Power Drift = 0.06 dB

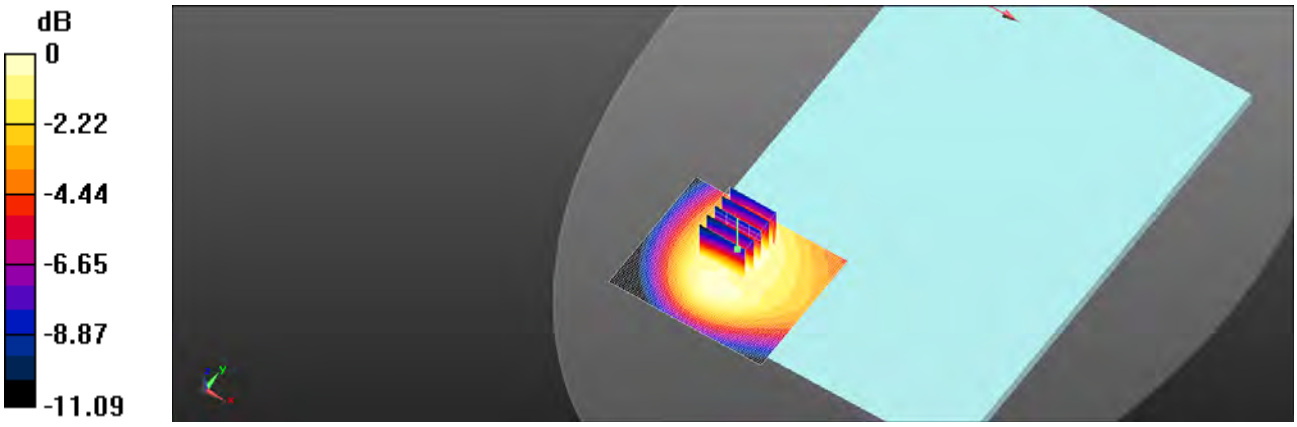
Peak SAR (extrapolated) = 0.496 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.243 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 69.2%

Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.430 W/kg = -3.67 dBW/kg

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Date: 2020/11/14

Report No. : E5/2020/B0003

LTE Band 14 (10MHz)_Body_Bottom side_CH 23330_QPSK_1-25_14mm

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

Medium parameters used: f = 793 MHz; σ = 0.905 S/m; ε_r = 42.048; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.423 W/kg

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

Reference Value = 7.227 V/m; Power Drift = 0.01 dB

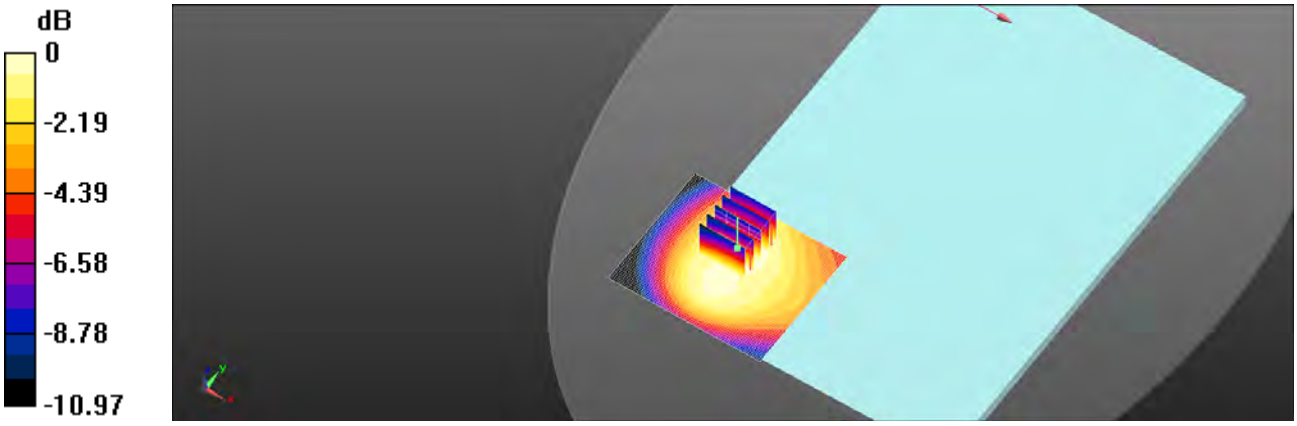
Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.240 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 70.8%

Maximum value of SAR (measured) = 0.416 W/kg



0 dB = 0.416 W/kg = -3.81 dBW/kg

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Date: 2020/11/14

Report No. : E5/2020/B0003

LTE Band 17 (10MHz)_Body_Bottom side_CH 23790_QPSK_1-25_14mm

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: f = 710 MHz; σ = 0.898 S/m; ε_r = 42.457; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.420 W/kg

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

Reference Value = 6.789 V/m; Power Drift = 0.02 dB

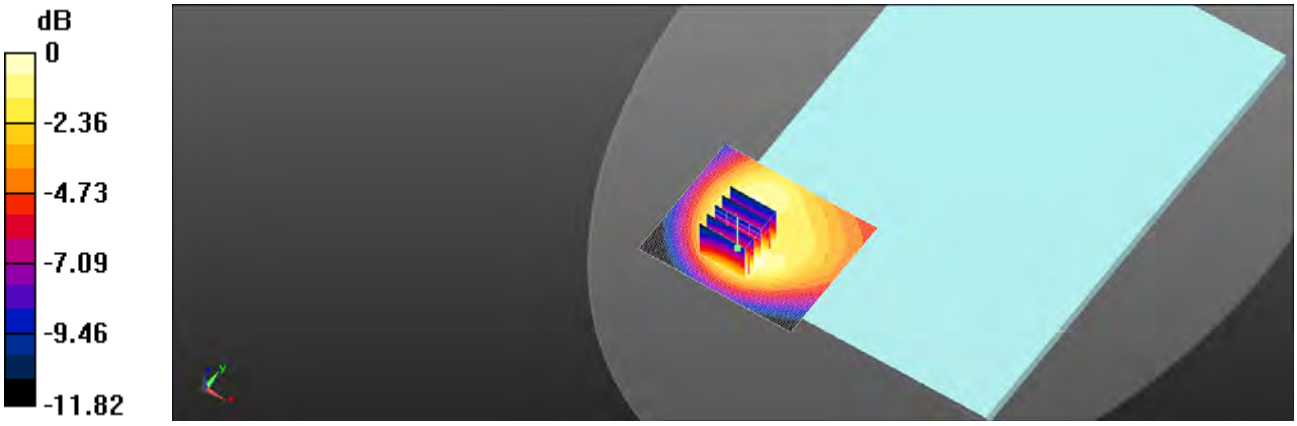
Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.214 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 66%

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



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

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Date: 2020/11/19

Report No. : E5/2020/B0003

LTE Band 25 (20MHz)_Body_Bottom side_CH 26590_QPSK_1-99_14mm

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1905 MHz; σ = 1.408 S/m; ε_r = 40.124; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.842 W/kg

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

Reference Value = 1.281 V/m; Power Drift = 0.01 dB

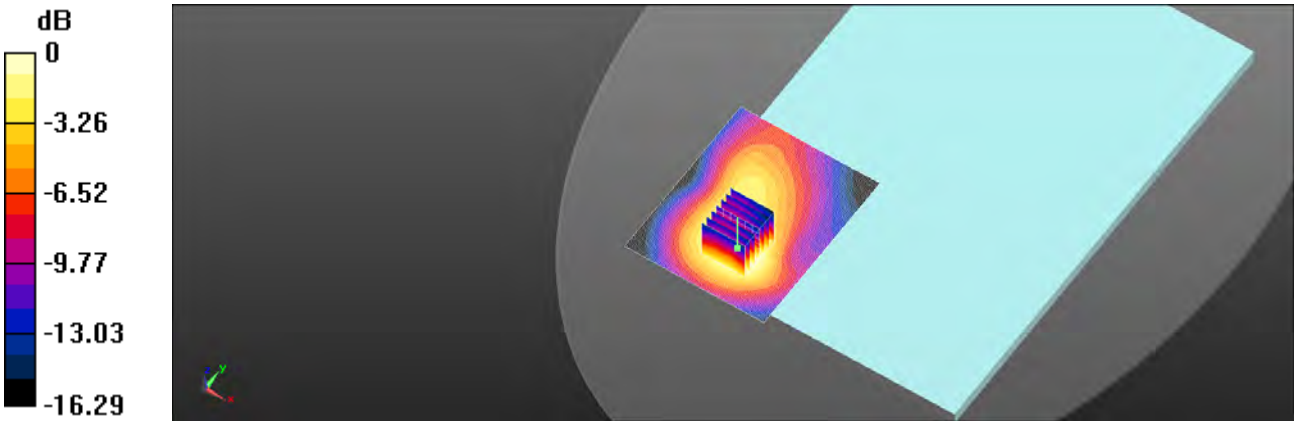
Peak SAR (extrapolated) = 0.936 W/kg

SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.355 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 62.4%

Maximum value of SAR (measured) = 0.744 W/kg



0 dB = 0.744 W/kg = -1.28 dBW/kg

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Date: 2020/11/16

Report No. : E5/2020/B0003

LTE Band 26 (15MHz)_Body_Bottom side_CH 26865_QPSK_1-0_14mm

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used: f = 831.5 MHz; σ = 0.908 S/m; ε_r = 41.839; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.339 W/kg

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

Reference Value = 6.743 V/m; Power Drift = 0.02 dB

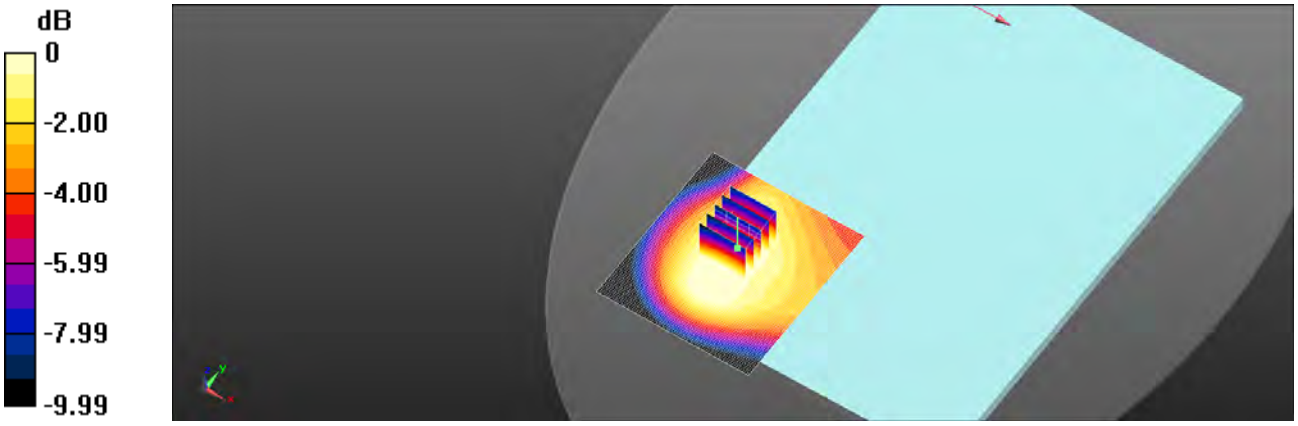
Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.202 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 72.4%

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.339 W/kg = -4.70 dBW/kg

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Date: 2020/11/20

Report No. : E5/2020/B0003

LTE Band 30 (10MHz)_Body_Bottom side_CH 27710_QPSK_1-49_14mm

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2310 MHz; σ = 1.654 S/m; ε_r = 39.066; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.81, 7.81, 7.81); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.797 W/kg

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

Reference Value = 2.446 V/m; Power Drift = -0.03 dB

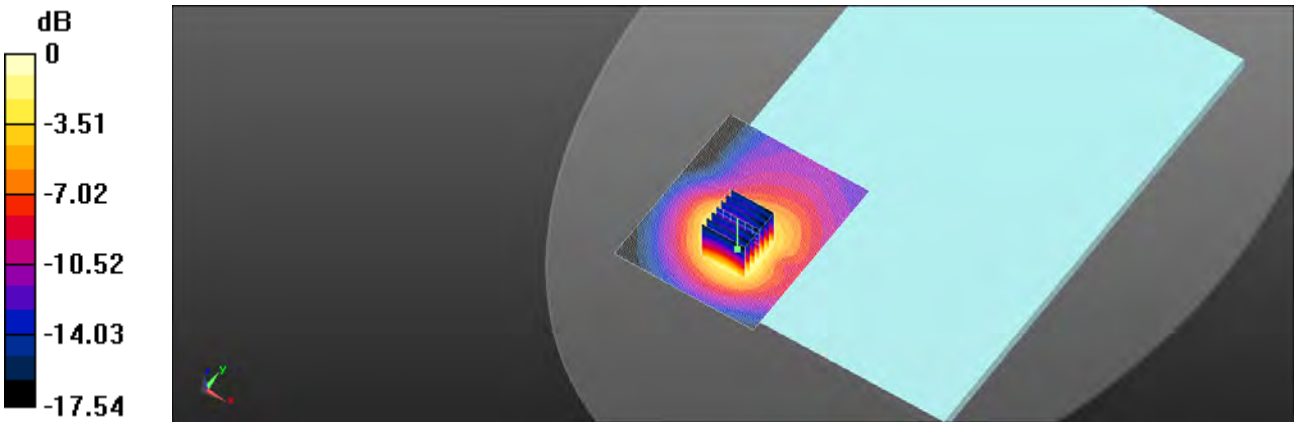
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.308 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 0.793 W/kg



0 dB = 0.793 W/kg = -1.01 dBW/kg

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Date: 2020/11/21

Report No. : E5/2020/B0003

LTE Band 38 (20MHz)_Body_Bottom side_CH 38150_QPSK_1-50_14mm

Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2610 MHz; σ = 1.951 S/m; ε_r = 38.606; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.785 W/kg

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

Reference Value = 2.868 V/m; Power Drift = -0.05 dB

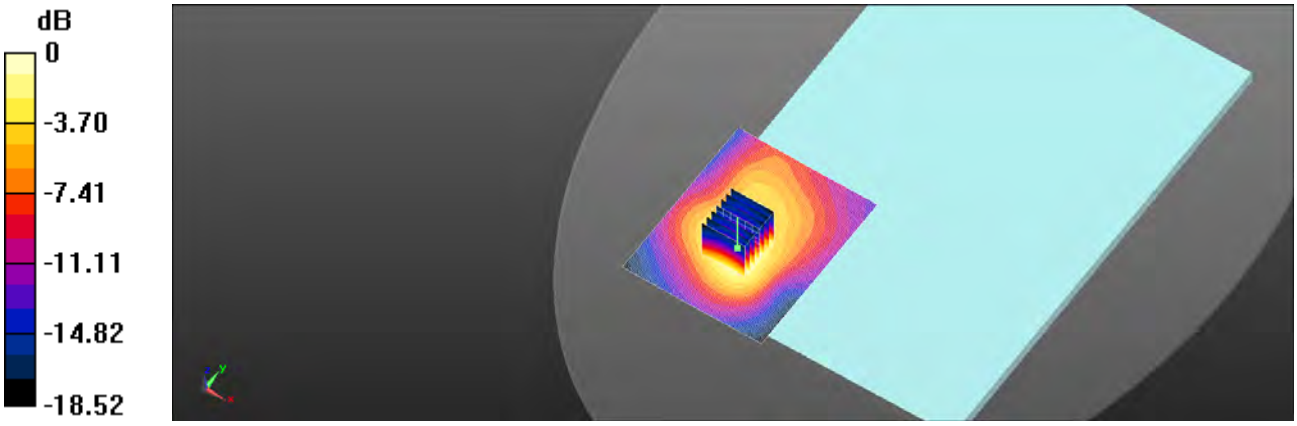
Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.286 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.2%

Maximum value of SAR (measured) = 0.792 W/kg



0 dB = 0.792 W/kg = -1.01 dBW/kg

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Date: 2020/11/22

Report No. : E5/2020/B0003

LTE Band 41 (20MHz)_Body_Bottom side_CH 41055_QPSK_1-0_14mm

Communication System: LTE; Frequency: 2636.5 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2636.5 MHz; σ = 1.98 S/m; ε_r = 38.577; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.649 W/kg

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

Reference Value = 2.543 V/m; Power Drift = 0.01 dB

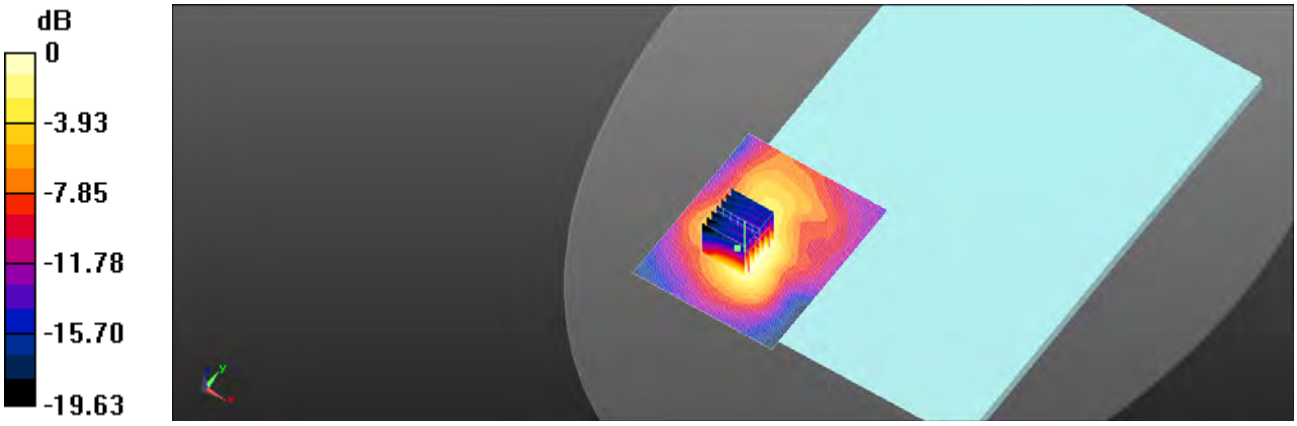
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.256 W/kg

Smallest distance from peaks to all points 3 dB below = 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 49.4%

Maximum value of SAR (measured) = 0.756 W/kg



0 dB = 0.756 W/kg = -1.22 dBW/kg

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Date: 2020/11/22

Report No. : E5/2020/B0003
LTE Band 41 (20MHz)_Body_Bottom side_CH 41055_QPSK_1-0_14mm _HPUE

Communication System: LTE; Frequency: 2636.5 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2636.5 MHz; σ = 1.98 S/m; ε_r = 38.577; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.802 W/kg

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

Reference Value = 2.388 V/m; Power Drift = 0.02 dB

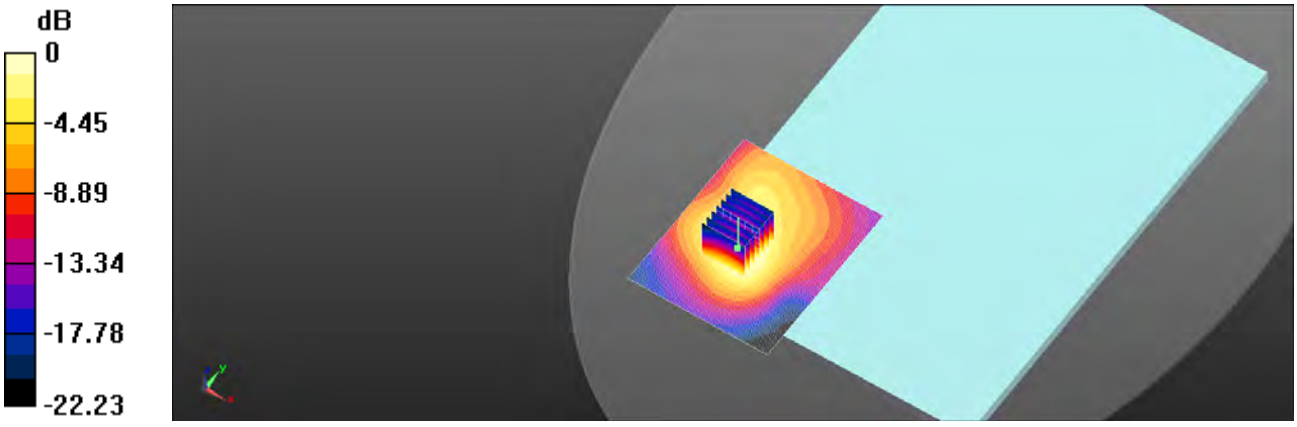
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.285 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.2%

Maximum value of SAR (measured) = 0.803 W/kg



0 dB = 0.803 W/kg = -0.95 dBW/kg

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Date: 2020/11/18

Report No. : E5/2020/B0003

LTE Band 66 (20MHz)_Body_Bottom side_CH 132072_QPSK_1-0_14mm

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

Medium parameters used: f = 1720 MHz; σ = 1.356 S/m; ε_r = 40.287; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.633 W/kg

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

Reference Value = 2.021 V/m; Power Drift = 0.03 dB

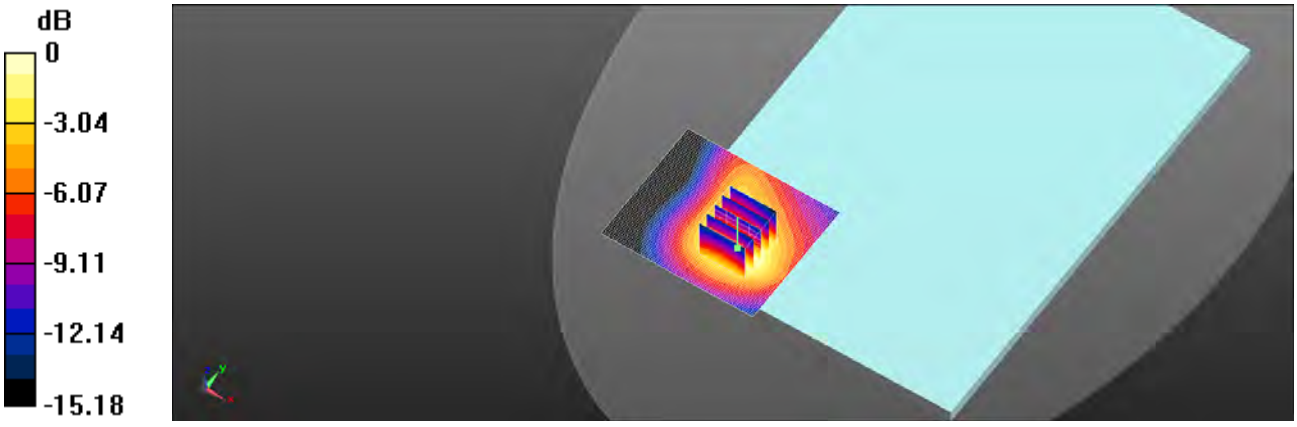
Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.291 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 0.614 W/kg



0 dB = 0.614 W/kg = -2.12 dBW/kg

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Date: 2020/11/17

Report No. : E5/2020/B0003

LTE Band 71 (20MHz)_Body_Bottom side_CH 133372_QPSK_1-0_14mm

Communication System: LTE; Frequency: 688 MHz; Duty Cycle: 1:1

Medium parameters used: f = 688 MHz; σ = 0.897 S/m; ε_r = 42.591; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.454 W/kg

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

Reference Value = 6.799 V/m; Power Drift = 0.04 dB

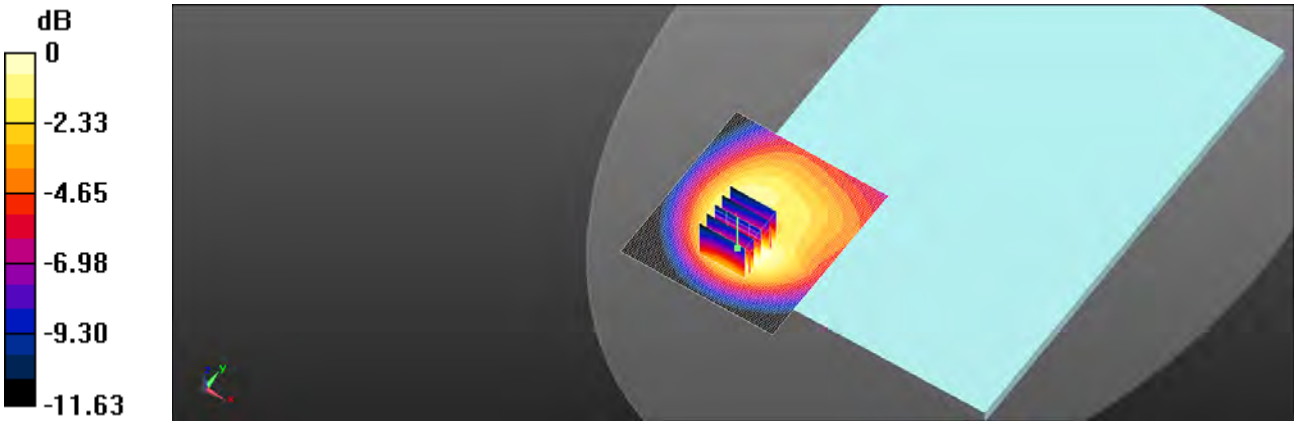
Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.234 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 64.6%

Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg = -3.29 dBW/kg

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Date: 2020/12/26

Report No. : E5/2020/B0003

WCDMA Band II_Body_Bottom side_CH 9262_0mm

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1852.4 MHz; σ = 1.402 S/m; ε_r = 40.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.43 W/kg

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

Reference Value = 1.505 V/m; Power Drift = 0.04 dB

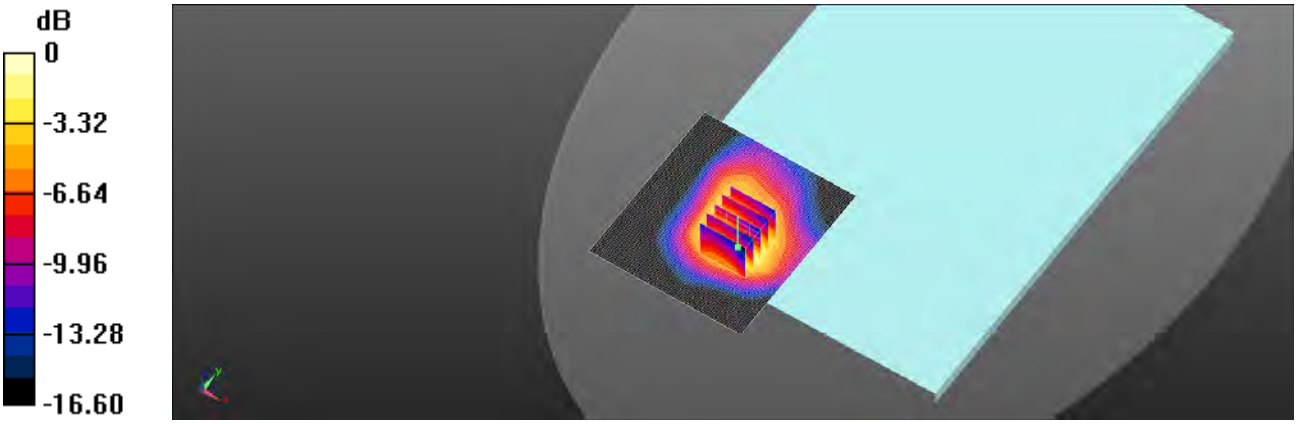
Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.632 W/kg

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 65.8%

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.02 dBW/kg

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Date: 2020/12/24

Report No. : E5/2020/B0003

WCDMA Band V_Body_Bottom side_CH 4233_0mm

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: f = 847 MHz; σ = 0.922 S/m; ε_r = 41.732; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.43 W/kg

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

Reference Value = 2.859 V/m; Power Drift = 0.04 dB

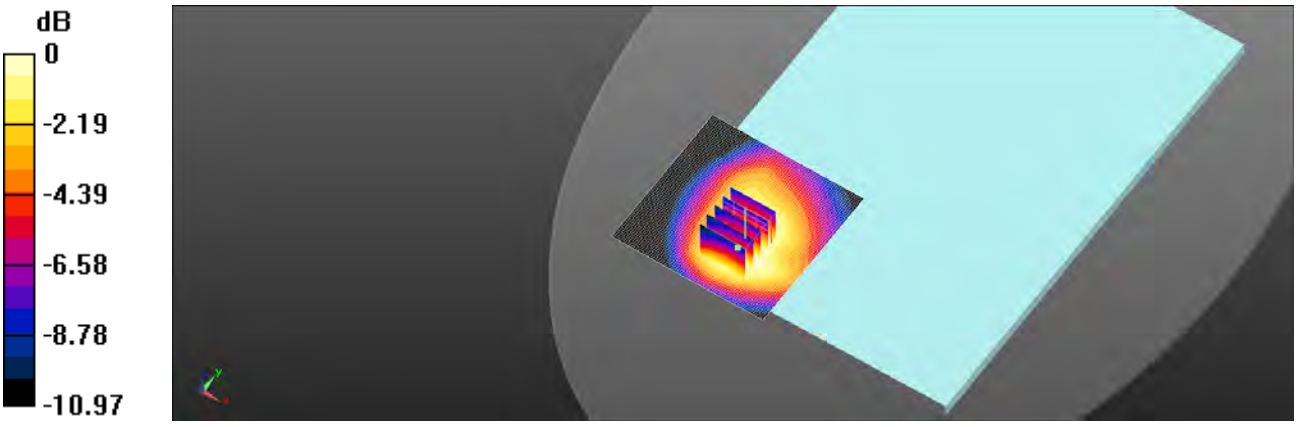
Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.797 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 75.8%

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.23 dBW/kg

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Date: 2020/12/26

Report No. : E5/2020/B0003

LTE Band 2 (20MHz)_Body_Bottom side_CH 18700_QPSK_1-0_0mm

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

Medium parameters used: f = 1860 MHz; σ = 1.404 S/m; ε_r = 40.198; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.47 W/kg

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

Reference Value = 1.217 V/m; Power Drift = 0.06 dB

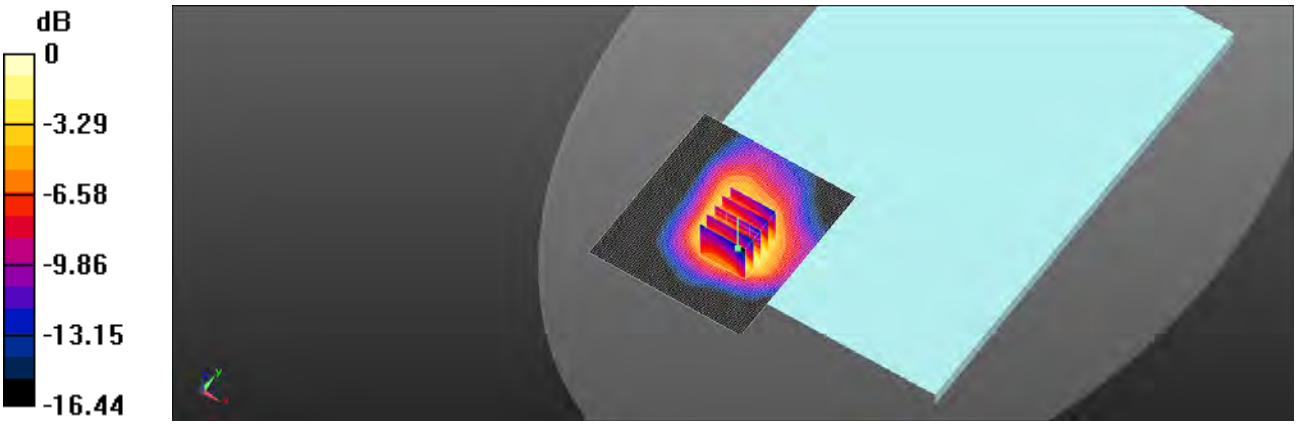
Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.655 W/kg

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 66.4%

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.15 dBW/kg

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Date: 2020/12/25

Report No. : E5/2020/B0003

LTE Band 4 (20MHz)_Body_Bottom side_CH 20050_QPSK_1-0_0mm

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

Medium parameters used: f = 1720 MHz; σ = 1.358 S/m; ε_r = 40.327; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

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

Reference Value = 1.411 V/m; Power Drift = 0.04 dB

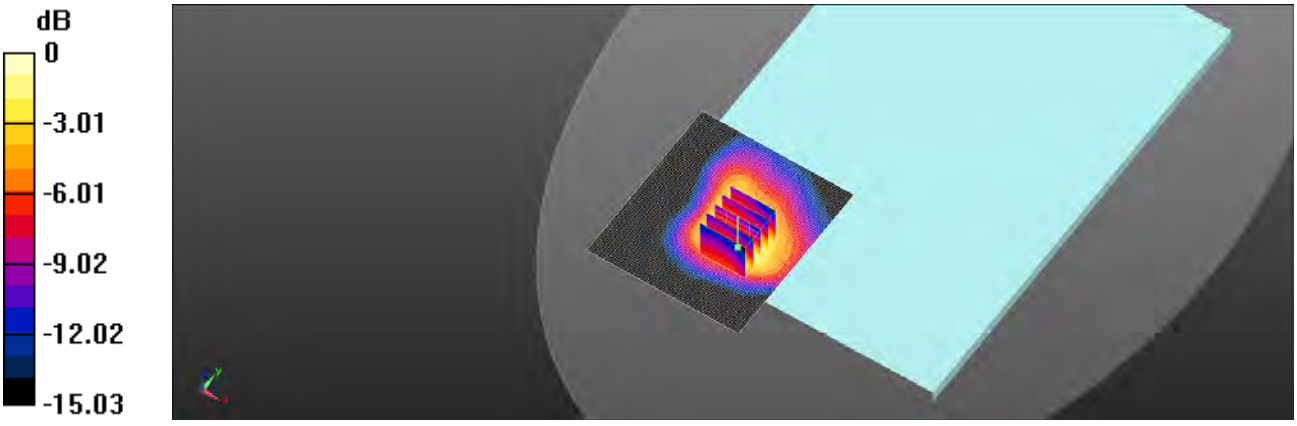
Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.494 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 67.2%

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.07 dBW/kg

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Date: 2020/12/24

Report No. : E5/2020/B0003

LTE Band 5 (10MHz)_Body_Bottom side_CH 20450_QPSK_1-49_0mm

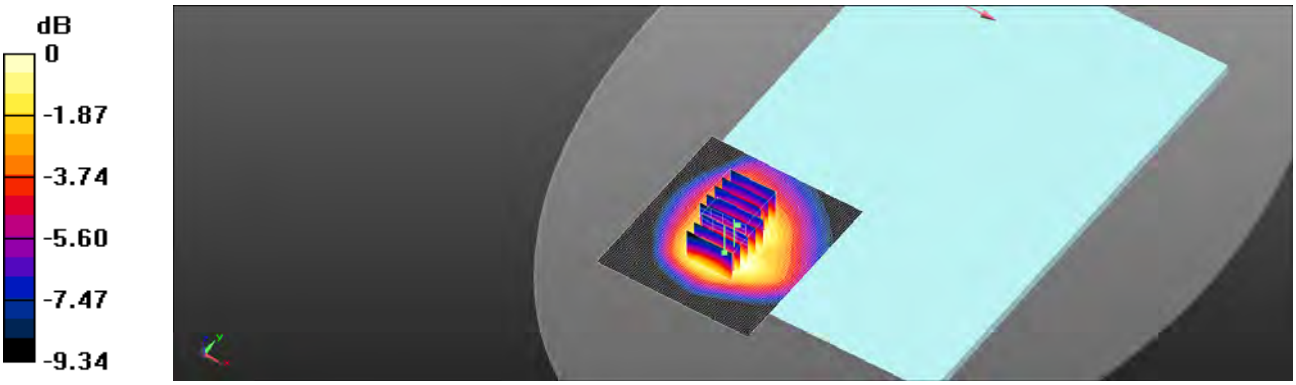
Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1
Medium parameters used: f = 829 MHz; σ = 0.907 S/m; ε_r = 41.814; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.587 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.757 W/kg
Smallest distance from peaks to all points 3 dB below = 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 76.5%
Maximum value of SAR (measured) = 1.23 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.587 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.735 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 78.6%
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.23 W/kg = 0.76 dBW/kg

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Date: 2020/12/27

Report No. : E5/2020/B0003

LTE Band 7 (20MHz)_Body_Bottom side_CH 21350_QPSK_1-99_0mm

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 1.893 S/m; ε_r = 38.623; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.43 W/kg

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

Reference Value = 1.113 V/m; Power Drift = 0.02 dB

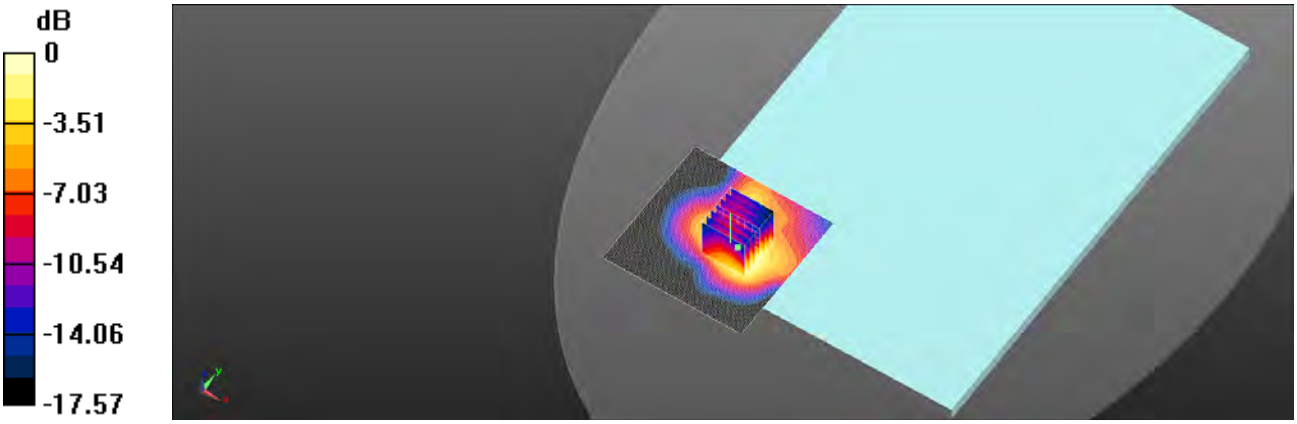
Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.581 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 71.2%

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

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Date: 2020/12/22

Report No. : E5/2020/B0003

LTE Band 12 (10MHz)_Body_Bottom side_CH 23130_QPSK_1-49_0mm

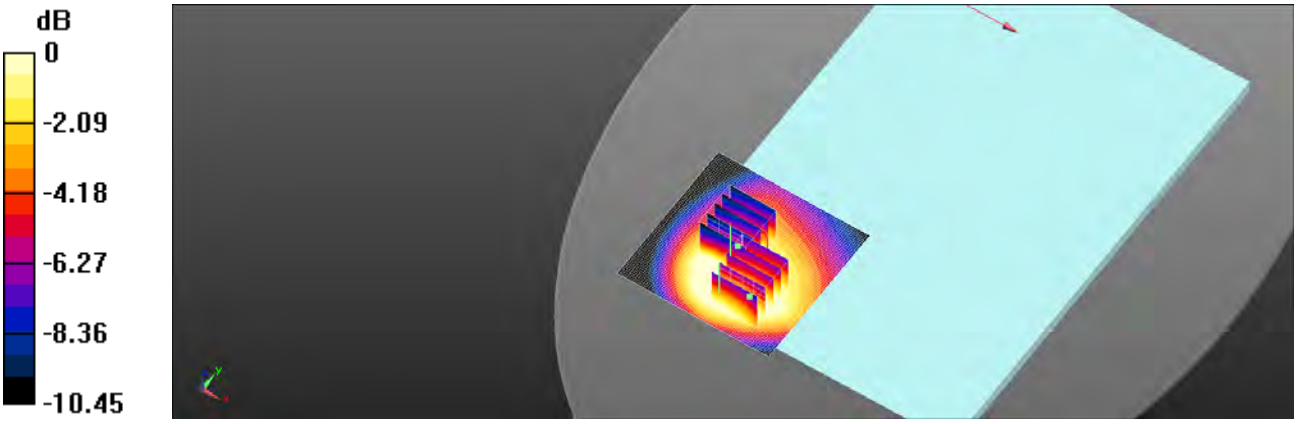
Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; σ = 0.899 S/m; ε_r = 42.405; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C
DASY5 Configurtion:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.286 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.681 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 70%
Maximum value of SAR (measured) = 1.22 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.286 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.487 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 64.9%
Maximum value of SAR (measured) = 0.891 W/kg



0 dB = 1.22 W/kg = -0.50 dBW/kg

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Date: 2020/12/22

Report No. : E5/2020/B0003

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

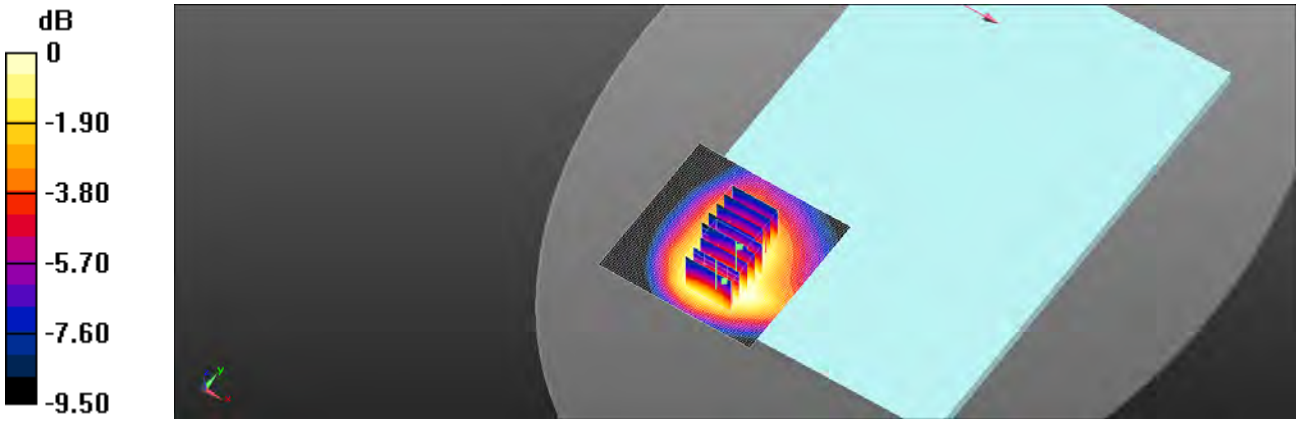
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.904 S/m; ε_r = 42.068; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.24 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.940 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.721 W/kg
Smallest distance from peaks to all points 3 dB below = 9.4 mm
Ratio of SAR at M2 to SAR at M1 = 74.3%
Maximum value of SAR (measured) = 1.20 W/kg

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.940 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.645 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 77.6%
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.20 W/kg = 0.27 dBW/kg

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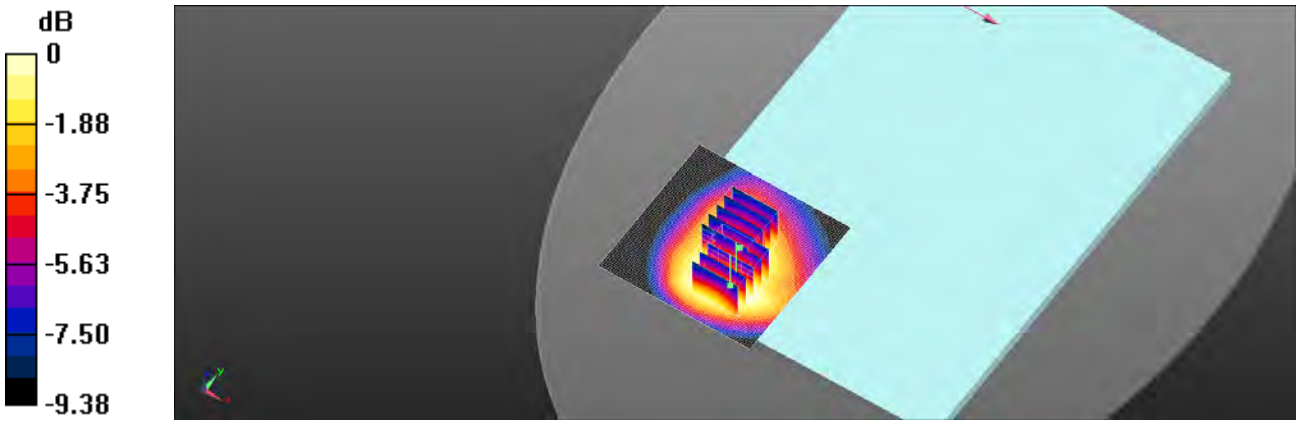
Report No. : E5/2020/B0003
LTE Band 14 (10MHz)_Body_Bottom side_CH 23330_QPSK_1-0_0mm
Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used: f = 793 MHz; σ = 0.906 S/m; ε_r = 41.993; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.29 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.409 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.755 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 74.7%
Maximum value of SAR (measured) = 1.31 W/kg
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.409 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.658 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 77.9%
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.31 W/kg = 0.31 dBW/kg

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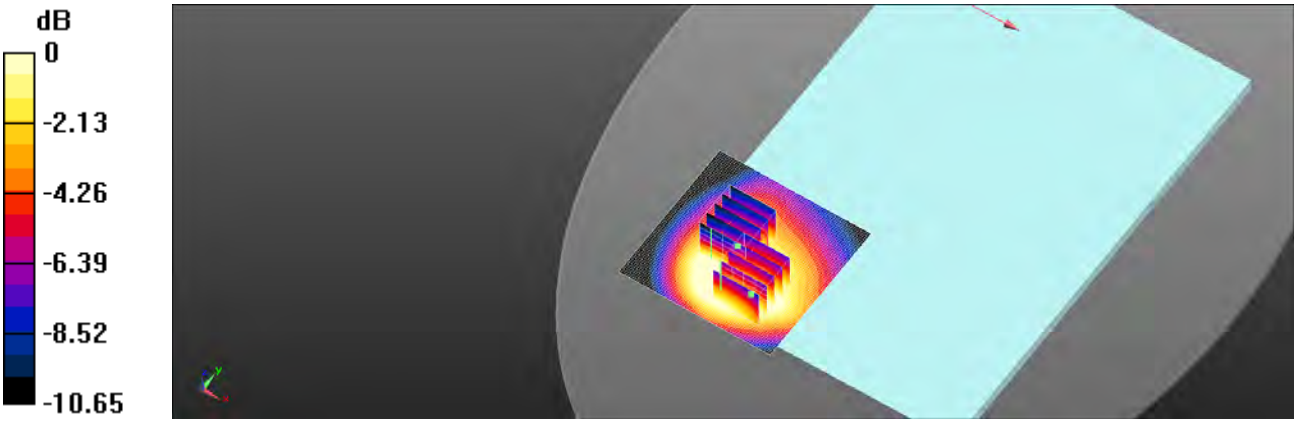
Report No. : E5/2020/B0003
LTE Band 17 (10MHz)_Body_Bottom side_CH 23800_QPSK_1-25_0mm
Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; σ = 0.901 S/m; ε_r = 42.41; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.750 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.676 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 69.9%
Maximum value of SAR (measured) = 1.24 W/kg
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.750 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.477 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 62.8%
Maximum value of SAR (measured) = 0.905 W/kg



0 dB = 1.24 W/kg = -0.43 dBW/kg

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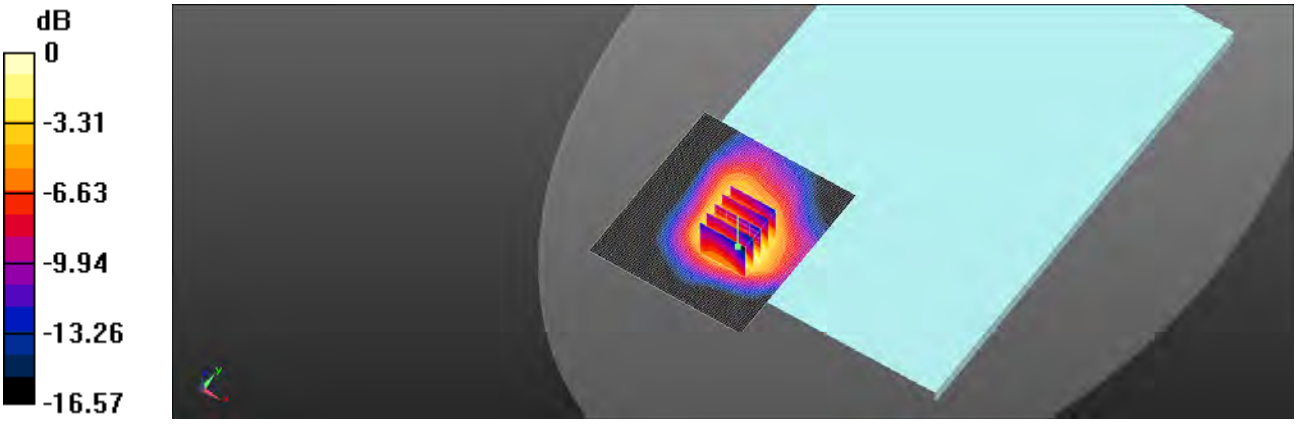
Report No. : E5/2020/B0003
LTE Band 25 (20MHz)_Body_Bottom side_CH 26140_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.404 S/m; ε_r = 40.198; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.51 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.254 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.673 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 66.5%
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.26 dBW/kg

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Date: 2020/12/24

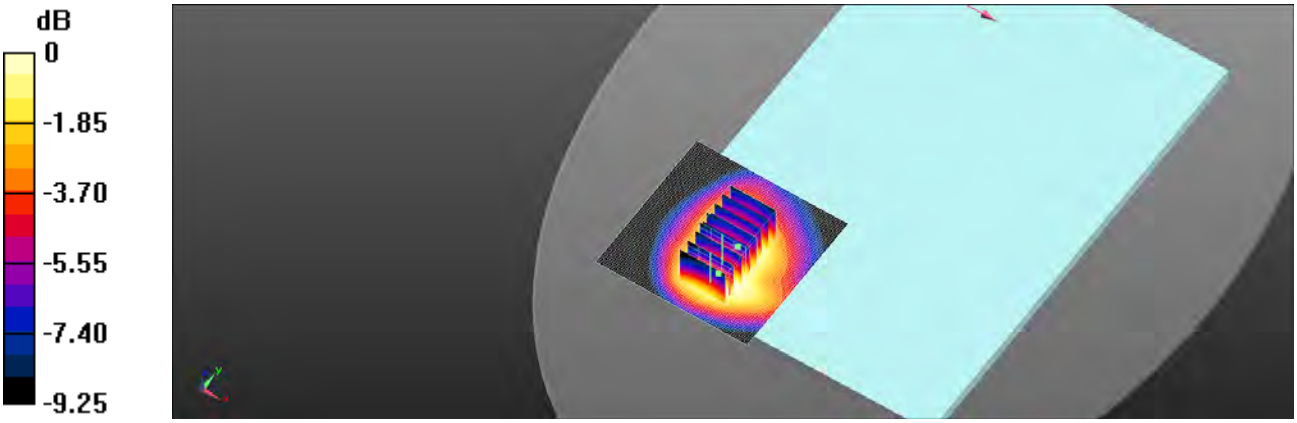
Report No. : E5/2020/B0003
LTE Band 26 (15MHz)_Body_Bottom side_CH 26865_QPSK_1-0_0mm
Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 831.5 MHz; σ = 0.908 S/m; ε_r = 41.813; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.225 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.676 W/kg
Smallest distance from peaks to all points 3 dB below = 9.4 mm
Ratio of SAR at M2 to SAR at M1 = 73.1%
Maximum value of SAR (measured) = 1.11 W/kg
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.225 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.650 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 78.5%
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.11 W/kg = 0.26 dBW/kg

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Date: 2020/12/25

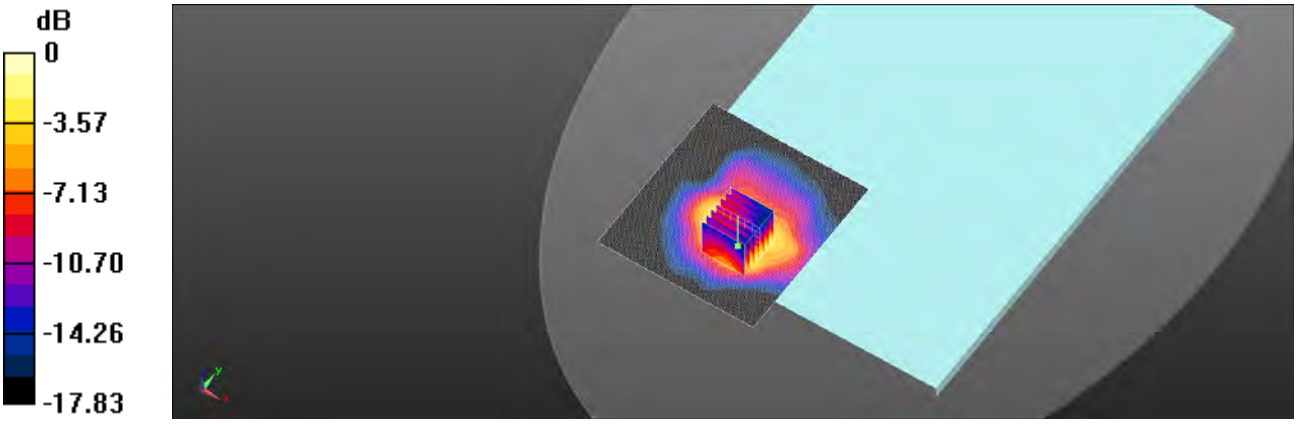
Report No. : E5/2020/B0003
LTE Band 30 (10MHz)_Body_Bottom side_CH 27710_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.652 S/m; ε_r = 39.019; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.81, 7.81, 7.81); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.31 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.441 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.917 W/kg; SAR(10 g) = 0.520 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 66.9%
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

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Date: 2020/12/27

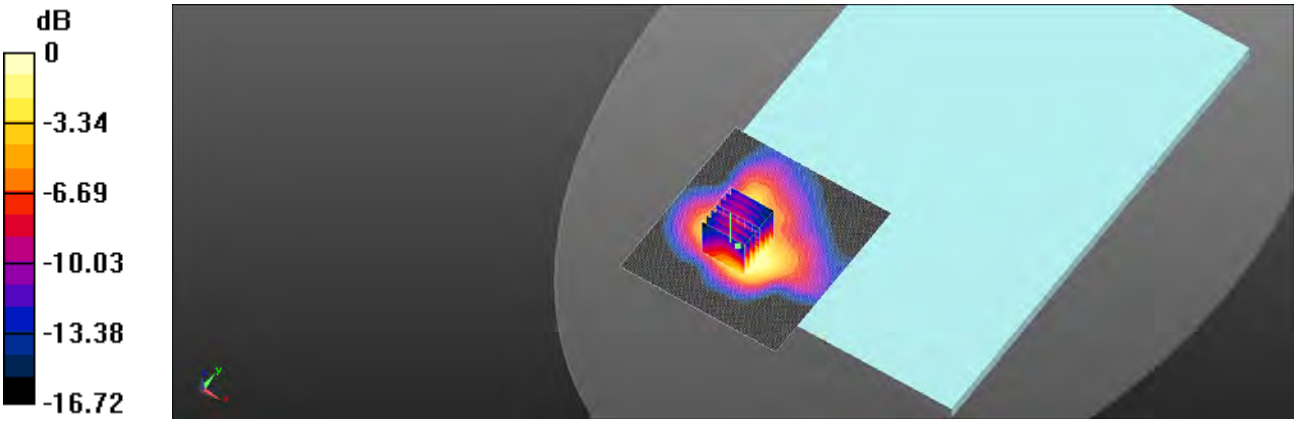
Report No. : E5/2020/B0003
LTE Band 38 (20MHz)_Body_Bottom side_CH 38150_QPSK_1-99_0mm
Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2610 MHz; σ = 1.945 S/m; ε_r = 38.552; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.125 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.433 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 71.9%
Maximum value of SAR (measured) = 0.968 W/kg



0 dB = 0.968 W/kg = -0.14 dBW/kg

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Date: 2020/12/28

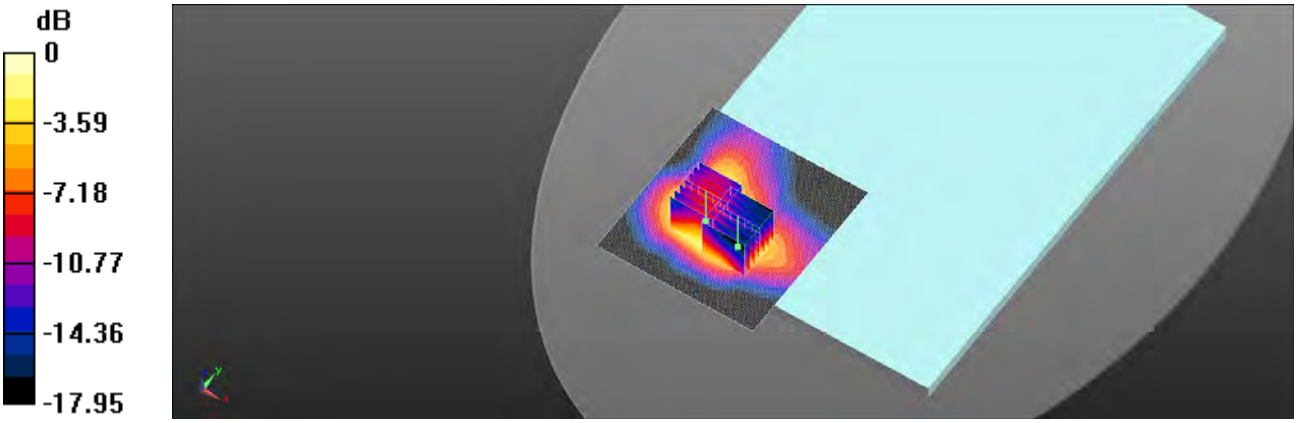
Report No. : E5/2020/B0003
LTE Band 41 (20MHz)_Body_Bottom side_CH 41490_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2680 MHz; σ = 2.021 S/m; ε_r = 38.468; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x101x1): 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 = 1.669 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.830 W/kg; SAR(10 g) = 0.476 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 71.2%
Maximum value of SAR (measured) = 1.05 W/kg
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.669 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.334 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 70.8%
Maximum value of SAR (measured) = 0.883 W/kg



0 dB = 1.05 W/kg = -0.54 dBW/kg

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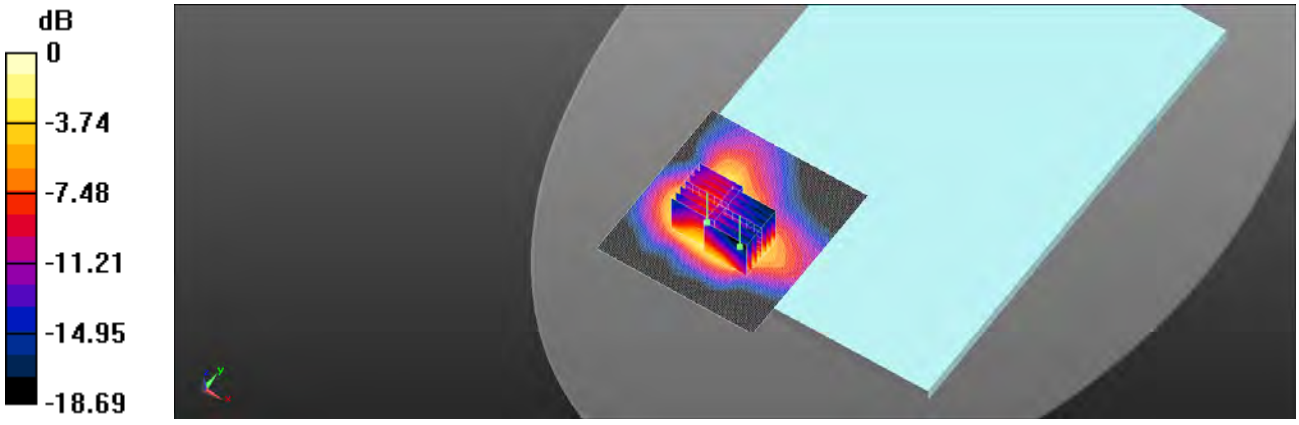
Date: 2020/12/28

Report No. : E5/2020/B0003
LTE Band 41 (20MHz)_Body_Bottom side_CH 41490_QPSK_1-0_0mm_HPUE

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2680 MHz; σ = 2.021 S/m; ε_r = 38.468; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.8°C
DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.11 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.5810 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.836 W/kg; SAR(10 g) = 0.477 W/kg
Smallest distance from peaks to all points 3 dB below = 9.4 mm
Ratio of SAR at M2 to SAR at M1 = 70.4%
Maximum value of SAR (measured) = 1.08 W/kg
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.5810 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.333 W/kg
Smallest distance from peaks to all points 3 dB below = 8.7 mm
Ratio of SAR at M2 to SAR at M1 = 65%
Maximum value of SAR (measured) = 0.901 W/kg



0 dB = 1.08 W/kg = -0.45 dBW/kg

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Date: 2020/12/25

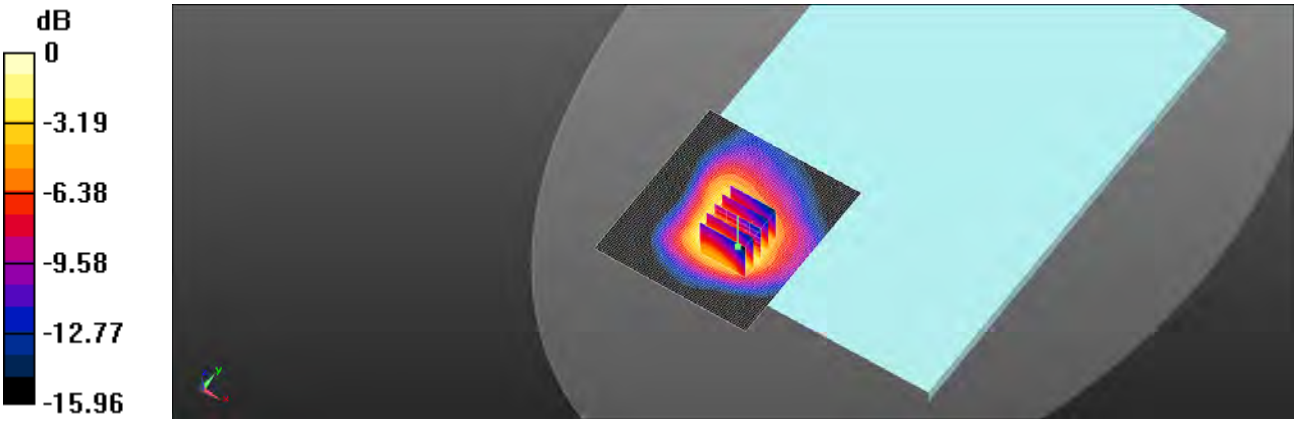
Report No. : E5/2020/B0003
LTE Band 66 (20MHz)_Body_Bottom side_CH 132572_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.387 S/m; ε_r = 40.235; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.153 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.507 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 64.3%
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.19 dBW/kg

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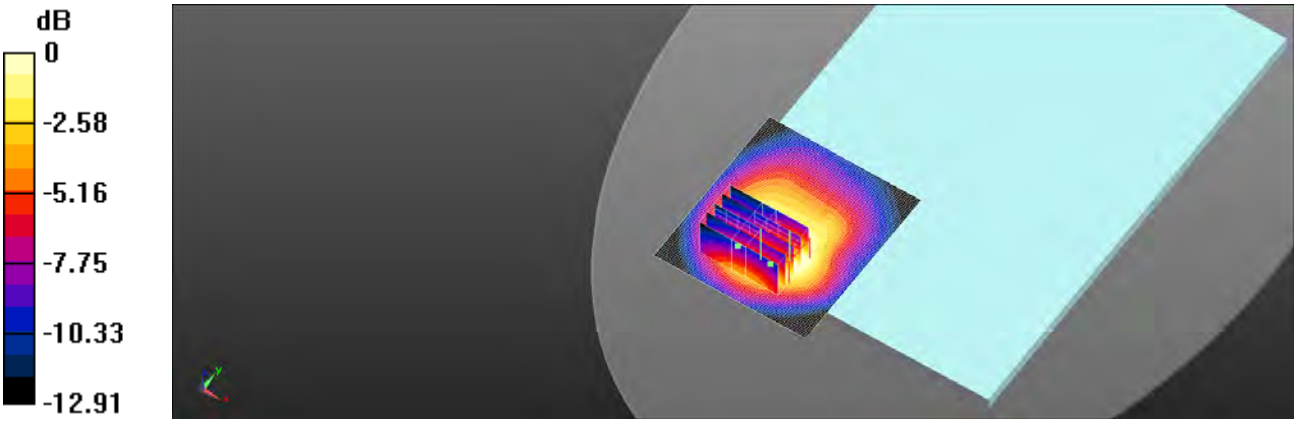
Report No. : E5/2020/B0003
LTE Band 71 (20MHz)_Body_Bottom side_CH 133222_QPSK_1-50_0mm
Communication System: LTE; Frequency: 673 MHz; Duty Cycle: 1:1
Medium parameters used: f = 673 MHz; σ = 0.895 S/m; ε_r = 42.634; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.19 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.818 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.611 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 67.8%
Maximum value of SAR (measured) = 1.17 W/kg
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.818 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.507 W/kg
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 65%
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.17 W/kg = 0.62 dBW/kg

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Date: 2020/11/19

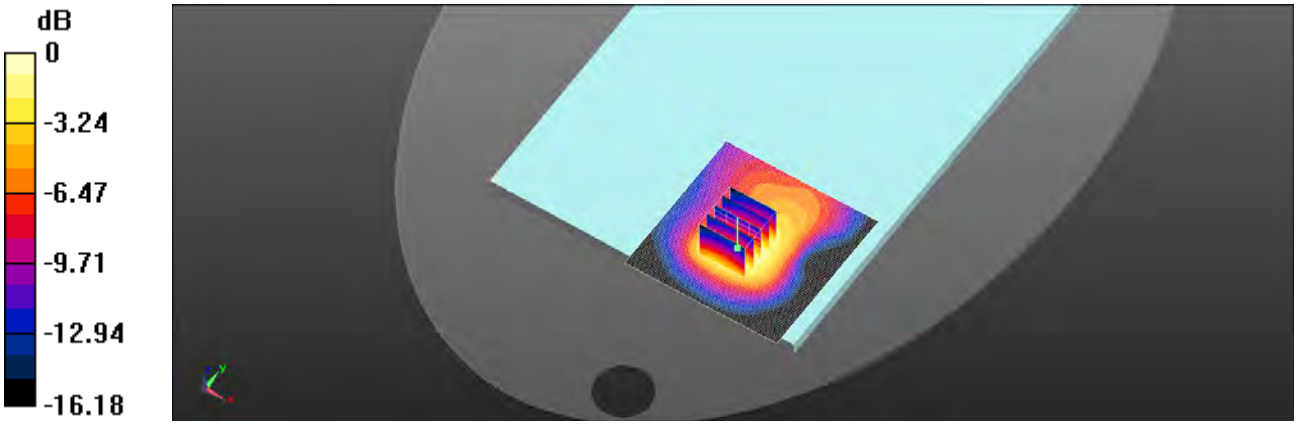
Report No. : E5/2020/B0003
WCDMA Band II_Body_Back side_CH 9538_17mm
Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.409 S/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.030 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.438 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 61%
Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg = 0.02 dBW/kg

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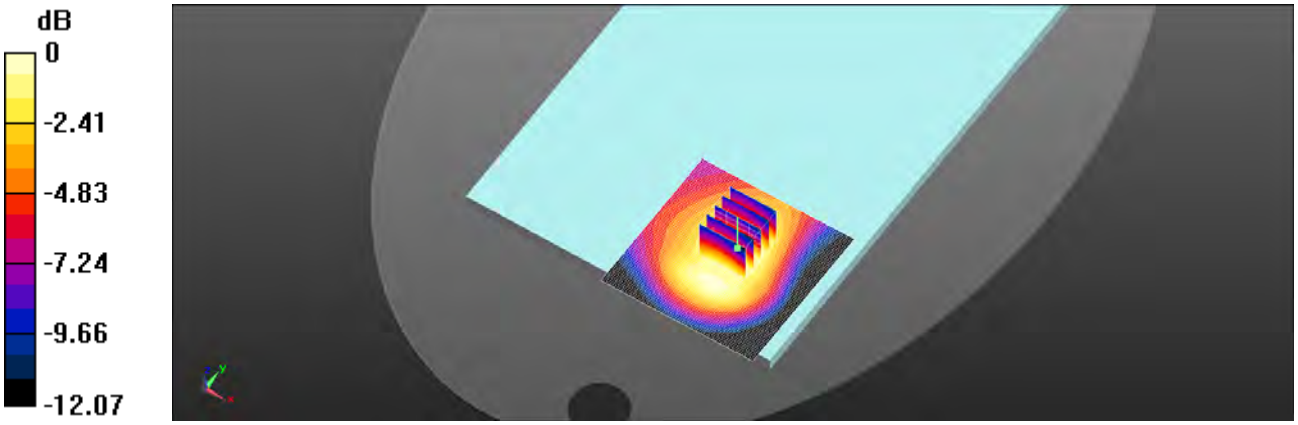
Report No. : E5/2020/B0003
WCDMA Band V_Body_Back side_CH 4132_17mm
Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.904 S/m; ε_r = 41.868; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.364 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.566 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.197 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 70.4%
Maximum value of SAR (measured) = 0.361 W/kg



0 dB = 0.361 W/kg = -4.43 dBW/kg

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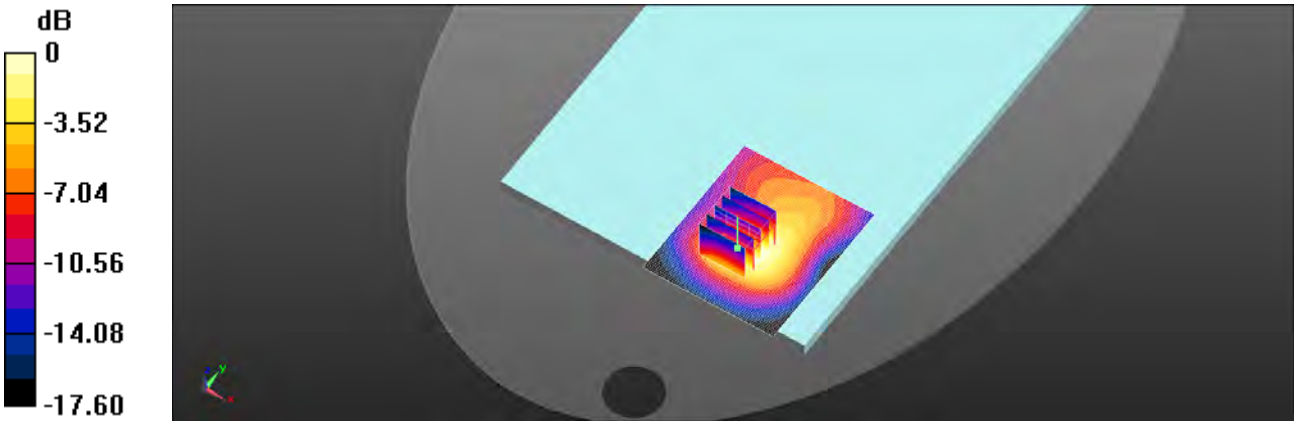
Report No. : E5/2020/B0003
LTE Band 2 (20MHz)_Body_Back side_CH 19100_QPSK_1-99_17mm
Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.407 S/m; ε_r = 40.132; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.927 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.065 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.395 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 60.3%
Maximum value of SAR (measured) = 0.917 W/kg



0 dB = 0.917 W/kg = -0.38 dBW/kg

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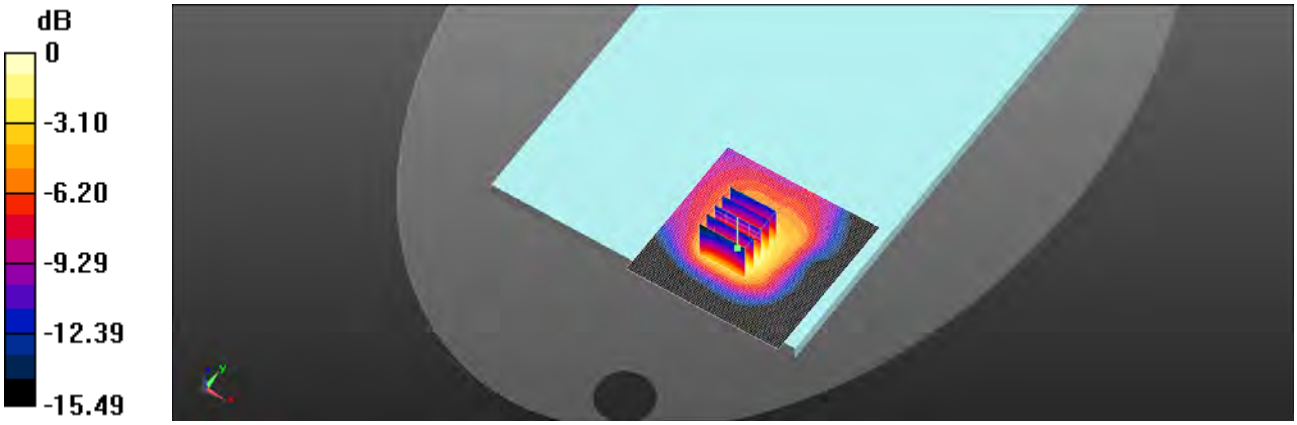
Report No. : E5/2020/B0003
LTE Band 4 (20MHz)_Body_Back side_CH 20050_QPSK_1-0_17mm
Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.356 S/m; ε_r = 40.287; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.533 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.458 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 63.5%
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.06 dBW/kg

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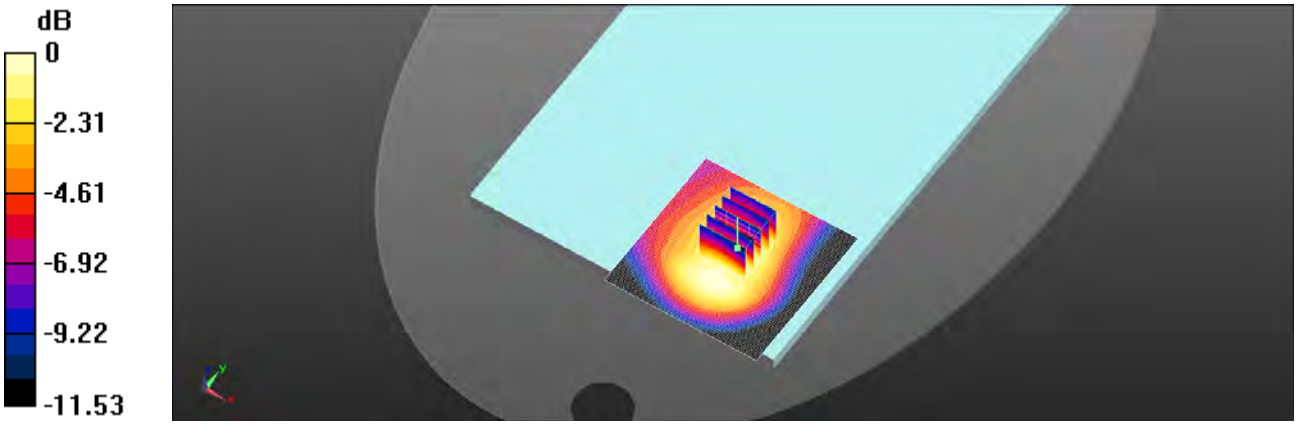
Report No. : E5/2020/B0003
LTE Band 5 (10MHz)_Body_Back side_CH 20525_QPSK_1-25_17mm
Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.91 S/m; ε_r = 41.818; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.328 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.547 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.380 W/kg
SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.181 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 71%
Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.327 W/kg = -4.86 dBW/kg

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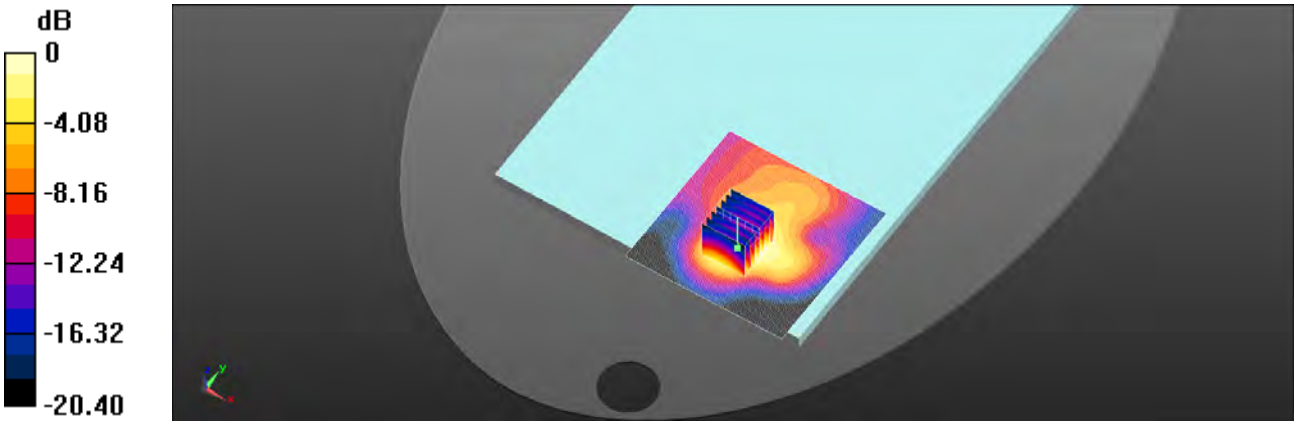
Report No. : E5/2020/B0003
LTE Band 7 (20MHz)_Body_Back side_CH 21100_QPSK_1-99_17mm
Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.87 S/m; ε_r = 38.713; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x91x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.993 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.550 V/m; Power Drift = 00.2 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.350 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 51.8%
Maximum value of SAR (measured) = 0.920 W/kg



0 dB = 0.920 W/kg = -0.36 dBW/kg

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Date: 2020/11/13

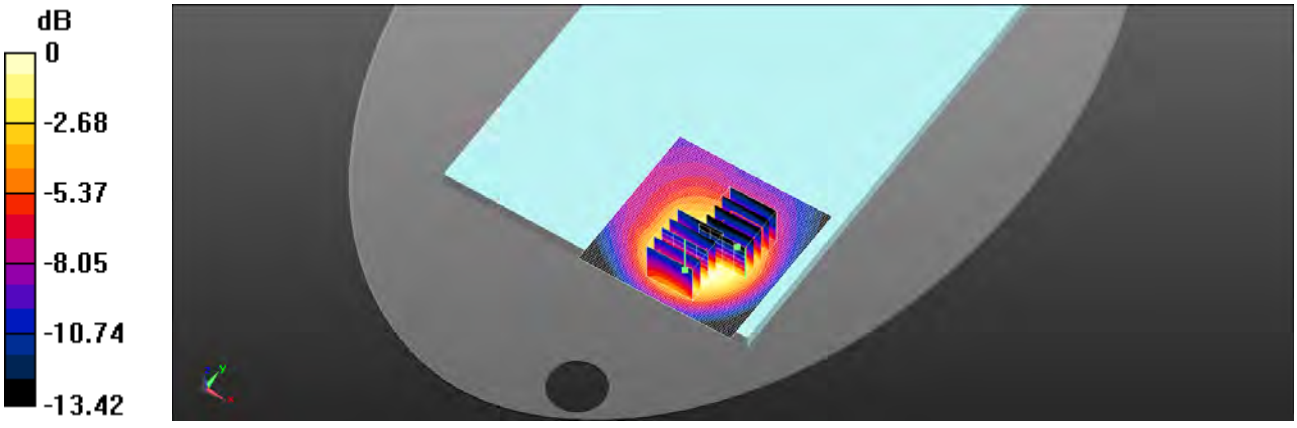
Report No. : E5/2020/B0003
LTE Band 12 (10MHz)_Body_Back side_CH 23095_QPSK_1-25_17mm
Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.899 S/m; ε_r = 42.47; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.641 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.604 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.818 W/kg
SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.287 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.7%
Maximum value of SAR (measured) = 0.665 W/kg
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.604 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.223 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 59.5%
Maximum value of SAR (measured) = 0.525 W/kg



0 dB = 0.665 W/kg = -1.77 dBW/kg

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Date: 2020/11/13

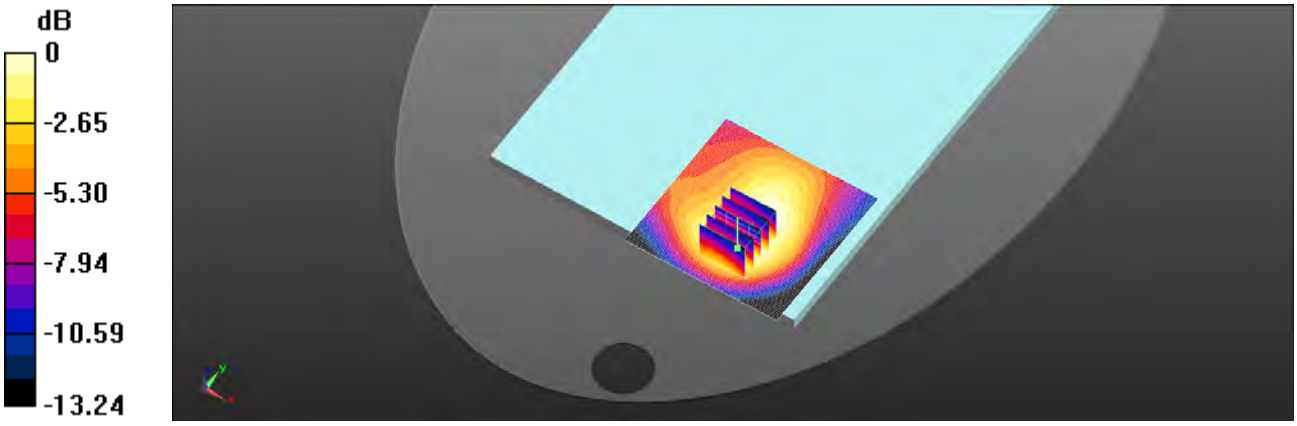
Report No. : E5/2020/B0003
LTE Band 13 (10MHz)_Body_Back side_CH 23230_QPSK_1-0_17mm
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.904 S/m; ε_r = 42.101; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.383 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.345 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.467 W/kg
SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.180 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 62.3%
Maximum value of SAR (measured) = 0.376 W/kg



0 dB = 0.376 W/kg = -4.25 dBW/kg

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Date: 2020/11/14

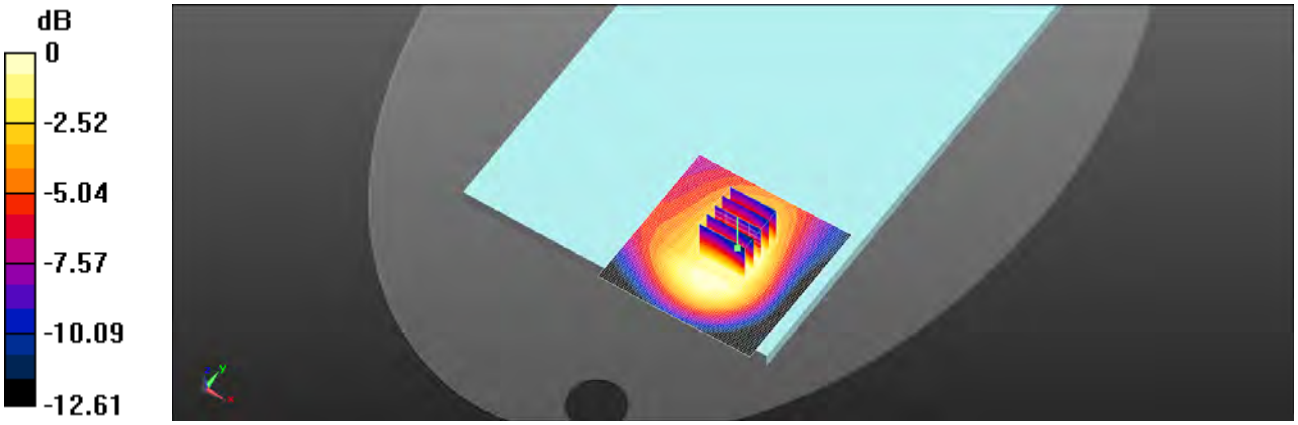
Report No. : E5/2020/B0003
LTE Band 14 (10MHz)_Body_Back side_CH 23330_QPSK_1-25_17mm
Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used: f = 793 MHz; σ = 0.905 S/m; ε_r = 42.048; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.346 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.693 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.395 W/kg
SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.183 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 69.5%
Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg = -4.67 dBW/kg

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Date: 2020/11/14

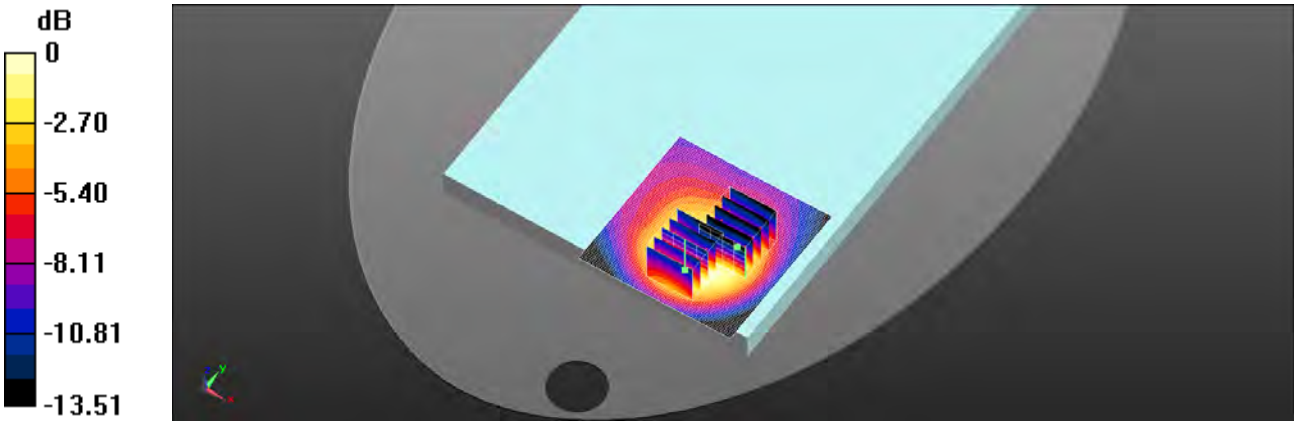
Report No. : E5/2020/B0003
LTE Band 17 (10MHz)_Body_Back side_CH 23790_QPSK_1-25_17mm
Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.898 S/m; ε_r = 42.457; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.626 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.734 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.807 W/kg
SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.283 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.2%
Maximum value of SAR (measured) = 0.655 W/kg
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.734 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.670 W/kg
SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.223 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 61.9%
Maximum value of SAR (measured) = 0.525 W/kg



0 dB = 0.655 W/kg = -1.83 dBW/kg

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Date: 2020/11/19

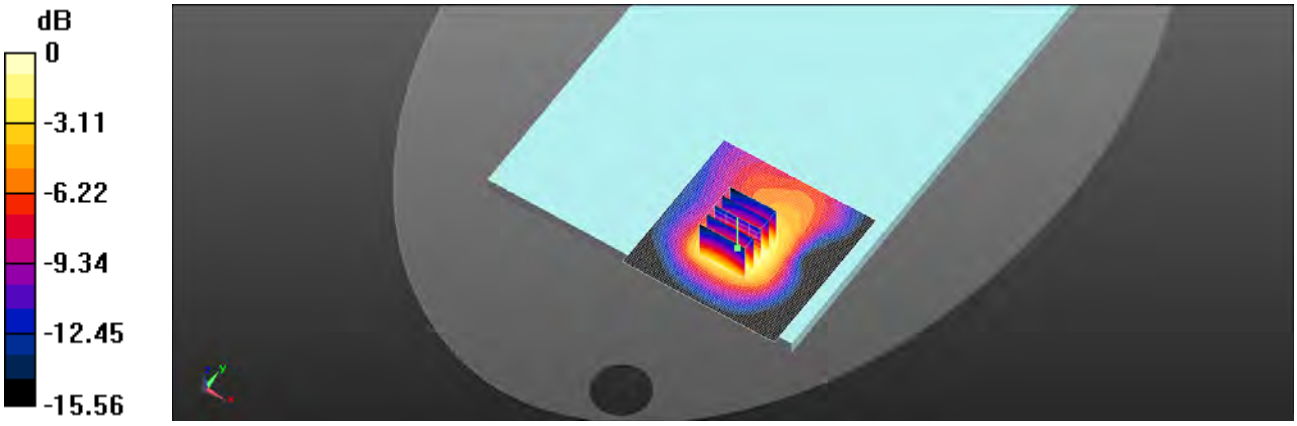
Report No. : E5/2020/B0003
LTE Band 25 (20MHz)_Body_Back side_CH 26590_QPSK_1-99_17mm
Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1905 MHz; σ = 1.408 S/m; ε_r = 40.124; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.01 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.020 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.424 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 61.8%
Maximum value of SAR (measured) = 0.948 W/kg



0 dB = 0.948 W/kg = -0.23 dBW/kg

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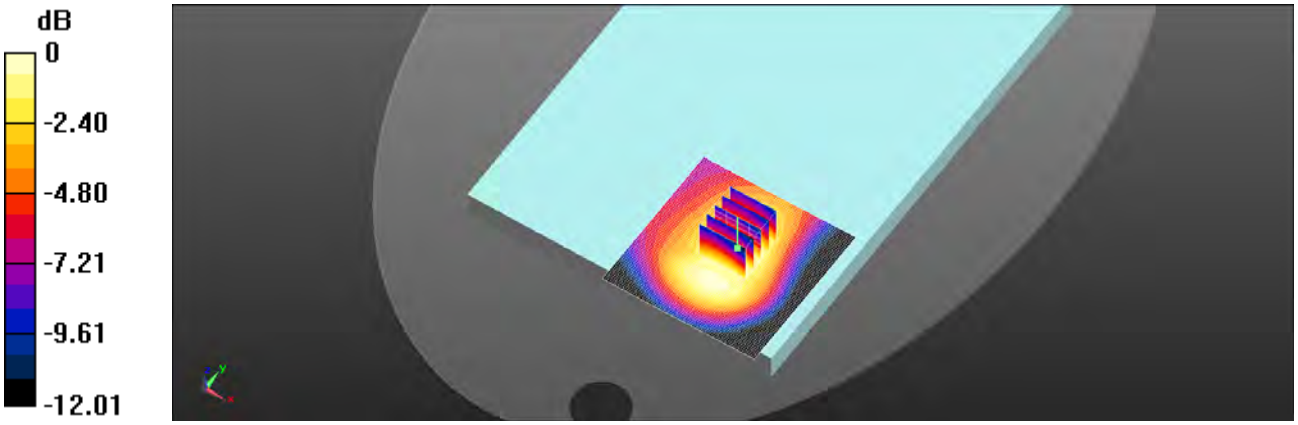
Report No. : E5/2020/B0003
LTE Band 26 (15MHz)_Body_Back side_CH 26865_QPSK_1-0_17mm
Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 831.5 MHz; σ = 0.908 S/m; ε_r = 41.839; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.357 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.696 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.194 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 71%
Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg = -4.56 dBW/kg

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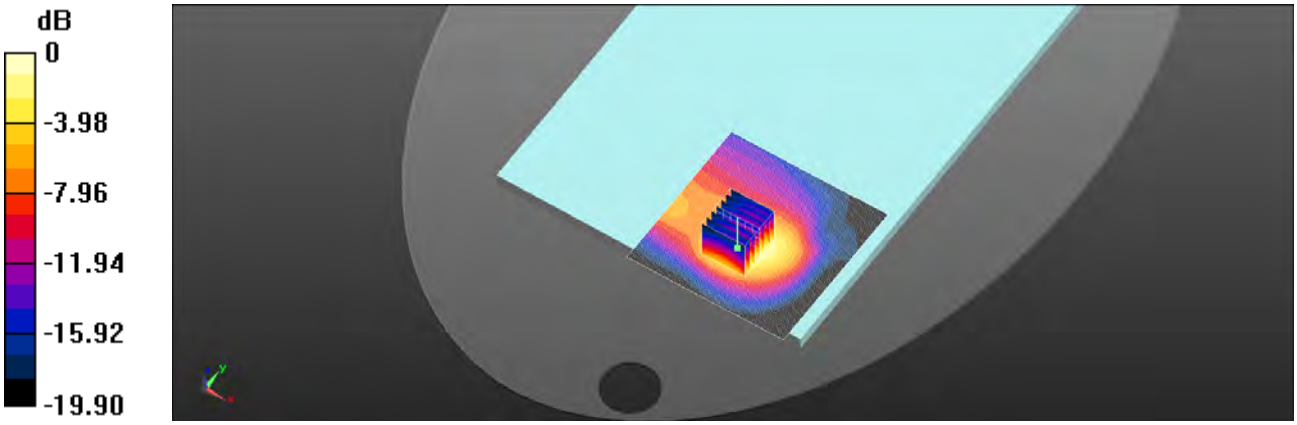
Report No. : E5/2020/B0003
LTE Band 30 (10MHz)_Body_Back side_CH 27710_QPSK_1-0_17mm
Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.654 S/m; ε_r = 39.066; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.81, 7.81, 7.81); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x91x1): 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 = 2.595 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.441 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 51.8%
Maximum value of SAR (measured) = 1.24 W/kg



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

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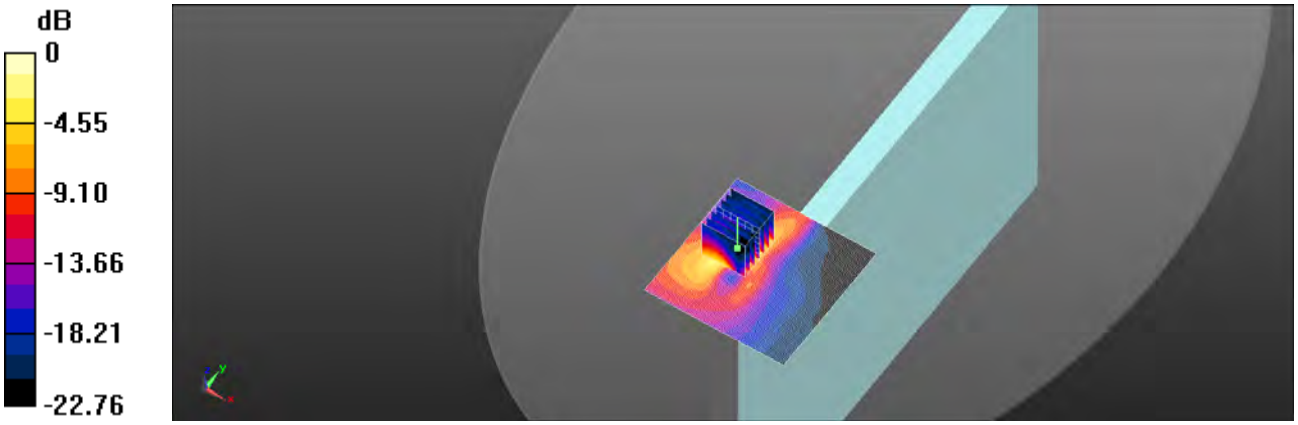
Report No. : E5/2020/B0003
LTE Band 38 (20MHz)_Body_Top side_CH 38150_QPSK_1-50_0mm
Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2610 MHz; σ = 1.951 S/m; ε_r = 38.606; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.537 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.419 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.138 W/kg
Smallest distance from peaks to all points 3 dB below = 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 49.8%
Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.631 W/kg = -2.00 dBW/kg

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Date: 2020/11/22

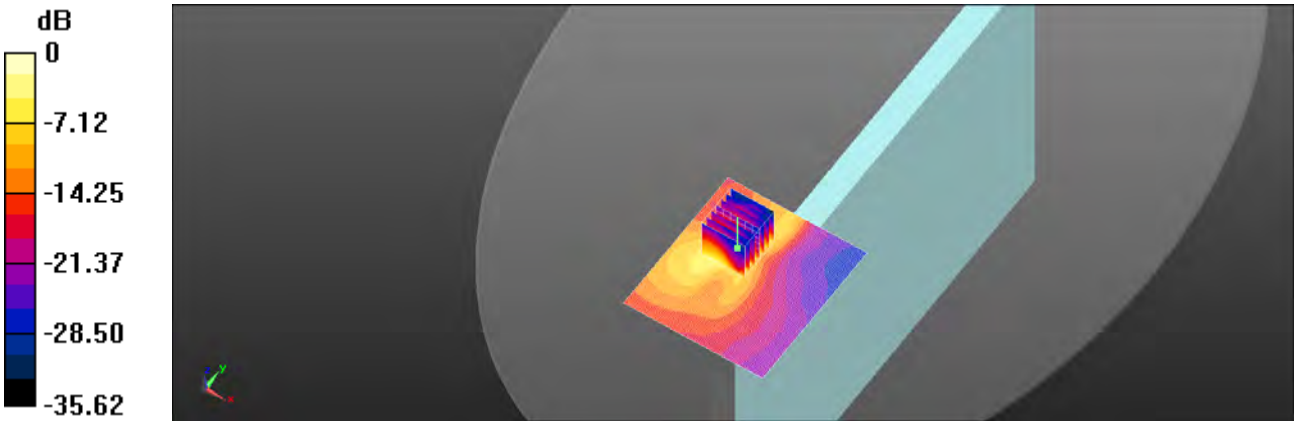
Report No. : E5/2020/B0003
LTE Band 41 (20MHz)_Body_Top side_CH 41490_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2680 MHz; σ = 2.027 S/m; ε_r = 38.507; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x91x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.911 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.233 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.193 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.4%
Maximum value of SAR (measured) = 0.955 W/kg



0 dB = 0.955 W/kg = -0.20 dBW/kg

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Date: 2020/11/22

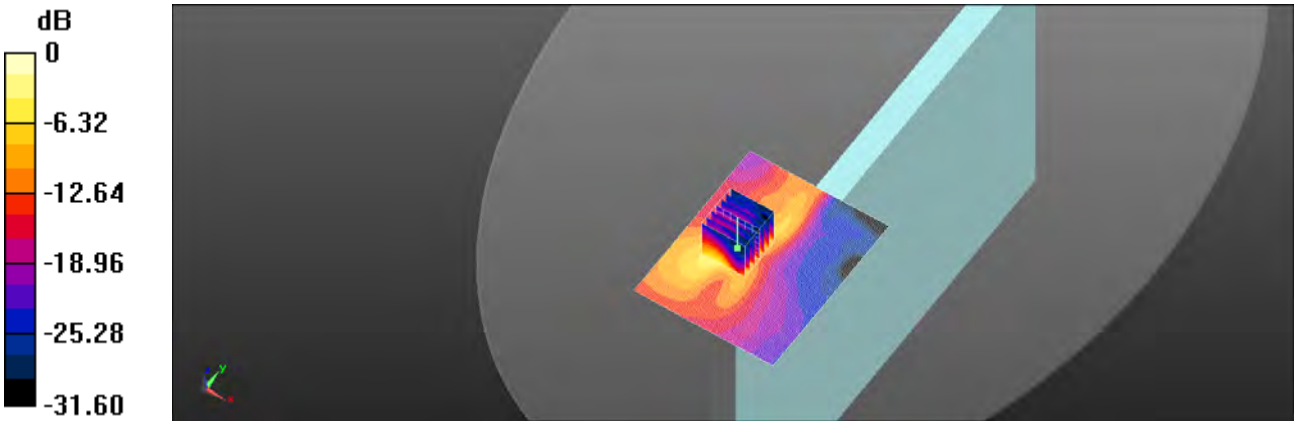
Report No. : E5/2020/B0003
LTE Band 41 (20MHz)_Body_Top side_CH 41490_QPSK_1-0_0mm_HPUE
Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2680 MHz; σ = 2.027 S/m; ε_r = 38.507; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.865 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.991 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.194 W/kg
Smallest distance from peaks to all points 3 dB below = 7.7 mm
Ratio of SAR at M2 to SAR at M1 = 47.2%
Maximum value of SAR (measured) = 0.968 W/kg



0 dB = 0.968 W/kg = -0.14 dBW/kg

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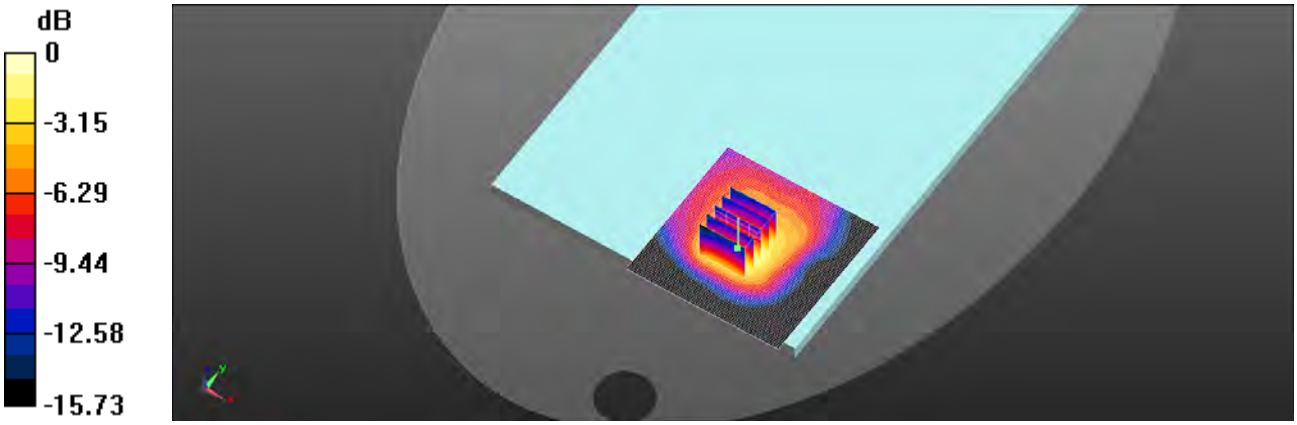
Report No. : E5/2020/B0003
LTE Band 66 (20MHz)_Body_Back side_CH 132072_QPSK_1-0_17mm
Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.356 S/m; ε_r = 40.287; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.369 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.458 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.2%
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.14 dBW/kg

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Date: 2020/11/17

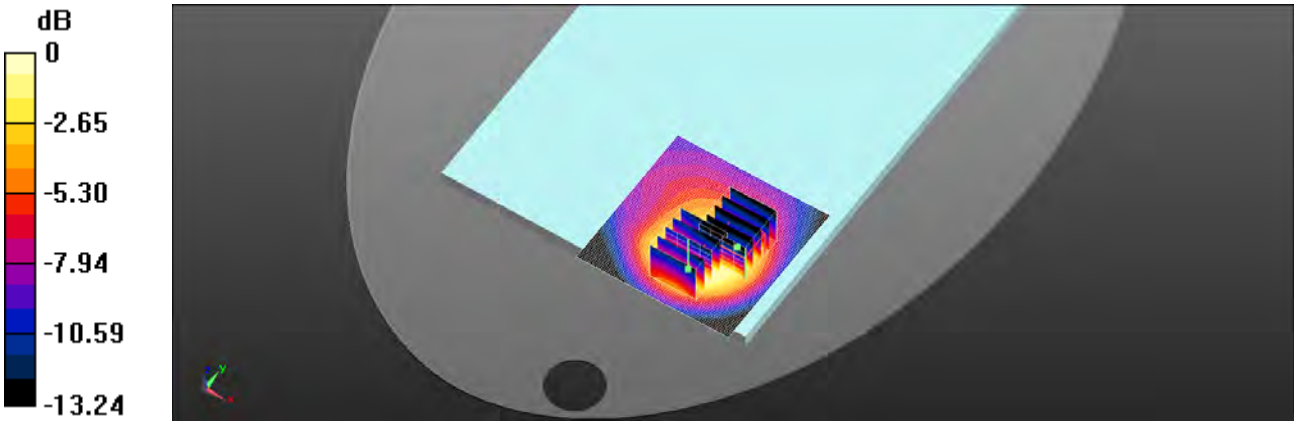
Report No. : E5/2020/B0003
LTE Band 71 (20MHz)_Body_Back side_CH 133372_QPSK_1-0_17mm
Communication System: LTE; Frequency: 688 MHz; Duty Cycle: 1:1
Medium parameters used: f = 688 MHz; σ = 0.897 S/m; ε_r = 42.591; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.720 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.082 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.904 W/kg
SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.315 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 59.6%
Maximum value of SAR (measured) = 0.731 W/kg
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.082 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.705 W/kg
SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.223 W/kg
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 55%
Maximum value of SAR (measured) = 0.531 W/kg



0 dB = 0.731 W/kg = -1.36 dBW/kg

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Date: 2020/12/26

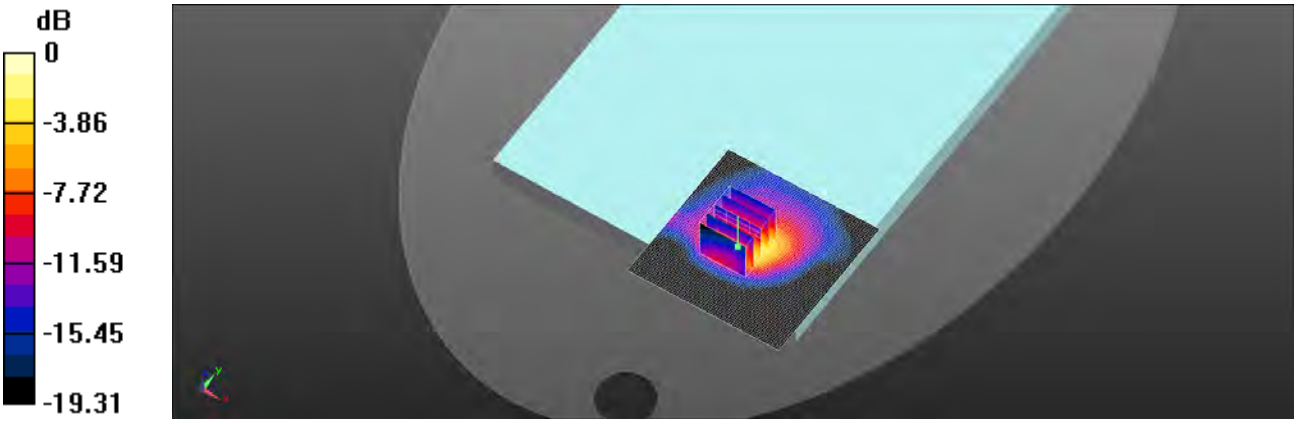
Report No. : E5/2020/B0003
WCDMA II_Body_Back side_CH 9538_0mm
Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.413 S/m; ε_r = 40.142; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.572 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.363 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 49.3%
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.75 dBW/kg

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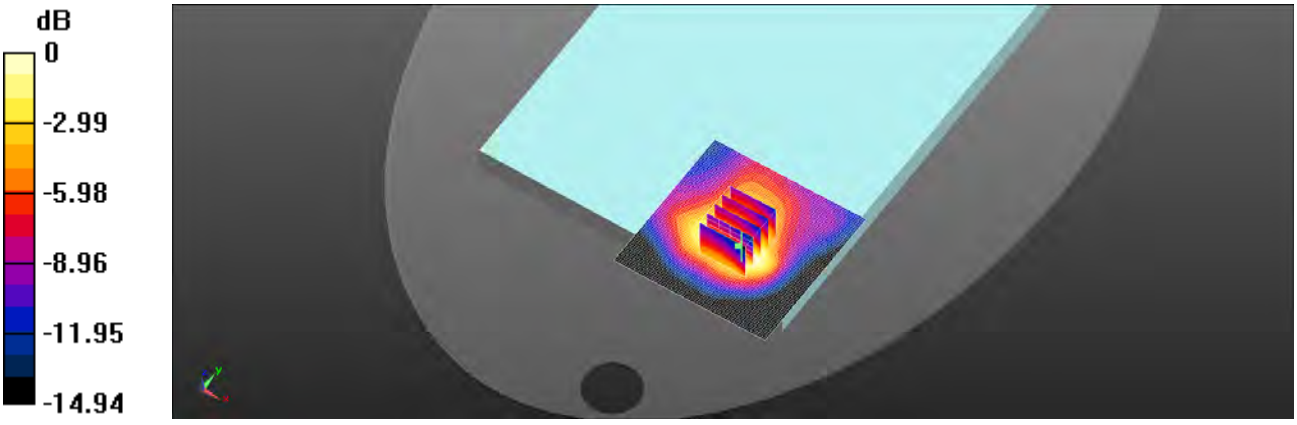
Report No. : E5/2020/B0003
WCDMA V_Body_Back side_CH 4233_0mm
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 847 MHz; σ = 0.922 S/m; ε_r = 41.732; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.36 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.988 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.621 W/kg
Smallest distance from peaks to all points 3 dB below = 9.4 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%
Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

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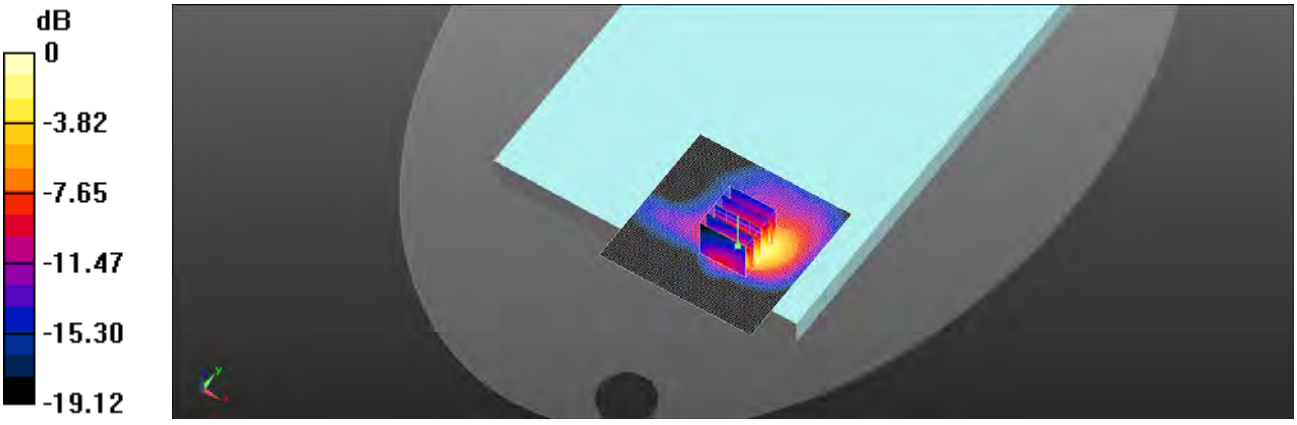
Report No. : E5/2020/B0003
LTE Band 2 (20MHz)_Body_Back side_CH 19100_QPSK_1-99_0mm
Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.408 S/m; ε_r = 40.168; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9460 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.351 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 51.4%
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.14 dBW/kg

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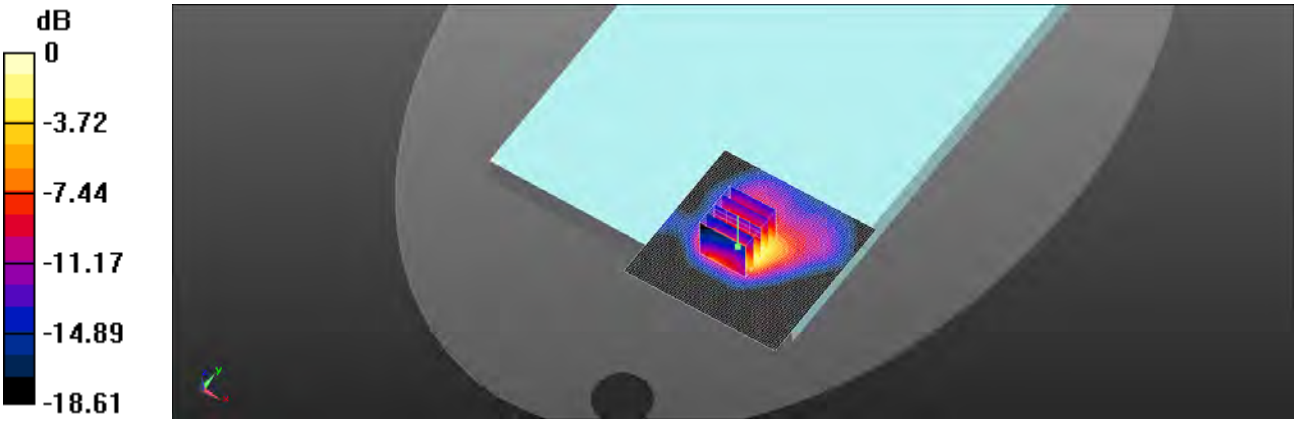
Report No. : E5/2020/B0003
LTE Band 4 (20MHz)_Body_Back side_CH 20175_QPSK_1-50_0mm
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.365 S/m; ε_r = 40.271; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.19 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.4290 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.324 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 48.3%
Maximum value of SAR (measured) = 0.923 W/kg



0 dB = 0.923 W/kg = -0.35 dBW/kg

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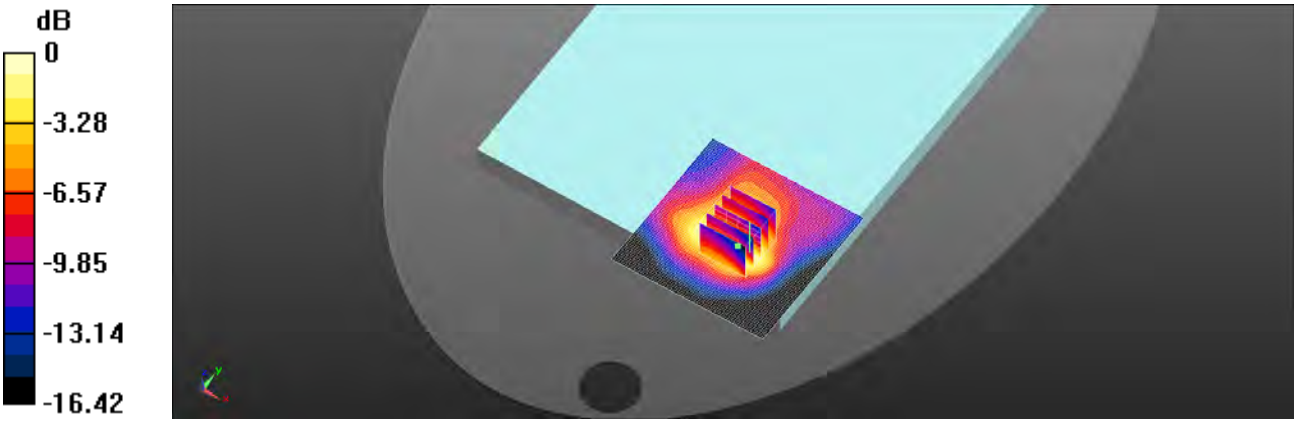
Report No. : E5/2020/B0003
LTE Band 5 (10MHz)_Body_Back side_CH 20600_QPSK_1-49_0mm
Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 0.918 S/m; ε_r = 41.747; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.49 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.012 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.07 W/kg
SAR(1 g) = 0.973 W/kg; SAR(10 g) = 0.621 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.25 dBW/kg

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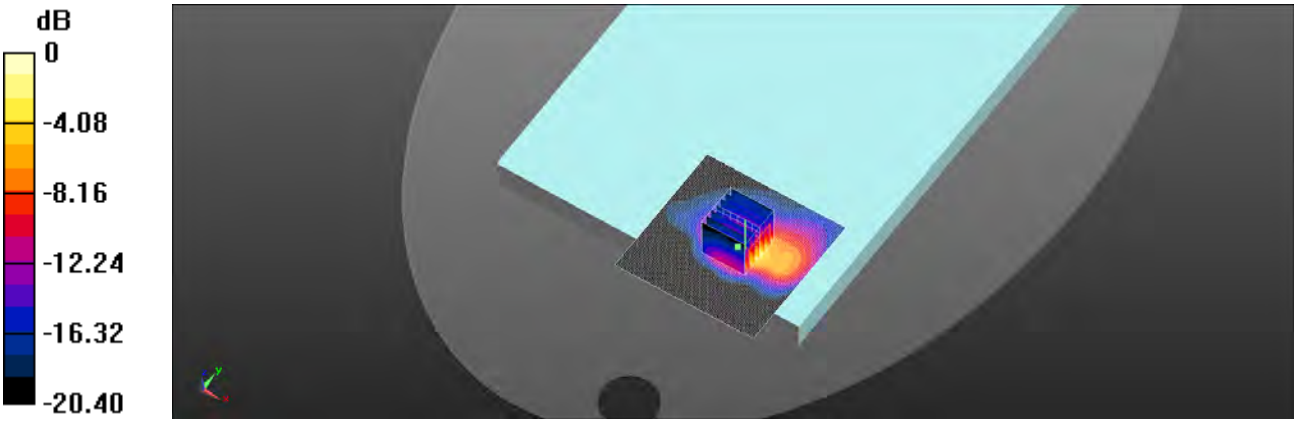
Report No. : E5/2020/B0003
LTE Band 7 (20MHz)_Body_Back side_CH 21350_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.893 S/m; ε_r = 38.623; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.9040 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.326 W/kg
Smallest distance from peaks to all points 3 dB below = 8.7 mm
Ratio of SAR at M2 to SAR at M1 = 46.6%
Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.36 W/kg = 1.34 dBW/kg

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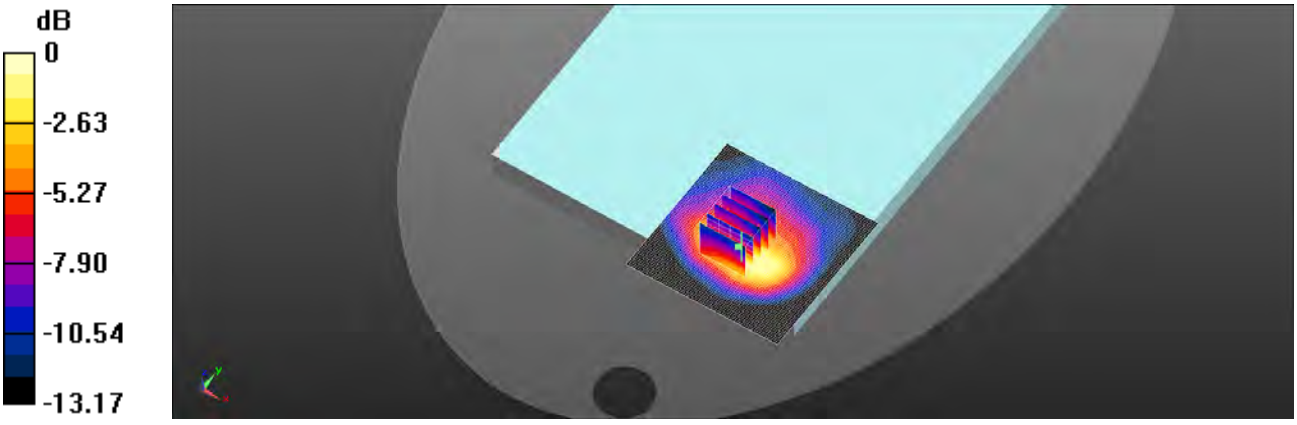
Report No. : E5/2020/B0003
LTE Band 12 (10MHz)_Body_Back side_CH 23060_QPSK_1-49_0mm
Communication System: LTE; Frequency: 704 MHz; Duty Cycle: 1:1
Medium parameters used: f = 704 MHz; σ = 0.897 S/m; ε_r = 42.467; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.47 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.160 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.652 W/kg
Smallest distance from peaks to all points 3 dB below = 9.9 mm
Ratio of SAR at M2 to SAR at M1 = 58.7%
Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

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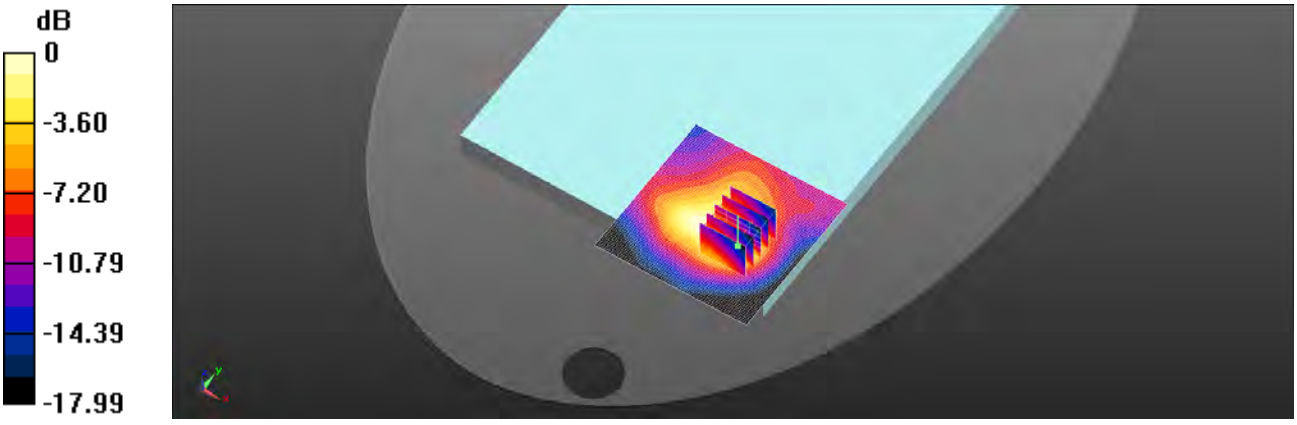
Report No. : E5/2020/B0003
LTE Band 13 (10MHz)_Body_Back side_CH 23230_QPSK_1-0_0mm
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.904 S/m; ε_r = 42.068; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.55 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.407 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.626 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 47.9%
Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.99 dBW/kg

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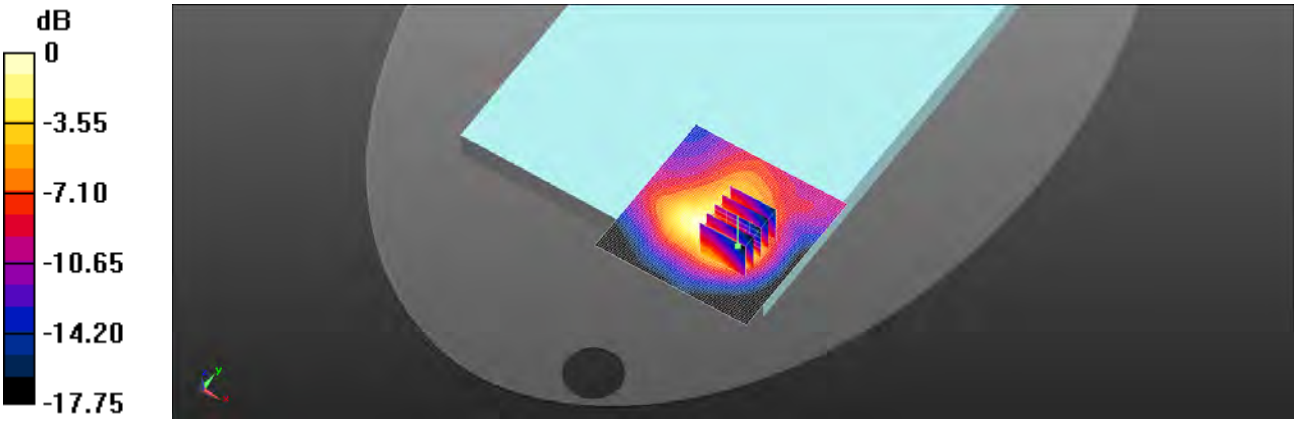
Report No. : E5/2020/B0003
LTE Band 14 (10MHz)_Body_Back side_CH 23330_QPSK_1-0_0mm
Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used: f = 793 MHz; σ = 0.906 S/m; ε_r = 41.993; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.60 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.407 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.648 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 47.6%
Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

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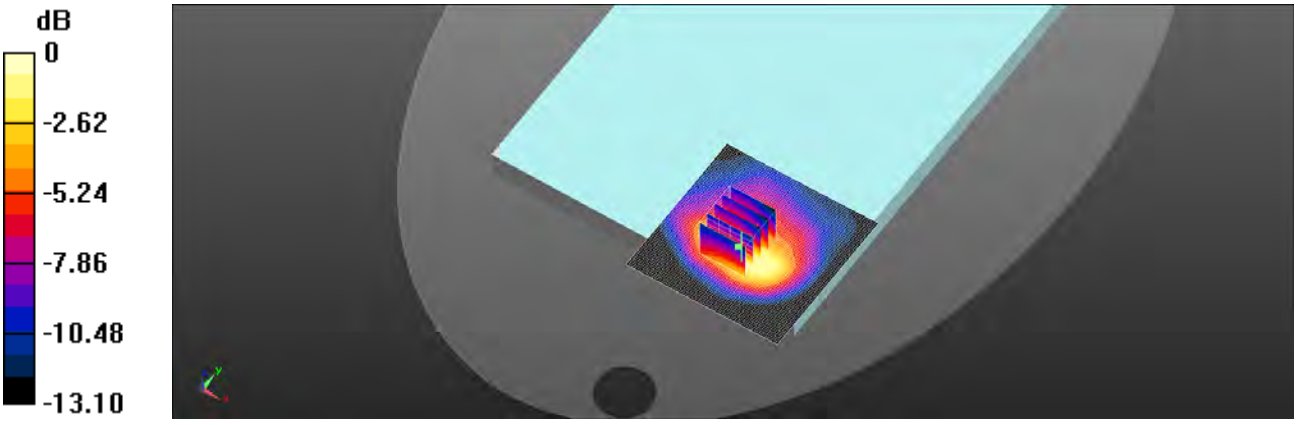
Report No. : E5/2020/B0003
LTE Band 17 (10MHz)_Body_Back side_CH 23780_QPSK_1-25_0mm
Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1
Medium parameters used: f = 709 MHz; σ = 0.898 S/m; ε_r = 42.45; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.48 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.476 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.659 W/kg
Smallest distance from peaks to all points 3 dB below = 9.9 mm
Ratio of SAR at M2 to SAR at M1 = 58.9%
Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.62 dBW/kg

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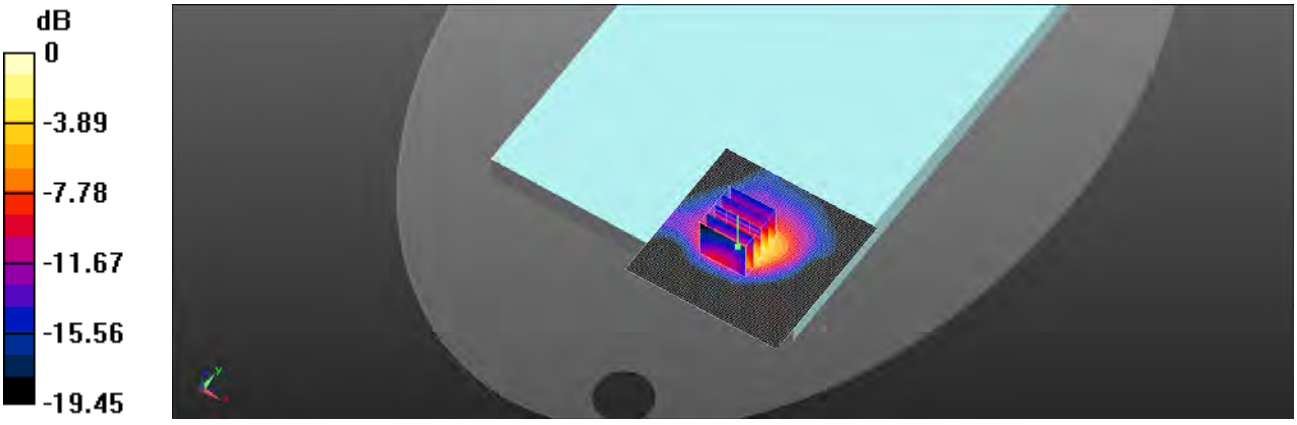
Report No. : E5/2020/B0003
LTE Band 25 (20MHz)_Body_Back side_CH 26590_QPSK_1-99_0mm
Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1905 MHz; σ = 1.41 S/m; ε_r = 40.152; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.48 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.3600 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.400 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 48.6%
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

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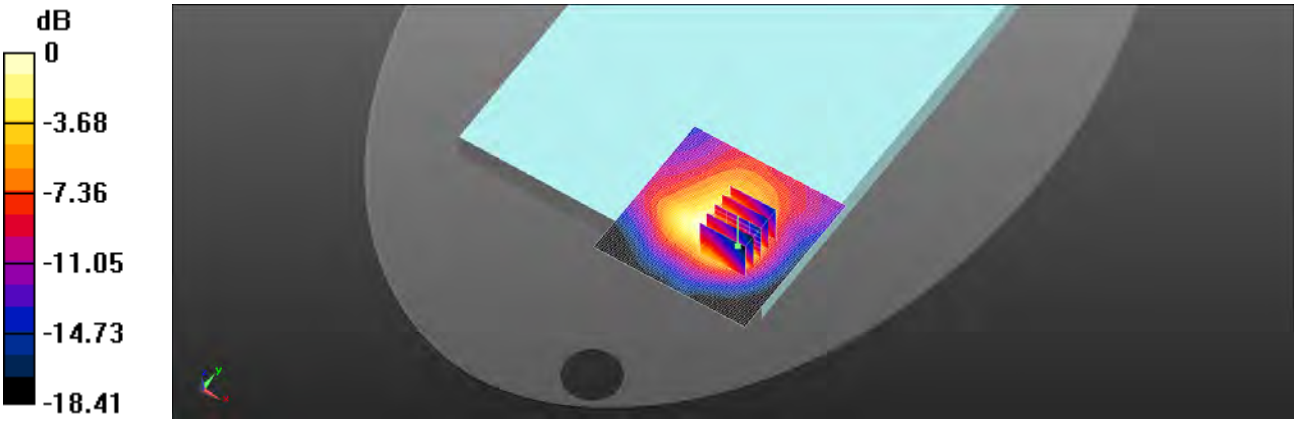
Report No. : E5/2020/B0003
LTE Band 26 (15MHz)_Body_Back side_CH 26965_QPSK_1-74_0mm
Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.915 S/m; ε_r = 41.753; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.59 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.393 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.650 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 49.2%
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.89 dBW/kg

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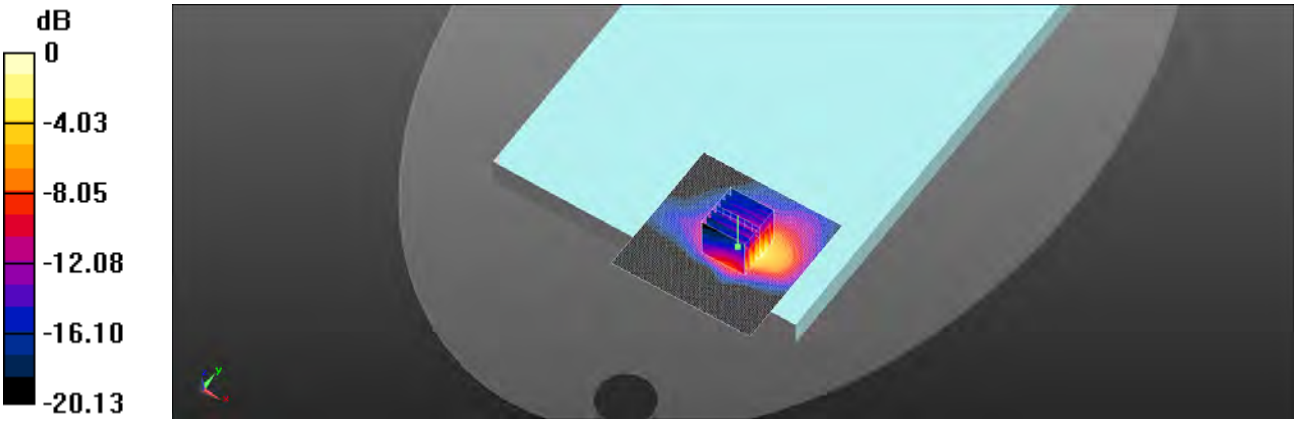
Report No. : E5/2020/B0003
LTE Band 30 (10MHz)_Body_Back side_CH 27710_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.652 S/m; ε_r = 39.019; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.81, 7.81, 7.81); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.983 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.7600 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.316 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 47.1%
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

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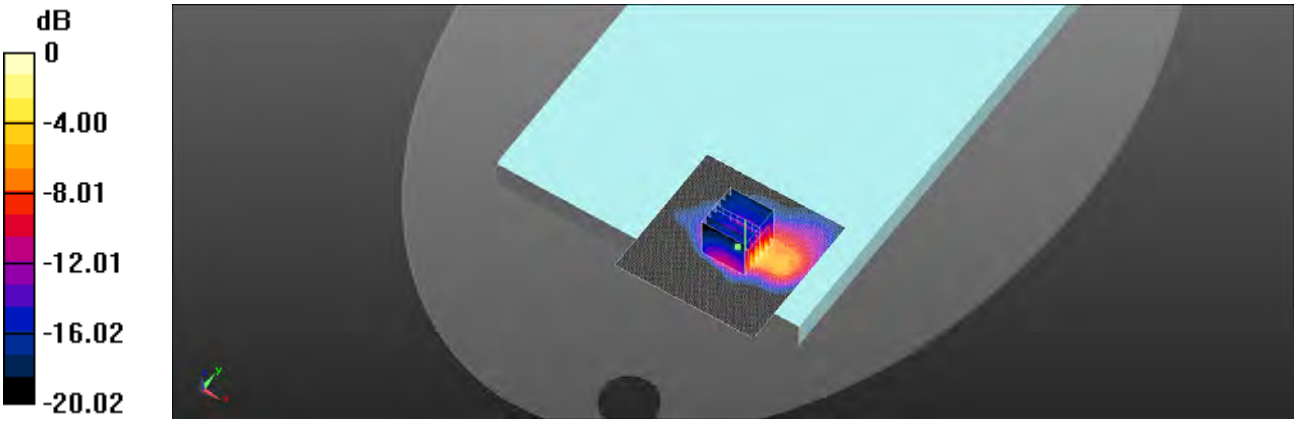
Report No. : E5/2020/B0003
LTE Band 38 (20MHz)_Body_Back side_CH 38000_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2595 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2595 MHz; σ = 1.929 S/m; ε_r = 38.598; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.877 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.4330 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.254 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 46.6%
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.26 dBW/kg

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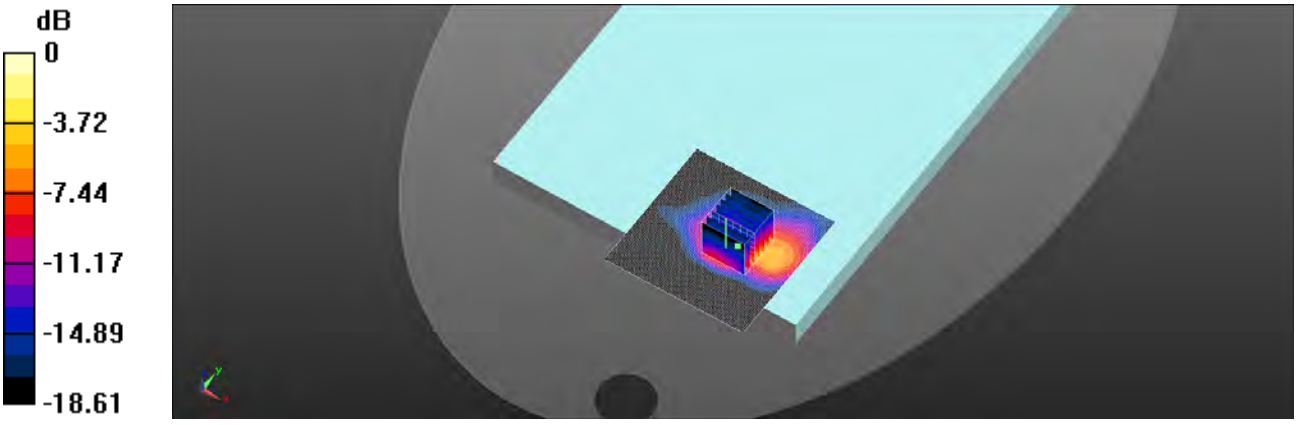
Report No. : E5/2020/B0003
LTE Band 41 (20MHz)_Body_Back side_CH 41055_QPSK_1-50_0mm
Communication System: LTE; Frequency: 2636.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2636.5 MHz; σ = 1.975 S/m; ε_r = 38.515; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.706 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.023 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.218 W/kg
Smallest distance from peaks to all points 3 dB below = 8.7 mm
Ratio of SAR at M2 to SAR at M1 = 47.1%
Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.915 W/kg = -0.39 dBW/kg

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Date: 2020/12/28

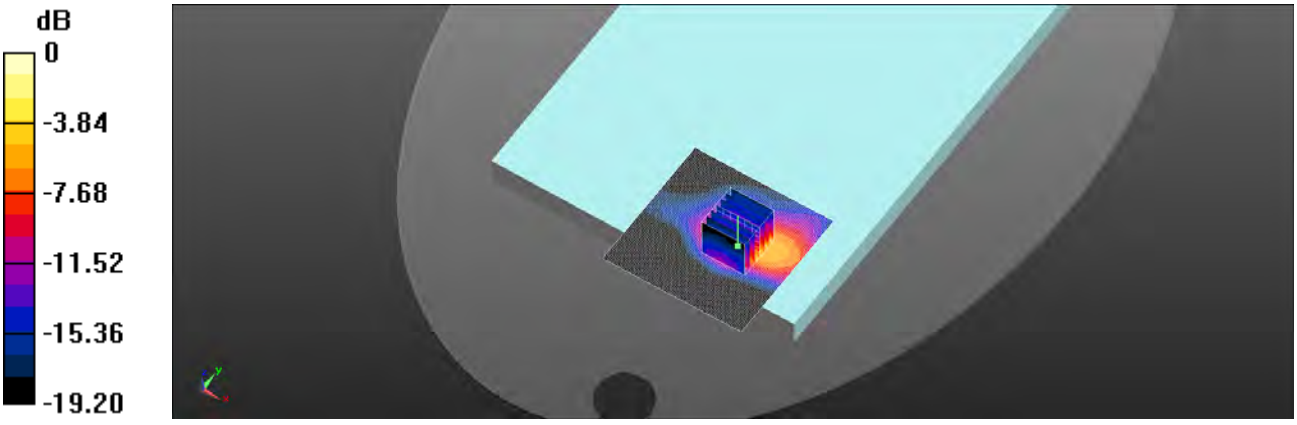
Report No. : E5/2020/B0003
LTE Band 41 (20MHz)_Body_Back side_CH 41055_QPSK_1-50_0mm_HUPE
Communication System: LTE; Frequency: 2636.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2636.5 MHz; σ = 1.975 S/m; ε_r = 38.515; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x81x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.913 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.360 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.218 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 47.3%
Maximum value of SAR (measured) = 0.916 W/kg



0 dB = 0.916 W/kg = -0.38 dBW/kg

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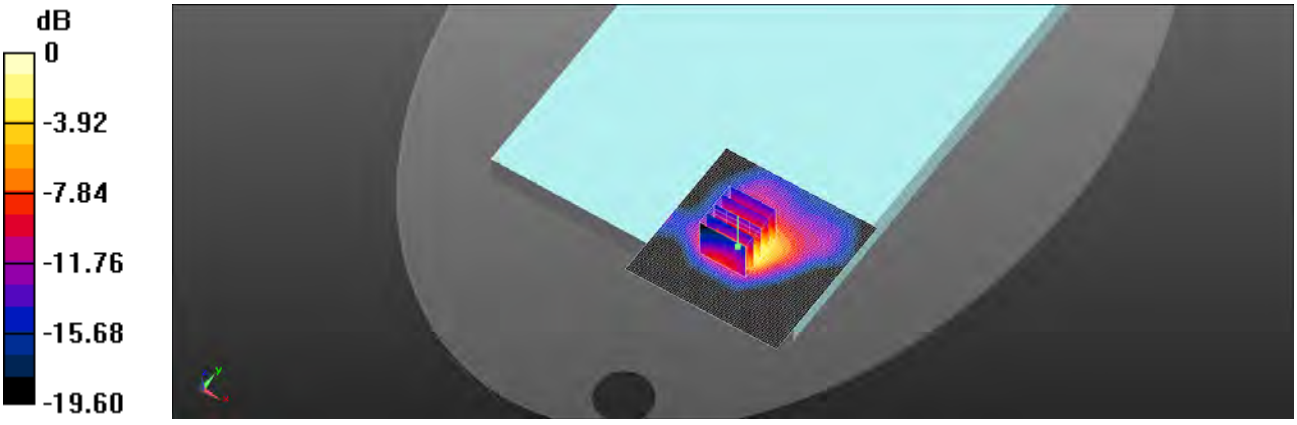
Report No. : E5/2020/B0003
LTE Band 66 (20MHz)_Body_Back side_CH 132572_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.387 S/m; ε_r = 40.235; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.5990 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.374 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 47%
Maximum value of SAR (measured) = 1.16 W/kg



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

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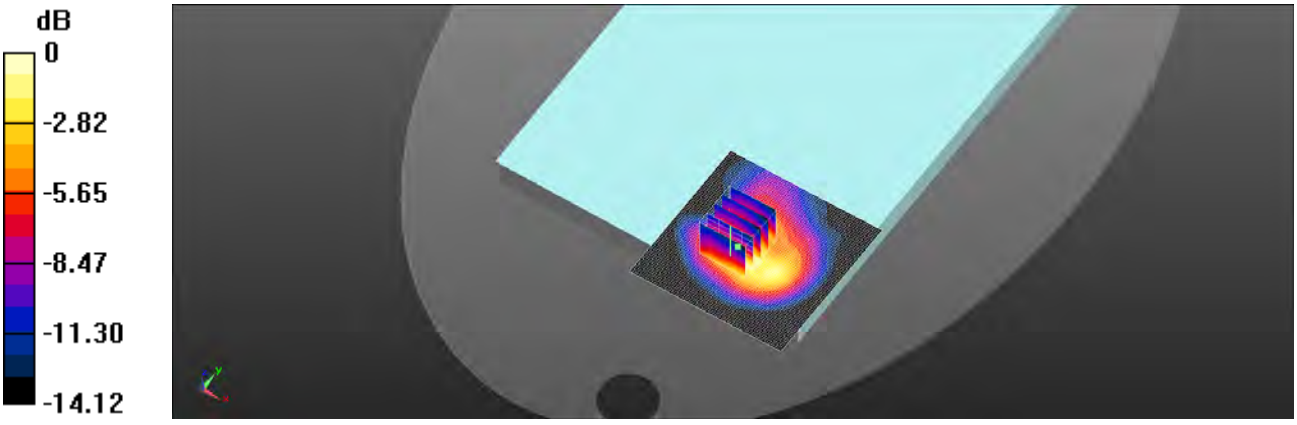
Report No. : E5/2020/B0003
LTE Band 71 (20MHz)_Body_Back side_CH 133222_QPSK_1-50_0mm
Communication System: LTE; Frequency: 673 MHz; Duty Cycle: 1:1
Medium parameters used: f = 673 MHz; σ = 0.895 S/m; ε_r = 42.634; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.33 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.481 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.479 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 55.5%
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.50 dBW/kg

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Date: 2020/12/14

Report No. : E5/2020/B0015

WLAN 802.11b_Body_Bottom side_CH 1_0mm_Main

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:0.990

Medium parameters used: f = 2412 MHz; σ = 1.739 S/m; ε_r = 38.879; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.85, 7.85, 7.85); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.35 W/kg

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

Reference Value = 1.397 V/m; Power Drift = 0.03 dB

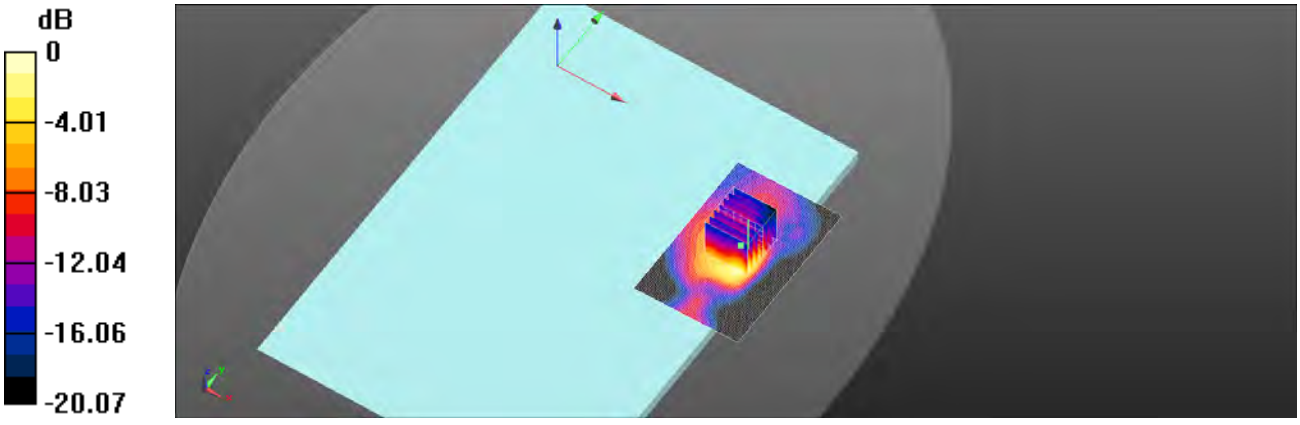
Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.415 W/kg

Smallest distance from peaks to all points 3 dB below = 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 54.1%

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



0 dB = 1.37 W/kg = 1.36 dBW/kg

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Date: 2020/12/14

Report No. : E5/2020/B0015
Bluetooth(GFSK)_Body_Bottom side_CH 39_0mm_Main

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:0.772

Medium parameters used: f = 2441 MHz; σ = 1.765 S/m; ε_r = 38.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.85, 7.85, 7.85); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.449 W/kg

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

Reference Value = 0.8150 V/m; Power Drift = 0.02 dB

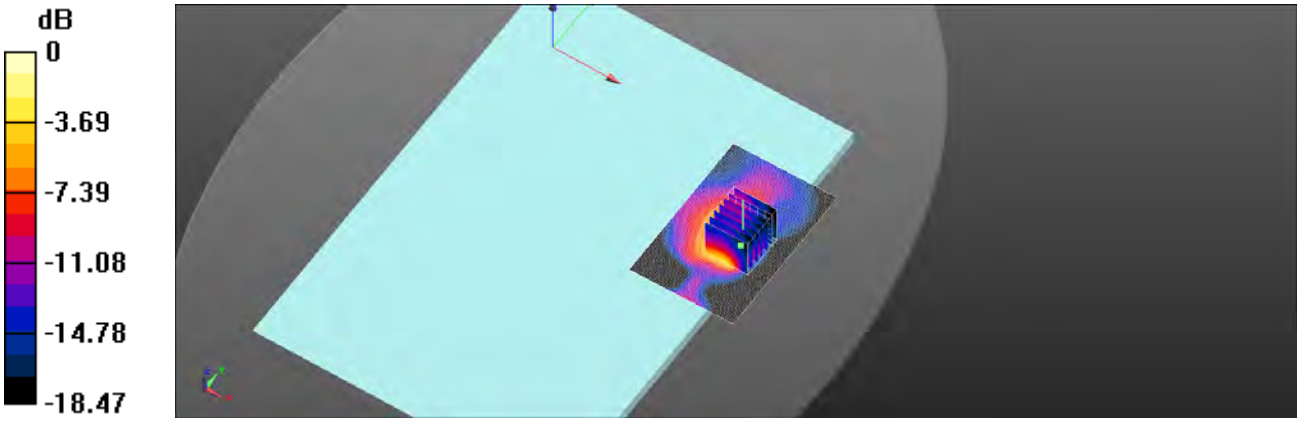
Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.143 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 0.463 W/kg



0 dB = 0.463 W/kg = -3.35 dBW/kg

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Date: 2020/12/15

Report No. : E5/2020/B0015

WLAN 802.11a 5.2G_Body_Bottom side_CH 44_0mm_Main

Communication System: WLAN; Frequency: 5220 MHz; Duty Cycle: 1:0.981

Medium parameters used: f = 5220 MHz; σ = 4.641 S/m; ε_r = 35.826; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.05 W/kg

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

Reference Value = 1.481 V/m; Power Drift = 0.06 dB

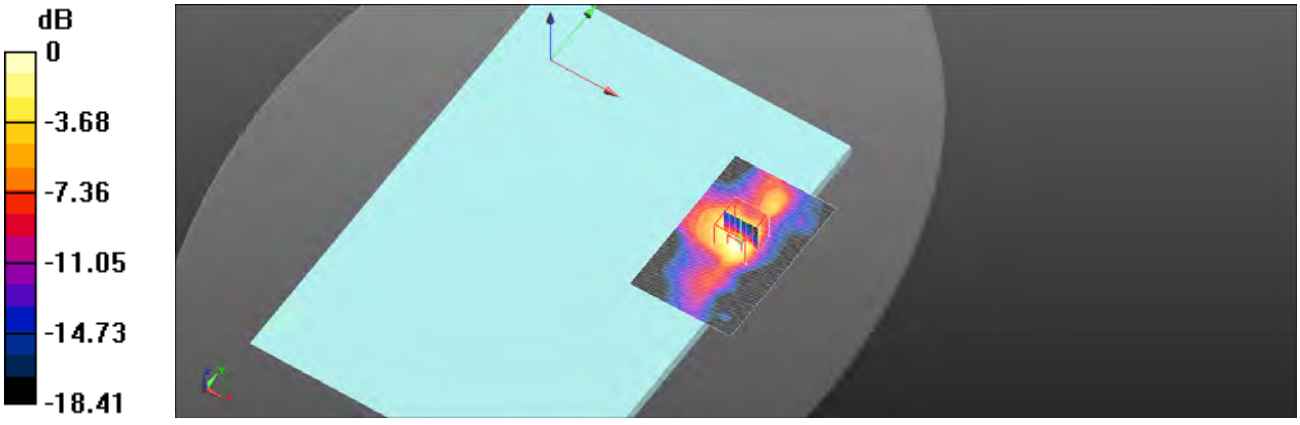
Peak SAR (extrapolated) = 2.80 W/kg

SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.358 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 61%

Maximum value of SAR (measured) = 1.69 W/kg



0 dB = 1.69 W/kg = 2.28 dBW/kg

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Date: 2020/12/15

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.2G_Body_Bottom side_CH 38_0mm_Main

Communication System: WLAN; Frequency: 5190 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5190 MHz; σ = 4.61 S/m; ε_r = 35.853; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.51 W/kg

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

Reference Value = 1.499 V/m; Power Drift = 0.06 dB

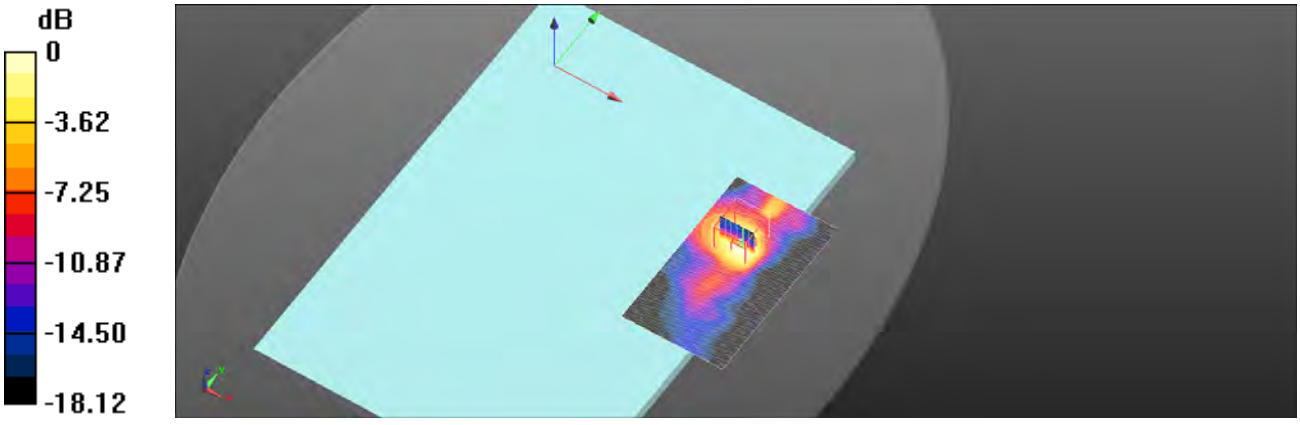
Peak SAR (extrapolated) = 2.81 W/kg

SAR(1 g) = 0.841 W/kg; SAR(10 g) = 0.326 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 59.2%

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.74 dBW/kg

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Date: 2020/12/16

Report No. : E5/2020/B0015

WLAN 802.11a 5.3G_Body_Bottom side_CH 64_0mm_Main

Communication System: WLAN; Frequency: 5320 MHz; Duty Cycle: 1:0.981

Medium parameters used: f = 5320 MHz; σ = 4.734 S/m; ε_r = 35.719; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.45, 5.45, 5.45); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.78 W/kg

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

Reference Value = 1.529 V/m; Power Drift = 0.05 dB

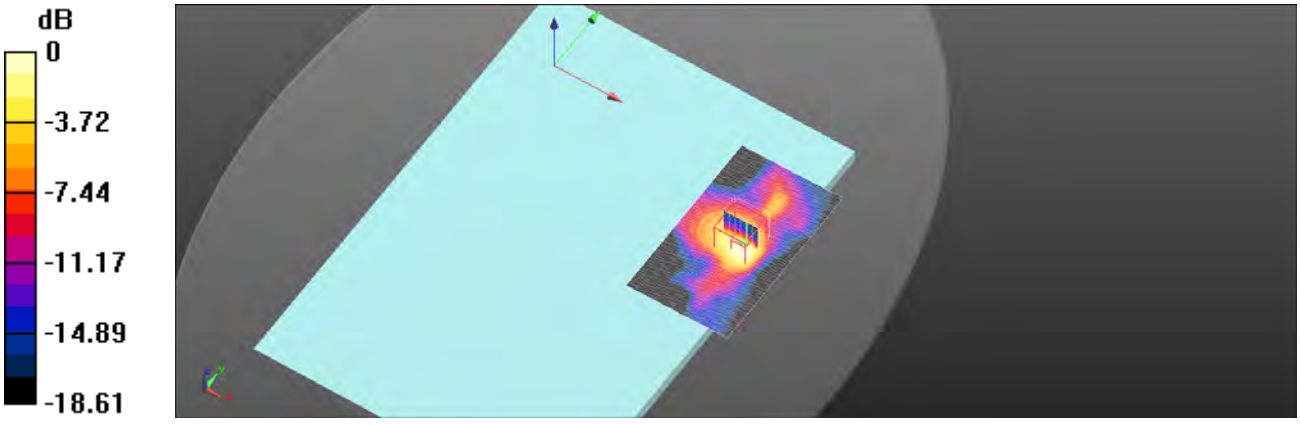
Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 0.939 W/kg; SAR(10 g) = 0.374 W/kg

Smallest distance from peaks to all points 3 dB below = 7.7 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 1.68 W/kg



0 dB = 1.68 W/kg = 2.24 dBW/kg

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Date: 2020/12/16

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.3G_Body_Bottom side_CH 54_0mm_Main

Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5270 MHz; σ = 4.693 S/m; ε_r = 35.759; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.45, 5.45, 5.45); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.00 W/kg

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

Reference Value = 1.342 V/m; Power Drift = 0.04 dB

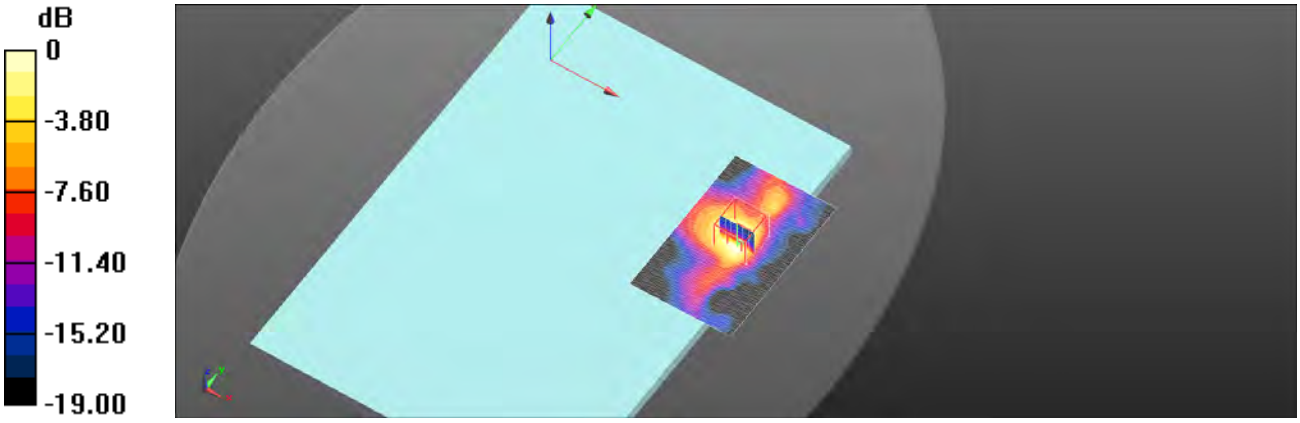
Peak SAR (extrapolated) = 2.78 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.350 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 60.2%

Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

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Date: 2020/12/17

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.6G_Body_Bottom side_CH 142_0mm_Main

Communication System: WLAN; Frequency: 5710 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5710 MHz; σ = 5.143 S/m; ε_r = 35.247; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.07 W/kg

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

Reference Value = 1.401 V/m; Power Drift = 0.06 dB

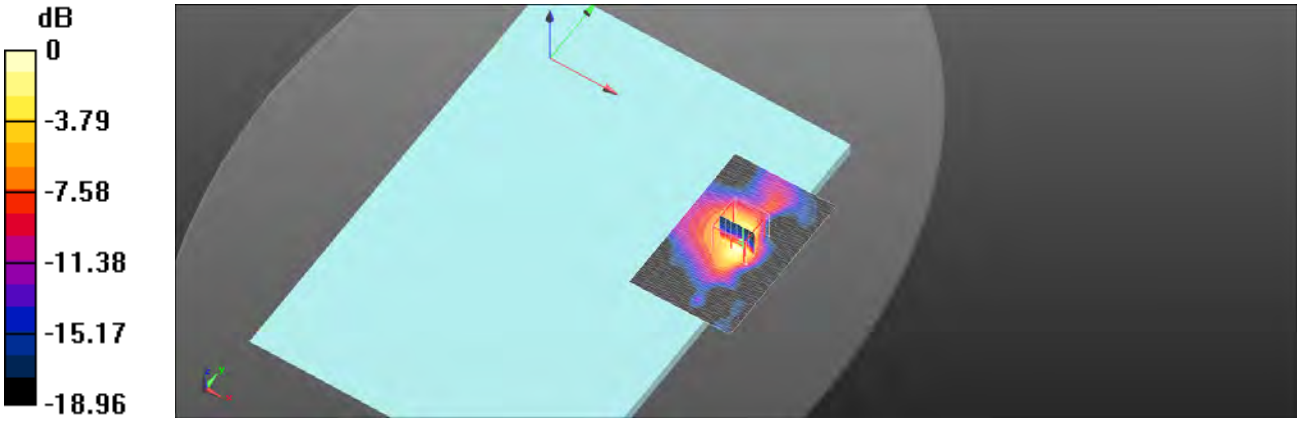
Peak SAR (extrapolated) = 3.87 W/kg

SAR(1 g) = 0.953 W/kg; SAR(10 g) = 0.344 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.9%

Maximum value of SAR (measured) = 2.03 W/kg



0 dB = 2.03 W/kg = 2.97 dBW/kg

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Date: 2020/12/17

Report No. : E5/2020/B0015

WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 122_0mm_Main

Communication System: WLAN; Frequency: 5610 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5610 MHz; σ = 5.043 S/m; ε_r = 35.334; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 2.07 W/kg

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

Reference Value = 1.462 V/m; Power Drift = 0.02 dB

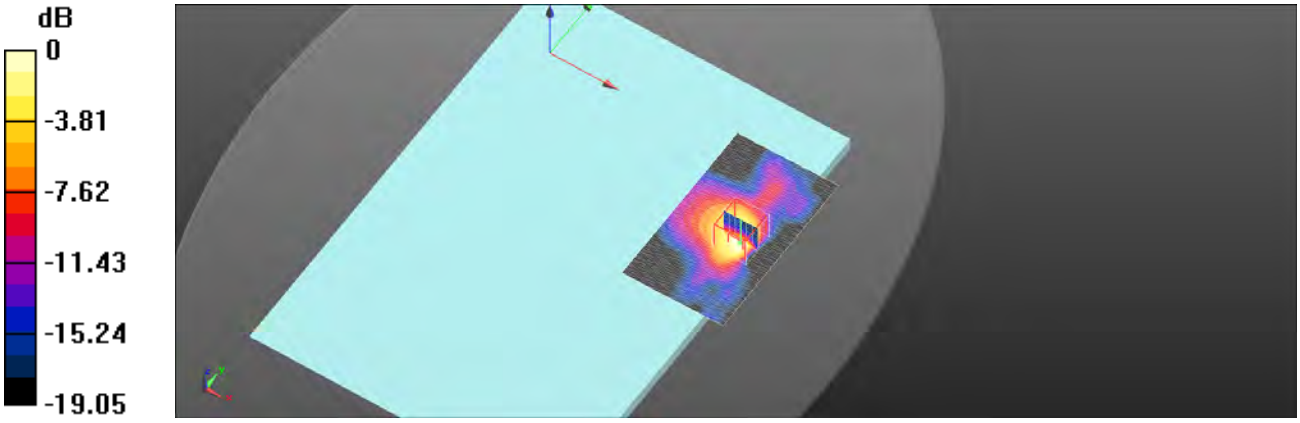
Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.306 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.84 W/kg = 2.65 dBW/kg

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Date: 2020/12/18

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.8G_Body_Bottom side_CH 159_0mm_Main

Communication System: WLAN; Frequency: 5795 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5795 MHz; σ = 5.227 S/m; ε_r = 35.168; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.94 W/kg

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

Reference Value = 1.276 V/m; Power Drift = 0.06 dB

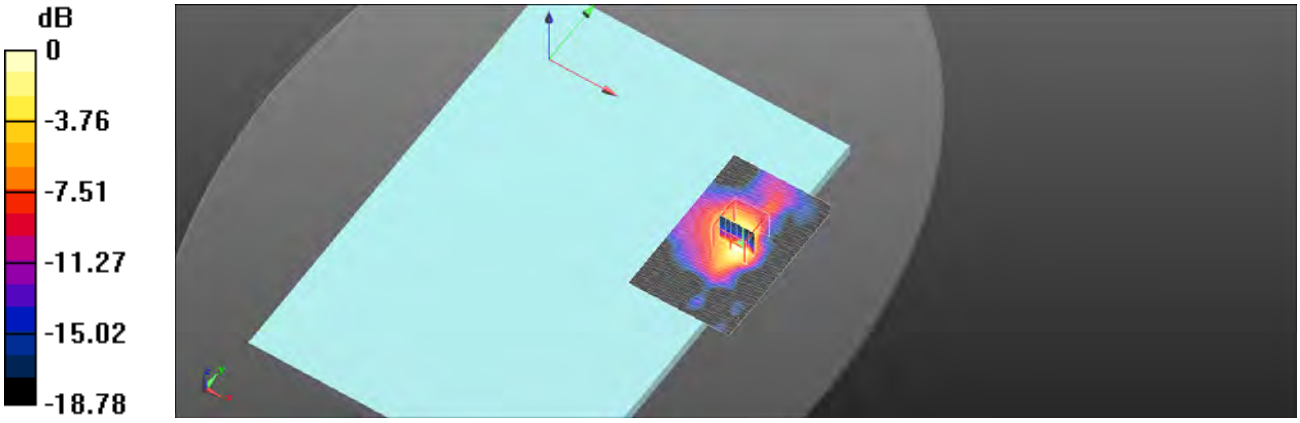
Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.318 W/kg

Smallest distance from peaks to all points 3 dB below = 7.7 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.71 dBW/kg

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Date: 2020/12/18

Report No. : E5/2020/B0015

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

Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5775 MHz; σ = 5.209 S/m; ε_r = 35.17; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.83 W/kg

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

Reference Value = 1.271 V/m; Power Drift = 0.02 dB

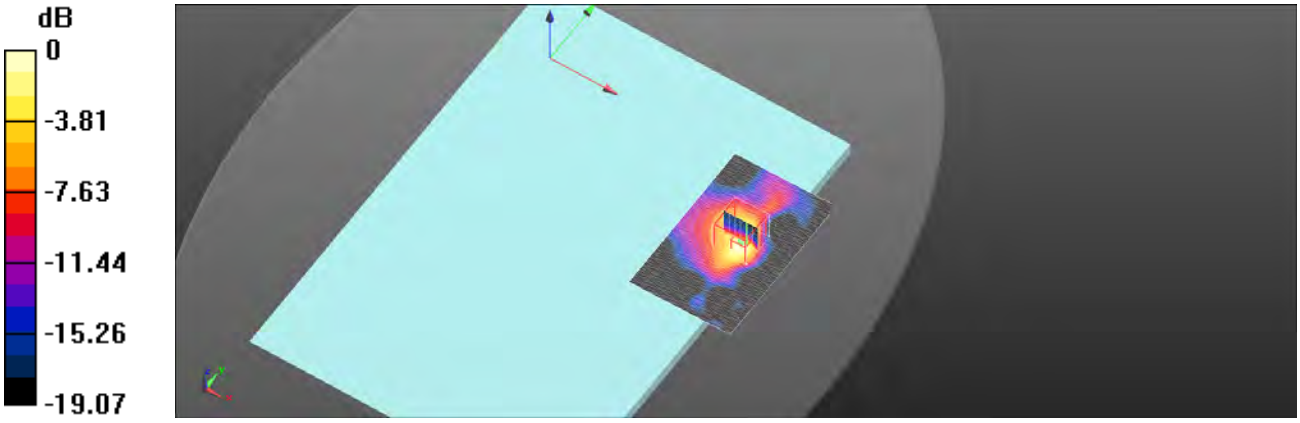
Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.297 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 1.83 W/kg



0 dB = 1.83 W/kg = 2.61 dBW/kg

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Date: 2020/12/14

Report No. : E5/2020/B0015

WLAN 802.11b_Body_Bottom side_CH 1_0mm_Aux

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:0.990

Medium parameters used: f = 2412 MHz; σ = 1.739 S/m; ε_r = 38.879; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.85, 7.85, 7.85); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.32 W/kg

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

Reference Value = 1.273 V/m; Power Drift = 0.05 dB

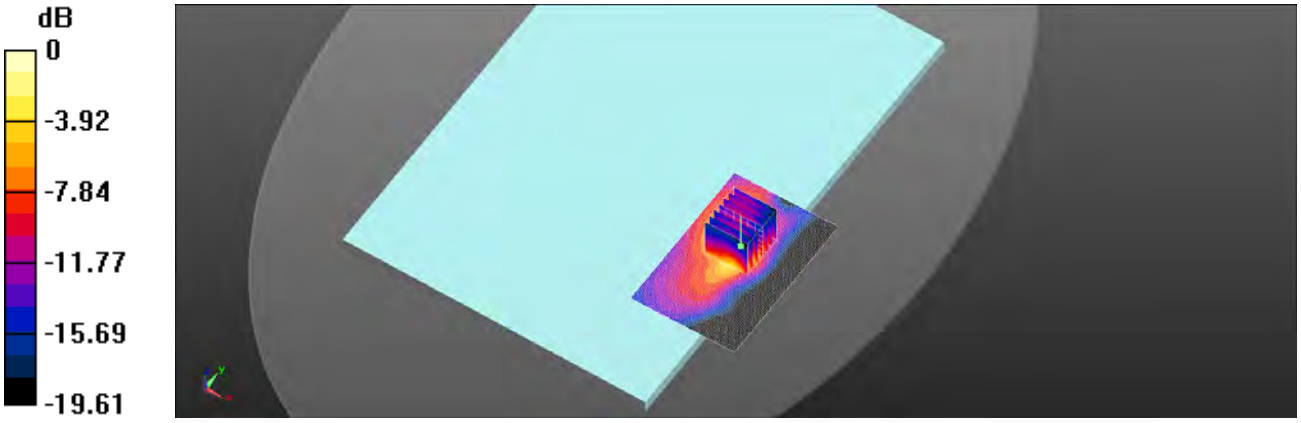
Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.777 W/kg; SAR(10 g) = 0.378 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 56%

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



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

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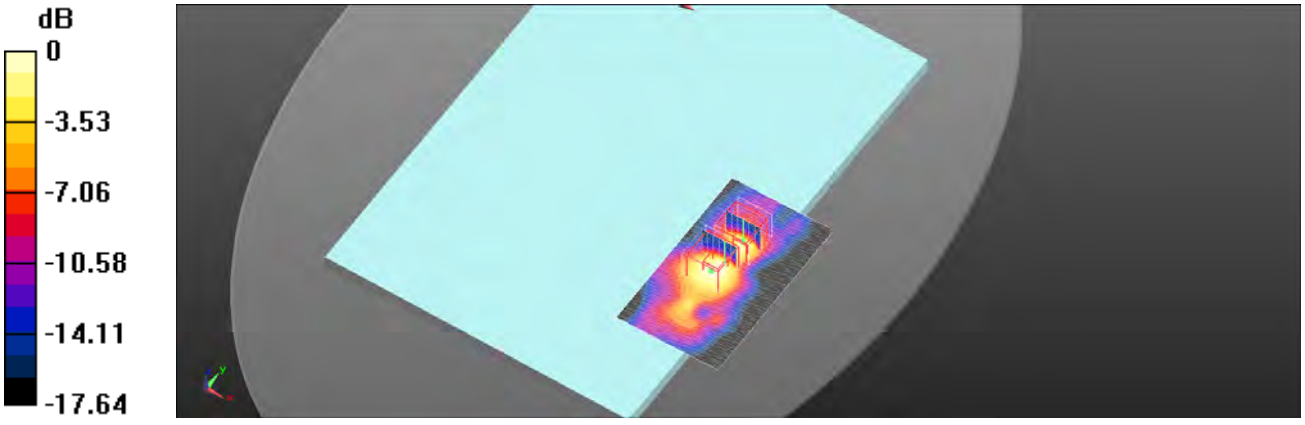
Date: 2020/12/15

Report No. : E5/2020/B0015
WLAN 802.11n(40M) 5.2G_Body_Bottom side_CH 46_0mm_Aux
Communication System: WLAN; Frequency: 5230 MHz; Duty Cycle: 1:0.959
Medium parameters used: f = 5230 MHz; σ = 4.652 S/m; ε_r = 35.818; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.921 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.216 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.82 W/kg
SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.219 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 57.6%
Maximum value of SAR (measured) = 1.02 W/kg
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.216 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.151 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 64.5%
Maximum value of SAR (measured) = 0.992 W/kg



0 dB = 0.992 W/kg = -0.03 dBW/kg

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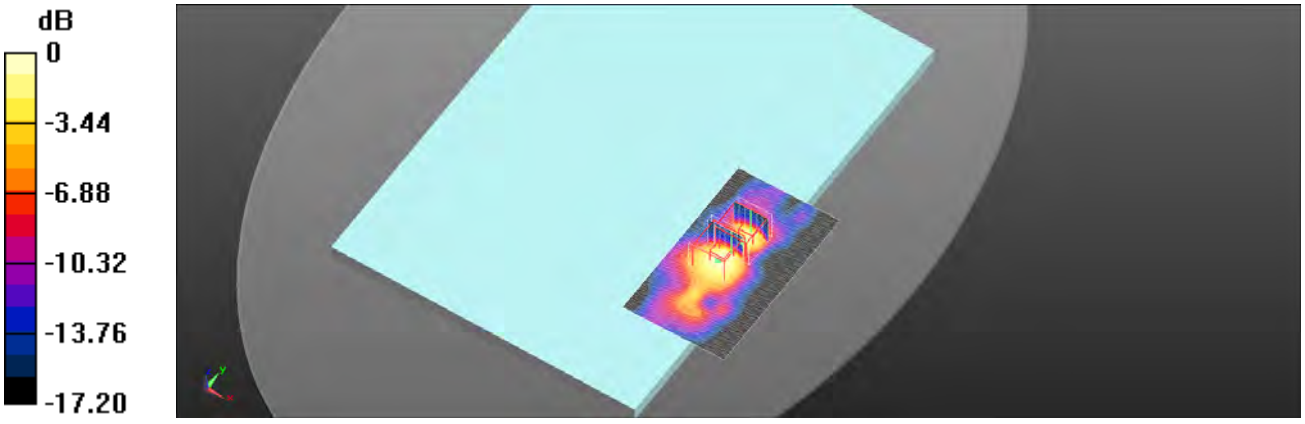
Date: 2020/12/16

Report No. : E5/2020/B0015
WLAN 802.11n(40M) 5.3G_Body_Bottom side_CH 54_0mm_Aux
Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.959
Medium parameters used: f = 5270 MHz; σ = 4.693 S/m; ε_r = 35.759; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.45, 5.45, 5.45); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.871 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.282 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.213 W/kg
Smallest distance from peaks to all points 3 dB below = 7.8 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 0.972 W/kg
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.282 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.156 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.23 dBW/kg

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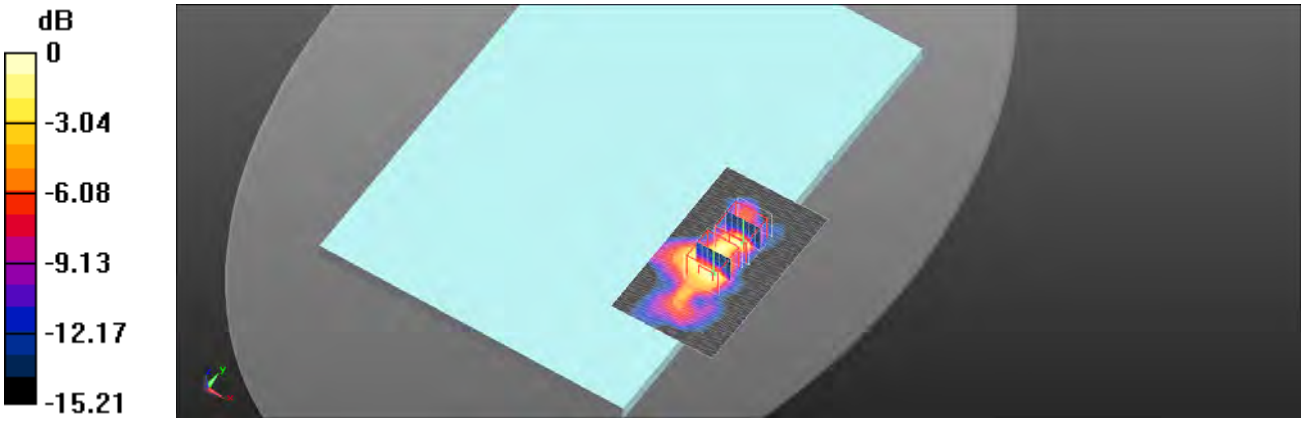
Date: 2020/12/17

Report No. : E5/2020/B0015
WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 106_0mm_Aux
Communication System: WLAN; Frequency: 5530 MHz; Duty Cycle: 1:0.922
Medium parameters used: f = 5530 MHz; σ = 4.959 S/m; ε_r = 35.484; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.578 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.237 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.127 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 61.9%
Maximum value of SAR (measured) = 0.670 W/kg
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.237 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.098 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 61.2%
Maximum value of SAR (measured) = 0.660 W/kg



0 dB = 0.660 W/kg = -1.81 dBW/kg

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Report No. : E5/2020/B0015

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

Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5775 MHz; σ = 5.209 S/m; ε_r = 35.17; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.19 W/kg

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

Reference Value = 1.120 V/m; Power Drift = 0.05 dB

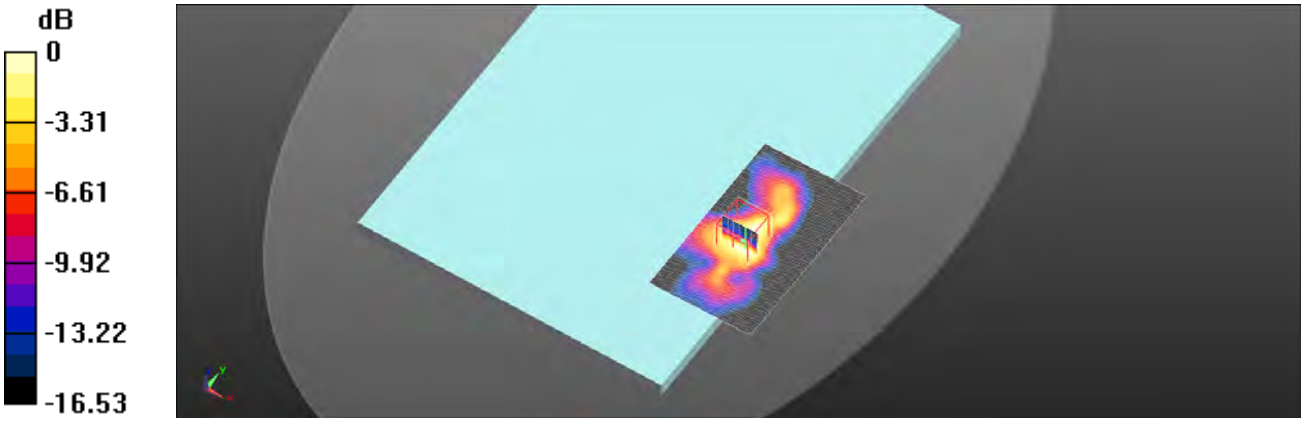
Peak SAR (extrapolated) = 2.67 W/kg

SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.274 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 63.2%

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.70 dBW/kg

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Date: 2020/12/14

Report No. : E5/2020/B0015

WLAN 802.11b_Body_Back side_CH 6_0mm_Main

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:0.990

Medium parameters used: f = 2437 MHz; σ = 1.762 S/m; ε_r = 38.847; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.85, 7.85, 7.85); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.846 W/kg

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

Reference Value = 1.283 V/m; Power Drift = -0.02 dB

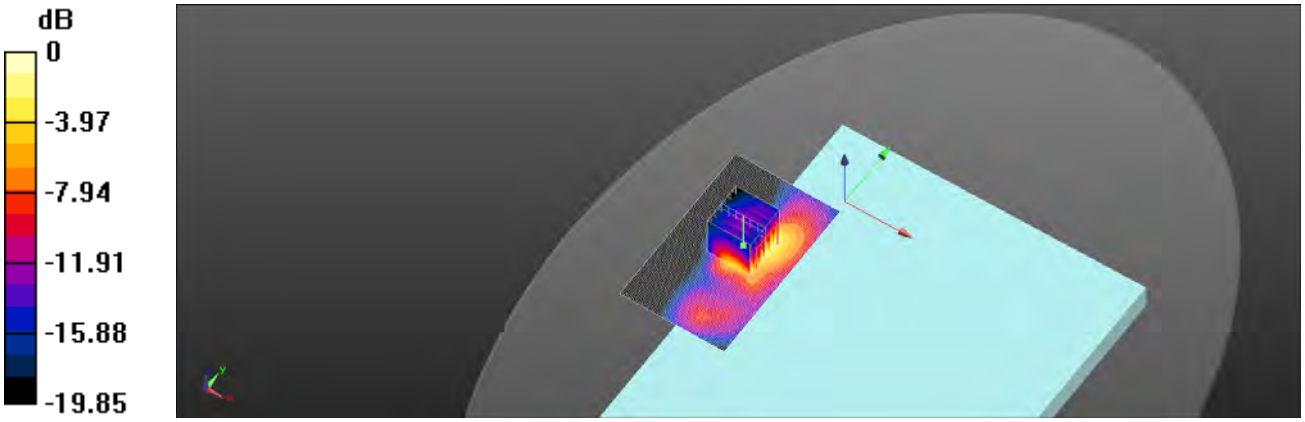
Peak SAR (extrapolated) = 0.966 W/kg

SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.206 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 0.727 W/kg



0 dB = 0.727 W/kg = -1.38 dBW/kg

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Date: 2020/12/14

Report No. : E5/2020/B0015

Bluetooth(GFSK)_Body_Back side_CH 39_0mm_Main

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:0.772

Medium parameters used: f = 2441 MHz; σ = 1.765 S/m; ε_r = 38.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.85, 7.85, 7.85); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.361 W/kg

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

Reference Value = 0.7731 V/m; Power Drift = -0.04 dB

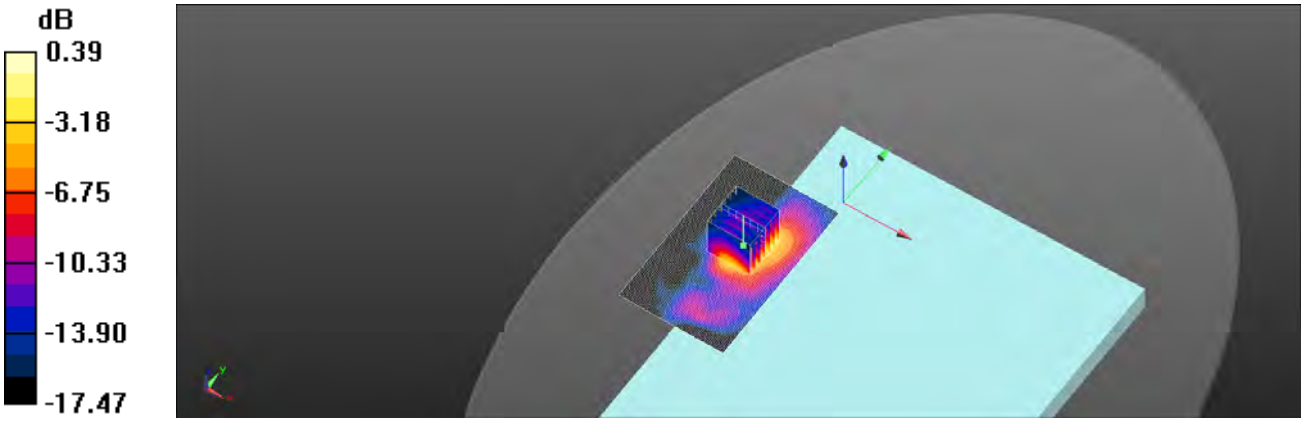
Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.096 W/kg

Smallest distance from peaks to all points 3 dB below = 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.02 dBW/kg

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Date: 2020/12/15

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.2G_Body_Back side_CH 46_0mm_Main

Communication System: WLAN; Frequency: 5230 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5230 MHz; σ = 4.652 S/m; ε_r = 35.818; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.65 W/kg

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

Reference Value = 1.125 V/m; Power Drift = 0.04 dB

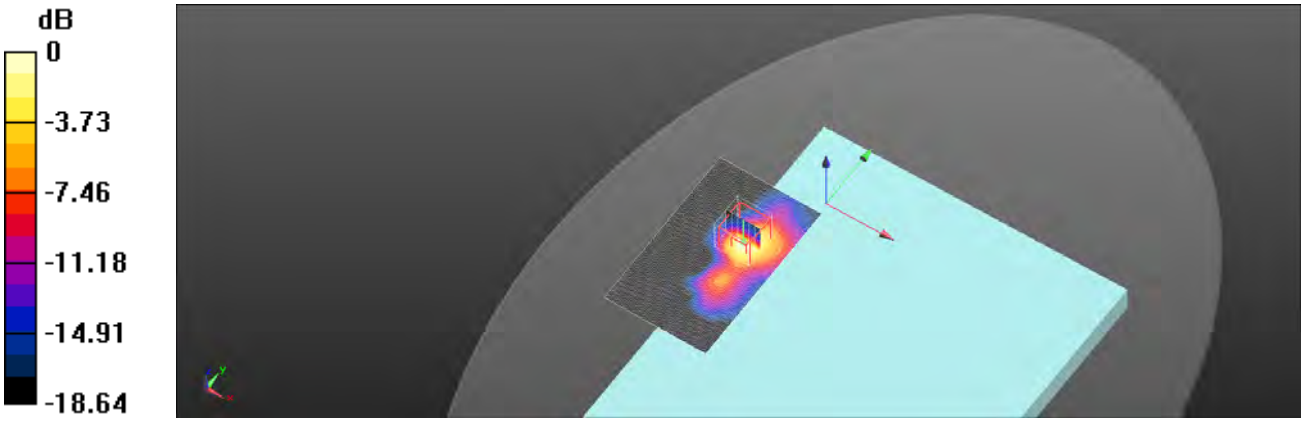
Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.286 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 62.1%

Maximum value of SAR (measured) = 1.73 W/kg



0 dB = 1.73 W/kg = 2.38 dBW/kg

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Date: 2020/12/15

Report No. : E5/2020/B0015

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

Communication System: WLAN; Frequency: 5210 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5210 MHz; σ = 4.634 S/m; ε_r = 35.845; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.74 W/kg

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

Reference Value = 1.613 V/m; Power Drift = 0.05 dB

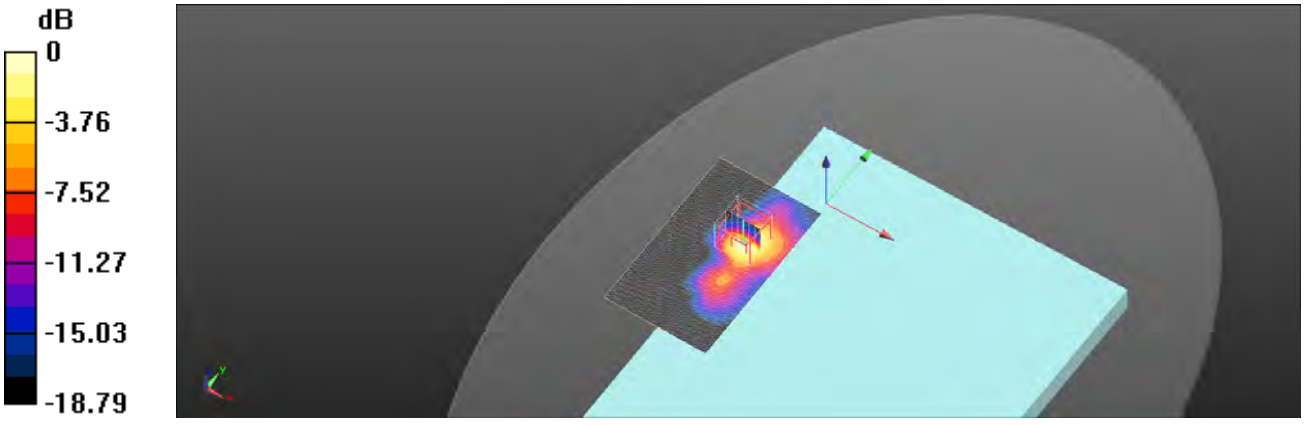
Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.295 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.77 W/kg = 2.37 dBW/kg

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Date: 2020/12/16

Report No. : E5/2020/B0015

WLAN 802.11a 5.3G_Body_Back side_CH 64_0mm_Main

Communication System: WLAN; Frequency: 5320 MHz; Duty Cycle: 1:0.981

Medium parameters used: f = 5320 MHz; σ = 4.743 S/m; ε_r = 35.712; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.45, 5.45, 5.45); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.59 W/kg

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

Reference Value = 1.484 V/m; Power Drift = 0.03 dB

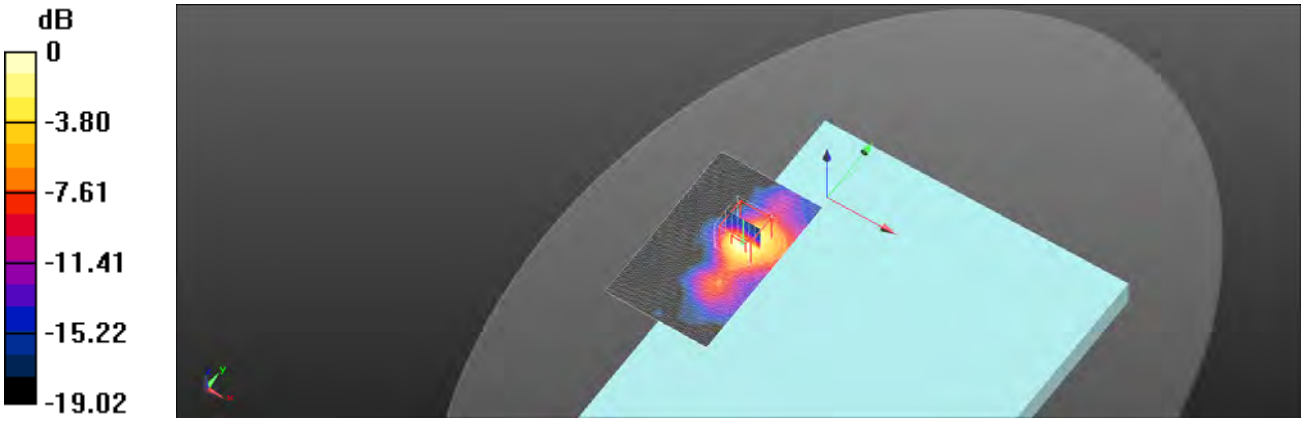
Peak SAR (extrapolated) = 3.09 W/kg

SAR(1 g) = 0.869 W/kg; SAR(10 g) = 0.295 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 60%

Maximum value of SAR (measured) = 1.68 W/kg



0 dB = 1.68 W/kg = 2.25 dBW/kg

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Date: 2020/12/16

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.3G_Body_Back side_CH 54_0mm_Main

Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5270 MHz; σ = 4.693 S/m; ε_r = 35.759; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.45, 5.45, 5.45); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.62 W/kg

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

Reference Value = 1.447 V/m; Power Drift = -0.06 dB

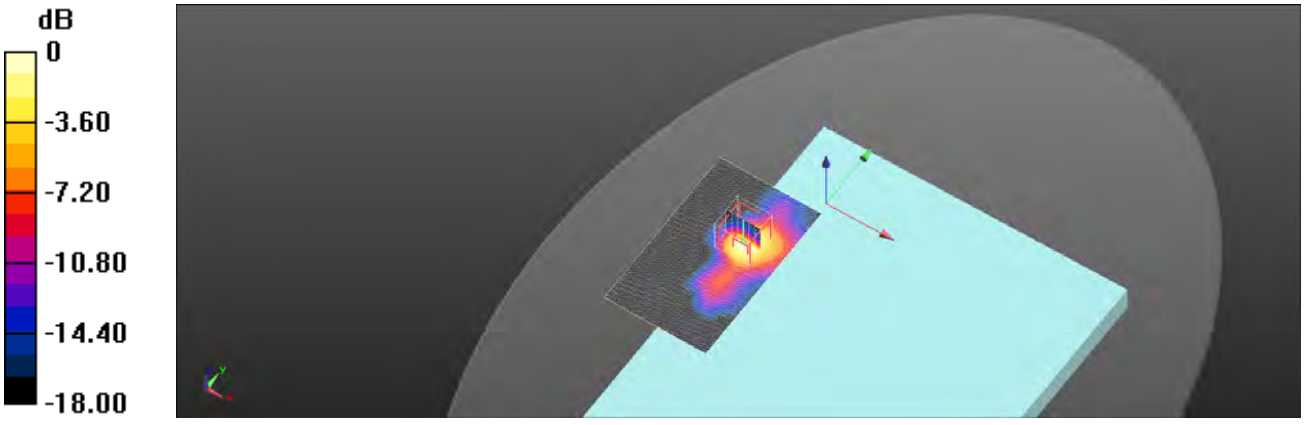
Peak SAR (extrapolated) = 2.80 W/kg

SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.259 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 62.8%

Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg = 2.08 dBW/kg

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Date: 2020/12/17

Report No. : E5/2020/B0015

WLAN 802.11ac(80M) 5.6G_Body_Back side_CH 138_0mm_Main

Communication System: WLAN; Frequency: 5690 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5690 MHz; σ = 5.122 S/m; ε_r = 35.27; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.88 W/kg

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

Reference Value = 1.366 V/m; Power Drift = 0.03 dB

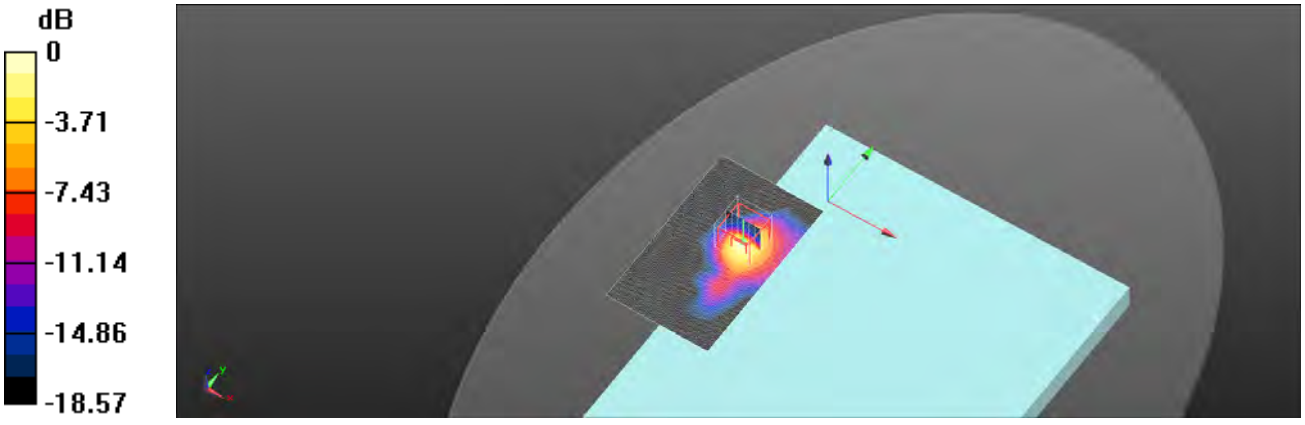
Peak SAR (extrapolated) = 3.27 W/kg

SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.320 W/kg

Smallest distance from peaks to all points 3 dB below = 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 59.7%

Maximum value of SAR (measured) = 2.06 W/kg



0 dB = 2.06 W/kg = 2.75 dBW/kg

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Date: 2020/12/18

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.8G_Body_Back side_CH 159_0mm_Main

Communication System: WLAN; Frequency: 5795 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5795 MHz; σ = 5.227 S/m; ε_r = 35.168; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.76 W/kg

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

Reference Value = 1.443 V/m; Power Drift = -0.02 dB

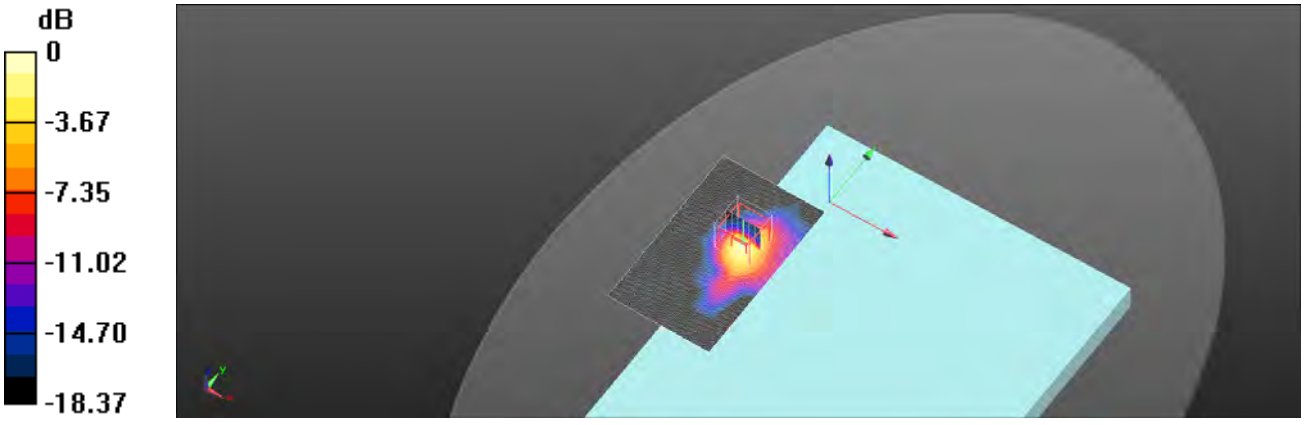
Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.301 W/kg

Smallest distance from peaks to all points 3 dB below = 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 59.1%

Maximum value of SAR (measured) = 1.94 W/kg



0 dB = 1.94 W/kg = 2.81 dBW/kg

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Date: 2020/12/1

Report No. : E5/2020/B0015

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

Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5775 MHz; σ = 5.209 S/m; ε_r = 35.17; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.78 W/kg

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

Reference Value = 1.382 V/m; Power Drift = -0.04 dB

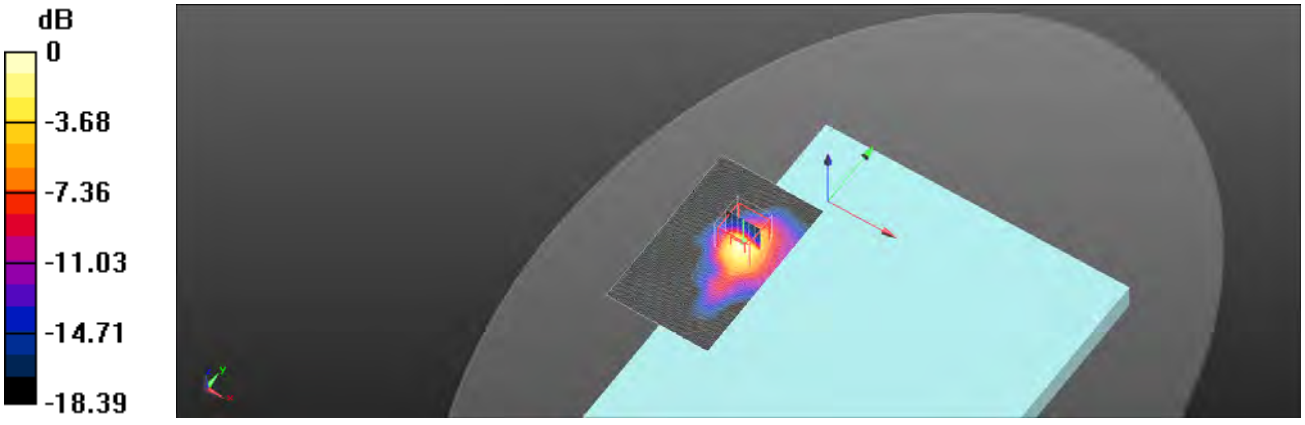
Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 0.864 W/kg; SAR(10 g) = 0.307 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 61.5%

Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.84 W/kg = 2.33 dBW/kg

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Date: 2020/12/14

Report No. : E5/2020/B0015

WLAN 802.11b_Body_Back side_CH 11_0mm_Aux

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:0.990

Medium parameters used: f = 2462 MHz; σ = 1.786 S/m; ε_r = 38.777; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.85, 7.85, 7.85); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.56 W/kg

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

Reference Value = 1.577 V/m; Power Drift = 0.01 dB

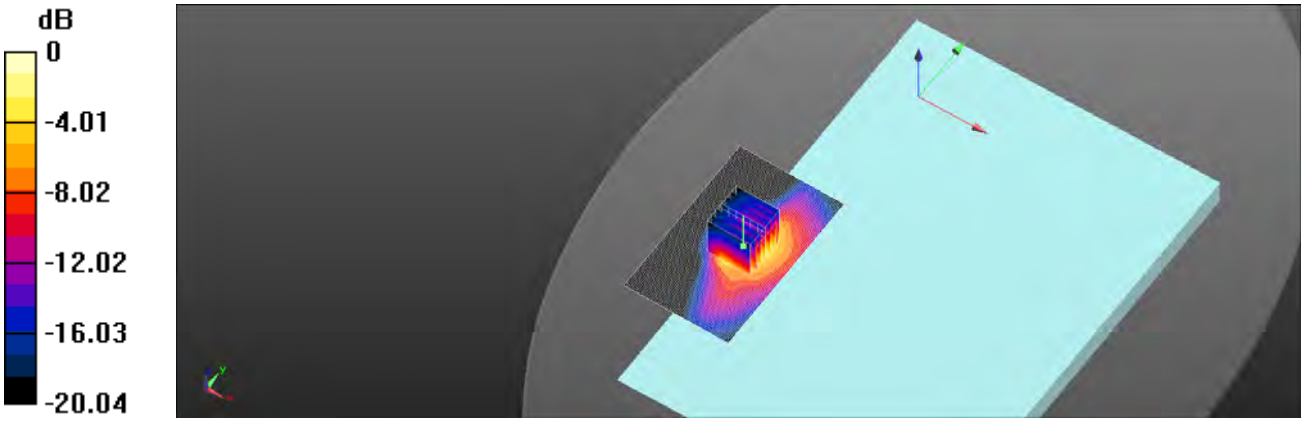
Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.408 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 64.4%

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.65 dBW/kg

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Date: 2020/12/15

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.2G_Body_Back side_CH 46_0mm_Aux

Communication System: WLAN; Frequency: 5230 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5230 MHz; σ = 4.652 S/m; ε_r = 35.818; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.35 W/kg

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

Reference Value = 1.393 V/m; Power Drift = 0.02 dB

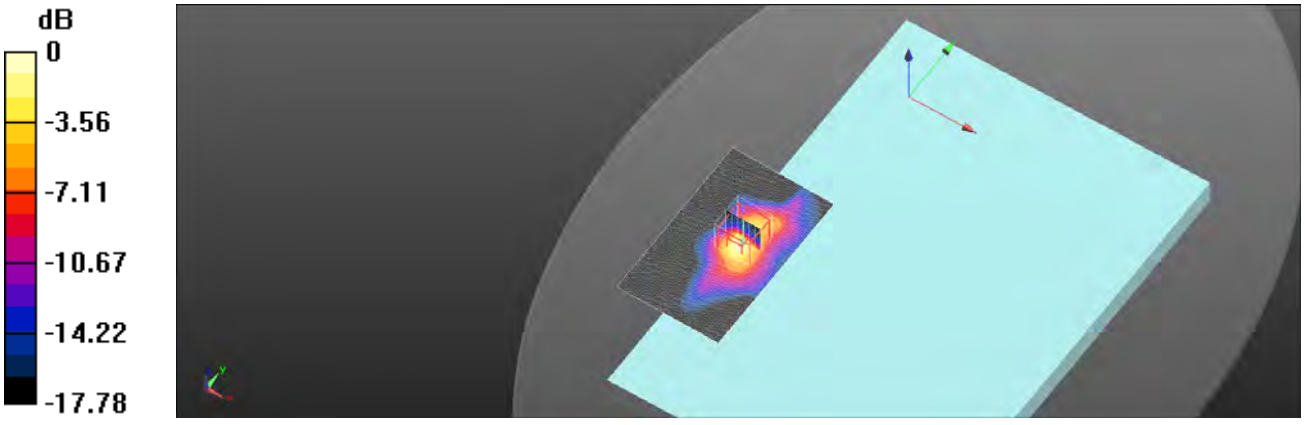
Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.231 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 62%

Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg = 1.77 dBW/kg

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Date: 2020/12/16

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.3G_Body_Back side_CH 54_0mm_Aux

Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5270 MHz; σ = 4.697 S/m; ε_r = 35.558; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.45, 5.45, 5.45); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

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

Reference Value = 1.638 V/m; Power Drift = -0.05 dB

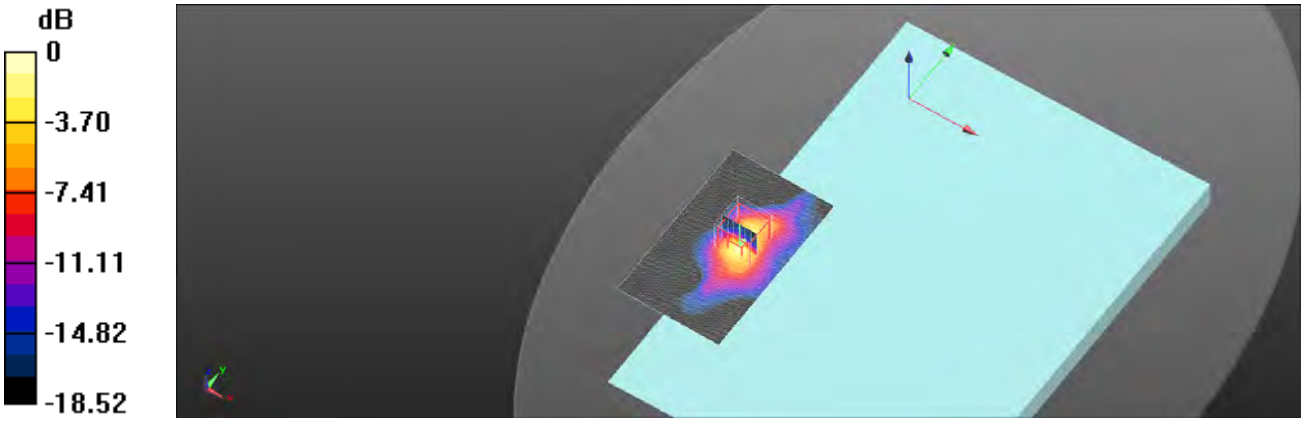
Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.232 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.8%

Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 1.75 W/kg = 2.44 dBW/kg

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Date: 2020/12/17

Report No. : E5/2020/B0015

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

Communication System: WLAN; Frequency: 5530 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5530 MHz; σ = 4.936 S/m; ε_r = 35.47; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 0.725 W/kg

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

Reference Value = 1.423 V/m; Power Drift = 0.04 dB

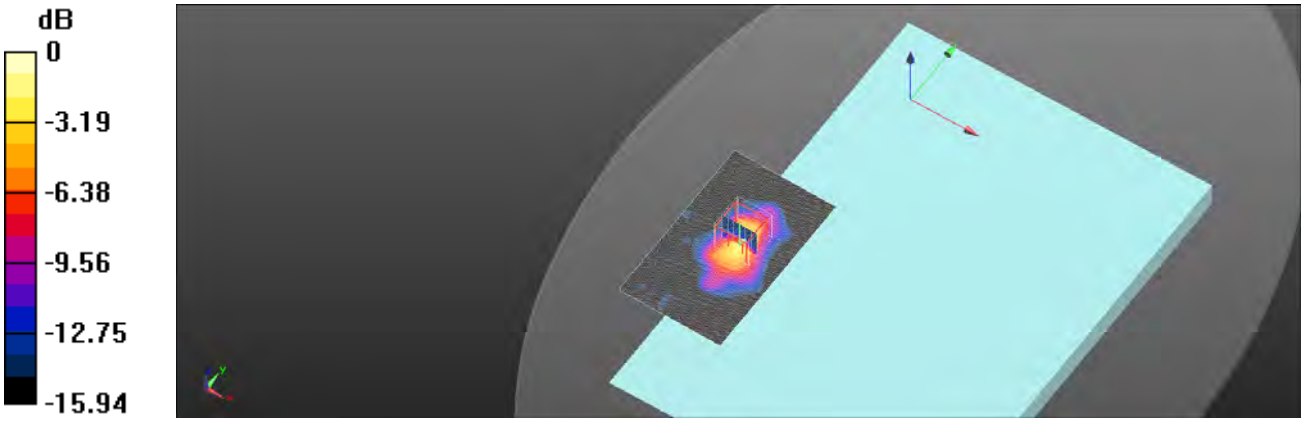
Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.121 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 60.4%

Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg = -0.48 dBW/kg

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Date: 2020/12/18

Report No. : E5/2020/B0015

WLAN 802.11n(40M) 5.8G_Body_Back side_CH 159_0mm_Aux

Communication System: WLAN; Frequency: 5795 MHz; Duty Cycle: 1:0.959

Medium parameters used: f = 5795 MHz; σ = 5.146 S/m; ε_r = 34.066; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

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

Reference Value = 1.694 V/m; Power Drift = 0.04 dB

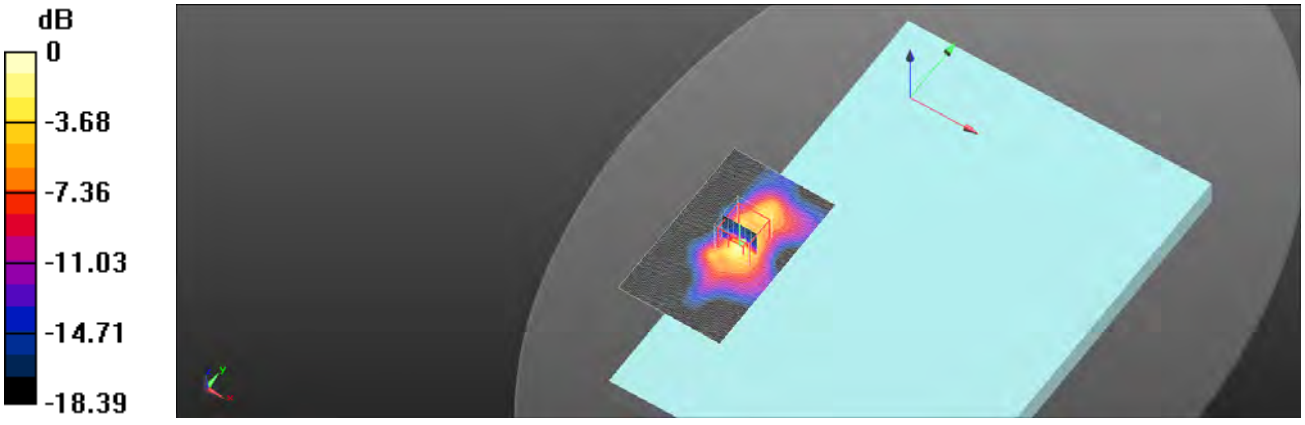
Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 0.856 W/kg; SAR(10 g) = 0.270 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 58.8%

Maximum value of SAR (measured) = 1.96 W/kg



0 dB = 1.96 W/kg = 2.92 dBW/kg

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Date: 2020/12/18

Report No. : E5/2020/B0015

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

Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:0.922

Medium parameters used: f = 5775 MHz; σ = 5.142 S/m; ε_r = 35.179; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 1.43 W/kg

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

Reference Value = 1.576 V/m; Power Drift = 0.05 dB

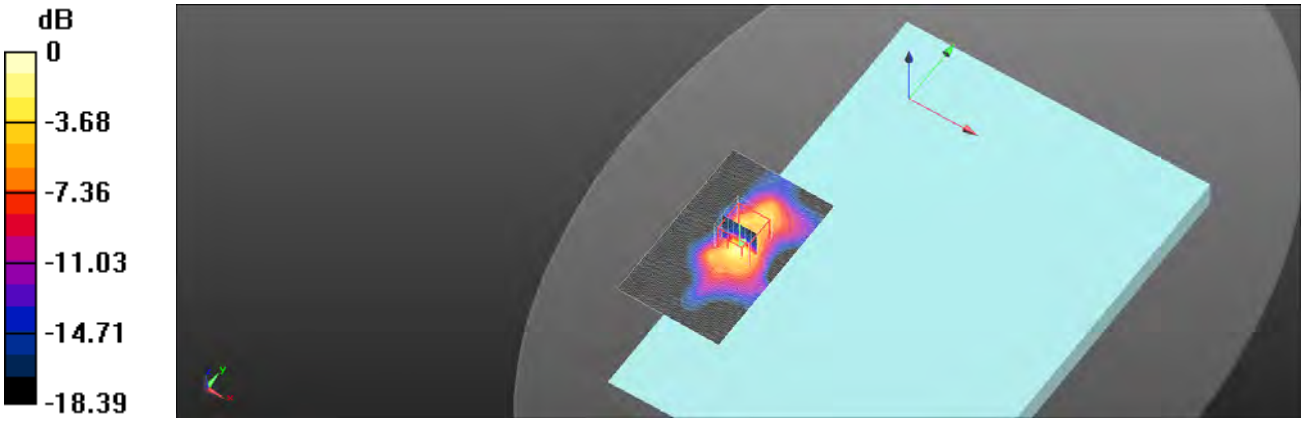
Peak SAR (extrapolated) = 3.85 W/kg

SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.254 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 58.5%

Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.73 dBW/kg

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6. SAR System Performance Verification

Date: 2020/11/13

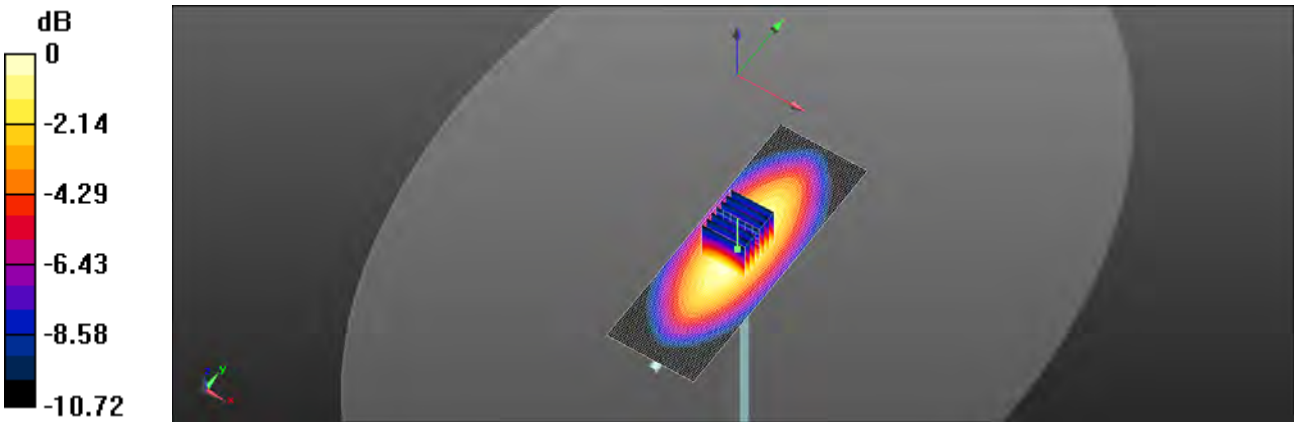
Report No. : E5/2020/B0003
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 42.252; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- 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) = 2.53 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.01 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.43 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 68.6%
Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg = 4.72 dBW/kg

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Date: 2020/11/14

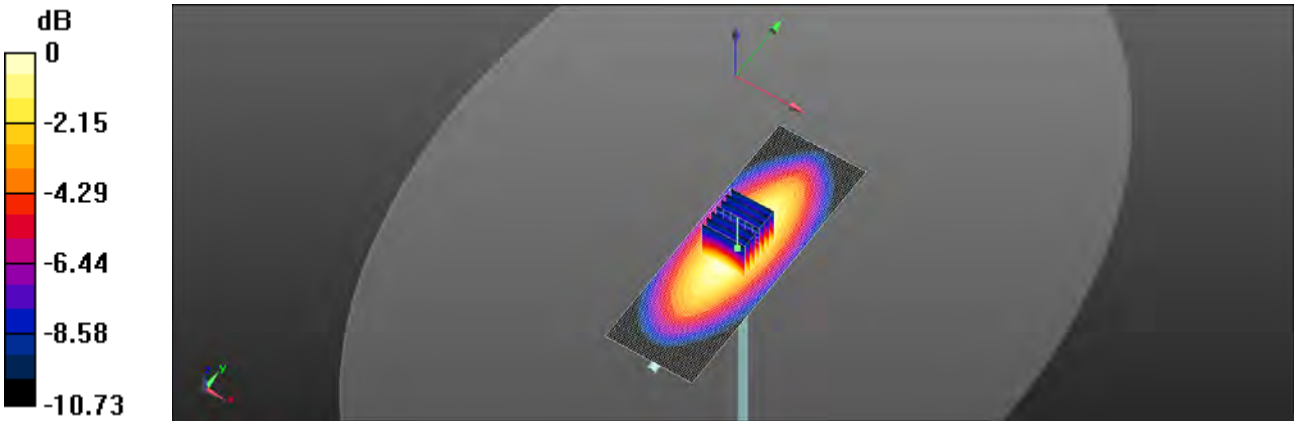
Report No. : E5/2020/B0003
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 42.248; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.64 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.75 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.38 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 67.6%
Maximum value of SAR (measured) = 2.68 W/kg



0 dB = 2.68 W/kg = 4.46 dBW/kg

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Date: 2020/11/17

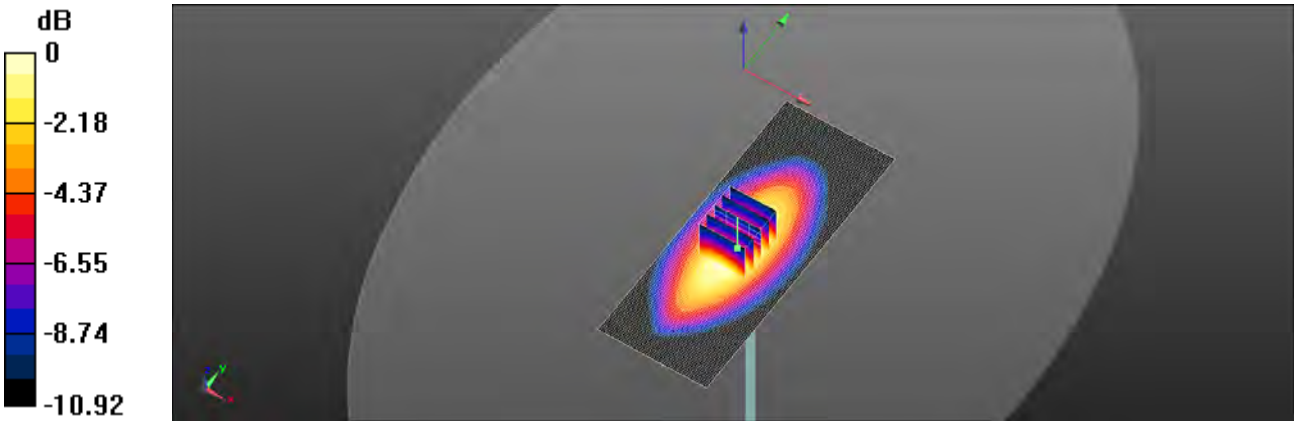
Report No. : E5/2020/B0003
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.903 S/m; ε_r = 42.261; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.67 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.82 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.25 W/kg
SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.37 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 65.2%
Maximum value of SAR (measured) = 2.72 W/kg



0 dB = 2.72 W/kg = 4.34 dBW/kg

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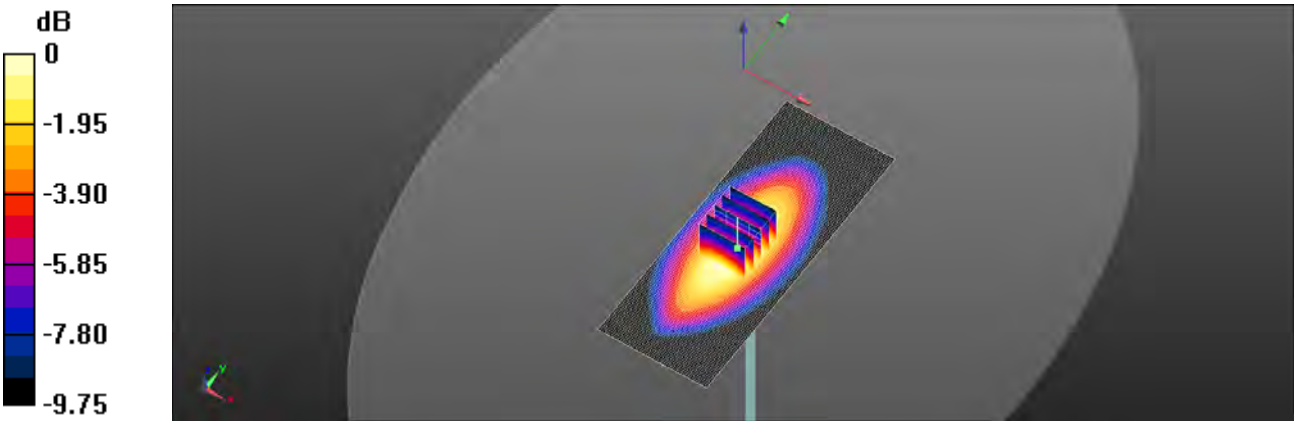
Report No. : E5/2020/B0003
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 42.197; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- 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) = 2.55 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.65 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.43 W/kg
Smallest distance from peaks to all points 3 dB below = 9.9 mm
Ratio of SAR at M2 to SAR at M1 = 68.7%
Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg = 4.79 dBW/kg

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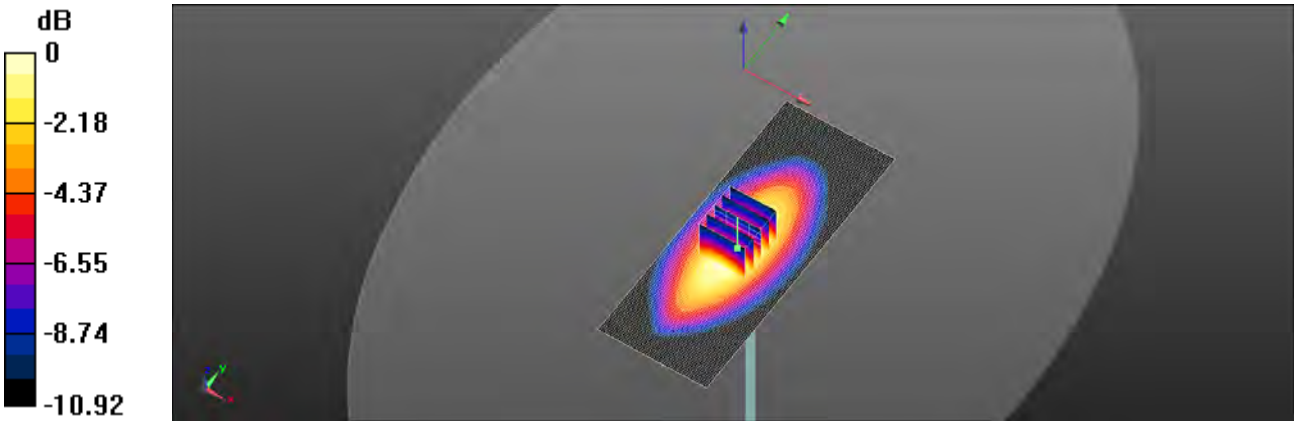
Report No. : E5/2020/B0003
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 42.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.72, 9.72, 9.72); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x131x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.67 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.82 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.25 W/kg
SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.37 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 65.2%
Maximum value of SAR (measured) = 2.72 W/kg



0 dB = 2.72 W/kg = 4.34 dBW/kg

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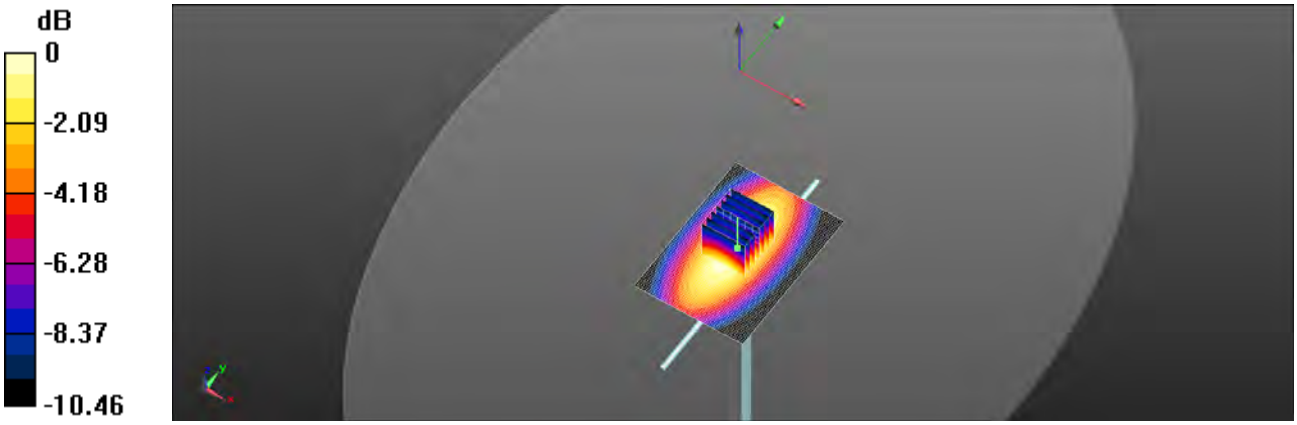
Report No. : E5/2020/B0003
Dipole 835 MHz_SN:4d063
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.907 S/m; ε_r = 41.824; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- 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) = 2.93 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 61.70 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.55 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 67.4%
Maximum value of SAR (measured) = 2.96 W/kg



0 dB = 2.96 W/kg = 4.71 dBW/kg

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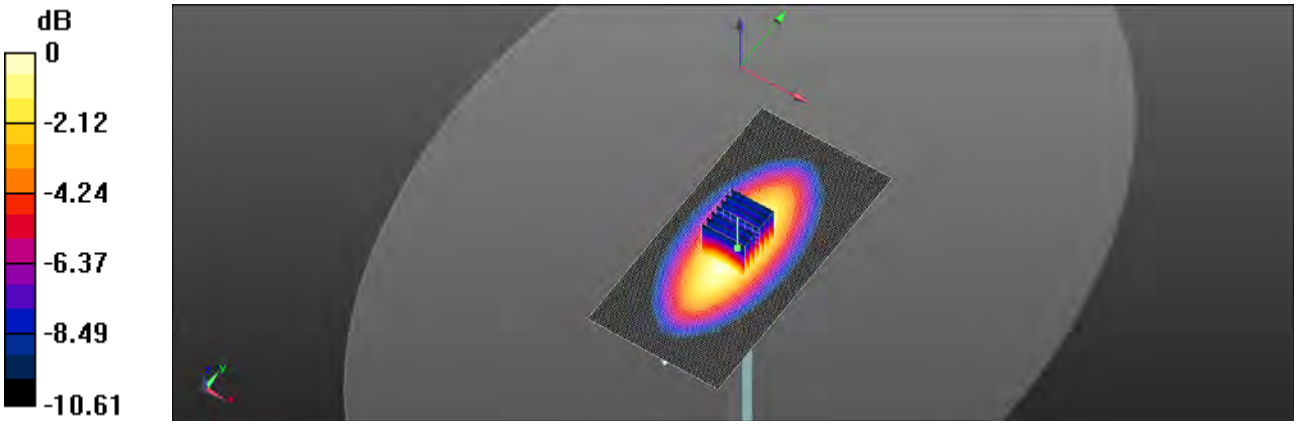
Report No. : E5/2020/B0003
Dipole 835 MHz_SN:4d063
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.909 S/m; ε_r = 41.82; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- 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) = 2.92 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.21 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.40 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.56 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 67.1%
Maximum value of SAR (measured) = 2.91 W/kg



0 dB = 2.91 W/kg = 4.95 dBW/kg

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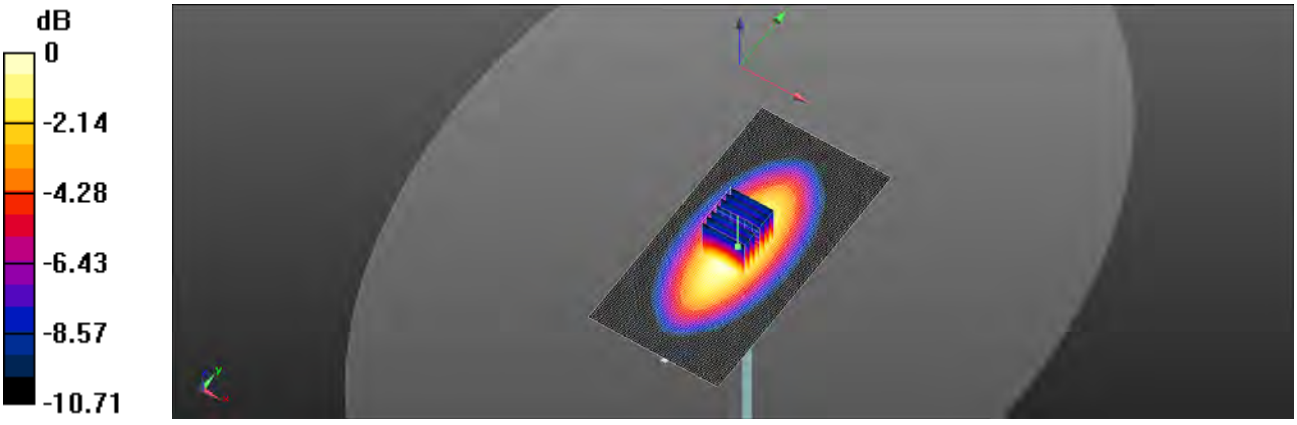
Report No. : E5/2020/B0003
Dipole 835 MHz_SN: 4d063
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.909 S/m; ε_r = 41.803; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(9.48, 9.48, 9.48); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- 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) = 3.10 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.21 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.65 W/kg
SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.61 W/kg
Smallest distance from peaks to all points 3 dB below = 9.4 mm
Ratio of SAR at M2 to SAR at M1 = 66.9%
Maximum value of SAR (measured) = 3.11 W/kg



0 dB = 3.11 W/kg = 4.92 dBW/kg

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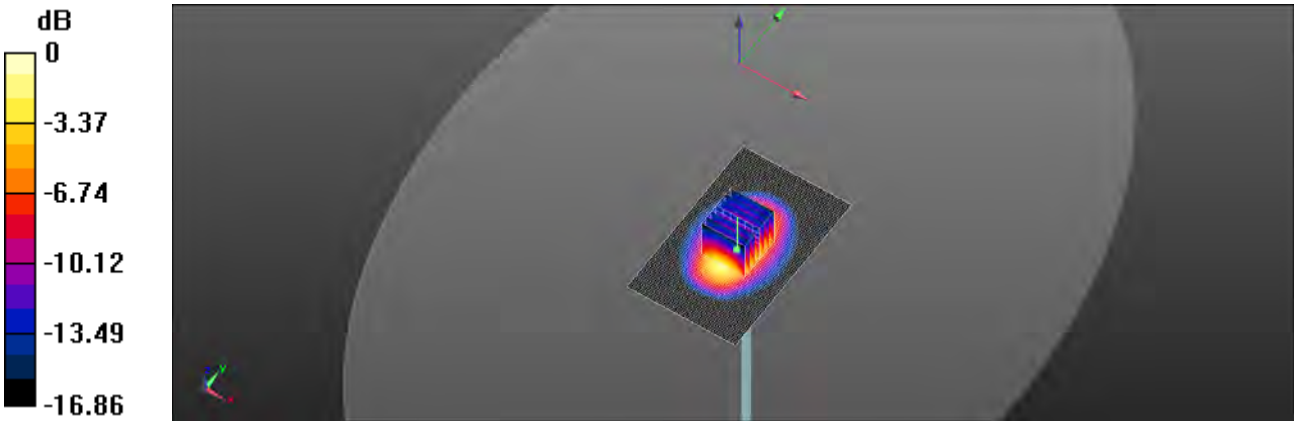
Report No. : E5/2020/B0003
Dipole 1750 MHz_SN:1008
Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.374 S/m; ε_r = 40.239; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- 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) = 12.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.3 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 8.81 W/kg; SAR(10 g) = 4.77 W/kg
Smallest distance from peaks to all points 3 dB below = 10.2 mm
Ratio of SAR at M2 to SAR at M1 = 75.9%
Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg = 10.92 dBW/kg

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Date: 2020/12/25

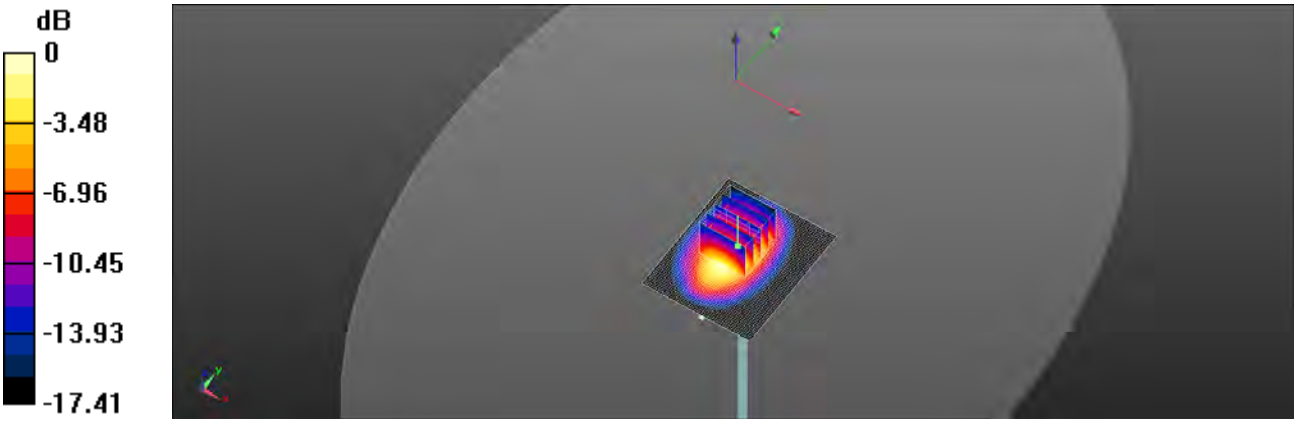
Report No. : E5/2020/B0003
Dipole 1750 MHz_SN:1008
Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.375 S/m; ε_r = 40.243; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.31, 8.31, 8.31); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x61x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 14.8 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 84.21 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 8.91 W/kg; SAR(10 g) = 4.71 W/kg
Smallest distance from peaks to all points 3 dB below = 8.7 mm
Ratio of SAR at M2 to SAR at M1 = 56.4%
Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg = 11.49 dBW/kg

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Date: 2020/11/19

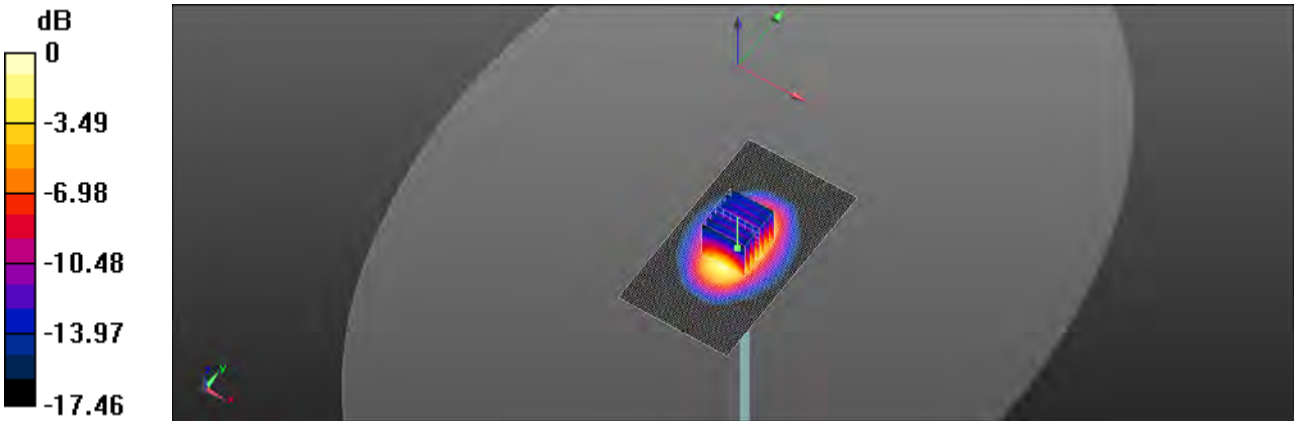
Report No. : E5/2020/B0003
Dipole 1900 MHz_SN:5d173
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.407 S/m; ε_r = 40.132; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 13.4 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.5 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.62 W/kg; SAR(10 g) = 5.09 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 74.7%
Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.44 dBW/kg

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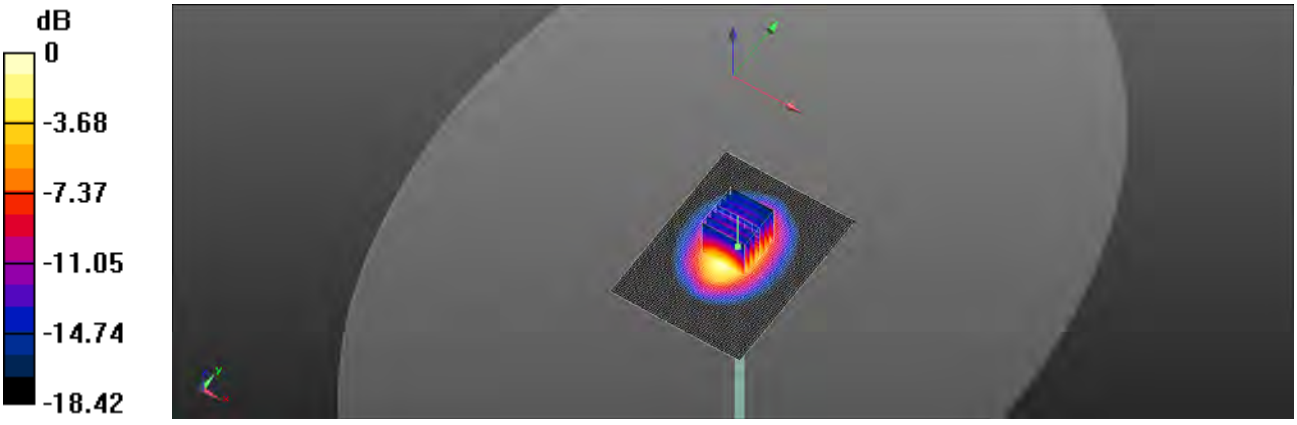
Report No. : E5/2020/B0003
Dipole 1900 MHz_SN: 5d173
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.408 S/m; ε_r = 40.168; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(8.07, 8.07, 8.07); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 14.2 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.9 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 9.68 W/kg; SAR(10 g) = 5.05 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.7%
Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.28 dBW/kg

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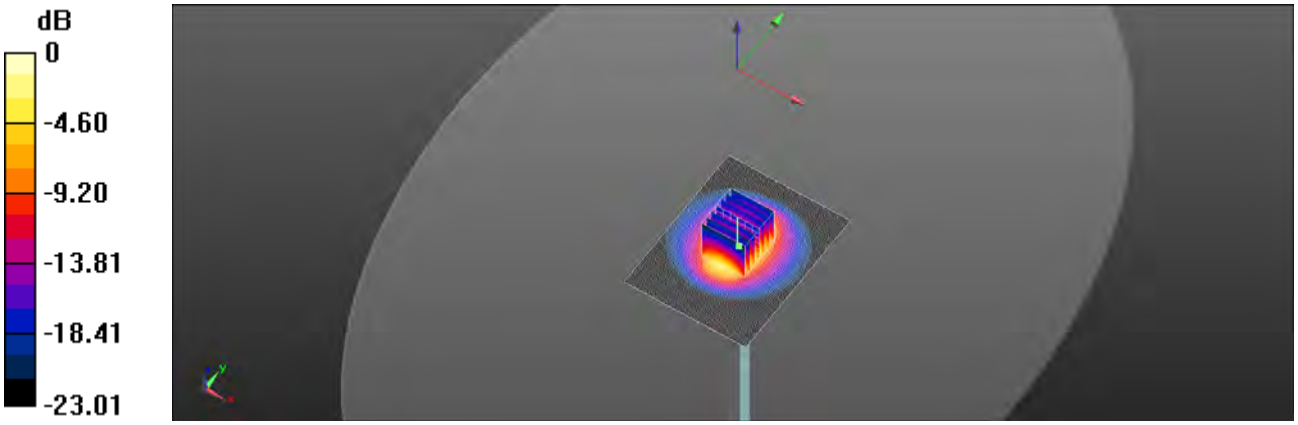
Report No. : E5/2020/B0003
Dipole 2300 MHz_SN:1023
Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2300 MHz; σ = 1.645 S/m; ε_r = 39.088; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.81, 7.81, 7.81); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x91x1): 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 = 114.8 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 24.2 W/kg
SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.85 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 68.3%
Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

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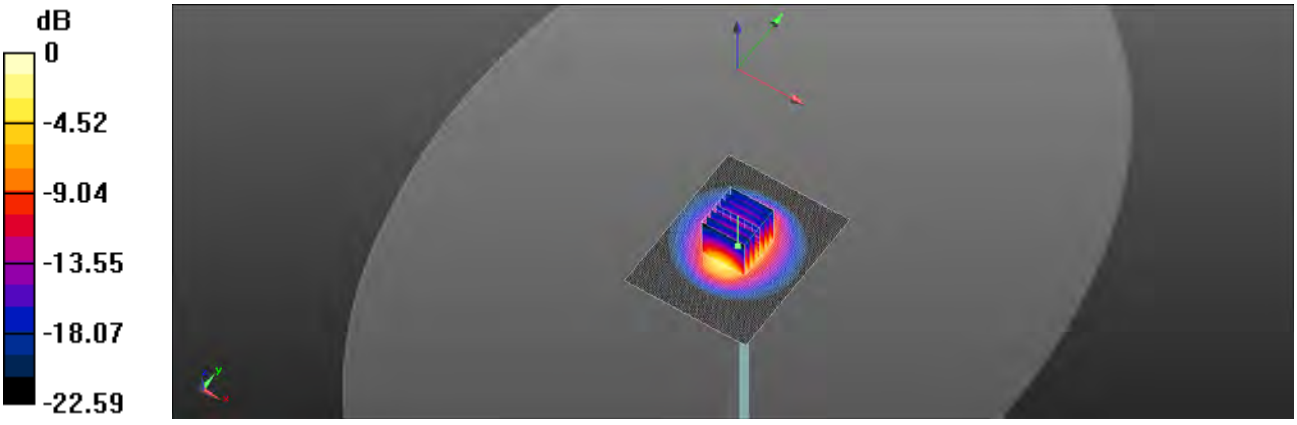
Report No. : E5/2020/B0003
Dipole 2300 MHz_SN:1023
Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2300 MHz; σ = 1.642 S/m; ε_r = 39.033; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.81, 7.81, 7.81); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x91x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 21.5 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.2 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 28.8 W/kg
SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.83 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 67.4%
Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg = 11.20 dBW/kg

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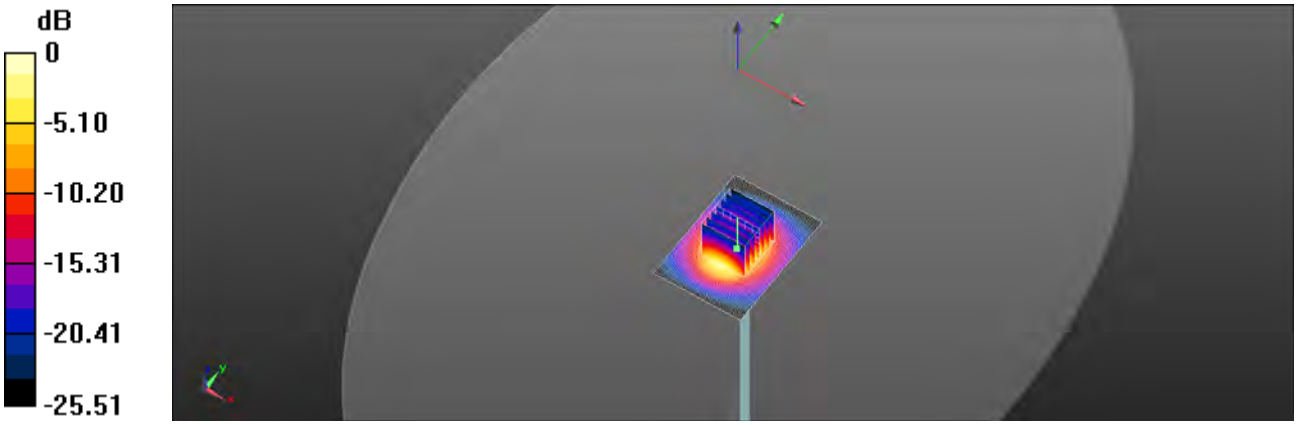
Report No. : E5/2020/B0003
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.94 S/m; ε_r = 38.611; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 27.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 114.5 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.54 W/kg
Smallest distance from peaks to all points 3 dB below = 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 69.7%
Maximum value of SAR (measured) = 24.1 W/kg



0 dB = 24.1 W/kg = 14.12 dBW/kg

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Date: 2020/11/22

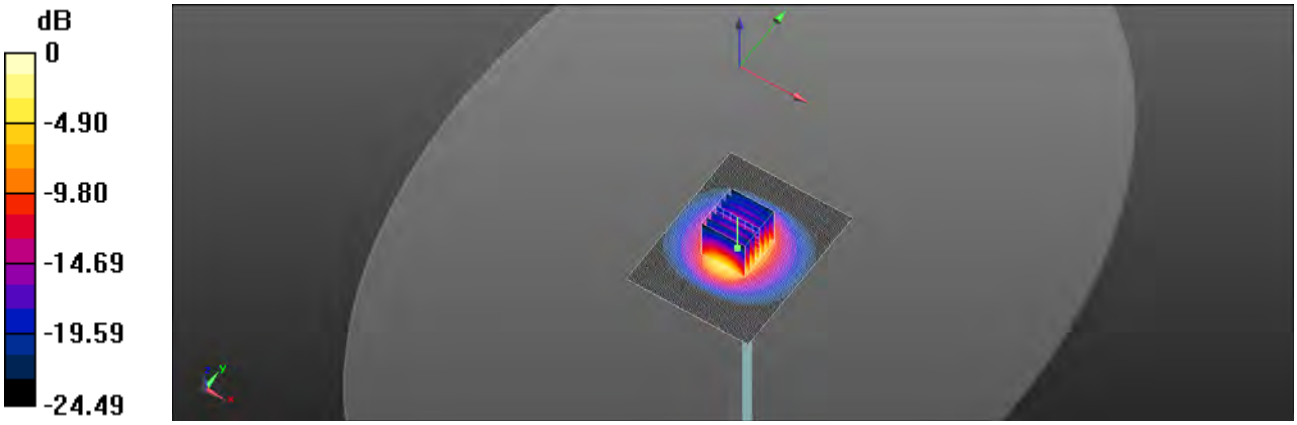
Report No. : E5/2020/B0003
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.939 S/m; ε_r = 38.639; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x91x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 22.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 104.6 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 29.9 W/kg
SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.52 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 67.6%
Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg = 13.82 dBW/kg

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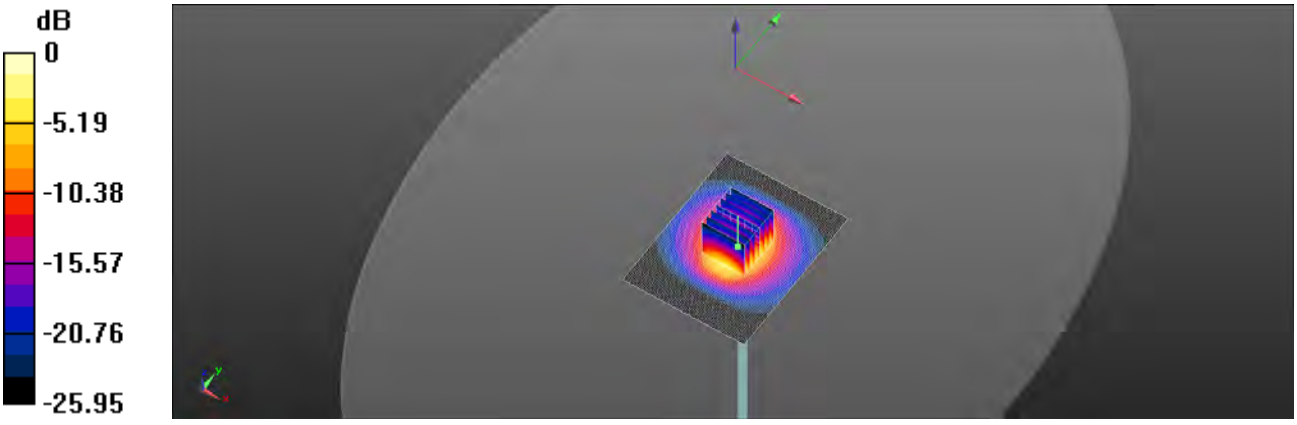
Report No. : E5/2020/B0003
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.935 S/m; ε_r = 38.588; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x91x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 23.9 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 111.2 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 28.9 W/kg
SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.32 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 72.6%
Maximum value of SAR (measured) = 22.3 W/kg



0 dB = 22.3 W/kg = 11.93 dBW/kg

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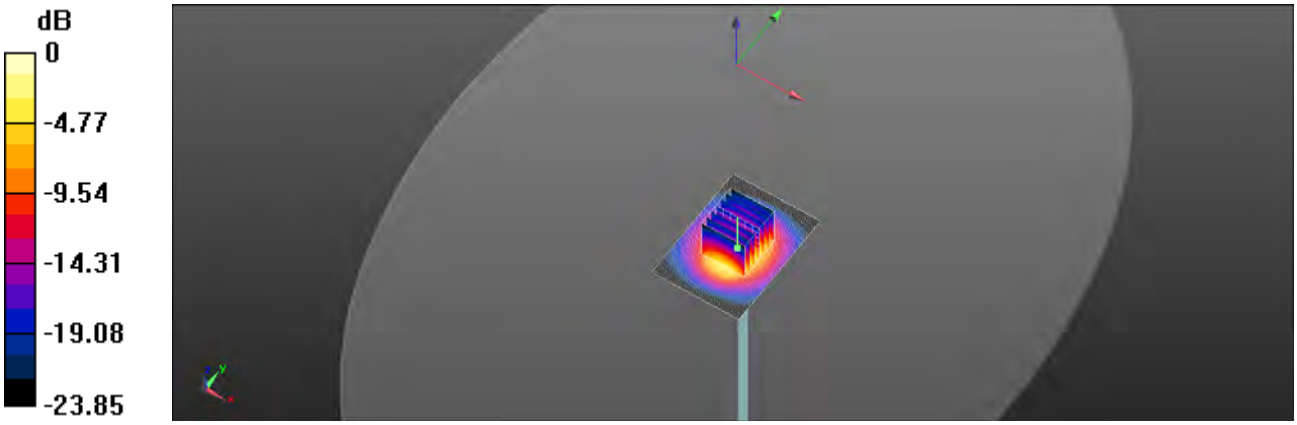
Report No. : E5/2020/B0003
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.934 S/m; ε_r = 38.564; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3938; ConvF(7.44, 7.44, 7.44); Calibrated: 2020/2/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2020/3/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 24.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 107.5 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.47 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 66.9%
Maximum value of SAR (measured) = 22.6 W/kg



0 dB = 22.6 W/kg = 13.54 dBW/kg

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Date: 2020/12/14

Report No. : E5/2020/B0015

Dipole 2450 MHz_SN:727

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

Medium parameters used: f = 2450 MHz; σ = 1.773 S/m; ε_r = 38.804; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.85, 7.85, 7.85); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 22.0 W/kg

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

Reference Value = 99.80 V/m; Power Drift = 0.02 dB

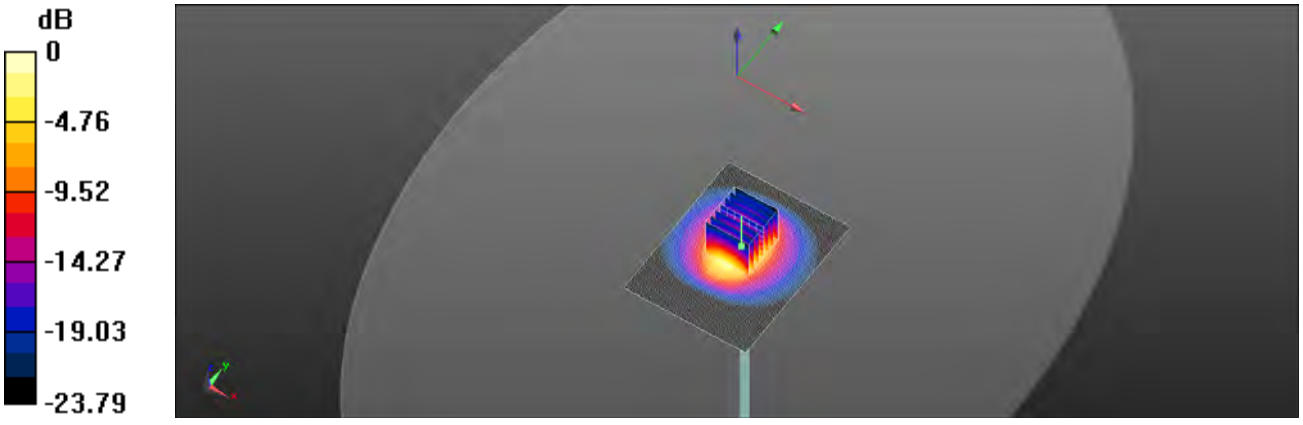
Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.11 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 65.2%

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg = 13.44 dBW/kg

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Date: 2020/12/15

Report No. : E5/2020/B0015
Dipole 5200 MHz_SN :1023

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.621 S/m; ε_r = 35.847; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.6, 5.6, 5.6); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): 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 = 64.03 V/m; Power Drift = 0.02 dB

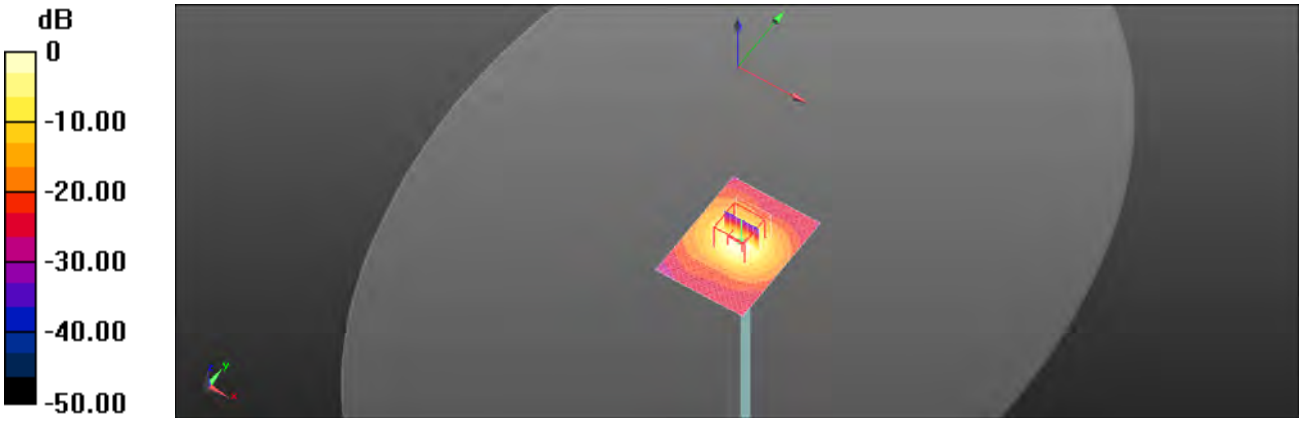
Peak SAR (extrapolated) = 35.8 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.32 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.9%

Maximum value of SAR (measured) = 16.6 W/kg



0 dB = 16.6 W/kg = 12.13 dBW/kg

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Date: 2020/12/16

Report No. : E5/2020/B0015
Dipole 5300 MHz_SN:1023

Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5300 MHz; σ = 4.722 S/m; ε_r = 35.742; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.45, 5.45, 5.45); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): 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 = 58.41 V/m; Power Drift = 0.05 dB

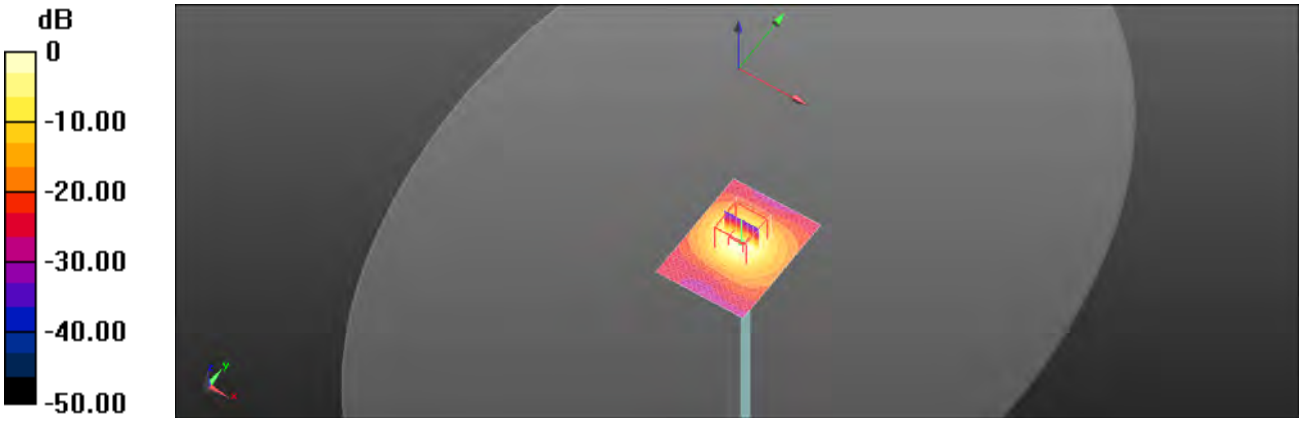
Peak SAR (extrapolated) = 37.3 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.31 W/kg

Smallest distance from peaks to all points 3 dB below = 7.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.4%

Maximum value of SAR (measured) = 17.4 W/kg



0 dB = 17.4 W/kg = 12.52 dBW/kg

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Date: 2020/12/17

Report No. : E5/2020/B0015
Dipole 5600 MHz_SN:1023

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5600 MHz; σ = 5.031 S/m; ε_r = 35.369; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 18.6 W/kg

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

Reference Value = 60.05 V/m; Power Drift = 0.01 dB

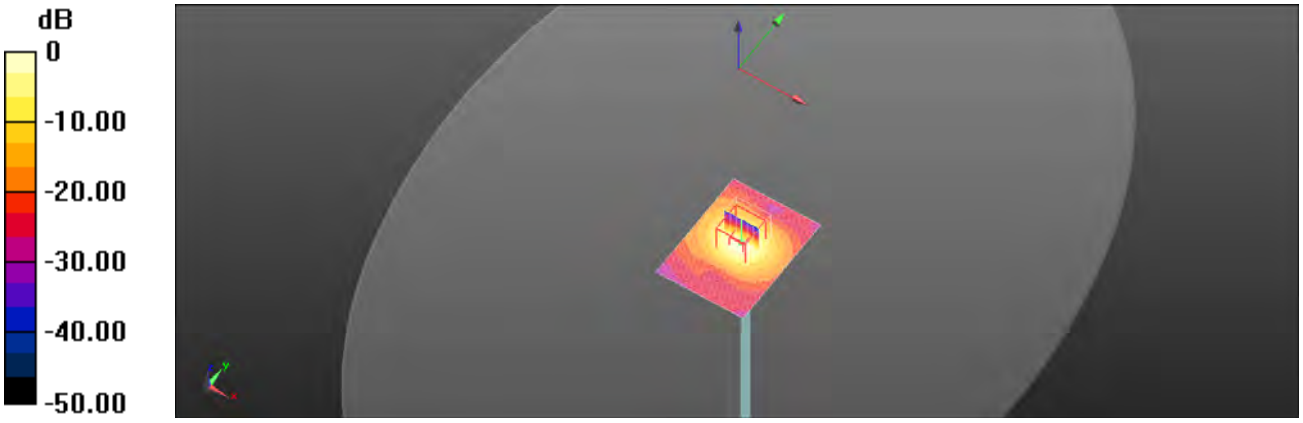
Peak SAR (extrapolated) = 38.6 W/kg

SAR(1 g) = 8.5 W/kg; SAR(10 g) = 2.42 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 58.2%

Maximum value of SAR (measured) = 17.0 W/kg



0 dB = 17.0 W/kg = 12.01 dBW/kg

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Date: 2020/12/18

Report No. : E5/2020/B0015
Dipole 5800 MHz_SN:1023

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: f = 5800 MHz; σ = 5.236 S/m; ε_r = 35.162; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(5.04, 5.04, 5.04); Calibrated: 2020/2/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1336; Calibrated: 2020/8/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): 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 = 55.78 V/m; Power Drift = -0.04 dB

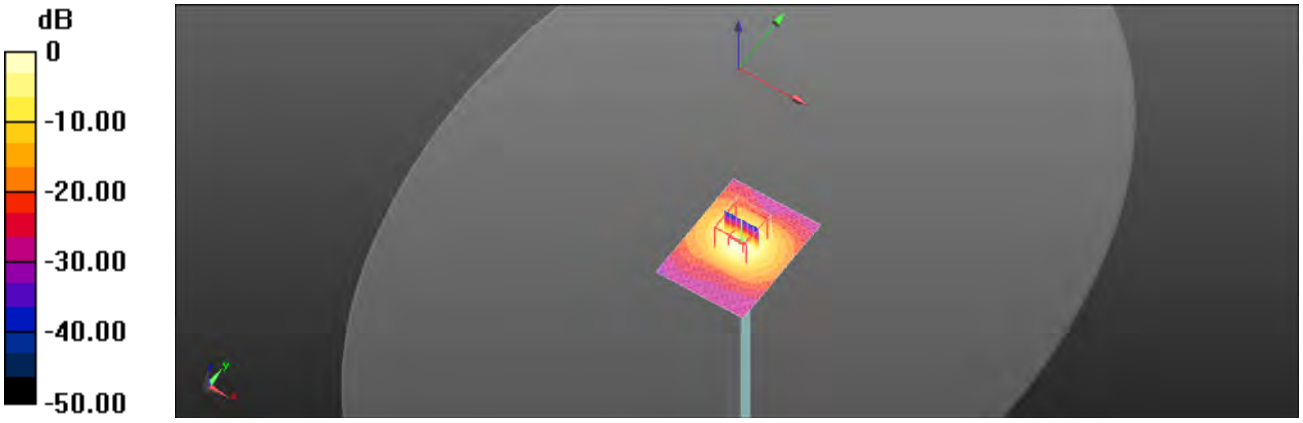
Peak SAR (extrapolated) = 44.1 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.32 W/kg

Smallest distance from peaks to all points 3 dB below = 7.7 mm

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

Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 18.3 W/kg = 12.23 dBW/kg

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7. Uncertainty Budget

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ 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.)	0.52%	N	1	1	0.64	0.43	0.33%	0.22%	M
Liquid Conductivity (mea.)	0.75%	N	1	1	0.6	0.49	0.45%	0.37%	M
Combined standard uncertainty		RSS					11.73%	11.71%	
Expant uncertainty (95% confidence interval), K=2							23.46%	23.43%	

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Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability 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.)	1.16%	N	1	1	0.64	0.43	0.74%	0.50%	M
Liquid Conductivity (mea.)	1.54%	N	1	1	0.6	0.49	0.92%	0.75%	M
Combined standard uncertainty		RSS					11.48%	11.44%	
Expant uncertainty (95% confidence interval), K=2							22.96%	22.89%	

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Appendixes

Refer to separated files for the following appendixes.

E52020B0003 SAR_Appendix A Photographs

E52020B0003 SAR_Appendix B DAE & Probe Cal. Certificate

E52020B0003 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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