SAR TEST REPORT

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

Equipment Under Test	Portable Computing Device
Brand Name	Microsoft
Model No.	1982
Company Name	Microsoft Corporation
Company Address	One Microsoft Way Redmond, WA 98052-6399, U.S.A
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	C3K1982
Contains FCC ID	C3K2021
Date of Receipt	May. 20, 2021
Date of Test(s)	Jul. 11, 2021 ~ Jul. 26, 2021
Date of Issue	Nov. 19, 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: Nov. 19, 2021

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
E5/2021/50015	Rev.00	Initial creation of document	Nov. 05, 2021	Ruby Ou	*
E5/2021/50015	Rev.01	Modify description	Nov. 17, 2021	Ruby Ou	*
E5/2021/50015	Rev.02	Modify description	Nov. 19, 2021	Ruby Ou	

Note:

1. The mark " * " is the revised version of the report due to comments submitted by the certification.

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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	Microsoft Corporation
Company Address	One Microsoft Way Redmond, WA 98052-6399, U.S.A

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1.3 Description of EUT

Equipment Under Test	Portable Computing Device	
Brand Name	Microsoft	
Model No.	1982	
FCC ID	C3K1982	
Contains FCC ID	C3K2021	
Mode of Operation	☒WCDMA ☒HSDPA ☒HSUPA ☒HSPA+ ☒DC-HSDPA ☒LTE FDD ☒LTE TDD ☒WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M/160M) ☒Bluetooth	
Duty Cycle	WCDMA	100%
	LTE FDD	100%
	LTE TDD	63.3%
	WLAN802.11 a/b/g/n/ac/ax(20M/40M/80/160M)	Refer to page 103-108
	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 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	2496	–	2690
	LTE FDD Band 66	1710	–	1780
	WLAN802.11 b/g/n/ax(20M)	2412	–	2472
	WLAN802.11 n/ax(40M)	2422	–	2462
	WLAN802.11 a/n/ac/ax(20M) 5.2G	5180	–	5240
	WLAN802.11 n/ac/ax(40M) 5.2G	5190	–	5230
	WLAN802.11 ac/ax(80M) 5.2G	5210		
	WLAN802.11 ac/ax(160M) 5.2G	5250		
	WLAN802.11 a/n/ac/ax(20M) 5.3G	5260	–	5320
	WLAN802.11 n/ac/ax(40M) 5.3G	5270	–	5310
	WLAN802.11 ac/ax(80M) 5.3G	5290		
	WLAN802.11 a/n/ac/ax(20M) 5.6G	5500	–	5720
	WLAN802.11 n/ac/ax(40M) 5.6G	5510	–	5710
	WLAN802.11 ac/ax(80M) 5.6G	5530	–	5690
	WLAN802.11 ac/ax(160M) 5.6G	5570		
	WLAN802.11 a/n/ac/ax(20M) 5.8G	5745	–	5825
	WLAN802.11 n/ac/ax(40M) 5.8G	5755	–	5795
	WLAN802.11 ac/ax(80M) 5.8G	5775		
	Bluetooth	2402	–	2480
Channel Number (ARFCN)	WCDMA Band II	9262	–	9538
	WCDMA Band 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 25	26047	–	26683

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

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Notebook mode (sensor off)

Max. SAR (1 g) (Unit: W/Kg)				
Band	Measured	Reported	Channel	Position
WCDMA Band II	0.03	0.03	9400	Bottom side
WCDMA Band V	0.02	0.02	4183	Bottom side
LTE FDD Band 2	0.03	0.03	19100	Bottom side
LTE FDD Band 4	0.01	0.01	20175	Bottom side
LTE FDD Band 5	0.02	0.02	20525	Bottom side
LTE FDD Band 7	0.01	0.01	21350	Bottom side
LTE FDD Band 12	0.00	0.00	23060	Bottom side
LTE FDD Band 13	0.00	0.01	23230	Bottom side
LTE FDD Band 14	0.01	0.01	23330	Bottom side
LTE FDD Band 25	0.03	0.03	26590	Bottom side
LTE FDD Band 26	0.02	0.02	26965	Bottom side
LTE FDD Band 30	0.00	0.00	27710	Bottom side
LTE TDD Band 38	0.05	0.05	38000	Bottom side
LTE TDD Band 41	0.04	0.04	39750	Bottom side
LTE FDD Band 66	0.01	0.01	132322	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	0.49	0.49	9400	Right side
WCDMA Band V	0.33	0.34	4183	Back side
LTE FDD Band 2	0.63	0.63	18900	Right side
LTE FDD Band 4	0.79	0.84	20175	Back side
LTE FDD Band 5	0.26	0.27	20525	Back side
LTE FDD Band 7	0.70	0.70	21350	Right side
LTE FDD Band 12	0.37	0.37	23130	Back side
LTE FDD Band 13	0.20	0.25	23230	Back side
LTE FDD Band 14	0.17	0.18	23330	Back side
LTE FDD Band 25	0.58	0.60	26365	Right side
LTE FDD Band 26	0.24	0.25	26965	Back side
LTE FDD Band 30	0.49	0.50	27710	Right side
LTE TDD Band 38	0.28	0.30	38150	Right side
LTE TDD Band 41	0.48	0.50	40185	Right side
LTE FDD Band 66	0.68	0.69	132322	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	0.64	0.67	9400	Back side
WCDMA Band V	0.71	0.73	4183	Back side
LTE FDD Band 2	0.57	0.58	19100	Back side
LTE FDD Band 4	0.93	0.95	20175	Back side
LTE FDD Band 5	0.71	0.71	20525	Back side
LTE FDD Band 7	0.87	0.88	21350	Back side
LTE FDD Band 12	0.89	0.89	23130	Back side
LTE FDD Band 13	0.83	0.83	23230	Back side
LTE FDD Band 14	0.80	0.80	23330	Back side
LTE FDD Band 25	0.58	0.58	26590	Back side
LTE FDD Band 26	0.76	0.77	26765	Back side
LTE FDD Band 30	0.72	0.73	27710	Top Curve side
LTE TDD Band 38	0.81	0.84	38150	Back side
LTE TDD Band 41	0.75	0.76	39750	Back side
LTE FDD Band 66	0.72	0.72	132572	Back side

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Notebook mode

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Main	WLAN 802.11b	0.00	0.00	10	Bottom side
	WLAN 802.11a 5.2G	0.02	0.02	44	Bottom side
	WLAN 802.11n(40M) 5.3G	0.01	0.01	54	Bottom side
	WLAN 802.11ac(80M) 5.6G	0.00	0.00	138	Bottom side
	WLAN 802.11a 5.8G	0.00	0.00	157	Bottom side
Aux/BT	WLAN 802.11b	0.00	0.00	10	Bottom side
	Bluetooth(GFSK)	0.00	0.00	78	Bottom side
	WLAN 802.11a 5.2G	0.02	0.02	44	Bottom side
	WLAN 802.11n(40M) 5.3G	0.01	0.01	54	Bottom side
	WLAN 802.11ac(80M) 5.6G	0.02	0.02	138	Bottom side
	WLAN 802.11a 5.8G	0.02	0.02	157	Bottom side

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Tablet mode

Max. SAR (1g) (Unit: W/Kg)					
Antenna	Band	Measured	Reported	Channel	Position
Main	WLAN 802.11b	0.82	0.89	1	Back side
	WLAN 802.11ac(80M) 5.2G	1.12	1.14	42	Top Curve side
	WLAN 802.11ac(160M) 5.2G	1.12	1.15	50	Top side
	WLAN 802.11n(40M) 5.3G	1.08	1.13	54	Top side
	WLAN 802.11ac(80M) 5.3G	1.11	1.14	58	Top side
	WLAN 802.11ac(80M) 5.6G	1.12	1.14	138	Top side
	WLAN 802.11ac(160M) 5.6G	1.01	1.06	114	Top side
	WLAN 802.11n(40M) 5.8G	1.11	1.13	159	Top side
	WLAN 802.11ac(80M) 5.8G	1.10	1.12	155	Top side
Aux/BT	WLAN 802.11b	0.64	0.64	1	Back side
	Bluetooth(GFSK)	0.23	0.31	78	Back side
	WLAN 802.11ac(80M) 5.2G	0.90	0.91	42	Top Curve side
	WLAN 802.11ac(160M) 5.2G	0.83	0.87	50	Top Curve side
	WLAN 802.11n(40M) 5.3G	1.11	1.14	54	Top Curve side
	WLAN 802.11ac(80M) 5.3G	1.12	1.14	58	Top Curve side
	WLAN 802.11ac(80M) 5.6G	1.11	1.13	138	Top side
	WLAN 802.11ac(160M) 5.6G	1.07	1.09	114	Top side
	WLAN 802.11n(40M) 5.8G	1.12	1.14	151	Top side
	WLAN 802.11ac(80M) 5.8G	0.90	0.93	155	Top side

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Antenna Information

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NB										
Vendor	AWAN									
Antenna	Main (PIFA)					Aux (PIFA)				
Part Number	1415-08HK0QS									
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	2.39	3.13	3.12	3.64	3.94	2.39	3.23	3.16	3.41	3.41

TB										
Vendor	AWAN									
Antenna	Main (PIFA)					Aux (PIFA)				
Part Number	1415-08HK0QS									
Frequency	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850
Gain (dBi)	2.39	3.13	3.12	3.64	3.94	2.39	3.23	3.16	3.41	3.41

Gain table(dBi)		
Mode	Notebook mode	Tablet mode
WCDMA BII	2.30	2.30
WCDMA BV	-1.00	-1.00
LTE Band 2	2.30	2.30
LTE Band 4	1.40	1.40
LTE Band 5	-1.00	-1.00
LTE Band 7	2.70	2.70
LTE Band 12	0.10	0.10
LTE Band 13	-0.60	-0.60
LTE Band 14	-0.60	-0.60
LTE Band 25	2.30	2.30
LTE Band 26	-1.00	-1.00
LTE Band 30	2.30	2.30
LTE Band 38	2.60	2.60
LTE Band 41	2.70	2.70
LTE Band 66	1.40	1.40

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1.3.1 Sensor off-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)			**24.00**	
3GPP Rel 99	RMC 12.2Kbps	23.98	23.95	23.94
3GPP Rel 5	HSDPA Subtest-1	22.72	22.86	22.80
	HSDPA Subtest-2	22.73	22.78	22.81
	HSDPA Subtest-3	22.22	22.26	22.23
	HSDPA Subtest-4	22.25	22.29	22.39
3GPP Rel 6	HSUPA Subtest-1	22.75	22.76	22.74
	HSUPA Subtest-2	20.78	20.80	20.85
	HSUPA Subtest-3	21.75	21.72	21.83
	HSUPA Subtest-4	20.81	20.72	20.86
	HSUPA Subtest-5	22.87	22.90	22.90
3GPP Rel 7	HSPA+	20.34	20.35	20.21
3GPP Rel 8	DC-HSDPA Subtest-1	22.83	22.82	22.75
	DC-HSDPA Subtest-2	22.84	22.77	22.79
	DC-HSDPA Subtest-3	22.25	22.28	22.22
	DC-HSDPA Subtest-4	22.32	22.33	22.37

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	23.96	23.91	23.89
3GPP Rel 5	HSDPA Subtest-1	23.59	23.56	23.76
	HSDPA Subtest-2	23.63	23.63	23.75
	HSDPA Subtest-3	23.23	23.11	23.17
	HSDPA Subtest-4	23.15	23.25	23.06
3GPP Rel 6	HSUPA Subtest-1	23.73	23.70	23.62
	HSUPA Subtest-2	21.67	21.73	21.69
	HSUPA Subtest-3	22.65	22.61	22.64
	HSUPA Subtest-4	21.62	21.60	21.68
	HSUPA Subtest-5	23.68	23.60	23.59
3GPP Rel 7	HSPA+	21.24	21.13	21.15
3GPP Rel 8	DC-HSDPA Subtest-1	23.62	23.60	23.59
	DC-HSDPA Subtest-2	23.67	23.69	23.65
	DC-HSDPA Subtest-3	23.11	23.12	23.12
	DC-HSDPA Subtest-4	23.23	23.25	23.11

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1.3.2 Sensor on-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)			**17.00**	
3GPP Rel 99	RMC 12.2Kbps	16.93	16.84	16.92
3GPP Rel 5	HSDPA Subtest-1	16.77	16.65	16.67
	HSDPA Subtest-2	16.67	16.73	16.74
	HSDPA Subtest-3	16.28	16.23	16.32
	HSDPA Subtest-4	16.24	16.20	16.23
3GPP Rel 6	HSUPA Subtest-1	16.73	16.81	16.75
	HSUPA Subtest-2	14.71	14.77	14.65
	HSUPA Subtest-3	15.81	15.73	15.70
	HSUPA Subtest-4	14.70	14.76	14.68
	HSUPA Subtest-5	16.75	16.70	16.67
3GPP Rel 7	HSPA+	14.16	14.32	14.15
3GPP Rel 8	DC-HSDPA Subtest-1	16.75	16.81	16.72
	DC-HSDPA Subtest-2	16.78	16.77	16.75
	DC-HSDPA Subtest-3	16.21	16.24	16.20
	DC-HSDPA Subtest-4	16.27	16.18	16.17

Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)			**18.00**	
3GPP Rel 99	RMC 12.2Kbps	17.97	17.89	17.82
3GPP Rel 5	HSDPA Subtest-1	17.65	17.74	17.80
	HSDPA Subtest-2	17.72	17.73	17.62
	HSDPA Subtest-3	17.16	17.16	17.28
	HSDPA Subtest-4	17.17	17.16	17.22
3GPP Rel 6	HSUPA Subtest-1	17.64	17.71	17.65
	HSUPA Subtest-2	15.67	15.65	15.78
	HSUPA Subtest-3	16.76	16.74	16.77
	HSUPA Subtest-4	15.75	15.70	15.63
	HSUPA Subtest-5	17.80	17.63	17.79
3GPP Rel 7	HSPA+	15.20	15.31	15.26
3GPP Rel 8	DC-HSDPA Subtest-1	17.69	17.63	17.67
	DC-HSDPA Subtest-2	17.68	17.74	17.76
	DC-HSDPA Subtest-3	17.12	17.28	17.28
	DC-HSDPA Subtest-4	17.27	17.16	17.15

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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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1.3.3 Sensor off-LTE FDD

Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 25 / Band 26 / Band 30 / Band 66 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	24.44	24.46	24.49	24.50	0
		1	50	24.39	24.30	24.33	24.50	0
		1	99	24.37	24.34	24.33	24.50	0
		50	0	23.30	23.36	23.34	23.50	0-1
		50	25	23.28	23.30	23.26	23.50	0-1
		50	50	23.30	23.23	23.35	23.50	0-1
		100	0	23.43	23.39	23.31	23.50	0-1
	16-QAM	1	0	23.35	23.33	23.33	23.50	0-1
		1	50	23.40	23.27	23.40	23.50	0-1
		1	99	23.38	23.30	23.36	23.50	0-1
		50	0	22.37	22.32	22.40	22.50	0-2
		50	25	22.28	22.43	22.27	22.50	0-2
		50	50	22.39	22.25	22.35	22.50	0-2
		100	0	22.30	22.42	22.41	22.50	0-2
	64-QAM	1	0	22.23	22.38	22.30	22.50	0-2
		1	50	22.39	22.40	22.36	22.50	0-2
		1	99	22.38	22.36	22.27	22.50	0-2
		50	0	21.32	21.26	21.39	21.50	0-3
		50	25	21.26	21.28	21.26	21.50	0-3
		50	50	21.30	21.36	21.32	21.50	0-3
		100	0	21.26	21.40	21.42	21.50	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	24.36	24.39	24.39	24.50	0
		1	36	24.32	24.37	24.29	24.50	0
		1	74	24.33	24.28	24.32	24.50	0
		36	0	23.35	23.39	23.41	23.50	0-1
		36	18	23.40	23.34	23.33	23.50	0-1
		36	37	23.26	23.25	23.43	23.50	0-1
		75	0	23.42	23.41	23.24	23.50	0-1
	16-QAM	1	0	23.43	23.39	23.33	23.50	0-1
		1	36	23.28	23.26	23.27	23.50	0-1
		1	74	23.40	23.32	23.25	23.50	0-1
		36	0	22.33	22.30	22.39	22.50	0-2
		36	18	22.40	22.24	22.39	22.50	0-2
		36	37	22.29	22.42	22.29	22.50	0-2
		75	0	22.25	22.36	22.42	22.50	0-2
	64-QAM	1	0	22.31	22.43	22.26	22.50	0-2
		1	36	22.30	22.40	22.38	22.50	0-2
		1	74	22.30	22.38	22.35	22.50	0-2
		36	0	21.34	21.31	21.42	21.50	0-3
		36	18	21.40	21.26	21.40	21.50	0-3
		36	37	21.41	21.36	21.25	21.50	0-3
		75	0	21.38	21.24	21.30	21.50	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	24.29	24.41	24.38	24.50	0
		1	25	24.32	24.40	24.27	24.50	0
		1	49	24.28	24.37	24.26	24.50	0
		25	0	23.37	23.33	23.38	23.50	0-1
		25	12	23.38	23.24	23.26	23.50	0-1
		25	25	23.41	23.34	23.39	23.50	0-1
		50	0	23.36	23.30	23.26	23.50	0-1
	16-QAM	1	0	23.24	23.30	23.36	23.50	0-1
		1	25	23.25	23.27	23.38	23.50	0-1
		1	49	23.25	23.37	23.29	23.50	0-1
		25	0	22.32	22.36	22.31	22.50	0-2
		25	12	22.29	22.40	22.32	22.50	0-2
		25	25	22.35	22.30	22.42	22.50	0-2
		50	0	22.24	22.31	22.31	22.50	0-2
	64-QAM	1	0	22.40	22.35	22.33	22.50	0-2
		1	25	22.41	22.29	22.38	22.50	0-2
		1	49	22.36	22.31	22.28	22.50	0-2
		25	0	21.38	21.32	21.38	21.50	0-3
		25	12	21.30	21.28	21.31	21.50	0-3
		25	25	21.39	21.38	21.41	21.50	0-3
		50	0	21.24	21.36	21.42	21.50	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	24.36	24.30	24.31	24.50	0
		1	12	24.41	24.43	24.26	24.50	0
		1	24	24.28	24.29	24.26	24.50	0
		12	0	23.36	23.35	23.39	23.50	0-1
		12	6	23.43	23.25	23.33	23.50	0-1
		12	13	23.24	23.25	23.41	23.50	0-1
		25	0	23.23	23.35	23.32	23.50	0-1
	16-QAM	1	0	23.24	23.23	23.25	23.50	0-1
		1	12	23.26	23.37	23.25	23.50	0-1
		1	24	23.31	23.43	23.28	23.50	0-1
		12	0	22.36	22.29	22.42	22.50	0-2
		12	6	22.32	22.41	22.40	22.50	0-2
		12	13	22.38	22.29	22.31	22.50	0-2
		25	0	22.33	22.42	22.43	22.50	0-2
	64-QAM	1	0	22.25	22.27	22.29	22.50	0-2
		1	12	22.42	22.43	22.40	22.50	0-2
		1	24	22.23	22.23	22.29	22.50	0-2
		12	0	21.30	21.31	21.37	21.50	0-3
		12	6	21.39	21.39	21.26	21.50	0-3
		12	13	21.35	21.25	21.24	21.50	0-3
		25	0	21.31	21.41	21.31	21.50	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	24.35	24.40	24.23	24.50	0
		1	12	24.42	24.32	24.34	24.50	0
		1	24	24.40	24.25	24.42	24.50	0
		12	0	23.26	23.23	23.26	23.50	0-1
		12	6	23.32	23.42	23.42	23.50	0-1
		12	13	23.26	23.35	23.26	23.50	0-1
		25	0	23.42	23.40	23.40	23.50	0-1
	16-QAM	1	0	23.32	23.35	23.40	23.50	0-1
		1	12	23.36	23.39	23.28	23.50	0-1
		1	24	23.36	23.24	23.42	23.50	0-1
		12	0	22.40	22.42	22.31	22.50	0-2
		12	6	22.31	22.31	22.41	22.50	0-2
		12	13	22.30	22.24	22.29	22.50	0-2
		25	0	22.37	22.40	22.35	22.50	0-2
	64-QAM	1	0	22.29	22.28	22.23	22.50	0-2
		1	12	22.29	22.28	22.37	22.50	0-2
		1	24	22.25	22.37	22.27	22.50	0-2
		12	0	21.25	21.32	21.39	21.50	0-3
		12	6	21.34	21.24	21.32	21.50	0-3
		12	13	21.31	21.26	21.30	21.50	0-3
		25	0	21.36	21.42	21.30	21.50	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	24.30	24.36	24.34	24.50	0
		1	12	24.35	24.35	24.32	24.50	0
		1	24	24.36	24.36	24.30	24.50	0
		12	0	23.34	23.26	23.24	23.50	0-1
		12	6	23.26	23.42	23.29	23.50	0-1
		12	13	23.39	23.40	23.31	23.50	0-1
		25	0	23.39	23.34	23.28	23.50	0-1
	16-QAM	1	0	23.33	23.35	23.39	23.50	0-1
		1	12	23.29	23.24	23.35	23.50	0-1
		1	24	23.35	23.26	23.25	23.50	0-1
		12	0	22.42	22.26	22.38	22.50	0-2
		12	6	22.43	22.31	22.41	22.50	0-2
		12	13	22.34	22.36	22.34	22.50	0-2
		25	0	22.42	22.33	22.41	22.50	0-2
	64-QAM	1	0	22.41	22.25	22.28	22.50	0-2
		1	12	22.38	22.28	22.30	22.50	0-2
		1	24	22.27	22.23	22.27	22.50	0-2
		12	0	21.35	21.28	21.24	21.50	0-3
		12	6	21.30	21.40	21.41	21.50	0-3
		12	13	21.30	21.37	21.38	21.50	0-3
		25	0	21.41	21.35	21.25	21.50	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	24.33	24.45	24.48	24.50	0
		1	50	24.13	24.32	24.14	24.50	0
		1	99	24.27	24.24	24.21	24.50	0
		50	0	23.25	23.26	23.20	23.50	0-1
		50	25	23.17	23.17	23.24	23.50	0-1
		50	50	23.30	23.19	23.14	23.50	0-1
		100	0	23.18	23.13	23.26	23.50	0-1
	16-QAM	1	0	23.25	23.25	23.22	23.50	0-1
		1	50	23.15	23.15	23.17	23.50	0-1
		1	99	23.12	23.17	23.27	23.50	0-1
		50	0	22.27	22.22	22.18	22.50	0-2
		50	25	22.32	22.30	22.29	22.50	0-2
		50	50	22.28	22.28	22.29	22.50	0-2
		100	0	22.25	22.17	22.31	22.50	0-2
	64-QAM	1	0	22.26	22.13	22.28	22.50	0-2
		1	50	22.13	22.15	22.25	22.50	0-2
		1	99	22.20	22.25	22.22	22.50	0-2
		50	0	21.32	21.21	21.22	21.50	0-3
		50	25	21.16	21.15	21.17	21.50	0-3
		50	50	21.27	21.27	21.30	21.50	0-3
		100	0	21.20	21.15	21.15	21.50	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	24.28	24.21	24.31	24.50	0
		1	36	24.23	24.22	24.19	24.50	0
		1	74	24.19	24.14	24.13	24.50	0
		36	0	23.28	23.22	23.24	23.50	0-1
		36	18	23.17	23.13	23.31	23.50	0-1
		36	37	23.29	23.25	23.13	23.50	0-1
		75	0	23.24	23.18	23.18	23.50	0-1
	16-QAM	1	0	23.18	23.32	23.23	23.50	0-1
		1	36	23.24	23.26	23.24	23.50	0-1
		1	74	23.28	23.14	23.12	23.50	0-1
		36	0	22.24	22.17	22.26	22.50	0-2
		36	18	22.21	22.22	22.14	22.50	0-2
		36	37	22.22	22.17	22.21	22.50	0-2
		75	0	22.23	22.17	22.13	22.50	0-2
	64-QAM	1	0	22.18	22.20	22.18	22.50	0-2
		1	36	22.17	22.23	22.28	22.50	0-2
		1	74	22.31	22.17	22.25	22.50	0-2
		36	0	21.23	21.31	21.24	21.50	0-3
		36	18	21.24	21.18	21.19	21.50	0-3
		36	37	21.29	21.14	21.31	21.50	0-3
		75	0	21.13	21.15	21.13	21.50	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	24.17	24.20	24.24	24.50	0
		1	25	24.30	24.26	24.23	24.50	0
		1	49	24.13	24.31	24.15	24.50	0
		25	0	23.29	23.22	23.21	23.50	0-1
		25	12	23.29	23.16	23.24	23.50	0-1
		25	25	23.28	23.13	23.29	23.50	0-1
		50	0	23.23	23.17	23.17	23.50	0-1
	16-QAM	1	0	23.25	23.15	23.17	23.50	0-1
		1	25	23.30	23.17	23.24	23.50	0-1
		1	49	23.25	23.23	23.21	23.50	0-1
		25	0	22.24	22.16	22.28	22.50	0-2
		25	12	22.17	22.16	22.21	22.50	0-2
		25	25	22.16	22.18	22.30	22.50	0-2
		50	0	22.22	22.23	22.28	22.50	0-2
	64-QAM	1	0	22.18	22.23	22.19	22.50	0-2
		1	25	22.20	22.25	22.23	22.50	0-2
		1	49	22.16	22.21	22.17	22.50	0-2
		25	0	21.31	21.16	21.16	21.50	0-3
		25	12	21.12	21.15	21.22	21.50	0-3
		25	25	21.22	21.22	21.25	21.50	0-3
		50	0	21.32	21.31	21.16	21.50	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	24.15	24.17	24.27	24.50	0
		1	12	24.26	24.26	24.29	24.50	0
		1	24	24.12	24.20	24.15	24.50	0
		12	0	23.18	23.29	23.30	23.50	0-1
		12	6	23.14	23.32	23.17	23.50	0-1
		12	13	23.30	23.30	23.16	23.50	0-1
		25	0	23.12	23.23	23.22	23.50	0-1
	16-QAM	1	0	23.30	23.26	23.21	23.50	0-1
		1	12	23.12	23.23	23.25	23.50	0-1
		1	24	23.22	23.20	23.16	23.50	0-1
		12	0	22.24	22.27	22.28	22.50	0-2
		12	6	22.23	22.16	22.24	22.50	0-2
		12	13	22.21	22.23	22.18	22.50	0-2
		25	0	22.26	22.25	22.23	22.50	0-2
	64-QAM	1	0	22.26	22.23	22.19	22.50	0-2
		1	12	22.29	22.17	22.22	22.50	0-2
		1	24	22.15	22.23	22.28	22.50	0-2
		12	0	21.23	21.31	21.19	21.50	0-3
		12	6	21.12	21.14	21.22	21.50	0-3
		12	13	21.14	21.30	21.12	21.50	0-3
		25	0	21.27	21.20	21.31	21.50	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	24.30	24.24	24.22	24.50	0
		1	7	24.28	24.29	24.27	24.50	0
		1	14	24.28	24.16	24.14	24.50	0
		8	0	23.22	23.17	23.16	23.50	0-1
		8	4	23.32	23.24	23.23	23.50	0-1
		8	7	23.25	23.22	23.21	23.50	0-1
		15	0	23.12	23.15	23.29	23.50	0-1
	16-QAM	1	0	23.28	23.24	23.12	23.50	0-1
		1	7	23.21	23.14	23.19	23.50	0-1
		1	14	23.26	23.14	23.22	23.50	0-1
		8	0	22.19	22.26	22.14	22.50	0-2
		8	4	22.25	22.17	22.21	22.50	0-2
		8	7	22.24	22.24	22.18	22.50	0-2
		15	0	22.19	22.31	22.15	22.50	0-2
	64-QAM	1	0	22.24	22.31	22.32	22.50	0-2
		1	7	22.22	22.31	22.21	22.50	0-2
		1	14	22.18	22.24	22.21	22.50	0-2
		8	0	21.13	21.15	21.19	21.50	0-3
		8	4	21.13	21.14	21.25	21.50	0-3
		8	7	21.32	21.30	21.17	21.50	0-3
		15	0	21.19	21.31	21.15	21.50	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	24.20	24.12	24.13	24.50	0
		1	2	24.26	24.19	24.21	24.50	0
		1	5	24.30	24.29	24.18	24.50	0
		3	0	23.14	23.27	23.31	23.50	0-1
		3	2	23.19	23.22	23.20	23.50	0-1
		3	3	23.23	23.25	23.12	23.50	0-1
		6	0	23.19	23.29	23.31	23.50	0-1
	16-QAM	1	0	23.15	23.31	23.19	23.50	0-1
		1	2	23.31	23.31	23.26	23.50	0-1
		1	5	23.12	23.24	23.25	23.50	0-1
		3	0	22.17	22.27	22.21	22.50	0-2
		3	2	22.22	22.25	22.21	22.50	0-2
		3	3	22.30	22.15	22.29	22.50	0-2
		6	0	22.19	22.32	22.24	22.50	0-2
	64-QAM	1	0	22.12	22.25	22.14	22.50	0-2
		1	2	22.28	22.20	22.28	22.50	0-2
		1	5	22.25	22.31	22.18	22.50	0-2
		3	0	21.25	21.26	21.27	21.50	0-3
		3	2	21.31	21.31	21.24	21.50	0-3
		3	3	21.28	21.14	21.31	21.50	0-3
		6	0	21.29	21.31	21.22	21.50	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	24.40	24.49	24.48	24.50	0
		1	25	24.44	24.44	24.31	24.50	0
		1	49	24.32	24.36	24.35	24.50	0
		25	0	23.46	23.47	23.38	23.50	0-1
		25	12	23.29	23.41	23.42	23.50	0-1
		25	25	23.48	23.44	23.39	23.50	0-1
		50	0	23.31	23.44	23.40	23.50	0-1
	16-QAM	1	0	23.36	23.31	23.39	23.50	0-1
		1	25	23.40	23.40	23.33	23.50	0-1
		1	49	23.40	23.34	23.48	23.50	0-1
		25	0	22.30	22.41	22.48	22.50	0-2
		25	12	22.49	22.37	22.32	22.50	0-2
		25	25	22.43	22.36	22.42	22.50	0-2
		50	0	22.37	22.39	22.30	22.50	0-2
	64-QAM	1	0	22.44	22.40	22.45	22.50	0-2
		1	25	22.36	22.41	22.32	22.50	0-2
		1	49	22.36	22.32	22.39	22.50	0-2
		25	0	21.44	21.32	21.41	21.50	0-3
		25	12	21.42	21.34	21.45	21.50	0-3
		25	25	21.33	21.40	21.35	21.50	0-3
		50	0	21.33	21.35	21.48	21.50	0-3
Frequency (MHz)				826.5	836.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20425	20525	20625		
5	QPSK	1	0	24.38	24.21	24.25	24.50	0
		1	12	24.39	24.23	24.37	24.50	0
		1	24	24.29	24.40	24.23	24.50	0
		12	0	23.39	23.22	23.27	23.50	0-1
		12	6	23.23	23.23	23.38	23.50	0-1
		12	13	23.33	23.29	23.33	23.50	0-1
		25	0	23.22	23.30	23.37	23.50	0-1
	16-QAM	1	0	23.28	23.27	23.25	23.50	0-1
		1	12	23.23	23.38	23.23	23.50	0-1
		1	24	23.21	23.30	23.29	23.50	0-1
		12	0	22.21	22.30	22.32	22.50	0-2
		12	6	22.37	22.29	22.29	22.50	0-2
		12	13	22.37	22.21	22.31	22.50	0-2
		25	0	22.30	22.23	22.28	22.50	0-2
	64-QAM	1	0	22.28	22.32	22.25	22.50	0-2
		1	12	22.26	22.37	22.26	22.50	0-2
		1	24	22.26	22.23	22.28	22.50	0-2
		12	0	21.35	21.24	21.34	21.50	0-3
		12	6	21.27	21.29	21.29	21.50	0-3
		12	13	21.24	21.25	21.32	21.50	0-3
		25	0	21.31	21.30	21.25	21.50	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)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	24.38	24.26	24.34	24.50	0
		1	7	24.30	24.30	24.33	24.50	0
		1	14	24.27	24.23	24.40	24.50	0
		8	0	23.27	23.33	23.26	23.50	0-1
		8	4	23.38	23.21	23.37	23.50	0-1
		8	7	23.38	23.21	23.21	23.50	0-1
		15	0	23.21	23.31	23.35	23.50	0-1
	16-QAM	1	0	23.23	23.20	23.38	23.50	0-1
		1	7	23.28	23.34	23.39	23.50	0-1
		1	14	23.39	23.30	23.40	23.50	0-1
		8	0	22.38	22.21	22.27	22.50	0-2
		8	4	22.28	22.29	22.31	22.50	0-2
		8	7	22.35	22.34	22.34	22.50	0-2
		15	0	22.22	22.23	22.39	22.50	0-2
	64-QAM	1	0	22.39	22.22	22.28	22.50	0-2
		1	7	22.28	22.31	22.26	22.50	0-2
		1	14	22.31	22.28	22.23	22.50	0-2
		8	0	21.34	21.26	21.27	21.50	0-3
		8	4	21.22	21.30	21.21	21.50	0-3
		8	7	21.27	21.27	21.24	21.50	0-3
		15	0	21.24	21.29	21.39	21.50	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	24.35	24.22	24.28	24.50	0
		1	2	24.22	24.21	24.26	24.50	0
		1	5	24.30	24.38	24.37	24.50	0
		3	0	23.39	23.34	23.36	24.50	0
		3	2	23.37	23.35	23.35	24.50	0
		3	3	23.35	23.27	23.24	24.50	0
		6	0	23.22	23.37	23.34	23.50	0-1
	16-QAM	1	0	23.33	23.24	23.33	23.50	0-1
		1	2	23.32	23.37	23.38	23.50	0-1
		1	5	23.24	23.24	23.40	23.50	0-1
		3	0	22.35	22.36	22.39	23.50	0-1
		3	2	22.34	22.31	22.38	23.50	0-1
		3	3	22.22	22.23	22.34	23.50	0-1
		6	0	22.32	22.30	22.23	22.50	0-2
	64-QAM	1	0	22.33	22.21	22.28	22.50	0-2
		1	2	22.39	22.28	22.31	22.50	0-2
		1	5	22.32	22.32	22.30	22.50	0-2
		3	0	21.25	21.28	21.29	22.50	0-2
		3	2	21.28	21.38	21.33	22.50	0-2
		3	3	21.32	21.34	21.37	22.50	0-2
		6	0	21.23	21.29	21.38	21.50	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)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	24.38	24.29	24.46	24.50	0
		1	50	24.23	24.27	24.16	24.50	0
		1	99	24.23	24.10	24.17	24.50	0
		50	0	23.26	23.13	23.14	23.50	0-1
		50	25	23.25	23.15	23.28	23.50	0-1
		50	50	23.10	23.27	23.23	23.50	0-1
		100	0	23.08	23.22	23.21	23.50	0-1
	16-QAM	1	0	23.27	23.14	23.15	23.50	0-1
		1	50	23.11	23.13	23.16	23.50	0-1
		1	99	23.18	23.24	23.09	23.50	0-1
		50	0	22.15	22.18	22.21	22.50	0-2
		50	25	22.19	22.25	22.23	22.50	0-2
		50	50	22.25	22.10	22.22	22.50	0-2
		100	0	22.18	22.13	22.18	22.50	0-2
	64-QAM	1	0	22.10	22.25	22.08	22.50	0-2
		1	50	22.22	22.27	22.28	22.50	0-2
		1	99	22.15	22.13	22.13	22.50	0-2
		50	0	21.11	21.27	21.11	21.50	0-3
		50	25	21.23	21.12	21.24	21.50	0-3
		50	50	21.12	21.13	21.18	21.50	0-3
		100	0	21.15	21.15	21.15	21.50	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	24.10	24.11	24.23	24.50	0
		1	36	24.23	24.18	24.11	24.50	0
		1	74	24.22	24.18	24.16	24.50	0
		36	0	23.18	23.22	23.28	23.50	0-1
		36	18	23.13	23.16	23.21	23.50	0-1
		36	37	23.17	23.12	23.14	23.50	0-1
		75	0	23.22	23.09	23.22	23.50	0-1
	16-QAM	1	0	23.27	23.13	23.09	23.50	0-1
		1	36	23.09	23.11	23.20	23.50	0-1
		1	74	23.24	23.14	23.15	23.50	0-1
		36	0	22.10	22.11	22.24	22.50	0-2
		36	18	22.27	22.09	22.18	22.50	0-2
		36	37	22.15	22.21	22.23	22.50	0-2
		75	0	22.09	22.24	22.15	22.50	0-2
	64-QAM	1	0	22.21	22.27	22.15	22.50	0-2
		1	36	22.09	22.25	22.25	22.50	0-2
		1	74	22.26	22.21	22.12	22.50	0-2
		36	0	21.18	21.25	21.27	21.50	0-3
		36	18	21.13	21.13	21.18	21.50	0-3
		36	37	21.17	21.08	21.24	21.50	0-3
		75	0	21.14	21.08	21.20	21.50	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	24.23	24.18	24.11	24.50	0
		1	25	24.25	24.11	24.14	24.50	0
		1	49	24.16	24.24	24.21	24.50	0
		25	0	23.27	23.18	23.23	23.50	0-1
		25	12	23.11	23.14	23.08	23.50	0-1
		25	25	23.13	23.23	23.17	23.50	0-1
		50	0	23.14	23.18	23.15	23.50	0-1
	16-QAM	1	0	23.28	23.09	23.14	23.50	0-1
		1	25	23.15	23.09	23.22	23.50	0-1
		1	49	23.16	23.24	23.13	23.50	0-1
		25	0	22.08	22.26	22.24	22.50	0-2
		25	12	22.25	22.24	22.26	22.50	0-2
		25	25	22.26	22.21	22.23	22.50	0-2
		50	0	22.11	22.18	22.27	22.50	0-2
	64-QAM	1	0	22.11	22.14	22.11	22.50	0-2
		1	25	22.19	22.24	22.09	22.50	0-2
		1	49	22.20	22.14	22.10	22.50	0-2
		25	0	21.15	21.27	21.24	21.50	0-3
		25	12	21.15	21.13	21.22	21.50	0-3
		25	25	21.20	21.19	21.19	21.50	0-3
		50	0	21.26	21.26	21.17	21.50	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	24.28	24.22	24.18	24.50	0
		1	12	24.16	24.16	24.21	24.50	0
		1	24	24.18	24.13	24.09	24.50	0
		12	0	23.20	23.15	23.22	23.50	0-1
		12	6	23.09	23.14	23.12	23.50	0-1
		12	13	23.13	23.24	23.25	23.50	0-1
		25	0	23.28	23.16	23.24	23.50	0-1
	16-QAM	1	0	23.20	23.26	23.26	23.50	0-1
		1	12	23.13	23.24	23.18	23.50	0-1
		1	24	23.10	23.28	23.12	23.50	0-1
		12	0	22.22	22.16	22.19	22.50	0-2
		12	6	22.13	22.13	22.15	22.50	0-2
		12	13	22.19	22.21	22.20	22.50	0-2
		25	0	22.19	22.10	22.19	22.50	0-2
	64-QAM	1	0	22.18	22.19	22.21	22.50	0-2
		1	12	22.23	22.27	22.25	22.50	0-2
		1	24	22.21	22.27	22.12	22.50	0-2
		12	0	21.16	21.14	21.11	21.50	0-3
		12	6	21.08	21.25	21.25	21.50	0-3
		12	13	21.21	21.16	21.19	21.50	0-3
		25	0	21.14	21.10	21.21	21.50	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	24.37	24.47	24.43	24.50	0
		1	25	24.29	24.25	24.25	24.50	0
		1	49	24.25	24.24	24.22	24.50	0
		25	0	23.35	23.36	23.35	23.50	0-1
		25	12	23.21	23.35	23.24	23.50	0-1
		25	25	23.17	23.26	23.34	23.50	0-1
		50	0	23.37	23.25	23.36	23.50	0-1
	16-QAM	1	0	23.23	23.34	23.24	23.50	0-1
		1	25	23.28	23.32	23.17	23.50	0-1
		1	49	23.30	23.16	23.29	23.50	0-1
		25	0	22.27	22.30	22.29	22.50	0-2
		25	12	22.34	22.33	22.33	22.50	0-2
		25	25	22.20	22.21	22.17	22.50	0-2
		50	0	22.19	22.20	22.25	22.50	0-2
	64-QAM	1	0	22.35	22.27	22.25	22.50	0-2
		1	25	22.33	22.19	22.18	22.50	0-2
		1	49	22.29	22.18	22.28	22.50	0-2
		25	0	21.21	21.33	21.21	21.50	0-3
		25	12	21.24	21.31	21.20	21.50	0-3
		25	25	21.27	21.27	21.20	21.50	0-3
		50	0	21.21	21.25	21.26	21.50	0-3
Frequency (MHz)				701.5	707.5	713.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23035	23095	23155		
5	QPSK	1	0	24.34	24.24	24.22	24.50	0
		1	12	24.16	24.32	24.35	24.50	0
		1	24	24.29	24.16	24.25	24.50	0
		12	0	23.18	23.35	23.18	23.50	0-1
		12	6	23.35	23.23	23.34	23.50	0-1
		12	13	23.23	23.20	23.22	23.50	0-1
		25	0	23.22	23.26	23.26	23.50	0-1
	16-QAM	1	0	23.18	23.31	23.20	23.50	0-1
		1	12	23.35	23.35	23.29	23.50	0-1
		1	24	23.24	23.20	23.32	23.50	0-1
		12	0	22.18	22.28	22.34	22.50	0-2
		12	6	22.22	22.35	22.33	22.50	0-2
		12	13	22.25	22.35	22.25	22.50	0-2
		25	0	22.28	22.34	22.25	22.50	0-2
	64-QAM	1	0	22.30	22.35	22.35	22.50	0-2
		1	12	22.32	22.23	22.32	22.50	0-2
		1	24	22.27	22.27	22.27	22.50	0-2
		12	0	21.16	21.31	21.26	21.50	0-3
		12	6	21.17	21.16	21.18	21.50	0-3
		12	13	21.18	21.21	21.18	21.50	0-3
		25	0	21.31	21.23	21.30	21.50	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)				700.5	707.5	714.5		
Channel				23025	23095	23165		
3	QPSK	1	0	24.29	24.32	24.36	24.50	0
		1	7	24.23	24.33	24.33	24.50	0
		1	14	24.33	24.35	24.30	24.50	0
		8	0	23.30	23.35	23.22	23.50	0-1
		8	4	23.34	23.20	23.18	23.50	0-1
		8	7	23.23	23.35	23.20	23.50	0-1
		15	0	23.18	23.32	23.35	23.50	0-1
	16-QAM	1	0	23.19	23.17	23.29	23.50	0-1
		1	7	23.29	23.31	23.16	23.50	0-1
		1	14	23.29	23.36	23.34	23.50	0-1
		8	0	22.18	22.28	22.34	22.50	0-2
		8	4	22.23	22.22	22.18	22.50	0-2
		8	7	22.28	22.30	22.33	22.50	0-2
		15	0	22.22	22.21	22.29	22.50	0-2
	64-QAM	1	0	22.20	22.31	22.24	22.50	0-2
		1	7	22.26	22.23	22.27	22.50	0-2
		1	14	22.32	22.30	22.27	22.50	0-2
		8	0	21.17	21.23	21.30	21.50	0-3
		8	4	21.31	21.18	21.22	21.50	0-3
		8	7	21.17	21.33	21.31	21.50	0-3
		15	0	21.18	21.32	21.21	21.50	0-3
Frequency (MHz)				699.7	707.5	715.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23017	23095	23173		
1.4	QPSK	1	0	24.20	24.36	24.19	24.50	0
		1	2	24.20	24.29	24.27	24.50	0
		1	5	24.33	24.28	24.22	24.50	0
		3	0	23.21	23.25	23.21	24.50	0
		3	2	23.28	23.18	23.24	24.50	0
		3	3	23.26	23.24	23.26	24.50	0
		6	0	23.21	23.18	23.25	23.50	0-1
	16-QAM	1	0	23.18	23.22	23.30	23.50	0-1
		1	2	23.31	23.31	23.16	23.50	0-1
		1	5	23.36	23.26	23.34	23.50	0-1
		3	0	22.32	22.22	22.35	23.50	0-1
		3	2	22.29	22.25	22.33	23.50	0-1
		3	3	22.34	22.24	22.31	23.50	0-1
		6	0	22.28	22.26	22.16	22.50	0-2
	64-QAM	1	0	22.26	22.31	22.21	22.50	0-2
		1	2	22.31	22.23	22.27	22.50	0-2
		1	5	22.18	22.20	22.21	22.50	0-2
		3	0	21.17	21.32	21.18	22.50	0-2
		3	2	21.21	21.26	21.28	22.50	0-2
		3	3	21.33	21.35	21.35	22.50	0-2
		6	0	21.32	21.33	21.31	21.50	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	23.57			24.50	0
		1	25	23.52			24.50	0
		1	49	23.51			24.50	0
		25	0	22.37			23.50	0-1
		25	12	22.40			23.50	0-1
		25	25	22.42			23.50	0-1
		50	0	22.49			23.50	0-1
	16-QAM	1	0	22.50			23.50	0-1
		1	25	22.46			23.50	0-1
		1	49	22.50			23.50	0-1
		25	0	21.34			22.50	0-2
		25	12	21.39			22.50	0-2
		25	25	21.42			22.50	0-2
		50	0	21.43			22.50	0-2
	64-QAM	1	0	21.31			22.50	0-2
		1	25	21.37			22.50	0-2
		1	49	21.45			22.50	0-2
		25	0	20.34			21.50	0-3
		25	12	20.42			21.50	0-3
		25	25	20.45			21.50	0-3
		50	0	20.40			21.50	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	23.42	23.42	23.32	24.50	0
		1	12	23.32	23.43	23.42	24.50	0
		1	24	23.45	23.38	23.33	24.50	0
		12	0	22.39	22.44	22.41	23.50	0-1
		12	6	22.30	22.34	22.32	23.50	0-1
		12	13	22.35	22.48	22.35	23.50	0-1
		25	0	22.35	22.49	22.37	23.50	0-1
	16-QAM	1	0	22.41	22.48	22.49	23.50	0-1
		1	12	22.41	22.30	22.43	23.50	0-1
		1	24	22.37	22.44	22.37	23.50	0-1
		12	0	21.41	21.31	21.33	22.50	0-2
		12	6	21.40	21.38	21.45	22.50	0-2
		12	13	21.39	21.40	21.48	22.50	0-2
		25	0	21.33	21.42	21.37	22.50	0-2
	64-QAM	1	0	21.36	21.32	21.47	22.50	0-2
		1	12	21.36	21.36	21.34	22.50	0-2
		1	24	21.31	21.35	21.30	22.50	0-2
		12	0	20.47	20.39	20.36	21.50	0-3
		12	6	20.33	20.31	20.41	21.50	0-3
		12	13	20.49	20.39	20.40	21.50	0-3
		25	0	20.32	20.42	20.42	21.50	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	23.94			24.00	0
		1	25	23.88			24.00	0
		1	49	23.82			24.00	0
		25	0	22.79			23.00	0-1
		25	12	22.65			23.00	0-1
		25	25	22.69			23.00	0-1
		50	0	22.77			23.00	0-1
	16-QAM	1	0	22.65			23.00	0-1
		1	25	22.62			23.00	0-1
		1	49	22.68			23.00	0-1
		25	0	21.75			22.00	0-2
		25	12	21.71			22.00	0-2
		25	25	21.81			22.00	0-2
		50	0	21.73			22.00	0-2
	64-QAM	1	0	21.70			22.00	0-2
		1	25	21.67			22.00	0-2
		1	49	21.71			22.00	0-2
		25	0	20.65			21.00	0-3
		25	12	20.79			21.00	0-3
		25	25	20.64			21.00	0-3
		50	0	20.71			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	23.78	23.73	23.62	24.00	0
		1	12	23.79	23.70	23.68	24.00	0
		1	24	23.77	23.73	23.65	24.00	0
		12	0	22.61	22.69	22.73	23.00	0-1
		12	6	22.64	22.76	22.61	23.00	0-1
		12	13	22.70	22.63	22.77	23.00	0-1
		25	0	22.73	22.68	22.76	23.00	0-1
	16-QAM	1	0	22.71	22.79	22.69	23.00	0-1
		1	12	22.68	22.62	22.78	23.00	0-1
		1	24	22.79	22.70	22.65	23.00	0-1
		12	0	21.75	21.70	21.63	22.00	0-2
		12	6	21.75	21.64	21.80	22.00	0-2
		12	13	21.63	21.64	21.77	22.00	0-2
		25	0	21.72	21.65	21.68	22.00	0-2
	64-QAM	1	0	21.72	21.67	21.73	22.00	0-2
		1	12	21.79	21.71	21.76	22.00	0-2
		1	24	21.81	21.70	21.71	22.00	0-2
		12	0	20.72	20.80	20.68	21.00	0-3
		12	6	20.70	20.68	20.75	21.00	0-3
		12	13	20.79	20.77	20.61	21.00	0-3
		25	0	20.75	20.65	20.63	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	24.25	24.35	24.47	24.50	0
		1	50	24.07	24.20	24.16	24.50	0
		1	99	24.05	24.08	24.09	24.50	0
		50	0	23.17	23.10	23.16	23.50	0-1
		50	25	23.20	23.10	23.08	23.50	0-1
		50	50	23.10	23.23	23.23	23.50	0-1
		100	0	23.23	23.12	23.16	23.50	0-1
	16-QAM	1	0	23.14	23.13	23.15	23.50	0-1
		1	50	23.10	23.23	23.13	23.50	0-1
		1	99	23.09	23.17	23.19	23.50	0-1
		50	0	22.07	22.09	22.15	22.50	0-2
		50	25	22.17	22.20	22.05	22.50	0-2
		50	50	22.15	22.14	22.12	22.50	0-2
		100	0	22.23	22.24	22.12	22.50	0-2
	64-QAM	1	0	22.23	22.05	22.20	22.50	0-2
		1	50	22.20	22.20	22.13	22.50	0-2
		1	99	22.08	22.17	22.08	22.50	0-2
		50	0	21.16	21.05	21.09	21.50	0-3
		50	25	21.05	21.15	21.18	21.50	0-3
		50	50	21.11	21.13	21.17	21.50	0-3
		100	0	21.14	21.13	21.23	21.50	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	24.10	24.14	24.09	24.50	0
		1	36	24.17	24.19	24.07	24.50	0
		1	74	24.18	24.22	24.14	24.50	0
		36	0	23.15	23.19	23.15	23.50	0-1
		36	18	23.21	23.16	23.24	23.50	0-1
		36	37	23.07	23.22	23.20	23.50	0-1
		75	0	23.10	23.07	23.10	23.50	0-1
	16-QAM	1	0	23.20	23.18	23.17	23.50	0-1
		1	36	23.04	23.06	23.23	23.50	0-1
		1	74	23.20	23.17	23.05	23.50	0-1
		36	0	22.19	22.08	22.23	22.50	0-2
		36	18	22.13	22.22	22.08	22.50	0-2
		36	37	22.04	22.06	22.22	22.50	0-2
		75	0	22.11	22.15	22.19	22.50	0-2
	64-QAM	1	0	22.17	22.23	22.10	22.50	0-2
		1	36	22.20	22.05	22.21	22.50	0-2
		1	74	22.07	22.14	22.22	22.50	0-2
		36	0	21.10	21.05	21.16	21.50	0-3
		36	18	21.07	21.05	21.19	21.50	0-3
		36	37	21.22	21.09	21.19	21.50	0-3
		75	0	21.05	21.22	21.17	21.50	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	24.12	24.16	24.10	24.50	0
		1	25	24.11	24.17	24.14	24.50	0
		1	49	24.16	24.18	24.16	24.50	0
		25	0	23.18	23.20	23.11	23.50	0-1
		25	12	23.05	23.17	23.23	23.50	0-1
		25	25	23.12	23.21	23.11	23.50	0-1
		50	0	23.17	23.16	23.05	23.50	0-1
	16-QAM	1	0	23.05	23.06	23.11	23.50	0-1
		1	25	23.06	23.17	23.07	23.50	0-1
		1	49	23.13	23.12	23.10	23.50	0-1
		25	0	22.14	22.05	22.12	22.50	0-2
		25	12	22.18	22.16	22.16	22.50	0-2
		25	25	22.11	22.16	22.06	22.50	0-2
		50	0	22.05	22.19	22.16	22.50	0-2
	64-QAM	1	0	22.08	22.21	22.09	22.50	0-2
		1	25	22.11	22.08	22.21	22.50	0-2
		1	49	22.12	22.12	22.06	22.50	0-2
		25	0	21.24	21.06	21.24	21.50	0-3
		25	12	21.05	21.23	21.05	21.50	0-3
		25	25	21.18	21.16	21.17	21.50	0-3
		50	0	21.04	21.16	21.18	21.50	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	24.22	24.12	24.07	24.50	0
		1	12	24.05	24.20	24.14	24.50	0
		1	24	24.17	24.19	24.19	24.50	0
		12	0	23.11	23.09	23.20	23.50	0-1
		12	6	23.06	23.07	23.23	23.50	0-1
		12	13	23.10	23.18	23.05	23.50	0-1
		25	0	23.15	23.10	23.12	23.50	0-1
	16-QAM	1	0	23.24	23.13	23.10	23.50	0-1
		1	12	23.10	23.06	23.07	23.50	0-1
		1	24	23.09	23.07	23.08	23.50	0-1
		12	0	22.24	22.14	22.22	22.50	0-2
		12	6	22.07	22.20	22.07	22.50	0-2
		12	13	22.09	22.22	22.20	22.50	0-2
		25	0	22.16	22.19	22.21	22.50	0-2
	64-QAM	1	0	22.23	22.06	22.07	22.50	0-2
		1	12	22.12	22.21	22.13	22.50	0-2
		1	24	22.16	22.14	22.17	22.50	0-2
		12	0	21.12	21.12	21.09	21.50	0-3
		12	6	21.11	21.10	21.24	21.50	0-3
		12	13	21.05	21.20	21.20	21.50	0-3
		25	0	21.09	21.22	21.12	21.50	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	24.11	24.18	24.21	24.50	0
		1	7	24.22	24.04	24.18	24.50	0
		1	14	24.13	24.07	24.14	24.50	0
		8	0	23.23	23.09	23.17	23.50	0-1
		8	4	23.05	23.06	23.24	23.50	0-1
		8	7	23.22	23.08	23.08	23.50	0-1
		15	0	23.16	23.10	23.15	23.50	0-1
	16-QAM	1	0	23.22	23.17	23.07	23.50	0-1
		1	7	23.08	23.19	23.22	23.50	0-1
		1	14	23.16	23.20	23.17	23.50	0-1
		8	0	22.13	22.08	22.04	22.50	0-2
		8	4	22.20	22.10	22.19	22.50	0-2
		8	7	22.09	22.10	22.14	22.50	0-2
		15	0	22.23	22.08	22.22	22.50	0-2
	64-QAM	1	0	22.11	22.12	22.17	22.50	0-2
		1	7	22.22	22.14	22.08	22.50	0-2
		1	14	22.24	22.15	22.17	22.50	0-2
		8	0	21.08	21.11	21.08	21.50	0-3
		8	4	21.06	21.08	21.19	21.50	0-3
		8	7	21.07	21.07	21.16	21.50	0-3
		15	0	21.23	21.19	21.21	21.50	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	24.23	24.04	24.21	24.50	0
		1	2	24.09	24.04	24.15	24.50	0
		1	5	24.16	24.09	24.05	24.50	0
		3	0	24.24	24.09	24.23	24.50	0
		3	2	23.10	23.20	23.09	24.50	0
		3	3	23.08	23.09	23.16	24.50	0
		6	0	23.20	23.16	23.11	23.50	0-1
	16-QAM	1	0	23.14	23.06	23.12	23.50	0-1
		1	2	23.16	23.18	23.14	23.50	0-1
		1	5	23.20	23.16	23.20	23.50	0-1
		3	0	22.20	22.22	22.21	23.50	0-1
		3	2	22.19	22.15	22.10	23.50	0-1
		3	3	22.17	22.07	22.04	23.50	0-1
		6	0	22.14	22.19	22.08	22.50	0-2
	64-QAM	1	0	22.18	22.08	22.18	22.50	0-2
		1	2	22.16	22.08	22.17	22.50	0-2
		1	5	22.23	22.16	22.22	22.50	0-2
		3	0	21.14	21.20	21.21	22.50	0-2
		3	2	21.18	21.10	21.21	22.50	0-2
		3	3	21.14	21.23	21.24	22.50	0-2
		6	0	21.04	21.04	21.13	21.50	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	24.42	24.49	24.45	24.50	0
		1	36	24.26	24.41	24.27	24.50	0
		1	74	24.31	24.28	24.36	24.50	0
		36	0	23.29	23.39	23.34	23.50	0-1
		36	18	23.38	23.31	23.30	23.50	0-1
		36	37	23.29	23.25	23.26	23.50	0-1
		75	0	23.39	23.41	23.40	23.50	0-1
	16-QAM	1	0	23.41	23.34	23.23	23.50	0-1
		1	36	23.34	23.29	23.36	23.50	0-1
		1	74	23.30	23.32	23.31	23.50	0-1
		36	0	22.32	22.30	22.24	22.50	0-2
		36	18	22.37	22.25	22.24	22.50	0-2
		36	37	22.41	22.32	22.38	22.50	0-2
		75	0	22.29	22.34	22.35	22.50	0-2
	64-QAM	1	0	22.38	22.29	22.25	22.50	0-2
		1	36	22.41	22.29	22.39	22.50	0-2
		1	74	22.26	22.31	22.31	22.50	0-2
		36	0	21.32	21.30	21.29	22.50	0-3
		36	18	21.39	21.25	21.34	22.50	0-3
		36	37	21.30	21.40	21.38	22.50	0-3
		75	0	21.28	21.28	21.28	22.50	0-3
Frequency (MHz)				819	831.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26740	26865	26990		
10	QPSK	1	0	24.37	24.39	24.27	24.50	0
		1	25	24.24	24.41	24.32	24.50	0
		1	49	24.38	24.33	24.31	24.50	0
		25	0	23.41	23.41	23.29	23.50	0-1
		25	12	23.27	23.35	23.40	23.50	0-1
		25	25	23.22	23.27	23.30	23.50	0-1
		50	0	23.23	23.40	23.29	23.50	0-1
	16-QAM	1	0	23.38	23.40	23.27	23.50	0-1
		1	25	23.33	23.42	23.23	23.50	0-1
		1	49	23.35	23.32	23.30	23.50	0-1
		25	0	22.31	22.24	22.31	22.50	0-2
		25	12	22.24	22.30	22.25	22.50	0-2
		25	25	22.35	22.29	22.25	22.50	0-2
		50	0	22.25	22.27	22.27	22.50	0-2
	64-QAM	1	0	22.39	22.32	22.22	22.50	0-2
		1	25	22.34	22.24	22.37	22.50	0-2
		1	49	22.37	22.31	22.31	22.50	0-2
		25	0	21.39	21.27	21.25	22.50	0-3
		25	12	21.40	21.35	21.26	22.50	0-3
		25	25	21.30	21.32	21.42	22.50	0-3
		50	0	21.28	21.29	21.32	22.50	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)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	24.33	24.28	24.29	24.50	0
		1	12	24.31	24.24	24.37	24.50	0
		1	24	24.31	24.23	24.39	24.50	0
		12	0	23.41	23.39	23.27	23.50	0-1
		12	6	23.25	23.36	23.27	23.50	0-1
		12	13	23.29	23.31	23.30	23.50	0-1
		25	0	23.32	23.36	23.25	23.50	0-1
	16-QAM	1	0	23.29	23.34	23.34	23.50	0-1
		1	12	23.33	23.32	23.38	23.50	0-1
		1	24	23.41	23.26	23.30	23.50	0-1
		12	0	22.25	22.29	22.37	22.50	0-2
		12	6	22.27	22.22	22.26	22.50	0-2
		12	13	22.31	22.38	22.41	22.50	0-2
		25	0	22.32	22.29	22.26	22.50	0-2
	64-QAM	1	0	22.23	22.23	22.30	22.50	0-2
		1	12	22.22	22.23	22.27	22.50	0-2
		1	24	22.26	22.27	22.29	22.50	0-2
		12	0	21.41	21.38	21.40	22.50	0-3
		12	6	21.29	21.37	21.32	22.50	0-3
		12	13	21.32	21.24	21.38	22.50	0-3
		25	0	21.40	21.31	21.23	22.50	0-3
Frequency (MHz)				815.5	831.5	847.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26705	26865	27025		
3	QPSK	1	0	24.41	24.24	24.27	24.50	0
		1	7	24.40	24.35	24.36	24.50	0
		1	14	24.30	24.34	24.39	24.50	0
		8	0	23.33	23.27	23.25	23.50	0-1
		8	4	23.28	23.37	23.36	23.50	0-1
		8	7	23.23	23.33	23.39	23.50	0-1
		15	0	23.40	23.34	23.40	23.50	0-1
	16-QAM	1	0	23.41	23.30	23.23	23.50	0-1
		1	7	23.29	23.30	23.30	23.50	0-1
		1	14	23.35	23.32	23.26	23.50	0-1
		8	0	22.36	22.24	22.40	22.50	0-2
		8	4	22.31	22.39	22.31	22.50	0-2
		8	7	22.30	22.25	22.38	22.50	0-2
		15	0	22.29	22.26	22.42	22.50	0-2
	64-QAM	1	0	22.24	22.34	22.24	22.50	0-2
		1	7	22.35	22.35	22.32	22.50	0-2
		1	14	22.37	22.23	22.30	22.50	0-2
		8	0	21.37	21.22	21.41	22.50	0-3
		8	4	21.38	21.32	21.24	22.50	0-3
		8	7	21.42	21.35	21.23	22.50	0-3
		15	0	21.38	21.24	21.25	22.50	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)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	24.35	24.40	24.36	24.50	0
		1	2	24.28	24.38	24.33	24.50	0
		1	5	24.34	24.22	24.34	24.50	0
		3	0	23.35	23.41	23.40	24.50	0
		3	2	23.29	23.41	23.39	24.50	0
		3	3	23.27	23.28	23.40	24.50	0
		6	0	23.26	23.37	23.26	23.50	0-1
	16-QAM	1	0	23.39	23.32	23.25	23.50	0-1
		1	2	23.26	23.26	23.42	23.50	0-1
		1	5	23.37	23.33	23.39	23.50	0-1
		3	0	22.37	22.27	22.32	23.50	0-1
		3	2	22.26	22.23	22.32	23.50	0-1
		3	3	22.39	22.26	22.32	23.50	0-1
		6	0	22.34	22.40	22.32	22.50	0-2
	64-QAM	1	0	22.38	22.28	22.31	22.50	0-2
		1	2	22.28	22.25	22.30	22.50	0-2
		1	5	22.24	22.25	22.28	22.50	0-2
		3	0	21.23	21.39	21.40	22.50	0-2
		3	2	21.31	21.39	21.27	22.50	0-2
		3	3	21.25	21.39	21.23	22.50	0-2
		6	0	21.35	21.27	21.26	22.50	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	20.45			20.50	0
		1	25	20.35			20.50	0
		1	49	20.33			20.50	0
		25	0	19.21			19.50	0-1
		25	12	19.16			19.50	0-1
		25	25	19.14			19.50	0-1
		50	0	19.19			19.50	0-1
	16-QAM	1	0	19.33			19.50	0-1
		1	25	19.26			19.50	0-1
		1	49	19.17			19.50	0-1
		25	0	18.15			18.50	0-2
		25	12	18.16			18.50	0-2
		25	25	18.25			18.50	0-2
		50	0	18.16			18.50	0-2
	64-QAM	1	0	18.29			18.50	0-2
		1	25	18.23			18.50	0-2
		1	49	18.31			18.50	0-2
		25	0	17.15			17.50	0-3
		25	12	17.29			17.50	0-3
		25	25	17.26			17.50	0-3
		50	0	17.21			17.50	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	20.14	20.30	20.22	20.50	0
		1	12	20.30	20.22	20.24	20.50	0
		1	24	20.15	20.21	20.26	20.50	0
		12	0	19.23	19.28	19.25	19.50	0-1
		12	6	19.27	19.17	19.13	19.50	0-1
		12	13	19.30	19.29	19.14	19.50	0-1
		25	0	19.15	19.28	19.29	19.50	0-1
	16-QAM	1	0	19.18	19.21	19.17	19.50	0-1
		1	12	19.18	19.32	19.14	19.50	0-1
		1	24	19.30	19.30	19.13	19.50	0-1
		12	0	18.20	18.22	18.17	18.50	0-2
		12	6	18.29	18.23	18.14	18.50	0-2
		12	13	18.25	18.30	18.25	18.50	0-2
		25	0	18.25	18.14	18.19	18.50	0-2
	64-QAM	1	0	18.13	18.22	18.31	18.50	0-2
		1	12	18.23	18.20	18.25	18.50	0-2
		1	24	18.25	18.23	18.29	18.50	0-2
		12	0	17.19	17.21	17.15	17.50	0-3
		12	6	17.30	17.29	17.28	17.50	0-3
		12	13	17.16	17.16	17.23	17.50	0-3
		25	0	17.19	17.30	17.22	17.50	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	23.85	23.94	23.87	24.00	0
		1	50	23.82	23.83	23.81	24.00	0
		1	99	23.65	23.74	23.69	24.00	0
		50	0	22.72	22.73	22.72	23.00	0-1
		50	25	22.77	22.84	22.66	23.00	0-1
		50	50	22.70	22.70	22.83	23.00	0-1
		100	0	22.84	22.68	22.79	23.00	0-1
	16-QAM	1	0	22.68	22.76	22.74	23.00	0-1
		1	50	22.74	22.81	22.80	23.00	0-1
		1	99	22.69	22.77	22.71	23.00	0-1
		50	0	21.75	21.66	21.77	22.00	0-2
		50	25	21.76	21.75	21.82	22.00	0-2
		50	50	21.75	21.72	21.66	22.00	0-2
		100	0	21.72	21.69	21.69	22.00	0-2
	64-QAM	1	0	21.81	21.77	21.75	22.00	0-2
		1	50	21.85	21.76	21.66	22.00	0-2
		1	99	21.76	21.68	21.67	22.00	0-2
		50	0	20.70	20.84	20.65	21.00	0-3
		50	25	20.68	20.80	20.78	21.00	0-3
		50	50	20.79	20.78	20.75	21.00	0-3
		100	0	20.75	20.71	20.81	21.00	0-3
Frequency (MHz)				1717.5	1745	1772.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				132047	132322	132597		
15	QPSK	1	0	22.05	22.04	22.16	24.00	0
		1	36	22.10	22.19	22.17	24.00	0
		1	74	22.21	22.06	22.13	24.00	0
		36	0	21.05	21.18	21.22	23.00	0-1
		36	18	21.09	21.08	21.06	23.00	0-1
		36	37	21.16	21.09	21.11	23.00	0-1
		75	0	21.19	21.04	21.18	23.00	0-1
	16-QAM	1	0	21.18	21.21	21.21	23.00	0-1
		1	36	21.14	21.23	21.15	23.00	0-1
		1	74	21.08	21.18	21.09	23.00	0-1
		36	0	20.04	20.13	20.17	22.00	0-2
		36	18	20.15	20.12	20.12	22.00	0-2
		36	37	20.04	20.12	20.07	22.00	0-2
		75	0	20.07	20.10	20.05	22.00	0-2
	64-QAM	1	0	20.21	20.06	20.11	22.00	0-2
		1	36	20.21	20.22	20.07	22.00	0-2
		1	74	20.15	20.07	20.12	22.00	0-2
		36	0	19.18	19.22	19.13	21.00	0-3
		36	18	19.12	19.19	19.17	21.00	0-3
		36	37	19.15	19.03	19.08	21.00	0-3
		75	0	19.17	19.10	19.04	21.00	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	22.14	22.18	22.04	24.00	0
		1	25	22.11	22.06	22.18	24.00	0
		1	49	22.04	22.11	22.15	24.00	0
		25	0	21.14	21.07	21.15	23.00	0-1
		25	12	21.16	21.03	21.04	23.00	0-1
		25	25	21.03	21.07	21.22	23.00	0-1
		50	0	21.21	21.08	21.10	23.00	0-1
	16-QAM	1	0	21.13	21.09	21.17	23.00	0-1
		1	25	21.09	21.15	21.08	23.00	0-1
		1	49	21.13	21.20	21.10	23.00	0-1
		25	0	20.17	20.21	20.09	22.00	0-2
		25	12	20.04	20.08	20.19	22.00	0-2
		25	25	20.10	20.11	20.15	22.00	0-2
		50	0	20.16	20.21	20.14	22.00	0-2
	64-QAM	1	0	20.13	20.17	20.18	22.00	0-2
		1	25	20.03	20.06	20.22	22.00	0-2
		1	49	20.03	20.19	20.08	22.00	0-2
		25	0	19.13	19.08	19.07	21.00	0-3
		25	12	19.11	19.16	19.17	21.00	0-3
		25	25	19.15	19.03	19.21	21.00	0-3
		50	0	19.07	19.15	19.16	21.00	0-3
Frequency (MHz)				1712.5	1745	1777.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				131997	132322	132647		
5	QPSK	1	0	22.22	22.04	22.16	24.00	0
		1	12	22.07	22.22	22.07	24.00	0
		1	24	22.04	22.11	22.23	24.00	0
		12	0	21.15	21.04	21.14	23.00	0-1
		12	6	21.17	21.16	21.10	23.00	0-1
		12	13	21.14	21.15	21.12	23.00	0-1
		25	0	21.21	21.11	21.07	23.00	0-1
	16-QAM	1	0	21.17	21.04	21.04	23.00	0-1
		1	12	21.22	21.11	21.07	23.00	0-1
		1	24	21.22	21.06	21.18	23.00	0-1
		12	0	20.08	20.14	20.22	22.00	0-2
		12	6	20.11	20.15	20.13	22.00	0-2
		12	13	20.03	20.20	20.05	22.00	0-2
		25	0	20.14	20.07	20.14	22.00	0-2
	64-QAM	1	0	20.09	20.21	20.10	22.00	0-2
		1	12	20.21	20.15	20.06	22.00	0-2
		1	24	20.17	20.15	20.10	22.00	0-2
		12	0	19.15	19.18	19.09	21.00	0-3
		12	6	19.09	19.05	19.22	21.00	0-3
		12	13	19.07	19.11	19.10	21.00	0-3
		25	0	19.16	19.06	19.15	21.00	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	22.07	22.10	22.14	24.00	0
		1	7	22.16	22.22	22.13	24.00	0
		1	14	22.04	22.12	22.19	24.00	0
		8	0	21.06	21.06	21.13	23.00	0-1
		8	4	21.09	21.10	21.09	23.00	0-1
		8	7	21.14	21.19	21.13	23.00	0-1
		15	0	21.09	21.07	21.18	23.00	0-1
	16-QAM	1	0	21.10	21.14	21.14	23.00	0-1
		1	7	21.21	21.16	21.18	23.00	0-1
		1	14	21.20	21.11	21.05	23.00	0-1
		8	0	20.03	20.17	20.15	22.00	0-2
		8	4	20.20	20.21	20.06	22.00	0-2
		8	7	20.04	20.04	20.09	22.00	0-2
		15	0	20.05	20.11	20.08	22.00	0-2
	64-QAM	1	0	20.12	20.09	20.06	22.00	0-2
		1	7	20.20	20.18	20.19	22.00	0-2
		1	14	20.03	20.15	20.09	22.00	0-2
		8	0	19.13	19.11	19.08	21.00	0-3
		8	4	19.10	19.09	19.18	21.00	0-3
		8	7	19.08	19.04	19.20	21.00	0-3
		15	0	19.19	19.11	19.11	21.00	0-3
Frequency (MHz)				1710.7	1745	1779.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				131979	132322	132665		
1.4	QPSK	1	0	22.21	22.23	22.06	24.00	0
		1	2	22.23	22.13	22.18	24.00	0
		1	5	22.19	22.13	22.12	24.00	0
		3	0	22.09	22.04	22.06	24.00	0
		3	2	22.06	22.22	22.23	24.00	0
		3	3	22.19	22.07	22.08	24.00	0
		6	0	22.19	22.09	22.16	23.00	0-1
	16-QAM	1	0	22.10	22.20	22.13	23.00	0-1
		1	2	22.08	22.05	22.06	23.00	0-1
		1	5	22.07	22.10	22.16	23.00	0-1
		3	0	21.19	21.07	21.17	23.00	0-1
		3	2	21.04	21.20	21.21	23.00	0-1
		3	3	21.04	21.14	21.14	23.00	0-1
		6	0	21.21	21.05	21.11	22.00	0-2
	64-QAM	1	0	21.20	21.15	21.15	22.00	0-2
		1	2	21.06	21.14	21.22	22.00	0-2
		1	5	21.16	21.05	21.07	22.00	0-2
		3	0	20.05	20.06	20.17	22.00	0-2
		3	2	20.20	20.15	20.08	22.00	0-2
		3	3	20.19	20.19	20.05	22.00	0-2
		6	0	19.17	19.16	19.17	21.00	0-3

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1.3.4 Sensor off-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	24.35	24.42	24.31	24.50	0
		1	50	24.24	24.29	24.15	24.50	0
		1	99	24.11	24.14	24.21	24.50	0
		50	0	23.23	23.11	23.24	23.50	0-1
		50	25	23.30	23.16	23.18	23.50	0-1
		50	50	23.13	23.25	23.31	23.50	0-1
		100	0	23.27	23.26	23.13	23.50	0-1
	16-QAM	1	0	23.28	23.20	23.16	23.50	0-1
		1	50	23.25	23.28	23.16	23.50	0-1
		1	99	23.19	23.19	23.29	23.50	0-1
		50	0	22.31	22.15	22.18	22.50	0-2
		50	25	22.12	22.11	22.23	22.50	0-2
		50	50	22.13	22.23	22.24	22.50	0-2
		100	0	22.23	22.18	22.27	22.50	0-2
	64-QAM	1	0	22.22	22.13	22.29	22.50	0-2
		1	50	22.31	22.22	22.27	22.50	0-2
		1	99	22.29	22.25	22.18	22.50	0-2
		50	0	21.12	21.25	21.14	21.50	0-3
		50	25	21.15	21.21	21.11	21.50	0-3
		50	50	21.19	21.12	21.20	21.50	0-3
		100	0	21.20	21.11	21.21	21.50	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	22.80	22.83	22.84	24.50	0
		1	36	22.74	22.79	22.77	24.50	0
		1	74	22.80	22.90	22.85	24.50	0
		36	0	21.77	21.76	21.85	23.50	0-1
		36	18	21.80	21.78	21.81	23.50	0-1
		36	37	21.89	21.81	21.81	23.50	0-1
		75	0	21.82	21.79	21.79	23.50	0-1
	16-QAM	1	0	21.91	21.81	21.78	23.50	0-1
		1	36	21.90	21.80	21.77	23.50	0-1
		1	74	21.80	21.74	21.80	23.50	0-1
		36	0	20.75	20.85	20.86	22.50	0-2
		36	18	20.73	20.80	20.80	22.50	0-2
		36	37	20.79	20.78	20.80	22.50	0-2
		75	0	20.91	20.89	20.83	22.50	0-2
	64-QAM	1	0	20.78	20.91	20.89	22.50	0-2
		1	36	20.82	20.82	20.87	22.50	0-2
		1	74	20.82	20.77	20.87	22.50	0-2
		36	0	19.85	19.86	19.87	21.50	0-3
		36	18	19.79	19.88	19.82	21.50	0-3
		36	37	19.86	19.90	19.75	21.50	0-3
		75	0	19.72	19.75	19.87	21.50	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	22.73	22.77	22.76	24.50	0
		1	25	22.80	22.86	22.88	24.50	0
		1	49	22.81	22.82	22.88	24.50	0
		25	0	21.87	21.84	21.89	23.50	0-1
		25	12	21.81	21.75	21.79	23.50	0-1
		25	25	21.80	21.77	21.73	23.50	0-1
		50	0	21.82	21.80	21.85	23.50	0-1
	16-QAM	1	0	21.87	21.77	21.75	23.50	0-1
		1	25	21.72	21.82	21.90	23.50	0-1
		1	49	21.74	21.78	21.85	23.50	0-1
		25	0	20.85	20.91	20.91	22.50	0-2
		25	12	20.78	20.81	20.73	22.50	0-2
		25	25	20.79	20.76	20.76	22.50	0-2
		50	0	20.80	20.89	20.87	22.50	0-2
	64-QAM	1	0	20.86	20.72	20.81	22.50	0-2
		1	25	20.84	20.81	20.90	22.50	0-2
		1	49	20.84	20.90	20.86	22.50	0-2
		25	0	19.75	19.84	19.78	21.50	0-3
		25	12	19.86	19.86	19.71	21.50	0-3
		25	25	19.82	19.88	19.75	21.50	0-3
		50	0	19.82	19.85	19.77	21.50	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	22.79	22.80	22.90	24.50	0
		1	12	22.77	22.81	22.83	24.50	0
		1	24	22.75	22.78	22.83	24.50	0
		12	0	21.77	21.84	21.72	23.50	0-1
		12	6	21.71	21.79	21.79	23.50	0-1
		12	13	21.85	21.88	21.78	23.50	0-1
		25	0	21.91	21.83	21.78	23.50	0-1
	16-QAM	1	0	21.76	21.88	21.76	23.50	0-1
		1	12	21.77	21.87	21.89	23.50	0-1
		1	24	21.85	21.73	21.78	23.50	0-1
		12	0	20.73	20.83	20.89	22.50	0-2
		12	6	20.83	20.79	20.87	22.50	0-2
		12	13	20.79	20.83	20.76	22.50	0-2
		25	0	20.81	20.83	20.88	22.50	0-2
	64-QAM	1	0	20.84	20.85	20.81	22.50	0-2
		1	12	20.82	20.82	20.86	22.50	0-2
		1	24	20.84	20.89	20.91	22.50	0-2
		12	0	19.87	19.72	19.90	21.50	0-3
		12	6	19.78	19.88	19.72	21.50	0-3
		12	13	19.76	19.89	19.82	21.50	0-3
		25	0	19.79	19.90	19.78	21.50	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	24.47	24.34	24.42	24.31	24.32	24.50	0
		1	50	24.20	24.24	24.27	24.13	24.17	24.50	0
		1	99	24.29	24.15	24.15	24.23	24.11	24.50	0
		50	0	23.16	23.23	23.20	23.12	23.18	23.50	0-1
		50	25	23.21	23.21	23.23	23.21	23.22	23.50	0-1
		50	50	23.15	23.24	23.15	23.16	23.14	23.50	0-1
		100	0	23.31	23.22	23.29	23.30	23.14	23.50	0-1
	16-QAM	1	0	23.26	23.16	23.17	23.27	23.13	23.50	0-1
		1	50	23.13	23.19	23.19	23.27	23.21	23.50	0-1
		1	99	23.26	23.30	23.24	23.29	23.16	23.50	0-1
		50	0	22.29	22.17	22.21	22.22	22.27	22.50	0-2
		50	25	22.13	22.12	22.29	22.23	22.21	22.50	0-2
		50	50	22.15	22.15	22.18	22.28	22.12	22.50	0-2
		100	0	22.29	22.20	22.24	22.21	22.29	22.50	0-2
	64-QAM	1	0	22.28	22.18	22.27	22.26	22.23	22.50	0-2
		1	50	22.30	22.27	22.22	22.19	22.11	22.50	0-2
		1	99	22.22	22.22	22.21	22.15	22.11	22.50	0-2
		50	0	21.29	21.16	21.25	21.20	21.22	21.50	0-3
		50	25	21.30	21.14	21.20	21.15	21.16	21.50	0-3
		50	50	21.29	21.14	21.30	21.18	21.31	21.50	0-3
		100	0	21.22	21.26	21.28	21.12	21.21	21.50	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	22.75	22.74	22.67	22.81	22.83	24.50	0
		1	36	22.68	22.76	22.68	22.71	22.74	24.50	0
		1	74	22.82	22.76	22.84	22.70	22.78	24.50	0
		36	0	21.66	21.85	21.84	21.76	21.80	23.50	0-1
		36	18	21.75	21.78	21.74	21.77	21.69	23.50	0-1
		36	37	21.76	21.71	21.68	21.73	21.85	23.50	0-1
		75	0	21.69	21.66	21.86	21.72	21.72	23.50	0-1
	16-QAM	1	0	21.73	21.77	21.75	21.81	21.71	23.50	0-1
		1	36	21.79	21.68	21.80	21.78	21.72	23.50	0-1
		1	74	21.78	21.77	21.76	21.85	21.83	23.50	0-1
		36	0	20.72	20.83	20.70	20.76	20.80	22.50	0-2
		36	18	20.74	20.85	20.73	20.68	20.71	22.50	0-2
		36	37	20.77	20.66	20.80	20.77	20.67	22.50	0-2
		75	0	20.84	20.86	20.81	20.72	20.79	22.50	0-2
	64-QAM	1	0	20.83	20.82	20.69	20.77	20.77	22.50	0-2
		1	36	20.69	20.78	20.82	20.73	20.85	22.50	0-2
		1	74	20.72	20.71	20.81	20.85	20.72	22.50	0-2
		36	0	19.86	19.83	19.76	19.69	19.72	21.50	0-3
		36	18	19.76	19.72	19.74	19.70	19.67	21.50	0-3
		36	37	19.83	19.68	19.67	19.86	19.76	21.50	0-3
		75	0	19.79	19.70	19.75	19.72	19.71	21.50	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	22.71	22.67	22.64	22.64	22.76	24.50	0
		1	25	22.78	22.70	22.74	22.79	22.67	24.50	0
		1	49	22.64	22.71	22.68	22.69	22.78	24.50	0
		25	0	21.72	21.64	21.75	21.68	21.77	23.50	0-1
		25	12	21.62	21.73	21.63	21.80	21.69	23.50	0-1
		25	25	21.65	21.66	21.65	21.68	21.78	23.50	0-1
		50	0	21.70	21.63	21.69	21.67	21.72	23.50	0-1
	16-QAM	1	0	21.61	21.66	21.74	21.78	21.72	23.50	0-1
		1	25	21.81	21.77	21.77	21.68	21.75	23.50	0-1
		1	49	21.63	21.67	21.78	21.81	21.64	23.50	0-1
		25	0	20.66	20.76	20.70	20.78	20.61	22.50	0-2
		25	12	20.75	20.64	20.65	20.64	20.77	22.50	0-2
		25	25	20.65	20.67	20.77	20.70	20.73	22.50	0-2
		50	0	20.76	20.62	20.68	20.69	20.61	22.50	0-2
	64-QAM	1	0	20.73	20.69	20.65	20.71	20.76	22.50	0-2
		1	25	20.75	20.73	20.75	20.74	20.66	22.50	0-2
		1	49	20.62	20.70	20.64	20.70	20.67	22.50	0-2
		25	0	19.74	19.71	19.80	19.75	19.64	21.50	0-3
		25	12	19.79	19.73	19.80	19.66	19.66	21.50	0-3
		25	25	19.69	19.73	19.80	19.67	19.76	21.50	0-3
		50	0	19.71	19.67	19.74	19.65	19.73	21.50	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	22.70	22.71	22.78	22.70	22.75	24.50	0
		1	12	22.69	22.68	22.83	22.68	22.76	24.50	0
		1	24	22.70	22.65	22.75	22.71	22.65	24.50	0
		12	0	21.80	21.70	21.70	21.75	21.71	23.50	0-1
		12	6	21.73	21.82	21.66	21.71	21.82	23.50	0-1
		12	13	21.76	21.72	21.80	21.70	21.66	23.50	0-1
		25	0	21.69	21.71	21.66	21.71	21.68	23.50	0-1
	16-QAM	1	0	21.73	21.74	21.72	21.81	21.81	23.50	0-1
		1	12	21.75	21.77	21.74	21.68	21.70	23.50	0-1
		1	24	21.68	21.70	21.74	21.81	21.78	23.50	0-1
		12	0	20.76	20.80	20.83	20.79	20.79	22.50	0-2
		12	6	20.71	20.71	20.83	20.68	20.82	22.50	0-2
		12	13	20.73	20.68	20.79	20.73	20.72	22.50	0-2
		25	0	20.69	20.64	20.75	20.72	20.67	22.50	0-2
	64-QAM	1	0	20.69	20.75	20.70	20.70	20.74	22.50	0-2
		1	12	20.83	20.71	20.72	20.64	20.73	22.50	0-2
		1	24	20.73	20.78	20.66	20.79	20.65	22.50	0-2
		12	0	19.83	19.77	19.78	19.74	19.73	21.50	0-3
		12	6	19.67	19.70	19.64	19.76	19.69	21.50	0-3
		12	13	19.74	19.81	19.66	19.65	19.81	21.50	0-3
		25	0	19.71	19.84	19.66	19.83	19.78	21.50	0-3

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1.3.5 Sensor on-LTE FDD

Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 25 / Band 26 / Band 30 / Band 66 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	16.81	16.85	16.94	17.00	0
		1	50	16.69	16.76	16.77	17.00	0
		1	99	16.70	16.68	16.75	17.00	0
		50	0	15.81	15.82	15.80	16.00	0-1
		50	25	15.64	15.72	15.65	16.00	0-1
		50	50	15.71	15.68	15.79	16.00	0-1
		100	0	15.81	15.77	15.83	16.00	0-1
	16-QAM	1	0	15.73	15.61	15.68	16.00	0-1
		1	50	15.67	15.73	15.75	16.00	0-1
		1	99	15.70	15.61	15.78	16.00	0-1
		50	0	14.70	14.68	14.79	15.00	0-2
		50	25	14.75	14.63	14.78	15.00	0-2
		50	50	14.71	14.62	14.71	15.00	0-2
		100	0	14.77	14.72	14.74	15.00	0-2
	64-QAM	1	0	14.75	14.68	14.79	15.00	0-2
		1	50	14.70	14.66	14.76	15.00	0-2
		1	99	14.65	14.64	14.64	15.00	0-2
		50	0	13.68	13.75	13.79	14.00	0-3
		50	25	13.73	13.70	13.81	14.00	0-3
		50	50	13.73	13.62	13.72	14.00	0-3
		100	0	13.63	13.67	13.65	14.00	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	16.72	16.68	16.70	17.00	0
		1	36	16.75	16.68	16.67	17.00	0
		1	74	16.65	16.75	16.79	17.00	0
		36	0	15.69	15.64	15.72	16.00	0-1
		36	18	15.72	15.68	15.71	16.00	0-1
		36	37	15.68	15.64	15.78	16.00	0-1
		75	0	15.63	15.65	15.62	16.00	0-1
	16-QAM	1	0	15.77	15.81	15.62	16.00	0-1
		1	36	15.63	15.75	15.75	16.00	0-1
		1	74	15.79	15.72	15.70	16.00	0-1
		36	0	14.65	14.63	14.65	15.00	0-2
		36	18	14.73	14.73	14.72	15.00	0-2
		36	37	14.75	14.69	14.66	15.00	0-2
		75	0	14.75	14.77	14.77	15.00	0-2
	64-QAM	1	0	14.73	14.76	14.69	15.00	0-2
		1	36	14.72	14.65	14.62	15.00	0-2
		1	74	14.66	14.77	14.72	15.00	0-2
		36	0	13.63	13.65	13.75	14.00	0-3
		36	18	13.76	13.62	13.63	14.00	0-3
		36	37	13.72	13.74	13.65	14.00	0-3
		75	0	13.76	13.69	13.61	14.00	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	16.70	16.61	16.76	17.00	0
		1	25	16.72	16.70	16.63	17.00	0
		1	49	16.77	16.69	16.75	17.00	0
		25	0	15.63	15.72	15.81	16.00	0-1
		25	12	15.70	15.69	15.68	16.00	0-1
		25	25	15.62	15.77	15.71	16.00	0-1
		50	0	15.62	15.69	15.81	16.00	0-1
	16-QAM	1	0	15.64	15.64	15.73	16.00	0-1
		1	25	15.76	15.62	15.76	16.00	0-1
		1	49	15.74	15.63	15.64	16.00	0-1
		25	0	14.75	14.70	14.62	15.00	0-2
		25	12	14.65	14.78	14.65	15.00	0-2
		25	25	14.70	14.81	14.62	15.00	0-2
		50	0	14.71	14.76	14.70	15.00	0-2
	64-QAM	1	0	14.62	14.77	14.62	15.00	0-2
		1	25	14.72	14.66	14.77	15.00	0-2
		1	49	14.72	14.78	14.79	15.00	0-2
		25	0	13.66	13.77	13.70	14.00	0-3
		25	12	13.69	13.80	13.65	14.00	0-3
		25	25	13.76	13.63	13.66	14.00	0-3
		50	0	13.70	13.73	13.68	14.00	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	16.61	16.75	16.77	17.00	0
		1	12	16.62	16.75	16.69	17.00	0
		1	24	16.65	16.62	16.66	17.00	0
		12	0	15.77	15.70	15.64	16.00	0-1
		12	6	15.81	15.79	15.77	16.00	0-1
		12	13	15.73	15.79	15.78	16.00	0-1
		25	0	15.76	15.70	15.70	16.00	0-1
	16-QAM	1	0	15.71	15.68	15.61	16.00	0-1
		1	12	15.66	15.65	15.76	16.00	0-1
		1	24	15.73	15.68	15.65	16.00	0-1
		12	0	14.73	14.81	14.65	15.00	0-2
		12	6	14.63	14.76	14.70	15.00	0-2
		12	13	14.67	14.62	14.72	15.00	0-2
		25	0	14.71	14.68	14.77	15.00	0-2
	64-QAM	1	0	14.80	14.73	14.66	15.00	0-2
		1	12	14.75	14.66	14.75	15.00	0-2
		1	24	14.64	14.71	14.76	15.00	0-2
		12	0	13.77	13.67	13.64	14.00	0-3
		12	6	13.66	13.76	13.63	14.00	0-3
		12	13	13.71	13.68	13.69	14.00	0-3
		25	0	13.78	13.71	13.64	14.00	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	16.81	16.80	16.66	17.00	0
		1	12	16.69	16.70	16.81	17.00	0
		1	24	16.68	16.71	16.66	17.00	0
		12	0	15.73	15.68	15.79	16.00	0-1
		12	6	15.64	15.66	15.75	16.00	0-1
		12	13	15.66	15.76	15.64	16.00	0-1
		25	0	15.80	15.77	15.65	16.00	0-1
	16-QAM	1	0	15.76	15.77	15.68	16.00	0-1
		1	12	15.74	15.77	15.79	16.00	0-1
		1	24	15.61	15.80	15.62	16.00	0-1
		12	0	14.68	14.74	14.74	15.00	0-2
		12	6	14.70	14.75	14.71	15.00	0-2
		12	13	14.64	14.71	14.65	15.00	0-2
		25	0	14.67	14.64	14.62	15.00	0-2
	64-QAM	1	0	14.74	14.66	14.61	15.00	0-2
		1	12	14.73	14.64	14.73	15.00	0-2
		1	24	14.74	14.78	14.78	15.00	0-2
		12	0	13.68	13.68	13.62	14.00	0-3
		12	6	13.65	13.74	13.74	14.00	0-3
		12	13	13.64	13.76	13.73	14.00	0-3
		25	0	13.75	13.63	13.81	14.00	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	16.73	16.79	16.70	17.00	0
		1	12	16.72	16.78	16.71	17.00	0
		1	24	16.74	16.79	16.66	17.00	0
		12	0	15.73	15.61	15.71	16.00	0-1
		12	6	15.80	15.66	15.69	16.00	0-1
		12	13	15.64	15.69	15.76	16.00	0-1
		25	0	15.71	15.65	15.81	16.00	0-1
	16-QAM	1	0	15.78	15.64	15.69	16.00	0-1
		1	12	15.71	15.78	15.80	16.00	0-1
		1	24	15.79	15.76	15.63	16.00	0-1
		12	0	14.63	14.77	14.74	15.00	0-2
		12	6	14.72	14.61	14.63	15.00	0-2
		12	13	14.62	14.69	14.65	15.00	0-2
		25	0	14.63	14.74	14.78	15.00	0-2
	64-QAM	1	0	14.61	14.68	14.76	15.00	0-2
		1	12	14.75	14.80	14.61	15.00	0-2
		1	24	14.72	14.61	14.77	15.00	0-2
		12	0	13.65	13.65	13.71	14.00	0-3
		12	6	13.72	13.76	13.61	14.00	0-3
		12	13	13.63	13.65	13.67	14.00	0-3
		25	0	13.77	13.73	13.68	14.00	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	15.49	15.41	15.42	15.50	0
		1	50	15.34	15.32	15.25	15.50	0
		1	99	15.36	15.31	15.22	15.50	0
		50	0	14.34	14.23	14.29	14.50	0-1
		50	25	14.32	14.39	14.28	14.50	0-1
		50	50	14.37	14.34	14.29	14.50	0-1
		100	0	14.37	14.36	14.36	14.50	0-1
	16-QAM	1	0	14.35	14.22	14.23	14.50	0-1
		1	50	14.28	14.27	14.22	14.50	0-1
		1	99	14.35	14.41	14.40	14.50	0-1
		50	0	13.31	13.36	13.26	13.50	0-2
		50	25	13.38	13.40	13.26	13.50	0-2
		50	50	13.28	13.31	13.40	13.50	0-2
		100	0	13.32	13.33	13.34	13.50	0-2
	64-QAM	1	0	13.21	13.38	13.25	13.50	0-2
		1	50	13.27	13.33	13.35	13.50	0-2
		1	99	13.27	13.38	13.31	13.50	0-2
		50	0	12.38	12.24	12.22	12.50	0-3
		50	25	12.23	12.40	12.31	12.50	0-3
		50	50	12.41	12.27	12.30	12.50	0-3
		100	0	12.22	12.32	12.34	12.50	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	15.25	15.37	15.29	15.50	0
		1	36	15.30	15.25	15.24	15.50	0
		1	74	15.38	15.31	15.26	15.50	0
		36	0	14.41	14.27	14.27	14.50	0-1
		36	18	14.32	14.25	14.38	14.50	0-1
		36	37	14.38	14.24	14.29	14.50	0-1
		75	0	14.22	14.40	14.28	14.50	0-1
	16-QAM	1	0	14.36	14.35	14.34	14.50	0-1
		1	36	14.29	14.28	14.28	14.50	0-1
		1	74	14.40	14.40	14.26	14.50	0-1
		36	0	13.25	13.34	13.26	13.50	0-2
		36	18	13.25	13.29	13.36	13.50	0-2
		36	37	13.31	13.38	13.34	13.50	0-2
		75	0	13.35	13.22	13.24	13.50	0-2
	64-QAM	1	0	13.31	13.25	13.31	13.50	0-2
		1	36	13.32	13.33	13.32	13.50	0-2
		1	74	13.27	13.29	13.26	13.50	0-2
		36	0	12.37	12.29	12.25	12.50	0-3
		36	18	12.26	12.38	12.28	12.50	0-3
		36	37	12.36	12.39	12.27	12.50	0-3
		75	0	12.30	12.38	12.32	12.50	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	15.25	15.39	15.28	15.50	0
		1	25	15.39	15.24	15.22	15.50	0
		1	49	15.23	15.38	15.28	15.50	0
		25	0	14.40	14.29	14.35	14.50	0-1
		25	12	14.28	14.38	14.30	14.50	0-1
		25	25	14.41	14.35	14.27	14.50	0-1
		50	0	14.25	14.27	14.40	14.50	0-1
	16-QAM	1	0	14.27	14.26	14.23	14.50	0-1
		1	25	14.30	14.27	14.36	14.50	0-1
		1	49	14.40	14.23	14.23	14.50	0-1
		25	0	13.24	13.24	13.23	13.50	0-2
		25	12	13.36	13.24	13.36	13.50	0-2
		25	25	13.41	13.38	13.30	13.50	0-2
		50	0	13.24	13.24	13.40	13.50	0-2
	64-QAM	1	0	13.38	13.35	13.32	13.50	0-2
		1	25	13.26	13.41	13.38	13.50	0-2
		1	49	13.27	13.24	13.32	13.50	0-2
		25	0	12.34	12.30	12.31	12.50	0-3
		25	12	12.26	12.26	12.40	12.50	0-3
		25	25	12.23	12.32	12.26	12.50	0-3
		50	0	12.40	12.26	12.29	12.50	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	15.41	15.29	15.22	15.50	0
		1	12	15.22	15.39	15.33	15.50	0
		1	24	15.34	15.27	15.23	15.50	0
		12	0	14.25	14.26	14.24	14.50	0-1
		12	6	14.27	14.25	14.32	14.50	0-1
		12	13	14.22	14.31	14.25	14.50	0-1
		25	0	14.30	14.25	14.33	14.50	0-1
	16-QAM	1	0	14.24	14.29	14.39	14.50	0-1
		1	12	14.35	14.40	14.39	14.50	0-1
		1	24	14.32	14.31	14.40	14.50	0-1
		12	0	13.31	13.31	13.38	13.50	0-2
		12	6	13.28	13.24	13.25	13.50	0-2
		12	13	13.33	13.22	13.34	13.50	0-2
		25	0	13.34	13.40	13.36	13.50	0-2
	64-QAM	1	0	13.28	13.24	13.32	13.50	0-2
		1	12	13.35	13.35	13.35	13.50	0-2
		1	24	13.30	13.26	13.25	13.50	0-2
		12	0	12.38	12.28	12.36	12.50	0-3
		12	6	12.39	12.24	12.38	12.50	0-3
		12	13	12.37	12.24	12.28	12.50	0-3
		25	0	12.35	12.30	12.24	12.50	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	15.40	15.34	15.26	15.50	0
		1	7	15.41	15.33	15.39	15.50	0
		1	14	15.40	15.31	15.28	15.50	0
		8	0	14.30	14.33	14.39	14.50	0-1
		8	4	14.39	14.34	14.33	14.50	0-1
		8	7	14.33	14.38	14.29	14.50	0-1
		15	0	14.21	14.30	14.22	14.50	0-1
	16-QAM	1	0	14.28	14.28	14.30	14.50	0-1
		1	7	14.24	14.26	14.38	14.50	0-1
		1	14	14.35	14.22	14.32	14.50	0-1
		8	0	13.34	13.28	13.28	13.50	0-2
		8	4	13.41	13.34	13.24	13.50	0-2
		8	7	13.22	13.37	13.29	13.50	0-2
		15	0	13.32	13.39	13.36	13.50	0-2
	64-QAM	1	0	13.40	13.31	13.21	13.50	0-2
		1	7	13.36	13.37	13.34	13.50	0-2
		1	14	13.25	13.22	13.33	13.50	0-2
		8	0	12.30	12.27	12.32	12.50	0-3
		8	4	12.24	12.28	12.23	12.50	0-3
		8	7	12.33	12.36	12.28	12.50	0-3
		15	0	12.41	12.23	12.33	12.50	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	15.25	15.25	15.22	15.50	0
		1	2	15.36	15.38	15.40	15.50	0
		1	5	15.39	15.32	15.23	15.50	0
		3	0	14.24	14.32	14.28	15.50	0
		3	2	14.40	14.38	14.27	15.50	0
		3	3	14.21	14.39	14.37	15.50	0
		6	0	14.24	14.33	14.38	14.50	0-1
	16-QAM	1	0	14.34	14.31	14.23	14.50	0-1
		1	2	14.40	14.41	14.33	14.50	0-1
		1	5	14.26	14.37	14.40	14.50	0-1
		3	0	13.24	13.27	13.40	14.50	0-1
		3	2	13.35	13.29	13.28	14.50	0-1
		3	3	13.27	13.34	13.29	14.50	0-1
		6	0	13.24	13.21	13.39	13.50	0-2
	64-QAM	1	0	13.28	13.31	13.26	13.50	0-2
		1	2	13.38	13.36	13.30	13.50	0-2
		1	5	13.34	13.41	13.25	13.50	0-2
		3	0	12.33	12.23	12.29	13.50	0-2
		3	2	12.24	12.39	12.27	13.50	0-2
		3	3	12.27	12.36	12.30	13.50	0-2
		6	0	12.32	12.40	12.36	12.50	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	17.41	17.49	17.42	17.50	0
		1	25	17.29	17.27	17.40	17.50	0
		1	49	17.33	17.23	17.32	17.50	0
		25	0	16.38	16.36	16.32	16.50	0-1
		25	12	16.39	16.38	16.23	16.50	0-1
		25	25	16.33	16.21	16.25	16.50	0-1
		50	0	16.31	16.23	16.29	16.50	0-1
	16-QAM	1	0	16.20	16.28	16.24	16.50	0-1
		1	25	16.33	16.37	16.30	16.50	0-1
		1	49	16.35	16.36	16.34	16.50	0-1
		25	0	15.40	15.32	15.34	15.50	0-2
		25	12	15.26	15.24	15.32	15.50	0-2
		25	25	15.28	15.26	15.29	15.50	0-2
		50	0	15.35	15.39	15.35	15.50	0-2
	64-QAM	1	0	15.36	15.29	15.30	15.50	0-2
		1	25	15.39	15.40	15.25	15.50	0-2
		1	49	15.32	15.37	15.22	15.50	0-2
		25	0	14.33	14.23	14.34	14.50	0-3
		25	12	14.23	14.39	14.32	14.50	0-3
		25	25	14.29	14.30	14.39	14.50	0-3
		50	0	14.26	14.25	14.29	14.50	0-3
Frequency (MHz)				826.5	836.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20425	20525	20625		
5	QPSK	1	0	17.40	17.33	17.35	17.50	0
		1	12	17.25	17.24	17.21	17.50	0
		1	24	17.31	17.27	17.29	17.50	0
		12	0	16.39	16.34	16.39	16.50	0-1
		12	6	16.39	16.25	16.35	16.50	0-1
		12	13	16.25	16.39	16.29	16.50	0-1
		25	0	16.37	16.33	16.32	16.50	0-1
	16-QAM	1	0	16.39	16.39	16.25	16.50	0-1
		1	12	16.27	16.21	16.34	16.50	0-1
		1	24	16.36	16.32	16.36	16.50	0-1
		12	0	15.21	15.29	15.25	15.50	0-2
		12	6	15.29	15.29	15.23	15.50	0-2
		12	13	15.28	15.28	15.36	15.50	0-2
		25	0	15.21	15.21	15.27	15.50	0-2
	64-QAM	1	0	15.32	15.36	15.25	15.50	0-2
		1	12	15.29	15.29	15.31	15.50	0-2
		1	24	15.29	15.20	15.22	15.50	0-2
		12	0	14.33	14.31	14.32	14.50	0-3
		12	6	14.22	14.33	14.20	14.50	0-3
		12	13	14.26	14.29	14.38	14.50	0-3
		25	0	14.37	14.34	14.21	14.50	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)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	17.21	17.30	17.28	17.50	0
		1	7	17.25	17.35	17.29	17.50	0
		1	14	17.25	17.30	17.24	17.50	0
		8	0	16.31	16.32	16.33	16.50	0-1
		8	4	16.28	16.39	16.24	16.50	0-1
		8	7	16.30	16.29	16.33	16.50	0-1
		15	0	16.39	16.37	16.30	16.50	0-1
	16-QAM	1	0	16.31	16.34	16.31	16.50	0-1
		1	7	16.31	16.32	16.36	16.50	0-1
		1	14	16.21	16.25	16.36	16.50	0-1
		8	0	15.33	15.40	15.38	15.50	0-2
		8	4	15.33	15.29	15.30	15.50	0-2
		8	7	15.24	15.39	15.25	15.50	0-2
		15	0	15.38	15.20	15.25	15.50	0-2
	64-QAM	1	0	15.30	15.23	15.32	15.50	0-2
		1	7	15.39	15.35	15.29	15.50	0-2
		1	14	15.38	15.22	15.30	15.50	0-2
		8	0	14.25	14.25	14.40	14.50	0-3
		8	4	14.36	14.37	14.20	14.50	0-3
		8	7	14.37	14.40	14.34	14.50	0-3
		15	0	14.23	14.31	14.26	14.50	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	17.36	17.26	17.38	17.50	0
		1	2	17.21	17.24	17.36	17.50	0
		1	5	17.22	17.39	17.34	17.50	0
		3	0	16.31	16.25	16.33	17.50	0
		3	2	16.33	16.28	16.34	17.50	0
		3	3	16.20	16.37	16.39	17.50	0
		6	0	16.24	16.29	16.38	16.50	0-1
	16-QAM	1	0	16.38	16.30	16.26	16.50	0-1
		1	2	16.40	16.35	16.22	16.50	0-1
		1	5	16.40	16.23	16.36	16.50	0-1
		3	0	15.36	15.39	15.24	16.50	0-1
		3	2	15.35	15.26	15.35	16.50	0-1
		3	3	15.39	15.23	15.22	16.50	0-1
		6	0	15.29	15.37	15.38	15.50	0-2
	64-QAM	1	0	15.32	15.22	15.24	15.50	0-2
		1	2	15.34	15.29	15.33	15.50	0-2
		1	5	15.27	15.31	15.26	15.50	0-2
		3	0	14.33	14.36	14.29	15.50	0-2
		3	2	14.31	14.39	14.21	15.50	0-2
		3	3	14.20	14.21	14.36	15.50	0-2
		6	0	14.35	14.39	14.25	14.50	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)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	13.88	13.92	13.96	14.00	0
		1	50	13.74	13.76	13.87	14.00	0
		1	99	13.79	13.77	13.84	14.00	0
		50	0	12.85	12.86	12.82	13.00	0-1
		50	25	12.76	12.83	12.83	13.00	0-1
		50	50	12.67	12.85	12.73	13.00	0-1
		100	0	12.76	12.81	12.82	13.00	0-1
	16-QAM	1	0	12.81	12.71	12.70	13.00	0-1
		1	50	12.84	12.84	12.73	13.00	0-1
		1	99	12.72	12.79	12.81	13.00	0-1
		50	0	11.68	11.77	11.77	12.00	0-2
		50	25	11.81	11.81	11.72	12.00	0-2
		50	50	11.68	11.84	11.86	12.00	0-2
		100	0	11.72	11.80	11.81	12.00	0-2
	64-QAM	1	0	11.83	11.70	11.76	12.00	0-2
		1	50	11.84	11.73	11.67	12.00	0-2
		1	99	11.78	11.81	11.69	12.00	0-2
		50	0	10.78	10.75	10.76	11.00	0-3
		50	25	10.82	10.86	10.74	11.00	0-3
		50	50	10.81	10.74	10.75	11.00	0-3
		100	0	10.75	10.74	10.84	11.00	0-3
Frequency (MHz)				2507.5	2535	2562.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20825	21100	21375		
15	QPSK	1	0	13.86	13.81	13.78	14.00	0
		1	36	13.76	13.85	13.85	14.00	0
		1	74	13.73	13.77	13.78	14.00	0
		36	0	12.80	12.78	12.86	13.00	0-1
		36	18	12.81	12.80	12.71	13.00	0-1
		36	37	12.77	12.70	12.86	13.00	0-1
		75	0	12.68	12.71	12.75	13.00	0-1
	16-QAM	1	0	12.73	12.79	12.87	13.00	0-1
		1	36	12.82	12.79	12.73	13.00	0-1
		1	74	12.85	12.78	12.69	13.00	0-1
		36	0	11.80	11.67	11.77	12.00	0-2
		36	18	11.83	11.74	11.85	12.00	0-2
		36	37	11.70	11.71	11.79	12.00	0-2
		75	0	11.80	11.85	11.78	12.00	0-2
	64-QAM	1	0	11.81	11.75	11.84	12.00	0-2
		1	36	11.85	11.72	11.84	12.00	0-2
		1	74	11.69	11.83	11.84	12.00	0-2
		36	0	10.67	10.84	10.67	11.00	0-3
		36	18	10.80	10.84	10.85	11.00	0-3
		36	37	10.73	10.75	10.73	11.00	0-3
		75	0	10.83	10.85	10.86	11.00	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)				2505	2535	2565		
Channel				20800	21100	21400		
10	QPSK	1	0	13.80	13.85	13.79	14.00	0
		1	25	13.82	13.72	13.76	14.00	0
		1	49	13.75	13.75	13.67	14.00	0
		25	0	12.82	12.80	12.72	13.00	0-1
		25	12	12.75	12.79	12.85	13.00	0-1
		25	25	12.78	12.76	12.74	13.00	0-1
		50	0	12.77	12.85	12.70	13.00	0-1
	16-QAM	1	0	12.74	12.68	12.75	13.00	0-1
		1	25	12.75	12.67	12.74	13.00	0-1
		1	49	12.78	12.87	12.87	13.00	0-1
		25	0	11.78	11.75	11.79	12.00	0-2
		25	12	11.86	11.75	11.85	12.00	0-2
		25	25	11.80	11.68	11.73	12.00	0-2
		50	0	11.67	11.78	11.75	12.00	0-2
	64-QAM	1	0	11.68	11.85	11.76	12.00	0-2
		1	25	11.68	11.84	11.72	12.00	0-2
		1	49	11.86	11.69	11.71	12.00	0-2
		25	0	10.75	10.81	10.70	11.00	0-3
		25	12	10.77	10.75	10.84	11.00	0-3
		25	25	10.70	10.83	10.67	11.00	0-3
		50	0	10.81	10.72	10.67	11.00	0-3
Frequency (MHz)				2502.5	2535	2567.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				20775	21100	21425		
5	QPSK	1	0	13.80	13.73	13.85	14.00	0
		1	12	13.79	13.87	13.86	14.00	0
		1	24	13.75	13.71	13.77	14.00	0
		12	0	12.73	12.76	12.83	13.00	0-1
		12	6	12.78	12.69	12.79	13.00	0-1
		12	13	12.84	12.85	12.77	13.00	0-1
		25	0	12.78	12.75	12.68	13.00	0-1
	16-QAM	1	0	12.75	12.87	12.71	13.00	0-1
		1	12	12.80	12.79	12.75	13.00	0-1
		1	24	12.72	12.68	12.82	13.00	0-1
		12	0	11.69	11.81	11.71	12.00	0-2
		12	6	11.72	11.76	11.67	12.00	0-2
		12	13	11.79	11.79	11.81	12.00	0-2
		25	0	11.73	11.75	11.78	12.00	0-2
	64-QAM	1	0	11.77	11.86	11.78	12.00	0-2
		1	12	11.80	11.71	11.78	12.00	0-2
		1	24	11.84	11.71	11.83	12.00	0-2
		12	0	10.83	10.80	10.73	11.00	0-3
		12	6	10.70	10.72	10.71	11.00	0-3
		12	13	10.81	10.83	10.78	11.00	0-3
		25	0	10.74	10.77	10.75	11.00	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)				704	707.5	711		
Channel				23060	23095	23130		
10	QPSK	1	0	17.89	17.91	17.98	18.00	0
		1	25	17.75	17.73	17.80	18.00	0
		1	49	17.73	17.75	17.70	18.00	0
		25	0	16.70	16.79	16.69	17.00	0-1
		25	12	16.68	16.79	16.76	17.00	0-1
		25	25	16.84	16.82	16.88	17.00	0-1
		50	0	16.84	16.87	16.89	17.00	0-1
	16-QAM	1	0	16.77	16.82	16.74	17.00	0-1
		1	25	16.78	16.87	16.75	17.00	0-1
		1	49	16.68	16.81	16.84	17.00	0-1
		25	0	15.75	15.69	15.69	16.00	0-2
		25	12	15.81	15.76	15.82	16.00	0-2
		25	25	15.80	15.71	15.74	16.00	0-2
		50	0	15.72	15.84	15.74	16.00	0-2
	64-QAM	1	0	15.69	15.81	15.69	16.00	0-2
		1	25	15.82	15.73	15.70	16.00	0-2
		1	49	15.69	15.70	15.85	16.00	0-2
		25	0	14.80	14.85	14.70	15.00	0-3
		25	12	14.73	14.85	14.76	15.00	0-3
		25	25	14.75	14.73	14.69	15.00	0-3
		50	0	14.81	14.79	14.73	15.00	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	17.77	17.73	17.82	18.00	0
		1	12	17.76	17.79	17.87	18.00	0
		1	24	17.70	17.78	17.79	18.00	0
		12	0	16.75	16.68	16.74	17.00	0-1
		12	6	16.84	16.69	16.79	17.00	0-1
		12	13	16.88	16.70	16.79	17.00	0-1
		25	0	16.71	16.88	16.88	17.00	0-1
	16-QAM	1	0	16.85	16.75	16.84	17.00	0-1
		1	12	16.74	16.77	16.87	17.00	0-1
		1	24	16.69	16.85	16.78	17.00	0-1
		12	0	15.78	15.80	15.79	16.00	0-2
		12	6	15.69	15.68	15.71	16.00	0-2
		12	13	15.69	15.78	15.75	16.00	0-2
		25	0	15.78	15.68	15.86	16.00	0-2
	64-QAM	1	0	15.80	15.85	15.71	16.00	0-2
		1	12	15.78	15.87	15.75	16.00	0-2
		1	24	15.86	15.84	15.80	16.00	0-2
		12	0	14.72	14.87	14.82	15.00	0-3
		12	6	14.84	14.80	14.85	15.00	0-3
		12	13	14.82	14.86	14.80	15.00	0-3
		25	0	14.70	14.86	14.68	15.00	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	17.69	17.78	17.74	18.00	0
		1	7	17.78	17.73	17.73	18.00	0
		1	14	17.86	17.72	17.68	18.00	0
		8	0	16.72	16.79	16.74	17.00	0-1
		8	4	16.75	16.86	16.78	17.00	0-1
		8	7	16.86	16.70	16.87	17.00	0-1
		15	0	16.80	16.76	16.70	17.00	0-1
	16-QAM	1	0	16.71	16.84	16.72	17.00	0-1
		1	7	16.70	16.80	16.68	17.00	0-1
		1	14	16.84	16.80	16.83	17.00	0-1
		8	0	15.75	15.70	15.71	16.00	0-2
		8	4	15.85	15.77	15.70	16.00	0-2
		8	7	15.76	15.74	15.78	16.00	0-2
		15	0	15.74	15.84	15.81	16.00	0-2
	64-QAM	1	0	15.70	15.86	15.81	16.00	0-2
		1	7	15.87	15.81	15.87	16.00	0-2
		1	14	15.75	15.69	15.84	16.00	0-2
		8	0	14.83	14.68	14.81	15.00	0-3
		8	4	14.75	14.70	14.86	15.00	0-3
		8	7	14.74	14.71	14.85	15.00	0-3
		15	0	14.84	14.70	14.83	15.00	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	17.74	17.70	17.72	18.00	0
		1	2	17.88	17.85	17.82	18.00	0
		1	5	17.86	17.78	17.73	18.00	0
		3	0	16.82	16.79	16.73	18.00	0
		3	2	16.82	16.82	16.87	18.00	0
		3	3	16.83	16.85	16.75	18.00	0
		6	0	16.83	16.74	16.71	17.00	0-1
	16-QAM	1	0	16.80	16.70	16.87	17.00	0-1
		1	2	16.72	16.84	16.85	17.00	0-1
		1	5	16.84	16.75	16.74	17.00	0-1
		3	0	15.85	15.72	15.83	17.00	0-1
		3	2	15.68	15.70	15.72	17.00	0-1
		3	3	15.77	15.73	15.79	17.00	0-1
		6	0	15.80	15.87	15.76	16.00	0-2
	64-QAM	1	0	15.75	15.72	15.80	16.00	0-2
		1	2	15.71	15.85	15.77	16.00	0-2
		1	5	15.83	15.75	15.72	16.00	0-2
		3	0	14.78	14.69	14.71	16.00	0-2
		3	2	14.70	14.72	14.76	16.00	0-2
		3	3	14.86	14.76	14.69	16.00	0-2
		6	0	14.73	14.85	14.69	15.00	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	18.99			19.00	0
		1	25	18.98			19.00	0
		1	49	18.94			19.00	0
		25	0	17.92			18.00	0-1
		25	12	17.89			18.00	0-1
		25	25	17.81			18.00	0-1
		50	0	17.77			18.00	0-1
	16-QAM	1	0	17.92			18.00	0-1
		1	25	17.87			18.00	0-1
		1	49	17.79			18.00	0-1
		25	0	16.91			17.00	0-2
		25	12	16.80			17.00	0-2
		25	25	16.91			17.00	0-2
		50	0	16.89			17.00	0-2
	64-QAM	1	0	16.92			17.00	0-2
		1	25	16.77			17.00	0-2
		1	49	16.89			17.00	0-2
		25	0	15.81			16.00	0-3
		25	12	15.78			16.00	0-3
		25	25	15.92			16.00	0-3
		50	0	15.86			16.00	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	18.92	18.92	18.75	19.00	0
		1	12	18.86	18.88	18.79	19.00	0
		1	24	18.74	18.92	18.85	19.00	0
		12	0	17.83	17.90	17.81	18.00	0-1
		12	6	17.81	17.83	17.81	18.00	0-1
		12	13	17.74	17.83	17.88	18.00	0-1
		25	0	17.87	17.80	17.74	18.00	0-1
	16-QAM	1	0	17.89	17.89	17.81	18.00	0-1
		1	12	17.74	17.77	17.91	18.00	0-1
		1	24	17.77	17.88	17.92	18.00	0-1
		12	0	16.74	16.78	16.81	17.00	0-2
		12	6	16.77	16.79	16.78	17.00	0-2
		12	13	16.91	16.90	16.81	17.00	0-2
		25	0	16.87	16.89	16.89	17.00	0-2
	64-QAM	1	0	16.78	16.82	16.76	17.00	0-2
		1	12	16.77	16.84	16.86	17.00	0-2
		1	24	16.86	16.88	16.78	17.00	0-2
		12	0	15.80	15.85	15.86	16.00	0-3
		12	6	15.80	15.76	15.85	16.00	0-3
		12	13	15.88	15.75	15.73	16.00	0-3
		25	0	15.82	15.80	15.81	16.00	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	17.99			18.00	0
		1	25	17.95			18.00	0
		1	49	17.93			18.00	0
		25	0	16.73			17.00	0-1
		25	12	16.81			17.00	0-1
		25	25	16.81			17.00	0-1
		50	0	16.89			17.00	0-1
	16-QAM	1	0	16.80			17.00	0-1
		1	25	16.82			17.00	0-1
		1	49	16.87			17.00	0-1
		25	0	15.87			16.00	0-2
		25	12	15.80			16.00	0-2
		25	25	15.89			16.00	0-2
		50	0	15.74			16.00	0-2
	64-QAM	1	0	15.83			16.00	0-2
		1	25	15.91			16.00	0-2
		1	49	15.81			16.00	0-2
		25	0	14.82			15.00	0-3
		25	12	14.78			15.00	0-3
		25	25	14.86			15.00	0-3
		50	0	14.84			15.00	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	17.89	17.83	17.75	18.00	0
		1	12	17.91	17.89	17.80	18.00	0
		1	24	17.79	17.75	17.74	18.00	0
		12	0	16.79	16.92	16.78	17.00	0-1
		12	6	16.74	16.86	16.81	17.00	0-1
		12	13	16.91	16.86	16.82	17.00	0-1
		25	0	16.87	16.73	16.76	17.00	0-1
	16-QAM	1	0	16.89	16.90	16.73	17.00	0-1
		1	12	16.83	16.77	16.84	17.00	0-1
		1	24	16.91	16.81	16.87	17.00	0-1
		12	0	15.79	15.89	15.88	16.00	0-2
		12	6	15.75	15.87	15.88	16.00	0-2
		12	13	15.83	15.89	15.84	16.00	0-2
		25	0	15.78	15.79	15.89	16.00	0-2
	64-QAM	1	0	15.76	15.81	15.85	16.00	0-2
		1	12	15.72	15.77	15.86	16.00	0-2
		1	24	15.78	15.74	15.88	16.00	0-2
		12	0	14.77	14.83	14.75	15.00	0-3
		12	6	14.81	14.75	14.75	15.00	0-3
		12	13	14.83	14.77	14.85	15.00	0-3
		25	0	14.89	14.89	14.80	15.00	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	16.98	16.95	16.99	17.00	0
		1	50	16.86	16.80	16.81	17.00	0
		1	99	16.86	16.81	16.94	17.00	0
		50	0	15.82	15.80	15.76	16.00	0-1
		50	25	15.79	15.83	15.94	16.00	0-1
		50	50	15.80	15.80	15.78	16.00	0-1
		100	0	15.75	15.82	15.75	16.00	0-1
	16-QAM	1	0	15.84	15.78	15.89	16.00	0-1
		1	50	15.76	15.84	15.74	16.00	0-1
		1	99	15.91	15.77	15.88	16.00	0-1
		50	0	14.75	14.92	14.85	15.00	0-2
		50	25	14.94	14.79	14.80	15.00	0-2
		50	50	14.93	14.87	14.85	15.00	0-2
		100	0	14.88	14.92	14.82	15.00	0-2
	64-QAM	1	0	14.80	14.77	14.93	15.00	0-2
		1	50	14.79	14.76	14.78	15.00	0-2
		1	99	14.89	14.92	14.74	15.00	0-2
		50	0	13.90	13.90	13.79	14.00	0-3
		50	25	13.84	13.82	13.83	14.00	0-3
		50	50	13.79	13.76	13.88	14.00	0-3
		100	0	13.87	13.81	13.86	14.00	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	16.83	16.93	16.90	17.00	0
		1	36	16.76	16.84	16.85	17.00	0
		1	74	16.88	16.79	16.93	17.00	0
		36	0	15.84	15.77	15.86	16.00	0-1
		36	18	15.89	15.84	15.77	16.00	0-1
		36	37	15.94	15.87	15.81	16.00	0-1
		75	0	15.89	15.81	15.89	16.00	0-1
	16-QAM	1	0	15.82	15.86	15.78	16.00	0-1
		1	36	15.88	15.84	15.80	16.00	0-1
		1	74	15.86	15.76	15.87	16.00	0-1
		36	0	14.79	14.75	14.91	15.00	0-2
		36	18	14.77	14.83	14.90	15.00	0-2
		36	37	14.84	14.82	14.78	15.00	0-2
		75	0	14.80	14.77	14.81	15.00	0-2
	64-QAM	1	0	14.77	14.85	14.85	15.00	0-2
		1	36	14.93	14.82	14.89	15.00	0-2
		1	74	14.80	14.75	14.82	15.00	0-2
		36	0	13.78	13.78	13.75	14.00	0-3
		36	18	13.90	13.76	13.75	14.00	0-3
		36	37	13.81	13.78	13.83	14.00	0-3
		75	0	13.93	13.84	13.84	14.00	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	16.84	16.81	16.76	17.00	0
		1	25	16.86	16.91	16.79	17.00	0
		1	49	16.75	16.80	16.86	17.00	0
		25	0	15.85	15.74	15.89	16.00	0-1
		25	12	15.89	15.85	15.78	16.00	0-1
		25	25	15.85	15.86	15.93	16.00	0-1
		50	0	15.89	15.85	15.81	16.00	0-1
	16-QAM	1	0	15.80	15.76	15.93	16.00	0-1
		1	25	15.93	15.92	15.86	16.00	0-1
		1	49	15.79	15.79	15.89	16.00	0-1
		25	0	14.93	14.87	14.91	15.00	0-2
		25	12	14.85	14.80	14.89	15.00	0-2
		25	25	14.84	14.94	14.80	15.00	0-2
		50	0	14.90	14.93	14.88	15.00	0-2
	64-QAM	1	0	14.76	14.90	14.84	15.00	0-2
		1	25	14.86	14.83	14.87	15.00	0-2
		1	49	14.88	14.92	14.84	15.00	0-2
		25	0	13.84	13.90	13.88	14.00	0-3
		25	12	13.91	13.79	13.81	14.00	0-3
		25	25	13.79	13.92	13.85	14.00	0-3
		50	0	13.82	13.88	13.89	14.00	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	16.90	16.86	16.77	17.00	0
		1	12	16.86	16.86	16.87	17.00	0
		1	24	16.79	16.83	16.79	17.00	0
		12	0	15.93	15.90	15.88	16.00	0-1
		12	6	15.86	15.80	15.87	16.00	0-1
		12	13	15.78	15.76	15.90	16.00	0-1
		25	0	15.91	15.85	15.91	16.00	0-1
	16-QAM	1	0	15.82	15.82	15.93	16.00	0-1
		1	12	15.88	15.81	15.76	16.00	0-1
		1	24	15.77	15.78	15.75	16.00	0-1
		12	0	14.90	14.74	14.89	15.00	0-2
		12	6	14.88	14.75	14.74	15.00	0-2
		12	13	14.76	14.92	14.91	15.00	0-2
		25	0	14.76	14.93	14.93	15.00	0-2
	64-QAM	1	0	14.77	14.79	14.79	15.00	0-2
		1	12	14.93	14.76	14.90	15.00	0-2
		1	24	14.76	14.82	14.75	15.00	0-2
		12	0	13.79	13.81	13.92	14.00	0-3
		12	6	13.88	13.77	13.81	14.00	0-3
		12	13	13.86	13.86	13.78	14.00	0-3
		25	0	13.87	13.86	13.90	14.00	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	16.91	16.87	16.78	17.00	0
		1	7	16.81	16.84	16.93	17.00	0
		1	14	16.87	16.94	16.90	17.00	0
		8	0	15.87	15.75	15.90	16.00	0-1
		8	4	15.76	15.92	15.92	16.00	0-1
		8	7	15.81	15.77	15.92	16.00	0-1
		15	0	15.77	15.83	15.75	16.00	0-1
	16-QAM	1	0	15.82	15.92	15.90	16.00	0-1
		1	7	15.89	15.79	15.75	16.00	0-1
		1	14	15.90	15.85	15.86	16.00	0-1
		8	0	14.86	14.75	14.76	15.00	0-2
		8	4	14.80	14.80	14.88	15.00	0-2
		8	7	14.92	14.86	14.78	15.00	0-2
		15	0	14.78	14.82	14.81	15.00	0-2
	64-QAM	1	0	14.91	14.75	14.80	15.00	0-2
		1	7	14.84	14.76	14.76	15.00	0-2
		1	14	14.80	14.76	14.90	15.00	0-2
		8	0	13.90	13.93	13.93	14.00	0-3
		8	4	13.81	13.78	13.84	14.00	0-3
		8	7	13.80	13.85	13.90	14.00	0-3
		15	0	13.79	13.88	13.84	14.00	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	16.91	16.79	16.87	17.00	0
		1	2	16.79	16.84	16.77	17.00	0
		1	5	16.93	16.88	16.92	17.00	0
		3	0	15.92	15.78	15.92	17.00	0
		3	2	15.92	15.77	15.78	17.00	0
		3	3	15.91	15.77	15.81	17.00	0
		6	0	15.82	15.75	15.90	16.00	0-1
	16-QAM	1	0	15.89	15.89	15.74	16.00	0-1
		1	2	15.86	15.89	15.92	16.00	0-1
		1	5	15.82	15.82	15.77	16.00	0-1
		3	0	14.76	14.88	14.85	16.00	0-1
		3	2	14.91	14.92	14.77	16.00	0-1
		3	3	14.75	14.78	14.93	16.00	0-1
		6	0	14.84	14.75	14.79	15.00	0-2
	64-QAM	1	0	14.77	14.75	14.79	15.00	0-2
		1	2	14.88	14.90	14.86	15.00	0-2
		1	5	14.90	14.93	14.92	15.00	0-2
		3	0	13.83	13.76	13.85	15.00	0-2
		3	2	13.87	13.75	13.84	15.00	0-2
		3	3	13.79	13.84	13.82	15.00	0-2
		6	0	13.78	13.86	13.93	14.00	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	17.96	17.99	17.98	18.00	0
		1	36	17.88	17.89	17.78	18.00	0
		1	74	17.86	17.78	17.91	18.00	0
		36	0	16.84	16.77	16.86	17.00	0-1
		36	18	16.89	16.81	16.93	17.00	0-1
		36	37	16.78	16.83	16.83	17.00	0-1
		75	0	16.86	16.88	16.76	17.00	0-1
	16-QAM	1	0	16.94	16.81	16.88	17.00	0-1
		1	36	16.81	16.87	16.89	17.00	0-1
		1	74	16.81	16.80	16.76	17.00	0-1
		36	0	15.90	15.81	15.89	16.00	0-2
		36	18	15.93	15.90	15.91	16.00	0-2
		36	37	15.76	15.77	15.90	16.00	0-2
		75	0	15.90	15.85	15.90	16.00	0-2
	64-QAM	1	0	15.90	15.77	15.84	16.00	0-2
		1	36	15.84	15.92	15.80	16.00	0-2
		1	74	15.86	15.91	15.78	16.00	0-2
		36	0	14.89	14.88	14.85	15.00	0-3
		36	18	14.87	14.94	14.83	15.00	0-3
		36	37	14.89	14.85	14.92	15.00	0-3
		75	0	14.90	14.86	14.93	15.00	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	17.94	17.84	17.81	18.00	0
		1	25	17.81	17.91	17.83	18.00	0
		1	49	17.78	17.86	17.82	18.00	0
		25	0	16.78	16.77	16.92	17.00	0-1
		25	12	16.80	16.93	16.82	17.00	0-1
		25	25	16.92	16.80	16.85	17.00	0-1
		50	0	16.94	16.95	16.89	17.00	0-1
	16-QAM	1	0	16.77	16.94	16.80	17.00	0-1
		1	25	16.89	16.91	16.87	17.00	0-1
		1	49	16.86	16.93	16.90	17.00	0-1
		25	0	15.92	15.82	15.83	16.00	0-2
		25	12	15.89	15.82	15.78	16.00	0-2
		25	25	15.92	15.93	15.77	16.00	0-2
		50	0	15.87	15.80	15.88	16.00	0-2
	64-QAM	1	0	15.76	15.90	15.90	16.00	0-2
		1	25	15.83	15.91	15.95	16.00	0-2
		1	49	15.77	15.88	15.82	16.00	0-2
		25	0	14.89	14.94	14.93	15.00	0-3
		25	12	14.94	14.84	14.83	15.00	0-3
		25	25	14.92	14.88	14.88	15.00	0-3
		50	0	14.83	14.93	14.80	15.00	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	17.85	17.76	17.91	18.00	0
		1	12	17.85	17.86	17.86	18.00	0
		1	24	17.86	17.87	17.89	18.00	0
		12	0	16.85	16.89	16.79	17.00	0-1
		12	6	16.94	16.87	16.77	17.00	0-1
		12	13	16.90	16.83	16.89	17.00	0-1
		25	0	16.79	16.77	16.83	17.00	0-1
	16-QAM	1	0	16.89	16.79	16.95	17.00	0-1
		1	12	16.83	16.95	16.80	17.00	0-1
		1	24	16.77	16.94	16.93	17.00	0-1
		12	0	15.79	15.78	15.80	16.00	0-2
		12	6	15.90	15.84	15.90	16.00	0-2
		12	13	15.84	15.93	15.85	16.00	0-2
		25	0	15.95	15.77	15.87	16.00	0-2
	64-QAM	1	0	15.83	15.79	15.86	16.00	0-2
		1	12	15.82	15.92	15.94	16.00	0-2
		1	24	15.77	15.87	15.94	16.00	0-2
		12	0	14.90	14.77	14.82	15.00	0-3
		12	6	14.85	14.79	14.92	15.00	0-3
		12	13	14.76	14.83	14.85	15.00	0-3
		25	0	14.88	14.91	14.82	15.00	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	17.91	17.75	17.81	18.00	0
		1	7	17.82	17.92	17.82	18.00	0
		1	14	17.85	17.90	17.86	18.00	0
		8	0	16.83	16.76	16.94	17.00	0-1
		8	4	16.89	16.87	16.78	17.00	0-1
		8	7	16.91	16.79	16.92	17.00	0-1
		15	0	16.89	16.87	16.85	17.00	0-1
	16-QAM	1	0	16.76	16.88	16.83	17.00	0-1
		1	7	16.79	16.90	16.76	17.00	0-1
		1	14	16.79	16.78	16.85	17.00	0-1
		8	0	15.78	15.76	15.76	16.00	0-2
		8	4	15.84	15.81	15.87	16.00	0-2
		8	7	15.81	15.93	15.77	16.00	0-2
		15	0	15.92	15.93	15.82	16.00	0-2
	64-QAM	1	0	15.82	15.87	15.89	16.00	0-2
		1	7	15.90	15.84	15.91	16.00	0-2
		1	14	15.93	15.81	15.84	16.00	0-2
		8	0	14.87	14.85	14.88	15.00	0-3
		8	4	14.92	14.95	14.77	15.00	0-3
		8	7	14.87	14.93	14.85	15.00	0-3
		15	0	14.88	14.87	14.76	15.00	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	17.92	17.86	17.92	18.00	0
		1	2	17.91	17.93	17.84	18.00	0
		1	5	17.94	17.92	17.86	18.00	0
		3	0	16.83	16.91	16.82	18.00	0
		3	2	16.85	16.91	16.83	18.00	0
		3	3	16.82	16.87	16.87	18.00	0
		6	0	16.77	16.87	16.89	17.00	0-1
	16-QAM	1	0	16.92	16.79	16.85	17.00	0-1
		1	2	16.77	16.84	16.85	17.00	0-1
		1	5	16.94	16.76	16.82	17.00	0-1
		3	0	15.84	15.85	15.93	17.00	0-1
		3	2	15.83	15.77	15.90	17.00	0-1
		3	3	15.88	15.90	15.85	17.00	0-1
		6	0	15.85	15.84	15.76	16.00	0-2
	64-QAM	1	0	15.88	15.92	15.83	16.00	0-2
		1	2	15.88	15.81	15.87	16.00	0-2
		1	5	15.89	15.76	15.78	16.00	0-2
		3	0	14.91	14.75	14.91	16.00	0-2
		3	2	14.92	14.91	14.80	16.00	0-2
		3	3	14.94	14.84	14.84	16.00	0-2
		6	0	14.80	14.77	14.91	15.00	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	12.95			13.00	0
		1	25	12.92			13.00	0
		1	49	12.89			13.00	0
		25	0	11.82			12.00	0-1
		25	12	11.74			12.00	0-1
		25	25	11.87			12.00	0-1
		50	0	11.85			12.00	0-1
	16-QAM	1	0	11.71			12.00	0-1
		1	25	11.74			12.00	0-1
		1	49	11.80			12.00	0-1
		25	0	10.80			11.00	0-2
		25	12	10.72			11.00	0-2
		25	25	10.72			11.00	0-2
		50	0	10.80			11.00	0-2
	64-QAM	1	0	10.79			11.00	0-2
		1	25	10.74			11.00	0-2
		1	49	10.86			11.00	0-2
		25	0	9.77			10.00	0-3
		25	12	9.86			10.00	0-3
		25	25	9.80			10.00	0-3
		50	0	9.81			10.00	0-3
Frequency (MHz)				2307.5	2310	2312.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				27685	27710	27735		
5	QPSK	1	0	12.80	12.85	12.85	13.00	0
		1	12	12.87	12.83	12.75	13.00	0
		1	24	12.71	12.73	12.85	13.00	0
		12	0	11.78	11.85	11.81	12.00	0-1
		12	6	11.75	11.85	11.78	12.00	0-1
		12	13	11.82	11.87	11.82	12.00	0-1
		25	0	11.77	11.79	11.79	12.00	0-1
	16-QAM	1	0	11.83	11.86	11.79	12.00	0-1
		1	12	11.78	11.80	11.70	12.00	0-1
		1	24	11.71	11.75	11.69	12.00	0-1
		12	0	10.72	10.82	10.72	11.00	0-2
		12	6	10.83	10.86	10.72	11.00	0-2
		12	13	10.84	10.81	10.87	11.00	0-2
		25	0	10.73	10.79	10.69	11.00	0-2
	64-QAM	1	0	10.82	10.81	10.83	11.00	0-2
		1	12	10.75	10.81	10.86	11.00	0-2
		1	24	10.87	10.69	10.87	11.00	0-2
		12	0	9.72	9.85	9.69	10.00	0-3
		12	6	9.74	9.69	9.87	10.00	0-3
		12	13	9.79	9.68	9.80	10.00	0-3
		25	0	9.81	9.83	9.78	10.00	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)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	15.91	15.89	15.99	16.00	0
		1	50	15.84	15.86	15.78	16.00	0
		1	99	15.72	15.73	15.71	16.00	0
		50	0	14.87	14.85	14.84	15.00	0-1
		50	25	14.71	14.70	14.81	15.00	0-1
		50	50	14.80	14.87	14.76	15.00	0-1
		100	0	14.82	14.71	14.80	15.00	0-1
	16-QAM	1	0	14.70	14.75	14.73	15.00	0-1
		1	50	14.78	14.78	14.80	15.00	0-1
		1	99	14.75	14.80	14.78	15.00	0-1
		50	0	13.69	13.85	13.82	14.00	0-2
		50	25	13.84	13.86	13.87	14.00	0-2
		50	50	13.83	13.73	13.82	14.00	0-2
		100	0	13.74	13.79	13.75	14.00	0-2
	64-QAM	1	0	13.83	13.83	13.82	14.00	0-2
		1	50	13.81	13.87	13.82	14.00	0-2
		1	99	13.77	13.84	13.80	14.00	0-2
		50	0	12.79	12.77	12.70	13.00	0-3
		50	25	12.73	12.69	12.81	13.00	0-3
		50	50	12.78	12.75	12.85	13.00	0-3
		100	0	12.75	12.70	12.81	13.00	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	15.82	15.80	15.76	16.00	0
		1	36	15.78	15.80	15.82	16.00	0
		1	74	15.83	15.71	15.73	16.00	0
		36	0	14.78	14.77	14.82	15.00	0-1
		36	18	14.78	14.85	14.76	15.00	0-1
		36	37	14.71	14.69	14.86	15.00	0-1
		75	0	14.75	14.86	14.74	15.00	0-1
	16-QAM	1	0	14.87	14.78	14.88	15.00	0-1
		1	36	14.83	14.79	14.85	15.00	0-1
		1	74	14.88	14.69	14.68	15.00	0-1
		36	0	13.74	13.75	13.75	14.00	0-2
		36	18	13.83	13.74	13.83	14.00	0-2
		36	37	13.73	13.84	13.86	14.00	0-2
		75	0	13.73	13.88	13.81	14.00	0-2
	64-QAM	1	0	13.72	13.85	13.78	14.00	0-2
		1	36	13.85	13.79	13.84	14.00	0-2
		1	74	13.72	13.75	13.79	14.00	0-2
		36	0	12.77	12.73	12.77	13.00	0-3
		36	18	12.84	12.88	12.85	13.00	0-3
		36	37	12.86	12.80	12.85	13.00	0-3
		75	0	12.85	12.85	12.69	13.00	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	15.73	15.74	15.70	16.00	0
		1	25	15.77	15.71	15.81	16.00	0
		1	49	15.74	15.86	15.71	16.00	0
		25	0	14.86	14.68	14.84	15.00	0-1
		25	12	14.71	14.72	14.69	15.00	0-1
		25	25	14.82	14.78	14.85	15.00	0-1
		50	0	14.75	14.80	14.80	15.00	0-1
	16-QAM	1	0	14.81	14.79	14.82	15.00	0-1
		1	25	14.86	14.78	14.73	15.00	0-1
		1	49	14.82	14.88	14.70	15.00	0-1
		25	0	13.79	13.70	13.78	14.00	0-2
		25	12	13.68	13.81	13.87	14.00	0-2
		25	25	13.79	13.69	13.87	14.00	0-2
		50	0	13.85	13.77	13.78	14.00	0-2
	64-QAM	1	0	13.71	13.72	13.84	14.00	0-2
		1	25	13.85	13.73	13.74	14.00	0-2
		1	49	13.78	13.73	13.69	14.00	0-2
		25	0	12.81	12.71	12.73	13.00	0-3
		25	12	12.85	12.80	12.69	13.00	0-3
		25	25	12.73	12.85	12.86	13.00	0-3
		50	0	12.84	12.73	12.87	13.00	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	15.83	15.85	15.73	16.00	0
		1	12	15.83	15.77	15.76	16.00	0
		1	24	15.86	15.68	15.71	16.00	0
		12	0	14.75	14.74	14.71	15.00	0-1
		12	6	14.69	14.71	14.82	15.00	0-1
		12	13	14.76	14.82	14.82	15.00	0-1
		25	0	14.82	14.85	14.71	15.00	0-1
	16-QAM	1	0	14.85	14.87	14.88	15.00	0-1
		1	12	14.87	14.85	14.77	15.00	0-1
		1	24	14.82	14.75	14.70	15.00	0-1
		12	0	13.78	13.79	13.88	14.00	0-2
		12	6	13.75	13.80	13.72	14.00	0-2
		12	13	13.82	13.69	13.76	14.00	0-2
		25	0	13.73	13.72	13.80	14.00	0-2
	64-QAM	1	0	13.70	13.72	13.82	14.00	0-2
		1	12	13.81	13.84	13.77	14.00	0-2
		1	24	13.68	13.73	13.73	14.00	0-2
		12	0	12.68	12.84	12.84	13.00	0-3
		12	6	12.71	12.76	12.68	13.00	0-3
		12	13	12.86	12.77	12.71	13.00	0-3
		25	0	12.75	12.76	12.77	13.00	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	15.83	15.87	15.78	16.00	0
		1	7	15.76	15.82	15.69	16.00	0
		1	14	15.85	15.68	15.85	16.00	0
		8	0	14.70	14.79	14.76	15.00	0-1
		8	4	14.75	14.82	14.76	15.00	0-1
		8	7	14.73	14.72	14.83	15.00	0-1
		15	0	14.80	14.87	14.86	15.00	0-1
	16-QAM	1	0	14.75	14.69	14.71	15.00	0-1
		1	7	14.73	14.77	14.70	15.00	0-1
		1	14	14.70	14.86	14.73	15.00	0-1
		8	0	13.78	13.87	13.84	14.00	0-2
		8	4	13.77	13.83	13.71	14.00	0-2
		8	7	13.70	13.75	13.70	14.00	0-2
		15	0	13.85	13.70	13.69	14.00	0-2
	64-QAM	1	0	13.79	13.73	13.79	14.00	0-2
		1	7	13.73	13.77	13.82	14.00	0-2
		1	14	13.76	13.72	13.87	14.00	0-2
		8	0	12.82	12.82	12.83	13.00	0-3
		8	4	12.75	12.72	12.74	13.00	0-3
		8	7	12.73	12.81	12.70	13.00	0-3
		15	0	12.73	12.74	12.82	13.00	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	15.86	15.72	15.76	16.00	0
		1	2	15.78	15.86	15.76	16.00	0
		1	5	15.74	15.86	15.76	16.00	0
		3	0	14.82	14.76	14.85	16.00	0
		3	2	14.83	14.87	14.73	16.00	0
		3	3	14.72	14.81	14.77	16.00	0
		6	0	14.69	14.69	14.75	15.00	0-1
	16-QAM	1	0	14.74	14.85	14.71	15.00	0-1
		1	2	14.69	14.88	14.84	15.00	0-1
		1	5	14.71	14.72	14.80	15.00	0-1
		3	0	13.71	13.87	13.79	15.00	0-1
		3	2	13.69	13.82	13.79	15.00	0-1
		3	3	13.76	13.75	13.80	15.00	0-1
		6	0	13.73	13.84	13.77	14.00	0-2
	64-QAM	1	0	13.69	13.79	13.71	14.00	0-2
		1	2	13.84	13.72	13.81	14.00	0-2
		1	5	13.69	13.78	13.76	14.00	0-2
		3	0	12.69	12.78	12.74	14.00	0-2
		3	2	12.83	12.79	12.77	14.00	0-2
		3	3	12.77	12.85	12.79	14.00	0-2
		6	0	12.73	12.76	12.76	13.00	0-3

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1.3.6 Sensor on-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	15.96	15.87	15.85	16.00	0
		1	50	15.83	15.83	15.74	16.00	0
		1	99	15.81	15.79	15.76	16.00	0
		50	0	14.82	14.72	14.77	15.00	0-1
		50	25	14.71	14.79	14.78	15.00	0-1
		50	50	14.75	14.65	14.77	15.00	0-1
		100	0	14.80	14.78	14.67	15.00	0-1
	16-QAM	1	0	14.74	14.80	14.66	15.00	0-1
		1	50	14.82	14.84	14.77	15.00	0-1
		1	99	14.67	14.70	14.68	15.00	0-1
		50	0	13.83	13.68	13.81	14.00	0-2
		50	25	13.83	13.70	13.66	14.00	0-2
		50	50	13.83	13.76	13.67	14.00	0-2
		100	0	13.79	13.73	13.69	14.00	0-2
	64-QAM	1	0	13.80	13.68	13.84	14.00	0-2
		1	50	13.72	13.68	13.71	14.00	0-2
		1	99	13.79	13.75	13.78	14.00	0-2
		50	0	12.82	12.67	12.71	13.00	0-3
		50	25	12.69	12.76	12.65	13.00	0-3
		50	50	12.81	12.68	12.70	13.00	0-3
		100	0	12.82	12.78	12.64	13.00	0-3
Frequency (MHz)				2577.5	2595	2612.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				37825	38000	38175		
15	QPSK	1	0	15.71	15.69	15.67	16.00	0
		1	36	15.66	15.77	15.83	16.00	0
		1	74	15.80	15.76	15.81	16.00	0
		36	0	14.73	14.82	14.81	15.00	0-1
		36	18	14.79	14.75	14.72	15.00	0-1
		36	37	14.72	14.65	14.70	15.00	0-1
		75	0	14.74	14.70	14.66	15.00	0-1
	16-QAM	1	0	14.68	14.75	14.75	15.00	0-1
		1	36	14.73	14.71	14.70	15.00	0-1
		1	74	14.77	14.72	14.74	15.00	0-1
		36	0	13.79	13.72	13.79	14.00	0-2
		36	18	13.82	13.79	13.71	14.00	0-2
		36	37	13.70	13.81	13.67	14.00	0-2
		75	0	13.81	13.74	13.69	14.00	0-2
	64-QAM	1	0	13.83	13.79	13.68	14.00	0-2
		1	36	13.74	13.80	13.77	14.00	0-2
		1	74	13.65	13.71	13.71	14.00	0-2
		36	0	12.80	12.83	12.77	13.00	0-3
		36	18	12.68	12.72	12.66	13.00	0-3
		36	37	12.82	12.73	12.69	13.00	0-3
		75	0	12.75	12.71	12.79	13.00	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	15.66	15.74	15.74	16.00	0
		1	25	15.69	15.81	15.78	16.00	0
		1	49	15.81	15.78	15.78	16.00	0
		25	0	14.77	14.71	14.75	15.00	0-1
		25	12	14.78	14.81	14.75	15.00	0-1
		25	25	14.64	14.79	14.70	15.00	0-1
		50	0	14.83	14.67	14.68	15.00	0-1
	16-QAM	1	0	14.77	14.77	14.64	15.00	0-1
		1	25	14.82	14.81	14.79	15.00	0-1
		1	49	14.64	14.64	14.75	15.00	0-1
		25	0	13.76	13.65	13.81	14.00	0-2
		25	12	13.82	13.70	13.77	14.00	0-2
		25	25	13.70	13.66	13.74	14.00	0-2
		50	0	13.81	13.84	13.66	14.00	0-2
	64-QAM	1	0	13.74	13.69	13.70	14.00	0-2
		1	25	13.77	13.69	13.68	14.00	0-2
		1	49	13.84	13.72	13.71	14.00	0-2
		25	0	12.71	12.82	12.74	13.00	0-3
		25	12	12.69	12.83	12.74	13.00	0-3
		25	25	12.68	12.75	12.72	13.00	0-3
		50	0	12.83	12.69	12.71	13.00	0-3
Frequency (MHz)				2572.5	2595	2617.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				37775	38000	38225		
5	QPSK	1	0	15.71	15.80	15.73	16.00	0
		1	12	15.84	15.71	15.83	16.00	0
		1	24	15.83	15.80	15.83	16.00	0
		12	0	14.74	14.77	14.81	15.00	0-1
		12	6	14.83	14.67	14.64	15.00	0-1
		12	13	14.84	14.71	14.72	15.00	0-1
		25	0	14.66	14.77	14.83	15.00	0-1
	16-QAM	1	0	14.71	14.64	14.68	15.00	0-1
		1	12	14.67	14.82	14.67	15.00	0-1
		1	24	14.76	14.69	14.80	15.00	0-1
		12	0	13.73	13.71	13.77	14.00	0-2
		12	6	13.76	13.83	13.68	14.00	0-2
		12	13	13.80	13.69	13.66	14.00	0-2
		25	0	13.82	13.83	13.78	14.00	0-2
	64-QAM	1	0	13.79	13.75	13.83	14.00	0-2
		1	12	13.76	13.69	13.78	14.00	0-2
		1	24	13.77	13.75	13.69	14.00	0-2
		12	0	12.72	12.74	12.66	13.00	0-3
		12	6	12.83	12.74	12.81	13.00	0-3
		12	13	12.70	12.69	12.80	13.00	0-3
		25	0	12.76	12.70	12.83	13.00	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	15.92	15.91	15.87	15.80	15.82	16.00	0
		1	50	15.61	15.66	15.70	15.78	15.69	16.00	0
		1	99	15.74	15.73	15.60	15.71	15.68	16.00	0
		50	0	14.79	14.76	14.66	14.63	14.76	15.00	0-1
		50	25	14.61	14.62	14.77	14.71	14.68	15.00	0-1
		50	50	14.60	14.74	14.67	14.63	14.61	15.00	0-1
		100	0	14.78	14.69	14.61	14.77	14.69	15.00	0-1
	16-QAM	1	0	14.79	14.63	14.76	14.68	14.72	15.00	0-1
		1	50	14.66	14.66	14.77	14.62	14.63	15.00	0-1
		1	99	14.76	14.67	14.66	14.72	14.71	15.00	0-1
		50	0	13.63	13.77	13.66	13.75	13.66	14.00	0-2
		50	25	13.70	13.67	13.67	13.76	13.67	14.00	0-2
		50	50	13.63	13.76	13.63	13.79	13.74	14.00	0-2
		100	0	13.68	13.78	13.75	13.67	13.67	14.00	0-2
	64-QAM	1	0	13.65	13.73	13.68	13.78	13.60	14.00	0-2
		1	50	13.72	13.74	13.76	13.63	13.73	14.00	0-2
		1	99	13.75	13.65	13.73	13.73	13.67	14.00	0-2
		50	0	12.80	12.66	12.66	12.77	12.65	13.00	0-3
		50	25	12.70	12.65	12.73	12.70	12.64	13.00	0-3
		50	50	12.75	12.60	12.61	12.72	12.63	13.00	0-3
		100	0	12.77	12.71	12.64	12.63	12.75	13.00	0-3
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	15.79	15.73	15.78	15.63	15.67	16.00	0
		1	36	15.64	15.70	15.78	15.77	15.76	16.00	0
		1	74	15.65	15.79	15.67	15.70	15.73	16.00	0
		36	0	14.67	14.78	14.76	14.73	14.80	15.00	0-1
		36	18	14.69	14.75	14.69	14.65	14.80	15.00	0-1
		36	37	14.63	14.75	14.65	14.62	14.68	15.00	0-1
		75	0	14.78	14.60	14.65	14.62	14.75	15.00	0-1
	16-QAM	1	0	14.68	14.64	14.64	14.72	14.77	15.00	0-1
		1	36	14.70	14.76	14.76	14.62	14.63	15.00	0-1
		1	74	14.74	14.61	14.62	14.79	14.68	15.00	0-1
		36	0	13.77	13.66	13.60	13.61	13.60	14.00	0-2
		36	18	13.73	13.79	13.79	13.68	13.76	14.00	0-2
		36	37	13.69	13.70	13.73	13.77	13.75	14.00	0-2
		75	0	13.62	13.65	13.79	13.69	13.72	14.00	0-2
	64-QAM	1	0	13.71	13.76	13.63	13.74	13.71	14.00	0-2
		1	36	13.61	13.65	13.78	13.68	13.74	14.00	0-2
		1	74	13.71	13.76	13.62	13.63	13.71	14.00	0-2
		36	0	12.60	12.63	12.73	12.79	12.74	13.00	0-3
		36	18	12.68	12.67	12.62	12.76	12.75	13.00	0-3
		36	37	12.79	12.67	12.77	12.72	12.73	13.00	0-3
		75	0	12.80	12.76	12.75	12.78	12.62	13.00	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	15.65	15.64	15.74	15.64	15.72	16.00	0
		1	25	15.63	15.77	15.62	15.77	15.69	16.00	0
		1	49	15.67	15.68	15.80	15.70	15.79	16.00	0
		25	0	14.61	14.76	14.69	14.77	14.78	15.00	0-1
		25	12	14.75	14.79	14.77	14.68	14.68	15.00	0-1
		25	25	14.68	14.62	14.62	14.77	14.68	15.00	0-1
		50	0	14.65	14.63	14.70	14.63	14.73	15.00	0-1
	16-QAM	1	0	14.62	14.67	14.78	14.77	14.70	15.00	0-1
		1	25	14.74	14.65	14.73	14.75	14.75	15.00	0-1
		1	49	14.77	14.65	14.77	14.72	14.71	15.00	0-1
		25	0	13.67	13.68	13.75	13.78	13.65	14.00	0-2
		25	12	13.61	13.67	13.71	13.79	13.71	14.00	0-2
		25	25	13.68	13.78	13.70	13.66	13.72	14.00	0-2
		50	0	13.68	13.79	13.62	13.79	13.79	14.00	0-2
	64-QAM	1	0	13.72	13.66	13.67	13.70	13.66	14.00	0-2
		1	25	13.77	13.68	13.65	13.71	13.65	14.00	0-2
		1	49	13.62	13.74	13.75	13.69	13.60	14.00	0-2
		25	0	12.74	12.71	12.78	12.73	12.70	13.00	0-3
		25	12	12.73	12.66	12.78	12.68	12.73	13.00	0-3
		25	25	12.64	12.74	12.65	12.73	12.64	13.00	0-3
		50	0	12.78	12.65	12.76	12.73	12.76	13.00	0-3
Frequency (MHz)				2498.5	2547.8	2593	2640.3	2687.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	15.69	15.62	15.79	15.67	15.80	16.00	0
		1	12	15.70	15.80	15.75	15.66	15.75	16.00	0
		1	24	15.79	15.71	15.60	15.66	15.70	16.00	0
		12	0	14.66	14.68	14.70	14.61	14.69	15.00	0-1
		12	6	14.60	14.66	14.68	14.67	14.80	15.00	0-1
		12	13	14.73	14.75	14.72	14.61	14.70	15.00	0-1
		25	0	14.77	14.65	14.71	14.65	14.73	15.00	0-1
	16-QAM	1	0	14.73	14.69	14.67	14.73	14.77	15.00	0-1
		1	12	14.80	14.70	14.70	14.61	14.76	15.00	0-1
		1	24	14.62	14.65	14.61	14.74	14.61	15.00	0-1
		12	0	13.65	13.76	13.61	13.75	13.65	14.00	0-2
		12	6	13.68	13.68	13.67	13.75	13.71	14.00	0-2
		12	13	13.79	13.69	13.72	13.73	13.73	14.00	0-2
		25	0	13.76	13.63	13.74	13.65	13.61	14.00	0-2
	64-QAM	1	0	13.70	13.73	13.76	13.62	13.72	14.00	0-2
		1	12	13.68	13.62	13.70	13.74	13.72	14.00	0-2
		1	24	13.71	13.65	13.68	13.79	13.78	14.00	0-2
		12	0	12.76	12.65	12.64	12.77	12.69	13.00	0-3
		12	6	12.64	12.74	12.66	12.77	12.65	13.00	0-3
		12	13	12.74	12.70	12.72	12.76	12.77	13.00	0-3
		25	0	12.70	12.66	12.64	12.66	12.69	13.00	0-3

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

Antenna / Band	SISO		MIMO
	Main	Aux	Main + Aux
WLAN802.11b	V	V	-
WLAN802.11g	V	V	-
WLAN802.11n(20M)	V	V	V
WLAN802.11n(40M)	V	V	V
WLAN802.11ax(20M)	V	V	V
WLAN802.11ax(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
WLAN802.11ac(160M) 5G	V	V	V
WLAN802.11ax(20M) 5G	V	V	V
WLAN802.11ax(40M) 5G	V	V	V
WLAN802.11ax(80M) 5G	V	V	V
WLAN802.11ax(160M) 5G	V	V	V

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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	20.00	19.89
		2	2417		21.00	20.81
		6	2437		21.00	20.88
		10	2457		21.00	20.90
		11	2462		20.00	19.84
		12	2467		18.50	18.37
		13	2472		17.50	17.41
	802.11g	1	2412	6Mbps	18.00	16.83
		2	2417		19.00	18.76
		6	2437		20.50	20.32
		10	2457		19.25	19.07
		11	2462		17.00	16.94
		12	2467		15.25	15.17
		13	2472		11.50	11.38
	802.11n20-HT0	1	2412	MCS0	18.00	16.88
		2	2417		19.00	18.86
		6	2437		20.50	20.21
		10	2457		19.25	19.01
		11	2462		17.00	15.38
		12	2467		15.25	15.10
		13	2472		11.50	11.34
	802.11ax20-HE0	1	2412	MCS0	18.00	16.87
		2	2417		19.00	18.88
		6	2437		20.50	19.81
		10	2457		19.25	19.04
		11	2462		17.00	15.44
		12	2467		15.25	15.14
		13	2472		11.50	11.40
	802.11n40-HT0	3	2422	MCS0	16.00	15.86
		4	2427		17.00	16.92
		6	2437		18.00	17.72
		8	2447		16.00	15.91
		9	2452		15.00	14.80
		10	2457		10.50	10.49
		11	2462		8.75	8.64
	802.11ax40-HE0	3	2422	MCS0	16.00	15.86
		4	2427		17.00	16.93
		6	2437		18.00	16.36
		8	2447		16.00	15.94
		9	2452		15.00	14.83
		10	2457		10.50	10.36
		11	2462		8.75	8.65

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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	19.50	19.34
		40	5200		20.25	19.92
		44	5220		21.00	20.97
		48	5240		21.00	20.95
	802.11n20-HT0	36	5180	MCS0	19.50	18.27
		40	5200		20.25	19.39
		44	5220		21.00	20.65
		48	5240		21.00	20.43
	802.11ac20-VHT0	36	5180	MCS0	19.50	18.72
		40	5200		20.25	19.85
		44	5220		21.00	20.61
		48	5240		21.00	20.72
	802.11ax20-HE0	36	5180	MCS0	19.50	18.91
		40	5200		20.25	19.65
		44	5220		21.00	20.19
		48	5240		21.00	20.80
	802.11n40-HT0	38	5190	MCS0	18.25	18.00
		46	5230		19.50	19.36
	802.11ac40-VHT0	38	5190	MCS0	18.25	18.05
		46	5230		19.50	19.21
	802.11ax40-HE0	38	5190	MCS0	18.25	18.01
		46	5230		19.50	19.35
	802.11ac80-VHT0	42	5210	MCS0	17.75	17.60
	802.11ax80-HE0	42	5210	MCS0	17.75	17.55
	802.11ac160-VHT0	50	5250	MCS0	14.50	14.27
	802.11ax160-HE0	50	5250	MCS0	14.50	14.39

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	21.00	20.99
		56	5280		21.00	20.98
		60	5300		20.50	20.22
		64	5320		18.50	18.36
	802.11n20-HT0	52	5260	MCS0	21.00	20.98
		56	5280		21.00	20.97
		60	5300		20.50	20.20
		64	5320		18.50	18.43
	802.11ac20-VHT0	52	5260	MCS0	21.00	20.86
		56	5280		21.00	20.81
		60	5300		20.50	20.23
		64	5320		18.50	18.39
	802.11ax20-HE0	52	5260	MCS0	21.00	20.71
		56	5280		21.00	20.76
		60	5300		20.50	20.39
		64	5320		18.50	18.46
	802.11n40-HT0	54	5270	MCS0	21.00	20.49
		62	5310		17.00	16.84
	802.11ac40-VHT0	54	5270	MCS0	21.00	20.33
		62	5310		17.00	16.82
	802.11ax40-HE0	54	5270	MCS0	21.00	20.47
		62	5310		17.00	16.75
	802.11ac80-VHT0	58	5290	MCS0	17.00	15.34
	802.11ax80-HE0	58	5290	MCS0	17.00	16.89

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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	19.75	19.41
		104	5520		20.75	20.53
		116	5580		21.00	20.79
		120	5600		21.00	20.84
		136	5680		20.50	20.23
		140	5700		18.50	18.40
		144	5720		21.00	20.31
	802.11n20-HT0	100	5500	MCS0	19.75	18.68
		104	5520		20.75	20.56
		116	5580		21.00	20.65
		120	5600		21.00	20.78
		136	5680		20.50	20.32
		140	5700		18.50	18.26
		144	5720		21.00	20.22
	802.11ac20-VHT0	100	5500	MCS0	19.75	18.91
		104	5520		20.75	20.51
		116	5580		21.00	20.77
		120	5600		21.00	20.88
		136	5680		20.50	20.35
		140	5700		18.50	18.22
		144	5720		21.00	20.21
	802.11ax20-HE0	100	5500	MCS0	19.75	18.71
		104	5520		20.75	20.47
		116	5580		21.00	20.69
		120	5600		21.00	20.72
		136	5680		20.50	20.29
		140	5700		18.50	18.39
		144	5720		21.00	20.26
	802.11n40-HT0	102	5510	MCS0	18.25	18.03
		110	5550		21.00	20.98
		118	5590		21.00	20.97
		134	5670		19.75	19.41
		142	5710		21.00	20.99
	802.11ac40-VHT0	102	5510	MCS0	18.25	18.09
		110	5550		21.00	20.92
		118	5590		21.00	20.96
		134	5670		19.75	18.92
		142	5710		21.00	20.77
	802.11ax40-HE0	102	5510	MCS0	18.25	18.11
		110	5550		21.00	20.84
		118	5590		21.00	20.86
		134	5670		19.75	18.85
		142	5710		21.00	20.77
	802.11ac80-VHT0	106	5530	MCS0	18.25	18.04
		122	5610		20.00	19.78
		138	5690		21.00	20.97
	802.11ax80-HE0	106	5530	MCS0	18.25	18.13
		122	5610		20.00	19.46
		138	5690		21.00	20.99
	802.11ac160-VHT0	114	5570	MCS0	15.00	14.47
	802.11ax160-HE0	114	5570	MCS0	15.00	14.42

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	20.50	20.34
		157	5785		21.00	20.52
		165	5825		20.50	20.22
	802.11n20-HT0	149	5745	MCS0	20.50	20.24
		157	5785		21.00	20.95
		165	5825		20.50	20.22
	802.11ac20-VHT0	149	5745	MCS0	20.50	20.37
		157	5785		21.00	20.84
		165	5825		20.50	20.31
	802.11ax20-HE0	149	5745	MCS0	20.50	20.28
		157	5785		21.00	20.88
		165	5825		20.50	20.37
	802.11n40-HT0	151	5755	MCS0	20.50	20.31
		159	5795		20.50	20.30
	802.11ac40-VHT0	151	5755	MCS0	20.50	20.33
		159	5795		20.50	20.27
	802.11ax40-HE0	151	5755	MCS0	20.50	20.33
		159	5795		20.50	20.32
	802.11ac80-VHT0	155	5775	MCS0	19.50	18.38
	802.11ax80-HE0	155	5775	MCS0	19.50	18.34

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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	20.00	19.92
		2	2417		21.00	19.84
		6	2437		21.00	19.95
		10	2457		21.00	19.99
		11	2462		20.00	19.87
		12	2467		19.00	18.87
		13	2472		18.50	18.36
	802.11g	1	2412	6Mbps	18.75	16.90
		2	2417		19.00	18.84
		6	2437		20.50	20.29
		10	2457		19.25	19.09
		11	2462		17.50	16.81
		12	2467		15.25	15.16
		13	2472		12.00	11.85
	802.11n20-HT0	1	2412	MCS0	18.75	16.90
		2	2417		19.00	18.75
		6	2437		20.50	20.33
		10	2457		19.25	19.13
		11	2462		17.50	17.29
		12	2467		15.25	15.22
		13	2472		12.00	11.91
	802.11ax20-HE0	1	2412	MCS0	18.75	16.79
		2	2417		19.00	18.81
		6	2437		20.50	19.84
		10	2457		19.25	19.02
		11	2462		17.50	17.37
		12	2467		15.25	15.23
		13	2472		12.00	11.82
	802.11n40-HT0	3	2422	MCS0	17.00	16.41
		4	2427		17.00	16.95
		6	2437		18.00	17.89
		8	2447		16.00	15.93
		9	2452		15.25	14.47
		10	2457		8.00	7.96
		11	2462		7.75	7.74
	802.11ax40-HE0	3	2422	MCS0	17.00	16.40
		4	2427		17.00	16.66
		6	2437		18.00	17.80
		8	2447		16.00	15.84
		9	2452		15.25	14.99
		10	2457		8.00	7.91
		11	2462		7.75	7.60

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	19.50	18.87
		40	5200		20.25	19.41
		44	5220		21.00	20.99
		48	5240		21.00	20.93
	802.11n20-HT0	36	5180	MCS0	19.50	18.39
		40	5200		20.25	19.47
		44	5220		21.00	20.80
		48	5240		21.00	20.46
	802.11ac20-VHT0	36	5180	MCS0	19.50	18.82
		40	5200		20.25	19.93
		44	5220		21.00	20.70
		48	5240		21.00	20.77
	802.11ax20-HE0	36	5180	MCS0	19.50	18.99
		40	5200		20.25	19.73
		44	5220		21.00	20.37
		48	5240		21.00	20.87
	802.11n40-HT0	38	5190	MCS0	18.25	18.00
		46	5230		19.50	19.38
	802.11ac40-VHT0	38	5190	MCS0	18.25	18.13
		46	5230		19.50	19.29
	802.11ax40-HE0	38	5190	MCS0	18.25	18.00
		46	5230		19.50	19.38
	802.11ac80-VHT0	42	5210	MCS0	17.75	17.47
	802.11ax80-HE0	42	5210	MCS0	17.75	17.59
	802.11ac160-VHT0	50	5250	MCS0	14.75	14.57
	802.11ax160-HE0	50	5250	MCS0	14.75	14.57

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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	21.00	20.99
		56	5280		21.00	20.98
		60	5300		20.50	20.38
		64	5320		19.00	18.39
	802.11n20-HT0	52	5260	MCS0	21.00	20.98
		56	5280		21.00	20.99
		60	5300		20.50	20.23
		64	5320		19.00	18.47
	802.11ac20-VHT0	52	5260	MCS0	21.00	20.89
		56	5280		21.00	20.88
		60	5300		20.50	20.40
		64	5320		19.00	17.86
	802.11ax20-HE0	52	5260	MCS0	21.00	20.82
		56	5280		21.00	20.95
		60	5300		20.50	20.27
		64	5320		19.00	17.79
	802.11n40-HT0	54	5270	MCS0	21.00	20.45
		62	5310		17.00	16.87
	802.11ac40-VHT0	54	5270	MCS0	21.00	20.37
		62	5310		17.00	16.80
	802.11ax40-HE0	54	5270	MCS0	21.00	20.38
		62	5310		17.00	16.89
	802.11ac80-VHT0	58	5290	MCS0	17.25	17.06
	802.11ax80-HE0	58	5290	MCS0	17.25	17.01

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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	19.75	18.85
		104	5520		20.75	20.46
		116	5580		21.00	20.79
		120	5600		21.00	20.79
		136	5680		20.50	20.30
		140	5700		18.00	17.81
		144	5720		21.00	20.35
	802.11n20-HT0	100	5500	MCS0	19.75	18.92
		104	5520		20.75	20.63
		116	5580		21.00	20.69
		120	5600		21.00	20.75
		136	5680		20.50	20.21
		140	5700		18.00	17.76
		144	5720		21.00	20.27
	802.11ac20-VHT0	100	5500	MCS0	19.75	18.88
		104	5520		20.75	20.47
		116	5580		21.00	20.83
		120	5600		21.00	20.88
		136	5680		20.50	20.22
		140	5700		18.00	17.77
		144	5720		21.00	20.36
	802.11ax20-HE0	100	5500	MCS0	19.75	18.89
		104	5520		20.75	20.56
		116	5580		21.00	20.67
		120	5600		21.00	20.74
		136	5680		20.50	20.33
		140	5700		18.00	17.74
		144	5720		21.00	20.31
	802.11n40-HT0	102	5510	MCS0	18.25	18.05
		110	5550		21.00	20.99
		118	5590		21.00	20.96
		134	5670		19.75	19.45
		142	5710		21.00	20.97
	802.11ac40-VHT0	102	5510	MCS0	18.25	17.99
		110	5550		21.00	20.90
		118	5590		21.00	20.86
		134	5670		19.75	18.86
		142	5710		21.00	20.89
	802.11ax40-HE0	102	5510	MCS0	18.25	18.05
		110	5550		21.00	20.67
		118	5590		21.00	20.74
		134	5670		19.75	18.93
		142	5710		21.00	20.77
	802.11ac80-VHT0	106	5530	MCS0	18.00	17.74
		122	5610		20.00	19.86
		138	5690		21.00	20.77
	802.11ax80-HE0	106	5530	MCS0	18.00	17.80
		122	5610		20.00	19.35
		138	5690		21.00	20.88
	802.11ac160-VHT0	114	5570	MCS0	15.00	14.42
	802.11ax160-HE0	114	5570	MCS0	15.00	14.46

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	20.50	20.36
		157	5785		21.00	20.38
		165	5825		20.50	20.33
	802.11n20-HT0	149	5745	MCS0	20.50	20.37
		157	5785		21.00	20.92
		165	5825		20.50	20.40
	802.11ac20-VHT0	149	5745	MCS0	20.50	20.29
		157	5785		21.00	20.80
		165	5825		20.50	20.26
	802.11ax20-HE0	149	5745	MCS0	20.50	20.29
		157	5785		21.00	20.80
		165	5825		20.50	20.38
	802.11n40-HT0	151	5755	MCS0	20.50	20.26
		159	5795		20.50	20.28
	802.11ac40-VHT0	151	5755	MCS0	20.50	20.38
		159	5795		20.50	20.22
	802.11ax40-HE0	151	5755	MCS0	20.50	20.32
		159	5795		20.50	20.29
	802.11ac80-VHT0	155	5775	MCS0	19.50	18.85
	802.11ax80-HE0	155	5775	MCS0	19.50	18.90

Bluetooth conducted power table:

Aux Antenna								
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	11.00	10.26	7.00	6.14	7.00	6.15
	CH 39	2441	11.00	10.55	7.00	6.46	7.00	6.47
	CH 78	2480	11.00	10.94	7.00	6.57	7.00	6.58

Aux Antenna				
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
LE_1M	CH 00	2402	7.00	6.99
	CH 19	2440	7.00	6.98
	CH 39	2480	7.00	6.97
LE_2M	CH 00	2402	7.00	6.87
	CH 19	2440	7.00	6.98
	CH 39	2480	7.00	6.99

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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	14.50	14.18
		2	2417		14.50	14.27
		6	2437		14.50	14.35
		10	2457		14.50	14.25
		11	2462		14.50	14.37
		12	2467		14.50	14.05
		13	2472		14.50	14.01
	802.11g	1	2412	6Mbps	14.50	14.45
		2	2417		14.50	14.41
		6	2437		14.50	14.46
		10	2457		14.50	14.45
		11	2462		14.50	14.46
		12	2467		14.50	13.92
		13	2472		11.50	11.42
	802.11n20-HT0	1	2412	MCS0	14.50	14.47
		2	2417		14.50	14.05
		6	2437		14.50	14.48
		10	2457		14.50	14.33
		11	2462		14.50	14.49
		12	2467		14.50	14.24
		13	2472		11.50	11.08
	802.11ax20-HE0	1	2412	MCS0	14.50	14.41
		2	2417		14.50	14.42
		6	2437		14.50	14.44
		10	2457		14.50	14.38
		11	2462		14.50	14.39
		12	2467		14.50	14.31
		13	2472		11.50	11.26
	802.11n40-HT0	3	2422	MCS0	14.50	14.15
		4	2427		14.50	14.13
		6	2437		14.50	14.11
		8	2447		14.50	14.25
		9	2452		14.50	14.35
		10	2457		10.50	10.12
		11	2462		8.75	8.43
	802.11ax40-HE0	3	2422	MCS0	14.50	14.14
		4	2427		14.50	14.17
		6	2437		14.50	14.16
		8	2447		14.50	14.27
		9	2452		14.50	14.45
		10	2457		10.50	10.23
		11	2462		8.75	8.41

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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	9.00	8.95
		40	5200		9.00	8.94
		44	5220		9.00	8.96
		48	5240		9.00	8.97
	802.11n20-HT0	36	5180	MCS0	9.00	8.95
		40	5200		9.00	8.91
		44	5220		9.00	8.94
		48	5240		9.00	8.95
	802.11ac20-VHT0	36	5180	MCS0	9.00	8.94
		40	5200		9.00	8.92
		44	5220		9.00	8.96
		48	5240		9.00	8.92
	802.11ax20-HE0	36	5180	MCS0	9.00	8.95
		40	5200		9.00	8.96
		44	5220		9.00	8.92
		48	5240		9.00	8.91
	802.11n40-HT0	38	5190	MCS0	9.00	8.92
		46	5230		9.00	8.94
	802.11ac40-VHT0	38	5190	MCS0	9.00	8.96
		46	5230		9.00	8.94
	802.11ax40-HE0	38	5190	MCS0	9.00	8.95
		46	5230		9.00	8.91
	802.11ac80-VHT0	42	5210	MCS0	9.00	8.99
	802.11ax80-HE0	42	5210	MCS0	9.00	8.93
	802.11ac160-VHT0	50	5250	MCS0	9.00	8.95
	802.11ax160-HE0	50	5250	MCS0	9.00	8.96

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	8.50	8.31
		56	5280		8.50	8.34
		60	5300		8.50	8.36
		64	5320		8.50	8.49
	802.11n20-HT0	52	5260	MCS0	8.50	8.35
		56	5280		8.50	8.35
		60	5300		8.50	8.34
		64	5320		8.50	8.31
	802.11ac20-VHT0	52	5260	MCS0	8.50	8.32
		56	5280		8.50	8.33
		60	5300		8.50	8.31
		64	5320		8.50	8.32
	802.11ax20-HE0	52	5260	MCS0	8.50	8.34
		56	5280		8.50	8.35
		60	5300		8.50	8.34
		64	5320		8.50	8.32
	802.11n40-HT0	54	5270	MCS0	8.50	8.35
		62	5310		8.50	8.28
	802.11ac40-VHT0	54	5270	MCS0	8.50	8.37
		62	5310		8.50	8.35
	802.11ax40-HE0	54	5270	MCS0	8.50	8.34
		62	5310		8.50	8.32
	802.11ac80-VHT0	58	5290	MCS0	8.50	8.47
	802.11ax80-HE0	58	5290	MCS0	8.50	8.31

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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	7.50	7.45
		104	5520		7.50	7.42
		112	5560		7.50	7.46
		116	5580		7.50	7.41
		120	5600		7.50	7.45
		124	5620		7.50	7.38
		136	5680		7.50	7.41
		140	5700		7.50	7.42
		144	5720		7.50	7.45
	802.11n20-HT0	100	5500	MCS0	7.50	7.45
		104	5520		7.50	7.41
		116	5580		7.50	7.45
		120	5600		7.50	7.46
		136	5680		7.50	7.42
		140	5700		7.50	7.41
		144	5720		7.50	7.45
	802.11ac20-VHT0	100	5500	MCS0	7.50	7.41
		104	5520		7.50	7.44
		116	5580		7.50	7.40
		120	5600		7.50	7.42
		136	5680		7.50	7.46
		140	5700		7.50	7.44
		144	5720		7.50	7.45
	802.11ax20-HE0	100	5500	MCS0	7.50	7.41
		104	5520		7.50	7.43
		116	5580		7.50	7.45
		120	5600		7.50	7.40
		136	5680		7.50	7.39
		140	5700		7.50	7.38
		144	5720		7.50	7.40
	802.11n40-HT0	102	5510	MCS0	7.50	7.41
		110	5550		7.50	7.45
		118	5590		7.50	7.41
		134	5670		7.50	7.45
		142	5710		7.50	7.46
	802.11ac40-VHT0	102	5510	MCS0	7.50	7.42
		110	5550		7.50	7.41
		118	5590		7.50	7.45
		134	5670		7.50	7.46
		142	5710		7.50	7.42
	802.11ax40-HE0	102	5510	MCS0	7.50	7.44
		110	5550		7.50	7.40
		118	5590		7.50	7.42
		134	5670		7.50	7.46
		142	5710		7.50	7.44
	802.11ac80-VHT0	106	5530	MCS0	7.50	7.39
		122	5610		7.50	7.40
		138	5690		7.50	7.49
	802.11ax80-HE0	106	5530	MCS0	7.50	7.46
		122	5610		7.50	7.43
		138	5690		7.50	7.40
	802.11ac160-VHT0	114	5570	MCS0	7.50	7.38
	802.11ax160-HE0	114	5570	MCS0	7.50	7.46

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Main Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	7.00	6.96
		157	5785		7.00	6.95
		165	5825		7.00	6.98
	802.11n20-HT0	149	5745	MCS0	7.00	6.94
		157	5785		7.00	6.96
		165	5825		7.00	6.98
	802.11ac20-VHT0	149	5745	MCS0	7.00	6.97
		157	5785		7.00	6.95
		165	5825		7.00	6.91
	802.11ax20-HE0	149	5745	MCS0	7.00	6.95
		157	5785		7.00	6.91
		165	5825		7.00	6.98
	802.11n40-HT0	151	5755	MCS0	7.00	6.91
		159	5795		7.00	6.99
	802.11ac40-VHT0	151	5755	MCS0	7.00	6.95
		159	5795		7.00	6.91
	802.11ax40-HE0	151	5755	MCS0	7.00	6.50
		159	5795		7.00	6.91
	802.11ac80-VHT0	155	5775	MCS0	7.00	6.99
	802.11ax80-HE0	155	5775	MCS0	7.00	6.95

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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	13.50	13.48
		2	2417		13.50	13.47
		6	2437		13.50	13.23
		10	2457		13.50	13.45
		11	2462		13.50	13.17
		12	2467		13.50	12.81
		13	2472		13.50	12.93
	802.11g	1	2412	6Mbps	13.50	13.35
		2	2417		13.50	13.45
		6	2437		13.50	13.37
		10	2457		13.50	13.32
		11	2462		13.50	13.48
		12	2467		13.50	12.82
		13	2472		12.00	11.36
	802.11n20-HT0	1	2412	MCS0	13.50	13.48
		2	2417		13.50	12.89
		6	2437		13.50	13.49
		10	2457		13.50	12.89
		11	2462		13.50	13.38
		12	2467		13.50	12.96
		13	2472		12.00	11.42
	802.11ax20-HE0	1	2412	MCS0	13.50	13.42
		2	2417		13.50	12.88
		6	2437		13.50	12.88
		10	2457		13.50	12.90
		11	2462		13.50	13.43
		12	2467		13.50	12.83
		13	2472		12.00	11.35
	802.11n40-HT0	3	2422	MCS0	13.50	12.93
		4	2427		13.50	12.89
		6	2437		13.50	12.86
		8	2447		13.50	12.83
		9	2452		13.50	13.32
		10	2457		8.00	7.34
		11	2462		7.75	7.14
	802.11ax40-HE0	3	2422	MCS0	13.50	12.90
		4	2427		13.50	13.00
		6	2437		13.50	12.86
		8	2447		13.50	12.98
		9	2452		13.50	12.86
		10	2457		8.00	7.49
		11	2462		7.75	7.06

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	11.00	10.92
		40	5200		11.00	10.90
		44	5220		11.00	10.79
		48	5240		11.00	10.97
	802.11n20-HT0	36	5180	MCS0	11.00	10.79
		40	5200		11.00	10.96
		44	5220		11.00	10.97
		48	5240		11.00	10.87
	802.11ac20-VHT0	36	5180	MCS0	11.00	10.79
		40	5200		11.00	10.96
		44	5220		11.00	10.89
		48	5240		11.00	10.84
	802.11ax20-HE0	36	5180	MCS0	11.00	10.88
		40	5200		11.00	10.96
		44	5220		11.00	10.83
		48	5240		11.00	10.90
	802.11n40-HT0	38	5190	MCS0	11.00	10.85
		46	5230		11.00	10.92
	802.11ac40-VHT0	38	5190	MCS0	11.00	10.81
		46	5230		11.00	10.94
	802.11ax40-HE0	38	5190	MCS0	11.00	10.79
		46	5230		11.00	10.86
	802.11ac80-VHT0	42	5210	MCS0	11.00	10.99
	802.11ax80-HE0	42	5210	MCS0	11.00	10.90
	802.11ac160-VHT0	50	5250	MCS0	11.00	10.86
	802.11ax160-HE0	50	5250	MCS0	11.00	10.96

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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	11.50	11.41
		56	5280		11.50	11.49
		60	5300		11.50	11.46
		64	5320		11.50	11.45
	802.11n20-HT0	52	5260	MCS0	11.50	11.29
		56	5280		11.50	11.34
		60	5300		11.50	11.30
		64	5320		11.50	11.39
	802.11ac20-VHT0	52	5260	MCS0	11.50	11.46
		56	5280		11.50	11.36
		60	5300		11.50	11.47
		64	5320		11.50	11.37
	802.11ax20-HE0	52	5260	MCS0	11.50	11.37
		56	5280		11.50	11.33
		60	5300		11.50	11.44
		64	5320		11.50	11.39
	802.11n40-HT0	54	5270	MCS0	11.50	11.43
		62	5310		11.50	11.49
	802.11ac40-VHT0	54	5270	MCS0	11.50	11.40
		62	5310		11.50	11.45
	802.11ax40-HE0	54	5270	MCS0	11.50	11.29
		62	5310		11.50	11.46
	802.11ac80-VHT0	58	5290	MCS0	11.50	11.48
	802.11ax80-HE0	58	5290	MCS0	11.50	11.30

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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	10.50	10.34
		104	5520		10.50	10.44
		112	5560		10.50	10.37
		116	5580		10.50	10.35
		120	5600		10.50	10.29
		124	5620		10.50	10.46
		136	5680		10.50	10.36
		140	5700		10.50	10.36
		144	5720		10.50	10.39
	802.11n20-HT0	100	5500	MCS0	10.50	10.37
		104	5520		10.50	10.45
		116	5580		10.50	10.28
		120	5600		10.50	10.42
		136	5680		10.50	10.30
		140	5700		10.50	10.28
		144	5720		10.50	10.35
	802.11ac20-VHT0	100	5500	MCS0	10.50	10.29
		104	5520		10.50	10.30
		116	5580		10.50	10.42
		120	5600		10.50	10.40
		136	5680		10.50	10.45
		140	5700		10.50	10.43
		144	5720		10.50	10.41
	802.11ax20-HE0	100	5500	MCS0	10.50	10.43
		104	5520		10.50	10.33
		116	5580		10.50	10.32
		120	5600		10.50	10.39
		136	5680		10.50	10.33
		140	5700		10.50	10.35
		144	5720		10.50	10.29
	802.11n40-HT0	102	5510	MCS0	10.50	10.36
		110	5550		10.50	10.36
		118	5590		10.50	10.39
		134	5670		10.50	10.37
		142	5710		10.50	10.45
	802.11ac40-VHT0	102	5510	MCS0	10.50	10.35
		110	5550		10.50	10.29
		118	5590		10.50	10.36
		134	5670		10.50	10.36
		142	5710		10.50	10.39
	802.11ax40-HE0	102	5510	MCS0	10.50	10.37
		110	5550		10.50	10.45
		118	5590		10.50	10.36
		134	5670		10.50	10.39
		142	5710		10.50	10.37
	802.11ac80-VHT0	106	5530	MCS0	10.50	10.46
		122	5610		10.50	10.37
		138	5690		10.50	10.48
	802.11ax80-HE0	106	5530	MCS0	10.50	10.45
		122	5610		10.50	10.35
		138	5690		10.50	10.29
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.49
	802.11ax160-HE0	114	5570	MCS0	10.50	10.45

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Aux Antenna						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5800 MHz	802.11a	149	5745	6Mbps	9.50	9.45
		157	5785		9.50	9.49
		165	5825		9.50	9.43
	802.11n20-HT0	149	5745	MCS0	9.50	9.32
		157	5785		9.50	9.40
		165	5825		9.50	9.45
	802.11ac20-VHT0	149	5745	MCS0	9.50	9.43
		157	5785		9.50	9.42
		165	5825		9.50	9.43
	802.11ax20-HE0	149	5745	MCS0	9.50	9.29
		157	5785		9.50	9.43
		165	5825		9.50	9.41
	802.11n40-HT0	151	5755	MCS0	9.50	9.49
		159	5795		9.50	9.48
	802.11ac40-VHT0	151	5755	MCS0	9.50	9.46
		159	5795		9.50	9.45
	802.11ax40-HE0	151	5755	MCS0	9.50	9.43
		159	5795		9.50	9.42
	802.11ac80-VHT0	155	5775	MCS0	9.50	9.39
	802.11ax80-HE0	155	5775	MCS0	9.50	9.45

Bluetooth conducted power table:

Aux Antenna								
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	11.00	10.26	7.00	6.14	7.00	6.15
	CH 39	2441	11.00	10.55	7.00	6.46	7.00	6.47
	CH 78	2480	11.00	10.94	7.00	6.57	7.00	6.58

Aux Antenna				
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
LE_1M	CH 00	2402	7.00	6.99
	CH 19	2440	7.00	6.98
	CH 39	2480	7.00	6.97
LE_2M	CH 00	2402	7.00	6.87
	CH 19	2440	7.00	6.98
	CH 39	2480	7.00	6.99

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MIMO power

Notebook mode

					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
2450 MHz	802.11n20-HT0	1	2412	MCS0	15.00	13.87	15.00	13.96	18.00	16.93
		2	2417		17.00	15.90	17.00	15.93	20.00	18.93
		6	2437		18.00	16.84	18.00	16.91	21.00	19.89
		10	2457		16.25	15.18	16.25	15.17	19.25	18.19
		11	2462		14.50	13.43	14.50	13.33	17.50	16.39
		12	2467		11.75	10.57	11.75	10.61	14.75	13.60
		13	2472		8.00	6.84	8.00	6.98	11.00	9.92
	802.11ax20-HE0	1	2412	MCS0	15.00	13.88	15.00	13.92	18.00	16.91
		2	2417		17.00	15.91	17.00	15.87	20.00	18.90
		6	2437		18.00	16.82	18.00	16.85	21.00	19.85
		10	2457		16.25	15.21	16.25	15.17	19.25	18.20
		11	2462		14.50	13.32	14.50	13.32	17.50	16.33
		12	2467		11.75	10.63	11.75	10.60	14.75	13.63
		13	2472		8.00	6.89	8.00	6.84	11.00	9.88
	802.11n40-HT0	3	2422	MCS0	13.25	12.19	13.25	12.21	16.25	15.21
		4	2427		15.00	13.93	15.00	13.95	18.00	16.95
		6	2437		16.00	14.97	16.00	14.98	19.00	17.99
		8	2447		14.75	13.72	14.75	13.62	17.75	16.68
		9	2452		14.00	12.87	14.00	12.87	17.00	15.88
		10	2457		7.75	6.62	7.75	6.62	10.75	9.63
		11	2462		6.75	5.56	6.75	5.59	9.75	8.59
	802.11ax40-HE0	3	2422	MCS0	13.25	12.23	13.25	12.14	16.25	15.20
		4	2427		15.00	13.90	15.00	13.99	18.00	16.96
		6	2437		16.00	14.86	16.00	14.91	19.00	17.90
		8	2447		14.75	13.71	14.75	13.61	17.75	16.67
		9	2452		14.00	12.83	14.00	12.92	17.00	15.89
		10	2457		7.75	6.66	7.75	6.59	10.75	9.64
		11	2462		6.75	5.60	6.75	5.61	9.75	8.62

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					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
5.15-5.25 GHz	802.11n20-HT0	36	5180	MCS0	16.50	15.33	16.50	15.42	19.50	18.39
		40	5200		19.00	17.90	19.00	17.87	22.00	20.90
		44	5220		19.00	17.93	19.00	17.84	22.00	20.90
		48	5240		18.00	16.87	18.00	16.96	21.00	19.93
	802.11ac20-VHT0	36	5180	MCS0	16.50	15.34	16.50	15.41	19.50	18.39
		40	5200		19.00	17.82	19.00	17.89	22.00	20.87
		44	5220		19.00	17.81	19.00	17.83	22.00	20.83
		48	5240		18.00	16.96	18.00	16.98	21.00	19.98
	802.11ax20-HE0	36	5180	MCS0	16.50	15.35	16.50	15.31	19.50	18.34
		40	5200		19.00	17.92	19.00	17.85	22.00	20.90
		44	5220		19.00	17.94	19.00	17.87	22.00	20.92
		48	5240		18.00	16.90	18.00	16.85	21.00	19.89
	802.11n40-HT0	38	5190	MCS0	16.50	15.30	16.50	15.48	19.50	18.40
		46	5230		18.00	16.95	18.00	16.81	21.00	19.89
	802.11ac40-VHT0	38	5190	MCS0	16.50	15.37	16.50	15.46	19.50	18.43
		46	5230		18.00	16.85	18.00	16.96	21.00	19.92
	802.11ax40-HE0	38	5190	MCS0	16.50	15.39	16.50	15.35	19.50	18.38
		46	5230		18.00	16.90	18.00	16.81	21.00	19.87
	802.11ac80-VHT0	42	5210	MCS0	16.00	14.92	16.00	14.89	19.00	17.92
	802.11ax80-HE0	42	5210	MCS0	16.00	14.82	16.00	14.81	19.00	17.83
	802.11ac160-VHT0	50	5250	MCS0	13.50	12.40	13.50	12.47	16.50	15.45
	802.11ax160-HE0	50	5250	MCS0	13.50	12.42	13.50	12.43	16.50	15.44

					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
5.25-5.35 GHz	802.11n20-HT0	52	5260	MCS0	19.00	17.85	19.00	17.87	22.00	20.87
		56	5280		19.00	17.84	19.00	17.83	22.00	20.85
		60	5300		19.00	17.91	19.00	17.80	22.00	20.87
		64	5320		17.00	15.88	17.00	15.96	20.00	18.93
	802.11ac20-VHT0	52	5260	MCS0	19.00	17.91	19.00	17.86	22.00	20.90
		56	5280		19.00	17.88	19.00	17.91	22.00	20.91
		60	5300		19.00	17.98	19.00	17.81	22.00	20.91
		64	5320		17.00	15.99	17.00	15.96	20.00	18.99
	802.11ax20-HE0	52	5260	MCS0	19.00	17.99	19.00	17.93	22.00	20.97
		56	5280		19.00	17.89	19.00	17.85	22.00	20.88
		60	5300		19.00	17.93	19.00	17.93	22.00	20.94
		64	5320		17.00	15.90	17.00	15.82	20.00	18.87
	802.11n40-HT0	54	5270	MCS0	18.75	17.62	18.75	17.65	21.75	20.65
		62	5310		14.25	13.12	14.25	13.13	17.25	16.14
	802.11ac40-VHT0	54	5270	MCS0	18.75	17.66	18.75	17.57	21.75	20.63
		62	5310		14.25	13.10	14.25	13.10	17.25	16.11
	802.11ax40-HE0	54	5270	MCS0	18.75	17.67	18.75	17.55	21.75	20.62
		62	5310		14.50	13.47	14.50	13.36	17.50	16.43
	802.11ac80-VHT0	58	5290	MCS0	15.25	14.17	15.25	14.22	18.25	17.21
	802.11ax80-HE0	58	5290	MCS0	15.25	14.13	15.25	14.10	18.25	17.13

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					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
5600 MHz	802.11n20-HT0	100	5500	MCS0	17.00	15.87	17.00	15.86	20.00	18.88
		104	5520		19.25	18.19	19.25	18.16	22.25	21.19
		116	5580		19.25	18.17	19.25	18.08	22.25	21.14
		120	5600		19.25	18.20	19.25	18.11	22.25	21.17
		136	5680		19.25	18.18	19.25	18.18	22.25	21.19
		140	5700		17.00	15.93	17.00	15.98	20.00	18.97
		144	5720		19.00	17.97	19.00	17.83	22.00	20.91
	802.11ac20-VHT0	100	5500	MCS0	17.00	15.96	17.00	15.82	20.00	18.90
		104	5520		19.25	18.13	19.25	18.06	22.25	21.11
		116	5580		19.25	18.13	19.25	18.12	22.25	21.14
		120	5600		19.25	18.24	19.25	18.21	22.25	21.24
		136	5680		19.25	18.10	19.25	18.11	22.25	21.12
		140	5700		17.00	15.82	17.00	15.91	20.00	18.88
		144	5720		19.00	17.85	19.00	17.85	22.00	20.86
	802.11ax20-HE0	100	5500	MCS0	17.00	16.00	17.00	15.98	20.00	19.00
		104	5520		19.25	18.14	19.25	18.16	22.25	21.16
		116	5580		19.25	18.16	19.25	18.24	22.25	21.21
		120	5600		19.25	18.14	19.25	18.18	22.25	21.17
		136	5680		19.25	18.17	19.25	18.17	22.25	21.18
		140	5700		17.00	15.98	17.00	15.96	20.00	18.98
		144	5720		19.00	17.98	19.00	17.91	22.00	20.96
	802.11n40-HT0	102	5510	MCS0	17.00	15.88	17.00	15.99	20.00	18.95
		110	5550		18.25	17.19	18.25	17.22	21.25	20.22
		118	5590		19.00	17.89	19.00	17.85	22.00	20.88
		134	5670		18.00	16.92	18.00	16.92	21.00	19.93
		142	5710		19.00	17.97	19.00	17.84	22.00	20.92
	802.11ac40-VHT0	102	5510	MCS0	17.00	15.90	17.00	15.89	20.00	18.91
		110	5550		18.25	17.08	18.25	17.13	21.25	20.12
		118	5590		18.00	16.94	18.00	16.92	21.00	19.94
		134	5670		19.00	17.86	19.00	17.90	22.00	20.89
		142	5710		19.00	17.86	19.00	17.96	22.00	20.92
	802.11ax40-HE0	102	5510	MCS0	17.00	15.92	17.00	15.99	20.00	18.97
		110	5550		18.25	17.19	18.25	17.08	21.25	20.15
		118	5590		19.00	17.86	19.00	17.98	22.00	20.93
		134	5670		18.00	16.81	18.00	16.94	21.00	19.89
		142	5710		19.00	17.94	19.00	17.92	22.00	20.94
	802.11ac80-VHT0	106	5530	MCS0	16.25	15.21	16.25	15.16	19.25	18.20
		122	5610		18.25	17.13	18.25	17.16	21.25	20.16
		138	5690		19.00	17.96	19.00	17.95	22.00	20.97
	802.11ax80-HE0	106	5530	MCS0	16.25	15.20	16.25	15.15	19.25	18.19
		122	5610		18.75	17.67	18.75	17.71	21.75	20.70
		138	5690		19.00	17.87	19.00	17.94	22.00	20.92
	802.11ac160-VHT0	114	5570	MCS0	12.50	11.31	12.50	11.44	15.50	14.39
	802.11ax160-HE0	114	5570	MCS0	12.50	11.49	12.50	11.37	15.50	14.44

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					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
5800 MHz	802.11n20-HT0	149	5745	MCS0	18.75	17.57	18.75	17.60	21.75	20.60
		157	5785		19.00	17.99	19.00	17.88	22.00	20.95
		165	5825		19.00	17.94	19.00	17.97	22.00	20.97
	802.11ac20-VHT0	149	5745	MCS0	18.75	17.73	18.75	17.69	21.75	20.72
		157	5785		19.00	17.94	19.00	17.80	22.00	20.88
		165	5825		19.00	17.98	19.00	17.81	22.00	20.91
	802.11ax20-HE0	149	5745	MCS0	18.75	17.64	18.75	17.65	21.75	20.66
		157	5785		19.00	17.94	19.00	18.00	22.00	20.98
		165	5825		19.00	17.84	19.00	17.94	22.00	20.90
	802.11n40-HT0	151	5755	MCS0	19.00	17.92	19.00	17.87	22.00	20.91
		159	5795		19.00	17.87	19.00	17.90	22.00	20.90
	802.11ac40-VHT0	151	5755	MCS0	19.00	17.93	19.00	17.86	22.00	20.91
		159	5795		19.00	17.81	19.00	17.83	22.00	20.83
	802.11ax40-HE0	151	5755	MCS0	19.00	17.85	19.00	17.95	22.00	20.91
		159	5795		19.00	17.86	19.00	17.88	22.00	20.88
	802.11ac80-VHT0	155	5775	MCS0	17.50	16.40	17.50	16.48	20.50	19.45
	802.11ax80-HE0	155	5775	MCS0	17.25	16.16	17.25	16.22	20.25	19.20

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Tablet mode

					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
2450 MHz	802.11n20-HT0	1	2412	MCS0	14.50	13.45	13.50	13.44	17.00	16.46
		2	2417		14.50	13.49	13.50	13.44	17.00	16.48
		6	2437		14.50	13.45	13.50	13.50	17.00	16.49
		10	2457		14.50	13.48	13.50	13.31	17.00	16.41
		11	2462		14.50	13.33	13.50	13.38	17.00	16.37
		12	2467		11.75	10.57	11.75	10.61	14.75	13.60
		13	2472		8.00	6.84	8.00	6.98	11.00	9.92
	802.11ax20-HE0	1	2412	MCS0	14.50	13.47	13.50	13.31	17.00	16.40
		2	2417		14.50	13.39	13.50	13.36	17.00	16.39
		6	2437		14.50	13.50	13.50	13.30	17.00	16.41
		10	2457		14.50	13.35	13.50	13.45	17.00	16.41
		11	2462		14.50	13.48	13.50	13.40	17.00	16.45
		12	2467		11.75	10.63	11.75	10.60	14.75	13.63
		13	2472		8.00	6.89	8.00	6.84	11.00	9.88
	802.11n40-HT0	3	2422	MCS0	13.25	12.19	13.25	12.21	16.25	15.21
		4	2427		14.50	13.46	13.50	13.47	17.00	16.48
		6	2437		14.50	13.49	13.50	13.36	17.00	16.44
		8	2447		14.50	13.41	13.50	13.39	17.00	16.41
		9	2452		14.00	12.87	13.50	13.41	16.75	16.16
		10	2457		7.75	6.62	7.75	6.62	10.75	9.63
		11	2462		6.75	5.56	6.75	5.59	9.75	8.59
	802.11ax40-HE0	3	2422	MCS0	13.25	12.23	13.25	12.14	16.25	15.20
		4	2427		14.50	13.34	13.50	13.35	17.00	16.36
		6	2437		14.50	13.38	13.50	13.47	17.00	16.44
		8	2447		14.50	13.33	13.50	13.32	17.00	16.34
		9	2452		14.00	12.83	13.50	13.35	16.75	16.11
		10	2457		7.75	6.66	7.75	6.59	10.75	9.64
		11	2462		6.75	5.60	6.75	5.61	9.75	8.62

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5.15-5.25 GHz	802.11n20-HT0	36	5180	MCS0	9.00	7.95	11.00	10.86	13.00	12.65
		40	5200		9.00	7.82	11.00	10.80	13.00	12.57
		44	5220		9.00	7.94	11.00	10.81	13.00	12.62
		48	5240		9.00	7.94	11.00	10.80	13.00	12.61
	802.11ac20-VHT0	36	5180	MCS0	9.00	7.87	11.00	10.83	13.00	12.61
		40	5200		9.00	7.94	11.00	10.82	13.00	12.62
		44	5220		9.00	7.87	11.00	10.84	13.00	12.61
		48	5240		9.00	7.94	11.00	10.80	13.00	12.61
	802.11ax20-HE0	36	5180	MCS0	9.00	7.98	11.00	10.91	13.00	12.70
		40	5200		9.00	7.95	11.00	10.91	13.00	12.69
		44	5220		9.00	7.92	11.00	10.80	13.00	12.60
		48	5240		9.00	7.97	11.00	10.85	13.00	12.65
	802.11n40-HT0	38	5190	MCS0	9.00	7.85	11.00	10.81	13.00	12.59
		46	5230		9.00	7.83	11.00	10.90	13.00	12.64
	802.11ac40-VHT0	38	5190	MCS0	9.00	7.95	11.00	10.89	13.00	12.67
		46	5230		9.00	7.87	11.00	10.98	13.00	12.71
	802.11ax40-HE0	38	5190	MCS0	9.00	7.82	11.00	10.88	13.00	12.62
		46	5230		9.00	7.83	11.00	10.83	13.00	12.59
	802.11ac80-VHT0	42	5210	MCS0	9.00	7.95	11.00	10.98	13.00	12.73
	802.11ax80-HE0	42	5210	MCS0	9.00	7.91	11.00	10.85	13.00	12.63
	802.11ac160-VHT0	50	5250	MCS0	9.00	7.97	11.00	10.95	13.00	12.72
	802.11ax160-HE0	50	5250	MCS0	9.00	7.92	11.00	10.88	13.00	12.66

					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
5.25-5.35 GHz	802.11n20-HT0	52	5260	MCS0	8.50	7.45	11.50	11.40	13.00	12.87
		56	5280		8.50	7.48	11.50	11.38	13.00	12.86
		60	5300		8.50	7.47	11.50	11.45	13.00	12.91
		64	5320		8.50	7.36	11.50	11.38	13.00	12.83
	802.11ac20-VHT0	52	5260	MCS0	8.50	7.46	11.50	11.38	13.00	12.86
		56	5280		8.50	7.40	11.50	11.33	13.00	12.81
		60	5300		8.50	7.44	11.50	11.47	13.00	12.92
		64	5320		8.50	7.45	11.50	11.41	13.00	12.88
	802.11ax20-HE0	52	5260	MCS0	8.50	7.36	11.50	11.45	13.00	12.88
		56	5280		8.50	7.33	11.50	11.39	13.00	12.83
		60	5300		8.50	7.35	11.50	11.42	13.00	12.86
		64	5320		8.50	7.32	11.50	11.33	13.00	12.78
	802.11n40-HT0	54	5270	MCS0	8.50	7.47	11.50	11.43	13.00	12.90
		62	5310		8.50	7.39	11.50	11.41	13.00	12.86
	802.11ac40-VHT0	54	5270	MCS0	8.50	7.32	11.50	11.32	13.00	12.78
		62	5310		8.50	7.47	11.50	11.40	13.00	12.88
	802.11ax40-HE0	54	5270	MCS0	8.50	7.50	11.50	11.38	13.00	12.87
		62	5310		8.50	7.33	11.50	11.46	13.00	12.88
	802.11ac80-VHT0	58	5290	MCS0	8.50	7.33	11.50	11.34	13.00	12.79
	802.11ax80-HE0	58	5290	MCS0	8.50	7.37	11.50	11.32	13.00	12.79

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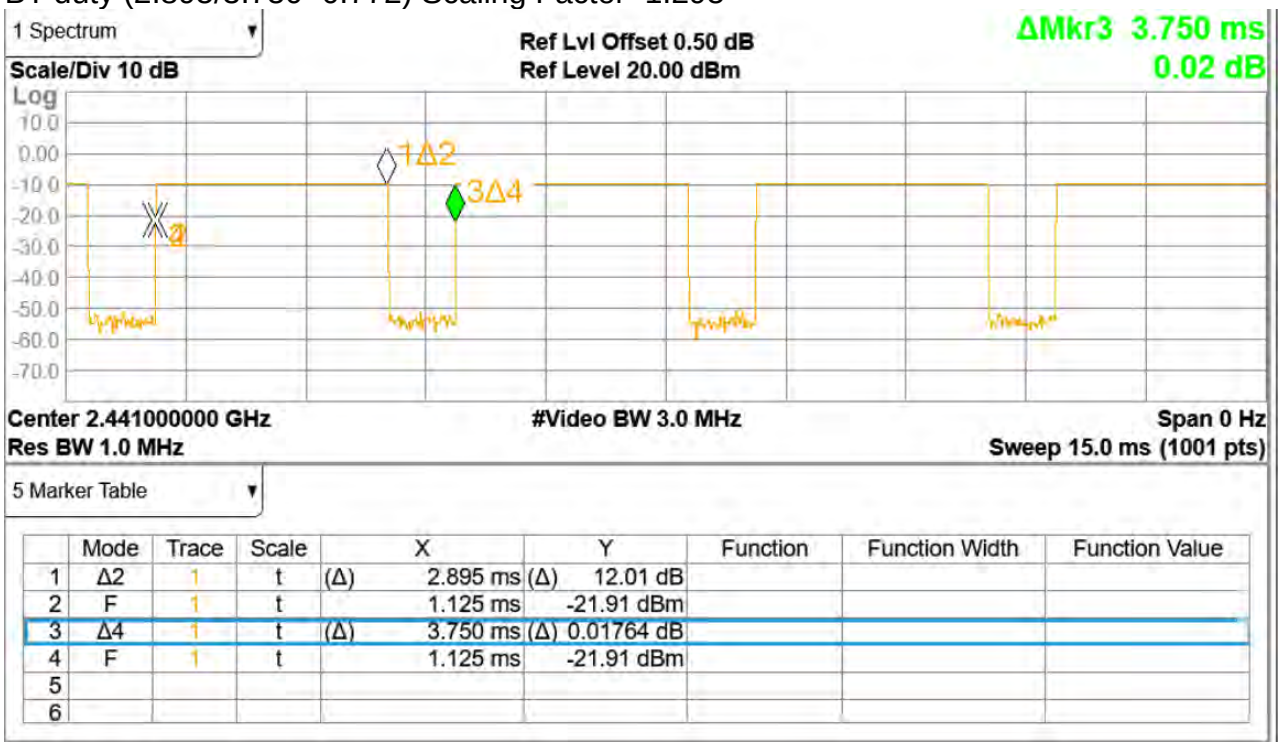
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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5600 MHz	802.11n20-HT0	100	5500	MCS0	7.50	6.33	10.50	10.42	12.00	11.85
		104	5520		7.50	6.34	10.50	10.46	12.00	11.88
		116	5580		7.50	6.32	10.50	10.34	12.00	11.79
		120	5600		7.50	6.42	10.50	10.45	12.00	11.90
		136	5680		7.50	6.48	10.50	10.32	12.00	11.82
		140	5700		7.50	6.35	10.50	10.36	12.00	11.81
		144	5720		7.50	6.31	10.50	10.43	12.00	11.85
	802.11ac20-VHT0	100	5500	MCS0	7.50	6.46	10.50	10.44	12.00	11.90
		104	5520		7.50	6.35	10.50	10.48	12.00	11.90
		116	5580		7.50	6.43	10.50	10.39	12.00	11.86
		120	5600		7.50	6.42	10.50	10.49	12.00	11.93
		136	5680		7.50	6.38	10.50	10.44	12.00	11.88
		140	5700		7.50	6.32	10.50	10.46	12.00	11.88
		144	5720		7.50	6.46	10.50	10.39	12.00	11.87
	802.11ax20-HE0	100	5500	MCS0	7.50	6.36	10.50	10.33	12.00	11.79
		104	5520		7.50	6.37	10.50	10.44	12.00	11.88
		116	5580		7.50	6.43	10.50	10.44	12.00	11.89
		120	5600		7.50	6.48	10.50	10.43	12.00	11.90
		136	5680		7.50	6.31	10.50	10.45	12.00	11.87
		140	5700		7.50	6.49	10.50	10.40	12.00	11.88
		144	5720		7.50	6.30	10.50	10.48	12.00	11.88
	802.11n40-HT0	102	5510	MCS0	7.50	6.44	10.50	10.40	12.00	11.87
		110	5550		7.50	6.37	10.50	10.38	12.00	11.83
		118	5590		7.50	6.45	10.50	10.34	12.00	11.83
		134	5670		7.50	6.32	10.50	10.33	12.00	11.78
		142	5710		7.50	6.32	10.50	10.45	12.00	11.87
	802.11ac40-VHT0	102	5510	MCS0	7.50	6.35	10.50	10.47	12.00	11.89
		110	5550		7.50	6.49	10.50	10.33	12.00	11.83
		118	5590		7.50	6.35	10.50	10.31	12.00	11.78
		134	5670		7.50	6.31	10.50	10.33	12.00	11.78
		142	5710		7.50	6.30	10.50	10.40	12.00	11.83
	802.11ax40-HE0	102	5510	MCS0	7.50	6.45	10.50	10.44	12.00	11.90
		110	5550		7.50	6.36	10.50	10.41	12.00	11.85
		118	5590		7.50	6.48	10.50	10.38	12.00	11.86
		134	5670		7.50	6.36	10.50	10.38	12.00	11.83
		142	5710		7.50	6.44	10.50	10.34	12.00	11.82
	802.11ac80-VHT0	106	5530	MCS0	7.50	6.38	10.50	10.39	12.00	11.84
		122	5610		7.50	6.34	10.50	10.38	12.00	11.82
		138	5690		7.50	6.34	10.50	10.33	12.00	11.79
	802.11ax80-HE0	106	5530	MCS0	7.50	6.46	10.50	10.40	12.00	11.87
		122	5610		7.50	6.31	10.50	10.38	12.00	11.82
		138	5690		7.50	6.45	10.50	10.39	12.00	11.86
	802.11ac160-VHT0	114	5570	MCS0	7.50	6.45	9.50	9.42	11.50	11.19
	802.11ax160-HE0	114	5570	MCS0	7.50	6.36	9.50	9.43	11.50	11.17

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					Main Ant		Aux Ant		MIMO	
Band	Mode	Channel	Frequency (MHz)	Data Rate	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)
5800 MHz	802.11n20-HT0	149	5745	MCS0	7.00	5.92	9.50	9.40	11.25	11.01
		157	5785		7.00	5.80	9.50	9.41	11.25	10.98
		165	5825		7.00	6.00	9.50	9.40	11.25	11.03
	802.11ac20-VHT0	149	5745	MCS0	7.00	5.91	9.50	9.30	11.25	10.94
		157	5785		7.00	5.86	9.50	9.46	11.25	11.03
		165	5825		7.00	5.88	9.50	9.43	11.25	11.02
	802.11ax20-HE0	149	5745	MCS0	7.00	5.99	9.50	9.32	11.25	10.98
		157	5785		7.00	5.86	9.50	9.38	11.25	10.98
		165	5825		7.00	5.94	9.50	9.35	11.25	10.98
	802.11n40-HT0	151	5755	MCS0	7.00	5.89	9.50	9.43	11.25	11.02
		159	5795		7.00	5.98	9.50	9.46	11.25	11.07
	802.11ac40-VHT0	151	5755	MCS0	7.00	5.91	9.50	9.38	11.25	10.99
		159	5795		7.00	5.96	9.50	9.34	11.25	10.98
	802.11ax40-HE0	151	5755	MCS0	7.00	5.82	9.50	9.48	11.25	11.03
		159	5795		7.00	6.00	9.50	9.48	11.25	11.09
	802.11ac80-VHT0	155	5775	MCS0	7.00	5.99	9.50	9.47	11.25	11.08
	802.11ax80-HE0	155	5775	MCS0	7.00	5.82	9.50	9.34	11.25	10.94

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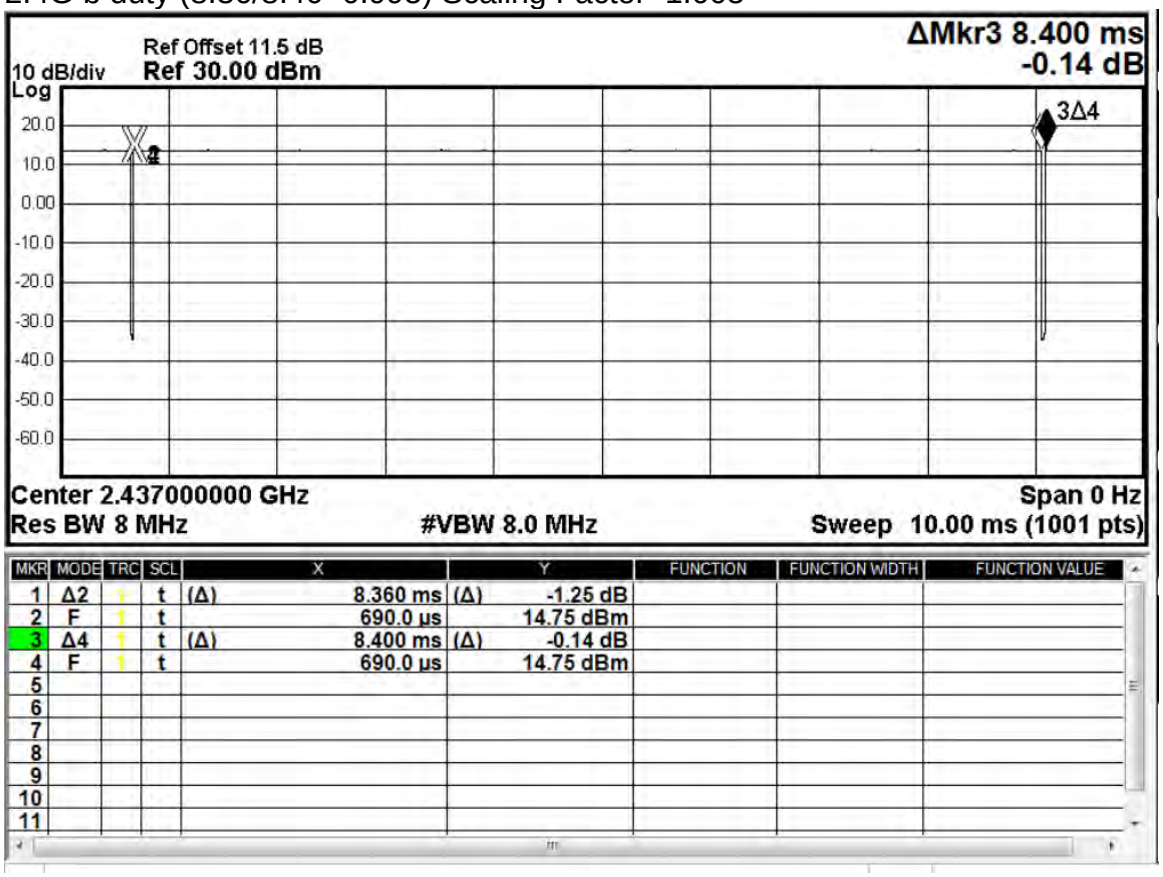
BT duty (2.895/3.750=0.772) Scaling Factor=1.295



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 2.895 ms	(Δ) 12.01 dB			
2	F	1	t	1.125 ms	-21.91 dBm			
3	Δ4	1	t	(Δ) 3.750 ms	(Δ) 0.01764 dB			
4	F	1	t	1.125 ms	-21.91 dBm			
5								
6								

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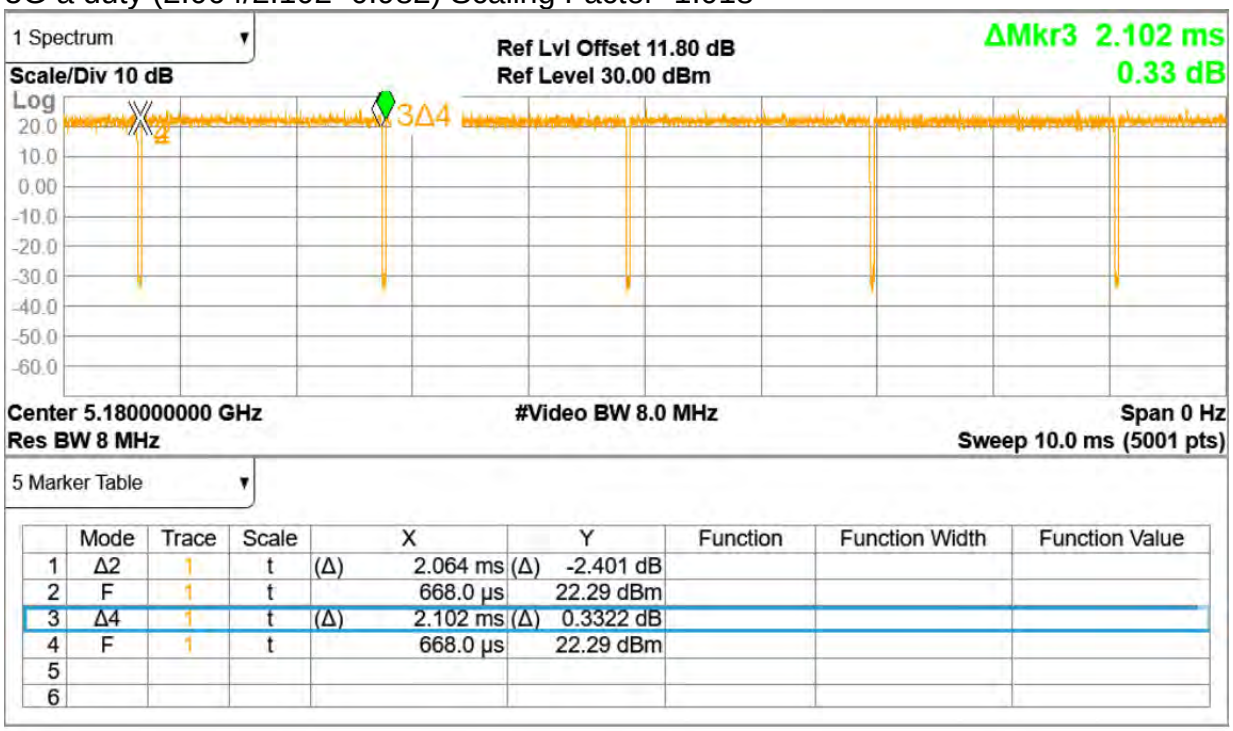
2.4G b duty (8.36/8.40=0.995) Scaling Factor=1.005



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	1	t	(Δ) 8.360 ms	(Δ) -1.25 dB			
2	F	1	t	690.0 µs	14.75 dBm			
3	Δ4	1	t	(Δ) 8.400 ms	(Δ) -0.14 dB			
4	F	1	t	690.0 µs	14.75 dBm			
5								
6								
7								
8								
9								
10								
11								

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5G a duty (2.064/2.102=0.982) Scaling Factor=1.018

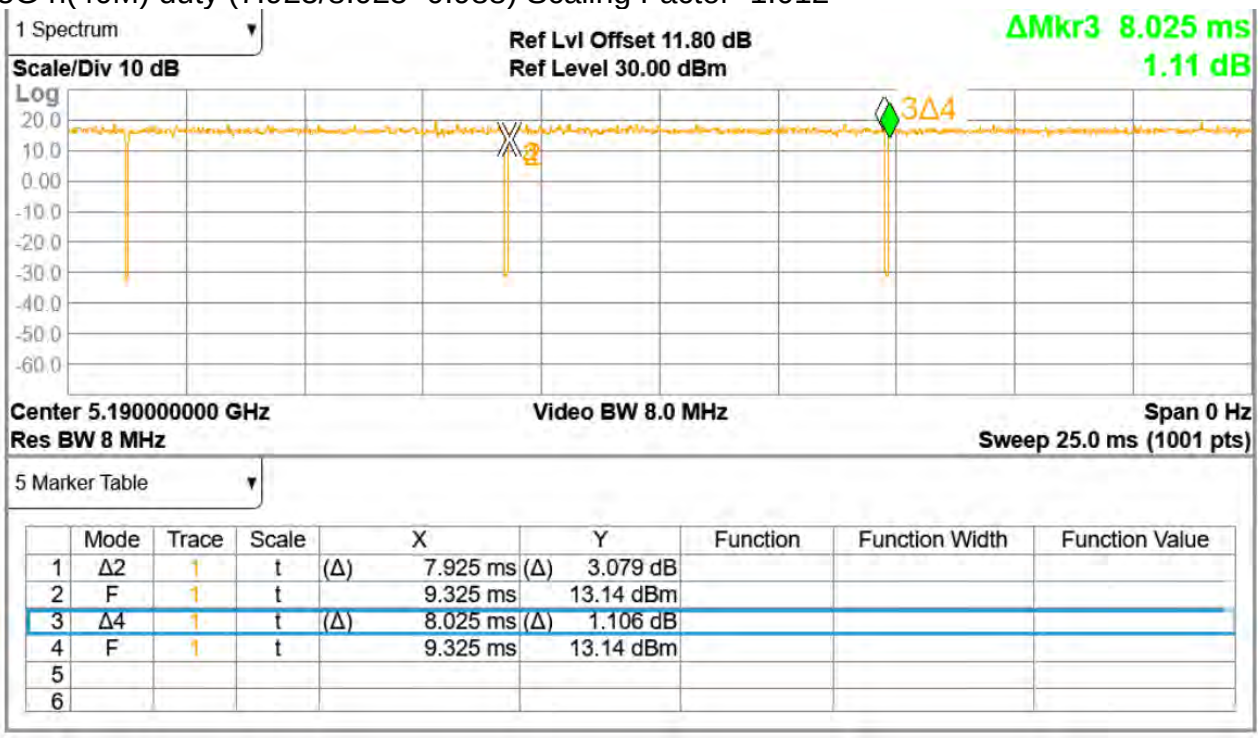


5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 2.064 ms	(Δ) -2.401 dB			
2	F	1	t	668.0 µs	22.29 dBm			
3	Δ4	1	t	(Δ) 2.102 ms	(Δ) 0.3322 dB			
4	F	1	t	668.0 µs	22.29 dBm			
5								
6								

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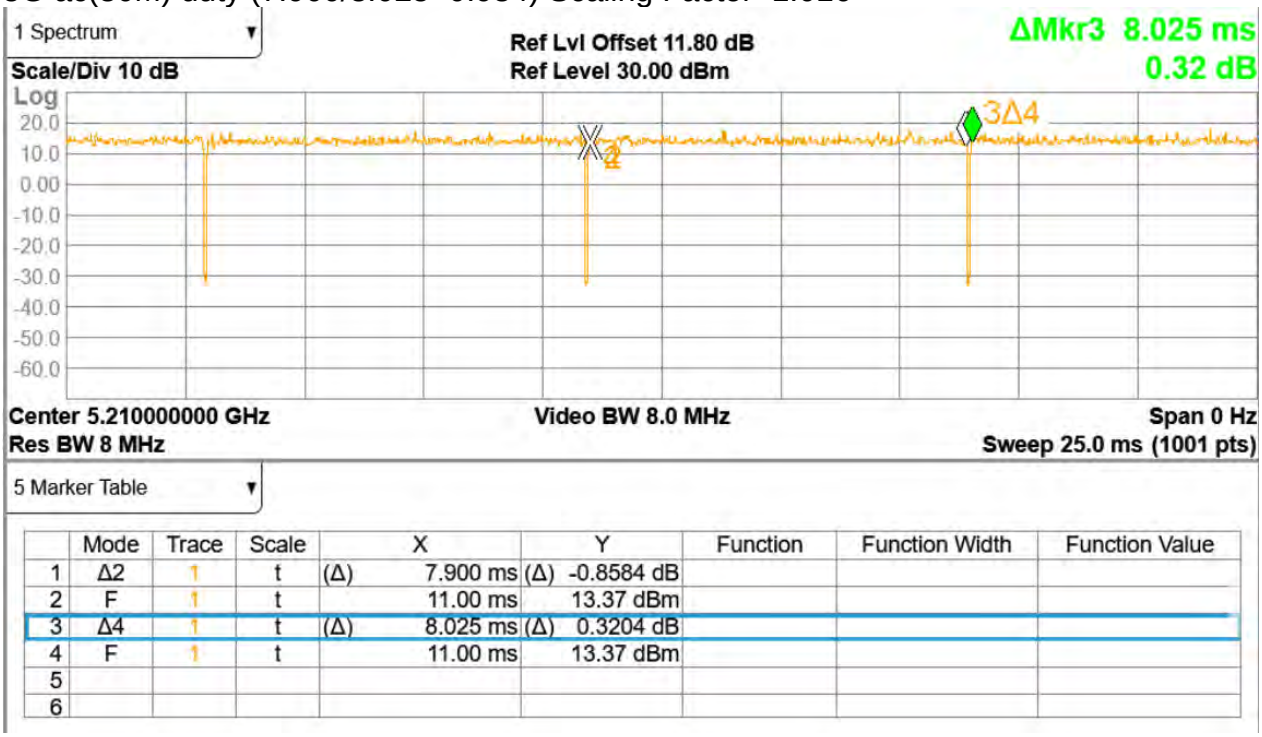
5G n(40M) duty (7.925/8.025=0.988) Scaling Factor=1.012



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 7.925 ms	(Δ) 3.079 dB			
2	F	1	t	9.325 ms	13.14 dBm			
3	Δ4	1	t	(Δ) 8.025 ms	(Δ) 1.106 dB			
4	F	1	t	9.325 ms	13.14 dBm			
5								
6								

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5G ac(80M) duty (7.900/8.025=0.984) Scaling Factor=1.016

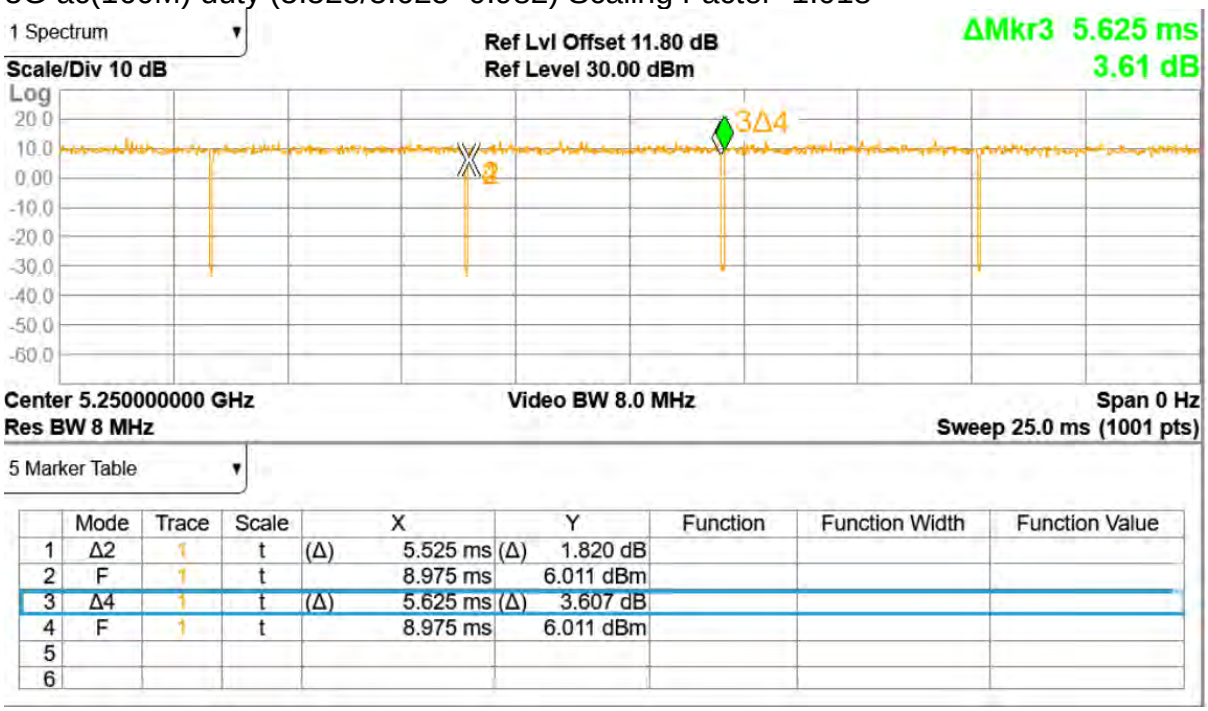


5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 7.900 ms	(Δ) -0.8584 dB			
2	F	1	t	11.00 ms	13.37 dBm			
3	Δ4	1	t	(Δ) 8.025 ms	(Δ) 0.3204 dB			
4	F	1	t	11.00 ms	13.37 dBm			
5								
6								

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5G ac(160M) duty (5.525/5.625=0.982) Scaling Factor=1.018



5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 5.525 ms	(Δ) 1.820 dB			
2	F	1	t	8.975 ms	6.011 dBm			
3	Δ4	1	t	(Δ) 5.625 ms	(Δ) 3.607 dB			
4	F	1	t	8.975 ms	6.011 dBm			
5								
6								

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1.3.7 Uplink CA

Sensor off

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	0	0	23.98	24.50
20	QPSK	2680	41490	1	99	20	QPSK	2660.2	41292	1	0	0	23.90	24.50

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	0	0	23.98	24.50
20	QPSK	2680	41490	1	99	15	QPSK	2662.9	41319	1	0	0	23.94	24.50

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	74	15	QPSK	2518.5	39875	1	0	0	23.92	24.50
15	QPSK	2682.5	41515	1	74	15	QPSK	2667.5	41365	1	0	0	23.79	24.50

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	0	0	23.92	24.50
20	QPSK	2680	41490	1	99	10	QPSK	2665.6	41346	1	0	0	23.82	24.50

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	74	10	QPSK	2515.5	39845	1	0	0	23.83	24.50
15	QPSK	2682.5	41515	1	74	10	QPSK	2670.5	41395	1	0	0	23.81	24.50

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	0	0	23.91	24.50
20	QPSK	2680	41490	1	99	5	QPSK	2668.3	41373	1	0	0	23.80	24.50

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sensor on

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	0	0	15.82	16.00
20	QPSK	2680	41490	1	99	20	QPSK	2660.2	41292	1	0	0	15.17	16.00

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	15	QPSK	2523.1	39921	1	0	0	15.25	16.00
20	QPSK	2680	41490	1	99	15	QPSK	2662.9	41319	1	0	0	15.30	16.00

CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	15	QPSK	2518.5	39875	1	0	0	15.15	16.00
15	QPSK	2682.5	41515	1	74	15	QPSK	2667.5	41365	1	0	0	15.24	16.00

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	10	QPSK	2520.4	39894	1	0	0	15.26	16.00
20	QPSK	2680	41490	1	99	10	QPSK	2665.6	41346	1	0	0	15.14	16.00

CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	10	QPSK	2515.5	39845	1	0	0	15.31	16.00
15	QPSK	2682.5	41515	1	74	10	QPSK	2670.5	41395	1	0	0	15.18	16.00

CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	5	QPSK	2517.7	39867	1	0	0	15.31	16.00
20	QPSK	2680	41490	1	99	5	QPSK	2668.3	41373	1	0	0	15.23	16.00

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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1.3.8 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)	Max.Power with DL CA inactive (dBm)	Configurations
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	1100	1980	24.25	24.50	CA_2A-2A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B4	20	2175	2132.5	24.38	24.50	CA_2A-4A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B5	10	2450	874	24.22	24.50	CA_2A-5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B12	10	5130	741	24.33	24.50	CA_2A-12A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B13	10	5230	751	24.19	24.50	CA_2A-13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B14	10	5330	763	24.38	24.50	CA_2A-14A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B29	10	9715	722.5	24.20	24.50	CA_2A-29A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B30	10	9820	2355	24.24	24.50	CA_2A-30A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B66	20	66536	2120	24.36	24.50	CA_2A-66A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B4	20	2175	2132.5	24.21	24.50	CA_4A-4A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2450	874	24.32	24.50	CA_4A-5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5130	741	24.34	24.50	CA_4A-12A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B13	10	5230	751	24.37	24.50	CA_4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B29	10	9715	722.5	24.26	24.50	CA_4A-29A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B30	10	9820	2355	24.26	24.50	CA_4A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B7	20	3100	2655	24.19	24.50	CA_5A-7A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B25	20	8365	1962.5	24.27	24.50	CA_5A-25A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B30	10	9820	2355	24.33	24.50	CA_5A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	24.32	24.50	CA_5A-66A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3100	2655	22.81	24.50	CA_7A-7A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B20	20	6300	806	22.99	24.50	CA_7A-20A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B28	20	9460	783	22.98	24.50	CA_7A-28A
LTE B12	10	23130	711	QPSK	1	0	5130	741	LTE B25	20	8365	1962.5	24.21	24.50	CA_12A-25A
LTE B12	10	23130	711	QPSK	1	0	5130	741	LTE B30	10	9820	2355	24.15	24.50	CA_12A-30A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66536	2120	22.43	24.50	CA_13A-66A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	23.23	24.00	CA_14A-30A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B66	20	66536	2120	23.22	24.00	CA_14A-66A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8365	1962.5	24.11	24.50	CA_25A-25A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B26	15	8765	866.5	24.22	24.50	CA_25A-26A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B41	20	41490	2680	24.12	24.50	CA_25A-41A
LTE B38	20	38150	2610	QPSK	1	0	38150	2610	LTE B38	20	38000	2595	23.20	24.50	CA_38A-38A
LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40620	2593	23.82	24.50	CA_41A-41A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B12	10	5130	741	23.71	24.00	CA_66A-12A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B29	10	9715	722.5	23.69	24.00	CA_66A-29A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B30	10	9820	2355	23.66	24.00	CA_66A-30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	23.65	24.00	CA_66A-66A

Two Component Carrier Maximum Conducted Power_sensor on															
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)	Max.Power with DL CA inactive (dBm)	Configurations
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	1100	1980	16.41	17.00	CA_2A-2A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B4	20	2175	2132.5	16.50	17.00	CA_2A-4A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B5	10	2450	874	16.49	17.00	CA_2A-5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B12	10	5130	741	16.34	17.00	CA_2A-12A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B13	10	5230	751	16.49	17.00	CA_2A-13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B14	10	5330	763	16.41	17.00	CA_2A-14A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B29	10	9715	722.5	16.48	17.00	CA_2A-29A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B30	10	9820	2355	16.53	17.00	CA_2A-30A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B66	20	66536	2120	16.40	17.00	CA_2A-66A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B4	20	2175	2132.5	15.15	15.50	CA_4A-4A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2450	874	15.21	15.50	CA_4A-5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5130	741	15.08	15.50	CA_4A-12A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B13	10	5230	751	15.10	15.50	CA_4A-13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B29	10	9715	722.5	15.02	15.50	CA_4A-29A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B30	10	9820	2355	15.08	15.50	CA_4A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B7	20	3100	2655	17.11	17.50	CA_5A-7A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B25	20	8365	1962.5	17.03	17.50	CA_5A-25A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B30	10	9820	2355	17.05	17.50	CA_5A-30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	17.11	17.50	CA_5A-66A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3100	2655	13.02	14.00	CA_7A-7A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B20	20	6300	806	12.98	14.00	CA_7A-20A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B28	20	9460	783	12.96	14.00	CA_7A-28A
LTE B12	10	23130	711	QPSK	1	0	5130	741	LTE B25	20	8365	1962.5	17.70	18.00	CA_12A-25A
LTE B12	10	23130	711	QPSK	1	0	5130	741	LTE B30	10	9820	2355	17.64	18.00	CA_12A-30A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66536	2120	18.74	19.00	CA_13A-66A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	17.72	18.00	CA_14A-30A
LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B66	20	66536	2120	17.58	18.00	CA_14A-66A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8365	1962.5	16.61	17.00	CA_25A-25A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B26	15	8765	866.5	16.59	17.00	CA_25A-26A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B41	20	41490	2680	16.55	17.00	CA_25A-41A
LTE B38	20	38150	2610	QPSK	1	0	38150	2610	LTE B38	20	38000	2595	15.11	16.00	CA_38A-38A
LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40620	2593	15.21	16.00	CA_41A-41A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B12	10	5130	741	15.59	16.00	CA_66A-12A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B29	10	9715	722.5	15.50	16.00	CA_66A-29A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B30	10	9820	2355	15.61	16.00	CA_66A-30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	15.64	16.00	CA_66A-66A

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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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)	Max.Power with DL CA inactive (dBm)	Configurations
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	1100	1980	LTE B5	10	2450	874	24.08	24.5	CA_2A_2A_5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	1100	1980	LTE B13	10	5230	751	24.14	24.5	CA_2A_2A_13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B4	20	2175	2132.5	LTE B5	10	2450	874	24.11	24.5	CA_2A_4A_5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	24.11	24.5	CA_2A_2A_13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B5	10	2450	874	LTE B30	10	9820	2355	23.99	24.5	CA_2A_5A_30A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B12	10	5130	741	LTE B30	10	9820	2355	24.03	24.5	CA_2A_12A_30A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B14	10	5330	763	LTE B66	20	66932	2159.6	24.1	24.5	CA_2A_14A_66A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	24.09	24.5	CA_2A_29A_30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B4	20	2175	2132.5	LTE B5	10	2450	874	23.95	24.5	CA_4A_4A_5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	24.01	24.5	CA_4A_4A_13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2450	874	LTE B30	10	9820	2355	23.87	24.5	CA_4A_5A_30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5130	741	LTE B30	10	9820	2355	23.87	24.5	CA_4A_12A_30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	24	24.5	CA_4A_29A_30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	LTE B2	20	1100	1980	24.21	24.5	CA_5A_66A_2A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3100	2655	LTE B28	20	9460	783	22.79	24.5	CA_7A_7A_28A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66536	2120	LTE B2	20	1100	1980	22.22	24.5	CA_13A_66A_2A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8365	1962.5	LTE B26	15	8765	866.5	22.21	24.5	CA_25A_25A_26A
LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40620	2593	LTE B25	20	8365	1962.5	22.09	24.5	CA_41A_41A_25A
LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40620	2593	LTE B41	20	40620	2593	22.01	24.5	CA_41A_41A_41A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B12	10	5130	741	LTE B30	10	9820	2355	23.51	24	CA_66A_12A_30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	23.54	24	CA_66A_29A_30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B5	10	2450	874	LTE B30	10	9820	2355	23.65	24	CA_66A_5A_30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B2	20	1100	1980	23.57	24	CA_66A_66A_2A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B5	10	2450	874	23.69	24	CA_66A_66A_5A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B13	10	5230	751	23.65	24	CA_66A_66A_13A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B14	10	5330	763	23.67	24	CA_66A_66A_14A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B66	20	66536	2120	23.6	24	CA_66A_66A_66A

Three Component Carrier Maximum Conducted Power_sensor on																			
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)	Max.Power with DL CA inactive (dBm)	Configurations
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	1100	1980	LTE B5	10	2450	874	16.52	17	CA_2A_2A_5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B2	20	1100	1980	LTE B13	10	5230	751	16.5	17	CA_2A_2A_13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B4	20	2175	2132.5	LTE B5	10	2450	874	16.54	17	CA_2A_4A_5A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	16.48	17	CA_2A_2A_13A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B5	10	2450	874	LTE B30	10	9820	2355	16.43	17	CA_2A_5A_30A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B12	10	5130	741	LTE B30	10	9820	2355	16.37	17	CA_2A_12A_30A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B14	10	5330	763	LTE B66	20	66932	2159.6	16.5	17	CA_2A_14A_66A
LTE B2	20	19100	1900	QPSK	1	0	1100	1980	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	16.47	17	CA_2A_29A_30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B4	20	2175	2132.5	LTE B5	10	2450	874	15.22	15.5	CA_4A_4A_5A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	15.29	15.5	CA_4A_4A_13A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B5	10	2450	874	LTE B30	10	9820	2355	15.29	15.5	CA_4A_5A_30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B12	10	5130	741	LTE B30	10	9820	2355	15.27	15.5	CA_4A_12A_30A
LTE B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	15.33	15.5	CA_4A_29A_30A
LTE B5	10	20525	836.5	QPSK	1	0	2525	881.5	LTE B66	20	66536	2120	LTE B2	20	1100	1980	17.26	17.5	CA_5A_66A_2A
LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3100	2655	LTE B28	20	9460	783	13.19	14	CA_7A_7A_28A
LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66536	2120	LTE B2	20	1100	1980	18.91	19	CA_13A_66A_2A
LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8365	1962.5	LTE B26	15	8765	866.5	16.86	17	CA_25A_25A_26A
LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40620	2593	LTE B25	20	8365	1962.5	15.43	16	CA_41A_41A_25A
LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40620	2593	LTE B41	20	40620	2593	15.39	16	CA_41A_41A_41A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B12	10	5130	741	LTE B30	10	9820	2355	15.74	16	CA_66A_12A_30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	15.71	16	CA_66A_29A_30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B5	10	2450	874	LTE B30	10	9820	2355	15.72	16	CA_66A_5A_30A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B2	20	1100	1980	15.71	16	CA_66A_66A_2A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B5	10	2450	874	15.67	16	CA_66A_66A_5A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B13	10	5230	751	15.76	16	CA_66A_66A_13A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B14	10	5330	763	15.68	16	CA_66A_66A_14A
LTE B66	20	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B66	20	66536	2120	15.72	16	CA_66A_66A_66A

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LTE CA information

A)

The device supports downlink LTE Carrier Aggregation (CA). 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 #37	CA_2A_2A_5A		No
2CC #2	CA_2A-4A		No	3CC #38	CA_2A_2A_13A		No
2CC #3	CA_2A-5A		No	3CC #39	CA_2A_4A_5A		No
2CC #4	CA_2A-12A		No	3CC #40	CA_2A_2A_13A		No
2CC #5	CA_2A-13A		No	3CC #41	CA_2A_5A_30A		No
2CC #6	CA_2A-14A		No	3CC #42	CA_2A_12A_30A		No
2CC #7	CA_2A-29A		No	3CC #43	CA_2A_14A_66A		No
2CC #8	CA_2A-30A		No	3CC #44	CA_2A_29A_30A		No
2CC #9	CA_2A-66A		No	3CC #45	CA_4A_4A_5A		No
2CC #10	CA_4A-4A		No	3CC #46	CA_4A_4A_13A		No
2CC #11	CA_4A-5A		No	3CC #47	CA_4A_5A_30A		No
2CC #12	CA_4A-12A		No	3CC #48	CA_4A_12A_30A		No
2CC #13	CA_4A-13A		No	3CC #49	CA_4A_29A_30A		No
2CC #14	CA_4A-29A		No	3CC #50	CA_5A_66A_2A		No
2CC #15	CA_4A-30A		No	3CC #51	CA_7A_7A_28A		No
2CC #16	CA_5A-7A		No	3CC #52	CA_13A_66A_2A		No
2CC #17	CA_5A-25A		No	3CC #53	CA_25A_25A_26A		No
2CC #18	CA_5A-30A		No	3CC #54	CA_41A_41A_25A		No
2CC #19	CA_5A-66A		No	3CC #55	CA_41A_41A_41A		No
2CC #20	CA_7A-7A		No	3CC #56	CA_66A_12A_30A		No
2CC #21	CA_7A-20A		No	3CC #57	CA_66A_29A_30A		No
2CC #22	CA_7A-28A		No	3CC #58	CA_66A_5A_30A		No
2CC #23	CA_12A-25A		No	3CC #59	CA_66A_66A_2A		No
2CC #24	CA_12A-30A		No	3CC #60	CA_66A_66A_5A		No
2CC #25	CA_13A-66A		No	3CC #61	CA_66A_66A_13A		No
2CC #26	CA_14A-30A		No	3CC #62	CA_66A_66A_14A		No
2CC #27	CA_14A-66A		No	3CC #63	CA_66A_66A_66A		No
2CC #28	CA_25A-25A		No				
2CC #29	CA_25A-26A		No				
2CC #30	CA_25A-41A		No				
2CC #31	CA_38A-38A		No				
2CC #32	CA_41A-41A		No				
2CC #33	CA_66A-12A		No				
2CC #34	CA_66A-29A		No				
2CC #35	CA_66A-30A		No				
2CC #36	CA_66A-66A		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 O peration 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 in tablet mode. Also, the capacitive proximity sensor is collocated with WWAN antenna.

WWAN

Notebook mode

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

Tablet mode

SAR is measured with back/edges touch against the flat phantom (Reduced power)
SAR is measured with back_19mm/top curve_30mm/top_30mm/right_4mm (Full power)

WLAN

Notebook mode

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

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Tablet mode

SAR is measured with back/edges touch against the flat phantom

Note:

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

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

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

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

3. **UMTS:** The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA). The following 5 sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 8 ⇔ $A_{hs} = \beta_{hs}/\beta_c$ = 30/15 ⇔ 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 $\beta_{hs} = 30/15 * \beta_c$
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

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

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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.		

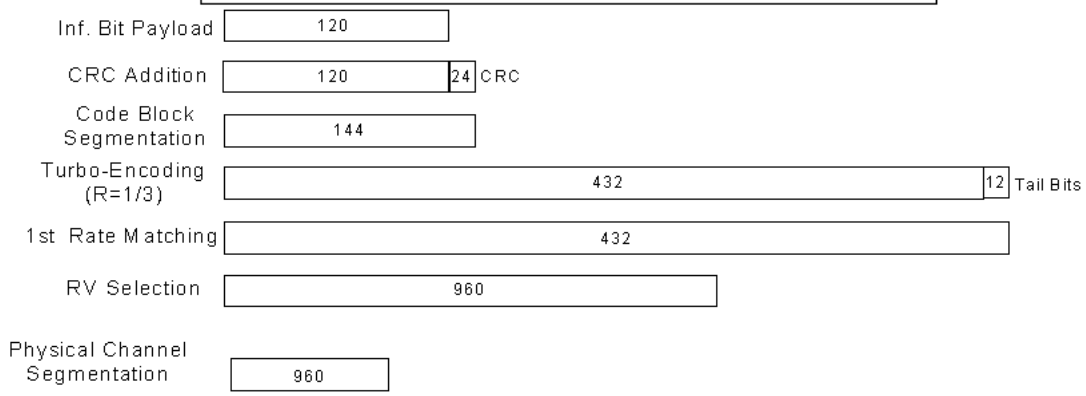


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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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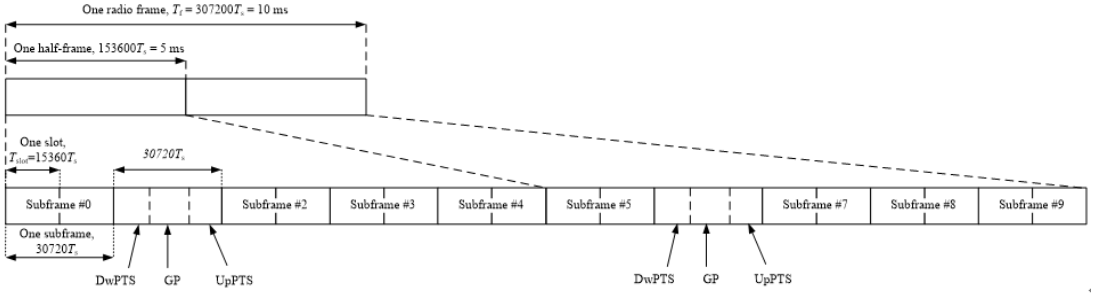


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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%.

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_41C. The maximum output power is measured for each UL CA configuration for the required test channels. UL PCC configuration is determined by the required test channel. SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band. SAR for UL CA is required in highest standalone test position and frequency band combination. Since the maximum output for UL

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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

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

mode	Lid angle	WLAN TX state
Lid close	0	full power
TB	1-45	Reduce power
NB	46-210	Full power
TB	211-360	Reduce power

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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 ch6	802.11a 5.2G ch36	802.11a 5.3G ch52	802.11a 5.6G ch100	802.11a 5.8G ch149
Main	Lid close	0°	19.97	19.83	19.92	19.81	19.94
	TB	10°	12.86	7.72	7.77	5.98	5.61
		5°	13.03	7.66	7.63	6.01	5.71
	Lid close	0°	19.95	19.99	19.85	19.86	19.98
	TB	1°	12.92	7.69	7.67	5.90	5.72
		2°	12.87	7.65	7.80	5.90	5.60
		3°	12.91	7.74	7.67	6.09	5.60
		4°	12.87	7.62	7.71	5.93	5.71
		5°	12.94	7.77	7.65	6.00	5.63
		6°	13.02	7.70	7.74	5.96	5.60
		7°	12.94	7.71	7.62	5.96	5.62
		8°	12.92	7.62	7.71	5.95	5.69
		9°	12.88	7.78	7.61	6.05	5.68
		10°	12.94	7.60	7.75	6.04	5.71
		20°	13.04	7.62	7.61	6.07	5.65
		30°	12.85	7.73	7.72	6.01	5.55
		40°	12.87	7.63	7.80	6.08	5.74
	NB	50°	19.88	19.91	19.99	19.80	19.91
		45°	19.83	19.98	19.93	19.93	19.96
		46°	19.97	19.89	19.85	19.80	19.89
		47°	19.83	19.93	19.81	19.85	19.89
		48°	19.84	19.80	19.88	19.96	19.86
		49°	19.98	19.95	19.96	19.95	19.98
		50°	19.85	19.95	19.92	19.80	19.96
		51°	19.85	19.82	19.97	19.82	19.95
		52°	20.00	19.93	19.94	19.82	19.80
		53°	19.83	19.99	19.89	19.81	19.90
		54°	19.81	19.81	19.83	19.96	19.88
		55°	19.86	19.86	19.89	19.91	19.97
		65°	19.97	19.91	19.81	19.84	19.88
		75°	19.87	19.85	19.86	19.90	19.81
		85°	19.96	19.83	19.93	19.87	19.95
		95°	19.95	19.96	19.95	19.92	19.94
		105°	19.95	19.81	19.93	19.96	19.89
		115°	19.85	19.86	19.96	19.92	19.87
		125°	19.89	19.83	19.96	19.81	19.86
		135°	19.84	19.84	19.86	19.92	19.93
		145°	19.86	19.86	19.98	19.96	19.90
		155°	19.90	19.91	19.94	19.95	19.87
		165°	19.97	19.92	19.83	19.82	20.00
		175°	19.90	19.95	19.81	19.94	19.99
		185°	19.86	19.93	19.81	19.82	19.99
		195°	19.98	19.95	19.99	19.92	19.82
		205°	19.97	19.86	19.94	19.85	19.96
	TB	215°	12.96	7.60	7.62	5.91	5.65
	NB	210°	19.93	19.91	19.86	19.81	19.98

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Main	TB	211°	12.90	7.65	7.61	6.03	5.75
		212°	12.86	7.75	7.66	6.00	5.65
		213°	12.91	7.78	7.76	5.91	5.70
		214°	13.01	7.80	7.75	6.06	5.60
		215°	12.97	7.71	7.76	5.90	5.59
		216°	12.92	7.72	7.63	6.02	5.74
		217°	12.94	7.68	7.63	5.91	5.64
		218°	12.89	7.67	7.74	6.06	5.71
		219°	12.89	7.71	7.76	5.99	5.68
		220°	12.86	7.63	7.65	6.08	5.59
		230°	13.02	7.60	7.73	5.98	5.65
		240°	12.92	7.63	7.68	6.09	5.62
		250°	12.94	7.77	7.74	6.05	5.68
		260°	12.97	7.61	7.77	6.01	5.63
		270°	12.97	7.60	7.65	5.98	5.56
		280°	12.94	7.65	7.74	6.04	5.67
		290°	13.03	7.67	7.71	5.93	5.64
		300°	12.92	7.61	7.63	6.02	5.70
		310°	12.88	7.77	7.63	6.07	5.72
		320°	12.88	7.75	7.70	6.05	5.71
		330°	12.87	7.71	7.69	6.01	5.67
		340°	13.04	7.65	7.74	5.92	5.68
		350°	12.91	7.77	7.63	6.06	5.67
		360°	12.90	7.62	7.80	5.99	5.61
		350°	12.95	7.65	7.65	6.08	5.72
		340°	13.02	7.78	7.67	6.09	5.67
		330°	13.04	7.72	7.61	5.96	5.73
		320°	12.87	7.70	7.72	5.95	5.63
		310°	13.02	7.60	7.61	5.94	5.64
		300°	12.99	7.61	7.65	6.05	5.63
		290°	12.94	7.73	7.77	5.91	5.58
		280°	12.86	7.68	7.60	6.10	5.60
		270°	12.97	7.72	7.70	5.97	5.73
		260°	12.90	7.66	7.73	5.91	5.75
		250°	12.87	7.77	7.68	5.91	5.64
		240°	12.90	7.69	7.78	6.06	5.57
		230°	12.98	7.71	7.68	6.07	5.67
		220°	12.97	7.70	7.72	6.09	5.73
	NB	210°	19.94	19.80	19.99	19.92	19.98
	TB	220°	12.91	7.67	7.67	6.06	5.66
		219°	13.04	7.66	7.79	6.08	5.74
		218°	12.91	7.69	7.70	6.07	5.66
		217°	12.88	7.65	7.62	5.99	5.57
		216°	12.90	7.70	7.61	5.97	5.70
		215°	12.94	7.73	7.60	5.94	5.56
		214°	12.92	7.73	7.65	6.05	5.63
		213°	12.92	7.70	7.63	6.03	5.73
		212°	13.03	7.64	7.61	5.91	5.59
		211°	12.90	7.74	7.71	6.05	5.67
	NB	210°	19.98	19.81	19.88	19.93	19.83
		200°	19.91	19.98	19.83	19.94	19.85
		190°	19.93	19.81	19.82	19.85	19.89
		180°	19.88	19.99	19.92	19.97	19.87
		170°	19.89	19.84	19.91	19.97	19.81
		160°	19.83	19.81	19.98	19.95	19.92
		150°	19.96	19.99	19.85	19.92	19.87
		140°	19.99	19.93	19.91	19.82	19.96
		130°	19.86	19.87	19.89	19.87	19.83
		120°	19.87	19.86	19.87	19.86	19.93
		110°	19.89	19.96	19.91	19.98	19.89
		100°	19.93	19.97	19.91	19.97	19.96
		90°	19.92	19.95	19.82	19.92	19.98
		80°	19.90	19.91	19.85	19.95	19.89
		70°	19.81	19.93	19.96	19.84	19.92
		60°	19.80	19.80	19.97	19.91	19.84
		50°	19.82	19.91	19.89	19.84	19.92
	TB	40°	12.89	7.60	7.72	5.92	5.57
		45°	12.86	7.74	7.74	6.09	5.71
	NB	50°	19.82	19.80	19.95	19.86	19.97
		49°	19.99	19.80	19.82	19.94	19.90
		48°	19.87	19.99	19.82	20.00	19.83
		47°	19.91	19.91	20.00	19.91	19.94
		46°	19.95	20.00	19.83	19.98	19.95
	TB	45°	12.92	7.65	7.65	5.94	5.66
		44°	12.96	7.71	7.72	6.05	5.74
		43°	13.04	7.67	7.73	5.96	5.71
		42°	13.02	7.67	7.71	5.99	5.61
		41°	12.96	7.68	7.78	5.96	5.71
		40°	13.02	7.76	7.62	6.07	5.63
		30°	12.87	7.70	7.68	6.07	5.68
		20°	13.04	7.79	7.61	5.92	5.75
		10°	12.88	7.72	7.76	6.07	5.67
	Lid close	0°	19.88	19.90	19.89	19.92	19.80
	TB	5°	12.88	7.63	7.70	6.06	5.62
		4°	13.04	7.79	7.72	6.05	5.62
		3°	13.05	7.68	7.74	5.91	5.62
		2°	12.87	7.73	7.78	6.03	5.64
		1°	12.87	7.65	7.60	6.03	5.68
	Lid close	0°	19.85	19.83	19.84	19.80	19.81

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Antenna	Operation mode	Lid angle	802.11b ch6	802.11a 5.2G ch36	802.11a 5.3G ch52	802.11a 5.6G ch100	802.11a 5.8G ch149
Aux/BT	Lid close	0°	19.98	19.93	19.93	19.97	19.96
	TB	10°	12.00	9.70	9.65	9.21	8.35
		5°	12.06	9.68	9.71	9.36	8.34
	Lid close	0°	19.94	19.97	19.86	19.89	19.82
	TB	1°	12.02	9.60	9.72	9.33	8.30
		2°	12.02	9.58	9.70	9.23	8.41
		3°	12.04	9.62	9.69	9.37	8.41
		4°	11.98	9.75	9.75	9.23	8.24
		5°	12.02	9.63	9.65	9.19	8.40
		6°	12.04	9.62	9.69	9.37	8.25
		7°	11.98	9.71	9.64	9.33	8.31
		8°	11.96	9.68	9.58	9.33	8.43
		9°	11.96	9.59	9.72	9.29	8.23
		10°	11.95	9.56	9.55	9.32	8.28
		20°	11.90	9.62	9.72	9.36	8.36
		30°	11.96	9.62	9.63	9.28	8.43
		40°	12.03	9.74	9.64	9.36	8.43
	NB	50°	19.91	19.82	19.96	19.82	19.82
		45°	19.82	19.92	19.95	19.92	19.91
		46°	19.96	19.85	19.97	19.86	19.94
		47°	19.98	19.90	19.83	19.88	19.85
		48°	19.89	19.86	19.86	19.95	19.98
		49°	19.86	19.82	19.90	19.96	19.96
		50°	19.98	19.97	19.99	19.90	19.99
		51°	19.95	19.87	19.98	19.90	19.90
		52°	19.86	19.84	19.84	19.83	19.95
		53°	19.85	19.98	19.94	19.91	19.95
		54°	19.84	19.94	19.95	19.92	19.94
		55°	19.84	19.99	19.81	20.00	19.97
		65°	19.85	19.83	19.83	19.87	19.95
		75°	19.80	19.80	19.95	19.90	19.85
		85°	19.83	20.00	19.83	19.85	19.88
		95°	19.94	19.98	19.91	19.97	19.97
		105°	19.94	19.95	19.94	19.95	19.89
		115°	19.95	19.84	19.85	19.94	19.98
		125°	19.85	19.92	19.97	19.86	19.84
		135°	19.85	19.82	19.94	19.96	19.85
		145°	19.81	19.99	19.92	19.91	19.92
		155°	19.94	19.85	19.92	19.91	19.83
		165°	19.92	19.93	19.90	19.86	19.86
		175°	19.98	19.95	19.80	19.99	19.93
		185°	19.89	19.96	19.89	19.96	19.94
		195°	19.92	19.82	19.83	19.87	19.96
		205°	19.85	19.82	19.94	19.81	20.00
	TB	215°	11.90	9.68	9.68	9.35	8.28
	NB	210°	19.94	19.80	19.86	19.96	19.86

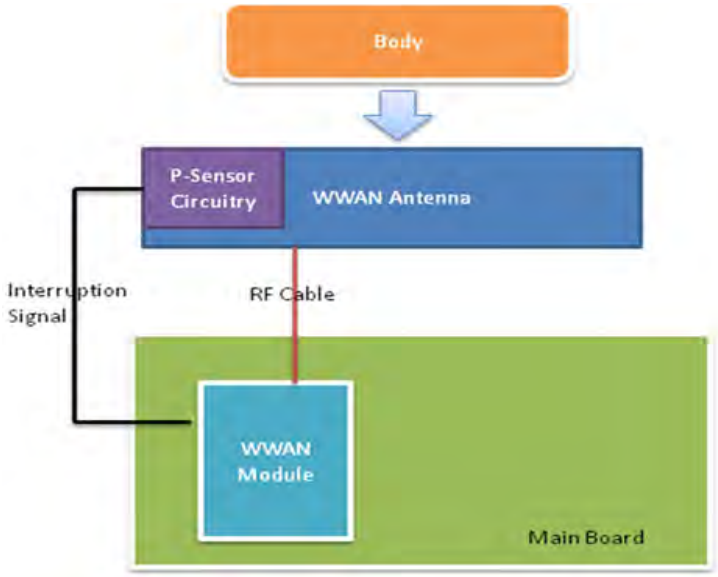
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Antenna	Operation mode	Lid angle	802.11b ch6	802.11a 5.2G ch36	802.11a 5.3G ch52	802.11a 5.6G ch100	802.11a 5.8G ch149
Aux/BT	TB	211°	11.95	9.65	9.70	9.29	8.25
		212°	11.99	9.58	9.71	9.30	8.35
		213°	12.01	9.58	9.62	9.22	8.32
		214°	11.94	9.55	9.64	9.20	8.37
		215°	11.92	9.68	9.73	9.20	8.42
		216°	11.95	9.70	9.55	9.20	8.24
		217°	12.05	9.72	9.65	9.34	8.26
		218°	11.89	9.64	9.69	9.32	8.41
		219°	12.02	9.60	9.61	9.27	8.30
		220°	12.06	9.74	9.65	9.33	8.43
		230°	11.88	9.60	9.65	9.29	8.34
		240°	11.93	9.57	9.68	9.31	8.39
		250°	12.06	9.74	9.63	9.26	8.42
		260°	11.92	9.66	9.64	9.31	8.36
		270°	11.89	9.66	9.61	9.30	8.41
		280°	11.96	9.73	9.55	9.27	8.27
		290°	11.93	9.58	9.58	9.29	8.42
		300°	12.02	9.61	9.75	9.29	8.27
		310°	11.93	9.61	9.59	9.27	8.26
		320°	11.93	9.57	9.66	9.21	8.26
		330°	12.07	9.72	9.69	9.27	8.27
		340°	11.90	9.57	9.63	9.30	8.27
		350°	12.00	9.62	9.60	9.28	8.43
		360°	12.04	9.75	9.60	9.28	8.42
		350°	11.97	9.67	9.74	9.36	8.40
		340°	11.95	9.73	9.74	9.19	8.25
		330°	12.05	9.72	9.71	9.25	8.40
		320°	11.94	9.69	9.63	9.34	8.43
		310°	11.98	9.70	9.64	9.27	8.32
		300°	11.89	9.59	9.66	9.36	8.32
		290°	11.95	9.70	9.61	9.34	8.28
		280°	12.07	9.70	9.58	9.32	8.27
		270°	12.04	9.60	9.58	9.19	8.23
		260°	12.06	9.55	9.55	9.30	8.39
		250°	11.97	9.62	9.71	9.34	8.42
		240°	11.89	9.71	9.72	9.24	8.32
		230°	11.90	9.56	9.71	9.24	8.34
		220°	12.00	9.55	9.57	9.28	8.33
	NB	210°	19.84	19.93	19.89	19.82	19.85
	TB	220°	11.89	9.73	9.58	9.23	8.32
		219°	12.02	9.67	9.63	9.26	8.33
		218°	11.90	9.75	9.64	9.29	8.40
		217°	11.92	9.74	9.65	9.30	8.26
		216°	11.94	9.73	9.71	9.30	8.35
		215°	11.89	9.65	9.70	9.21	8.33
		214°	12.01	9.56	9.60	9.33	8.24
		213°	11.90	9.58	9.74	9.32	8.35
		212°	11.96	9.72	9.57	9.35	8.39
		211°	12.07	9.72	9.63	9.18	8.30
	NB	210°	19.88	19.95	19.89	19.86	19.90
		200°	19.90	19.82	19.86	19.97	19.99
		190°	19.98	19.84	19.89	19.95	19.94
		180°	19.92	19.98	19.82	19.86	19.90
		170°	19.89	19.83	19.92	19.88	19.91
		160°	19.96	19.97	19.84	19.95	19.85
		150°	19.93	19.93	19.99	19.87	19.89
		140°	19.86	19.81	19.95	19.84	19.86
		130°	19.91	19.86	19.82	19.90	19.93
		120°	19.96	19.92	19.96	19.93	19.92
		110°	19.90	19.92	19.88	19.86	19.89
		100°	19.96	19.91	19.86	19.82	19.87
		90°	19.87	20.00	19.91	19.97	19.88
		80°	19.95	19.86	19.88	19.99	19.97
		70°	19.96	20.00	19.97	19.82	19.90
		60°	19.88	19.90	19.93	20.00	19.82
		50°	19.95	19.87	19.96	19.83	19.85
	TB	40°	12.08	9.69	9.56	9.23	8.28
		45°	12.05	9.71	9.68	9.37	8.34
	NB	50°	19.94	19.86	19.87	19.92	19.93
		49°	19.85	19.84	19.80	19.93	19.84
		48°	19.92	19.83	19.88	19.90	19.91
		47°	19.95	19.98	19.94	19.85	19.84
		46°	20.00	19.82	20.00	19.98	19.91
	TB	45°	11.93	9.59	9.66	9.23	8.31
		44°	12.06	9.60	9.66	9.23	8.33
		43°	11.95	9.71	9.68	9.31	8.27
		42°	11.95	9.63	9.67	9.31	8.36
		41°	11.89	9.74	9.61	9.20	8.39
		40°	11.94	9.65	9.71	9.28	8.33
		30°	11.92	9.60	9.75	9.23	8.23
		20°	12.05	9.58	9.68	9.35	8.30
		10°	11.98	9.56	9.70	9.28	8.23
	Lid close	0°	19.97	19.91	19.97	19.83	19.99
	TB	5°	12.00	9.65	9.60	9.28	8.41
		4°	11.98	9.57	9.71	9.35	8.30
		3°	12.00	9.62	9.73	9.36	8.23
		2°	11.95	9.58	9.71	9.30	8.33
		1°	11.96	9.59	9.61	9.18	8.38
	Lid close	0°	19.96	19.88	19.87	19.93	19.91

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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.

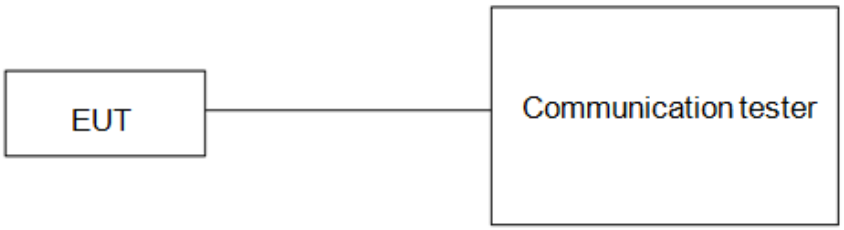


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1.7.1 Proximity sensor measurement procedure

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 back and edges

Test procedure:

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

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

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

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

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

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

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

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

9. For back of tablet mode, the trigger distance of proximity sensor is 38mm. For top side and top curve of tablet mode, the trigger distance of proximity sensor is 55mm. For right edge of tablet mode, the trigger distance of proximity sensor is 5mm. More conservative separation distances were used during SAR testing to represent the worst case.

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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 top, top curve, and right position, the sensor is not released during +/- 45deg, so 5-1=4mm is used for right side SAR measurement. And more conservative separation distances were used during SAR testing to represent the worst case.

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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.

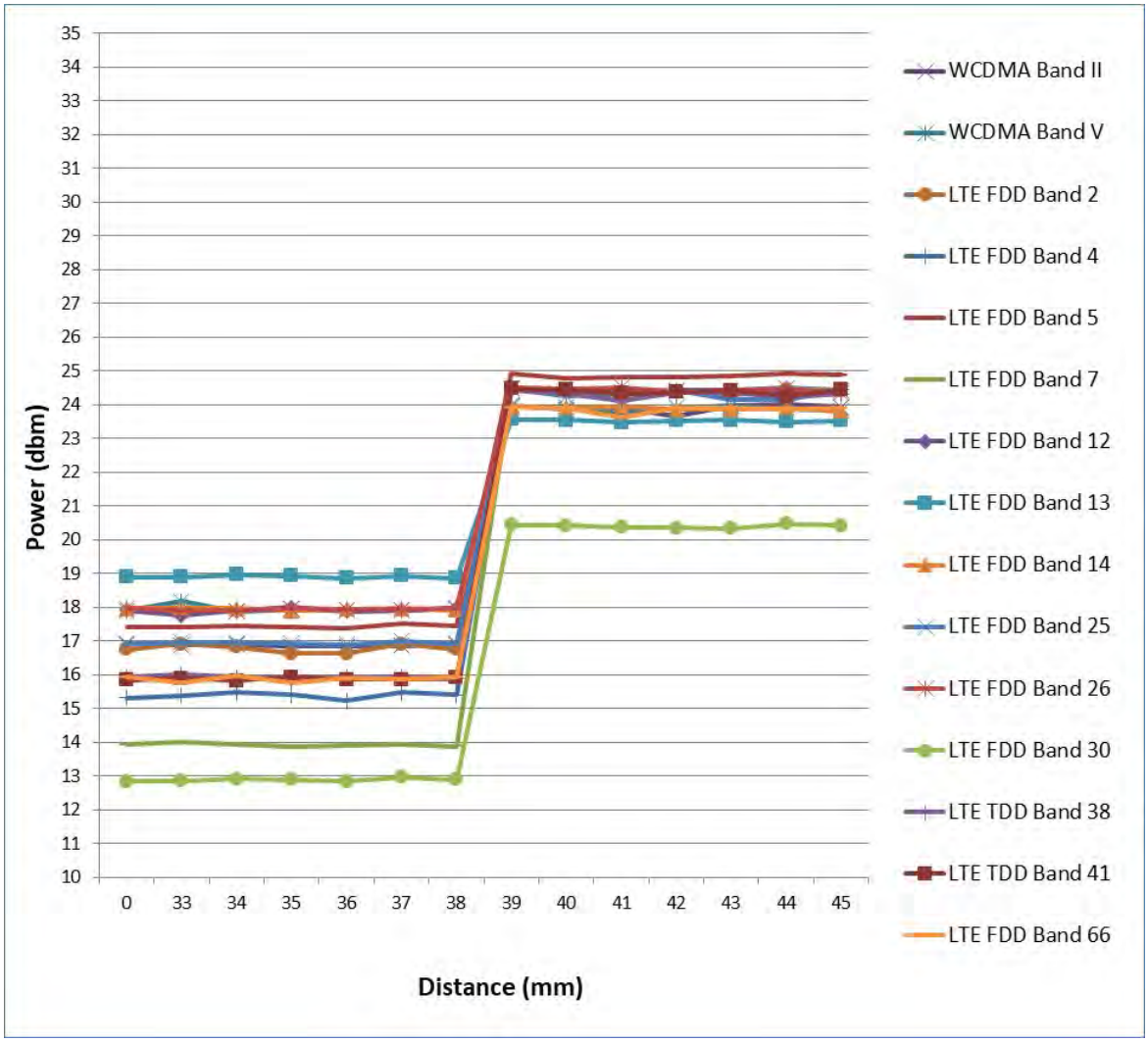
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1.7.5 Results

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.

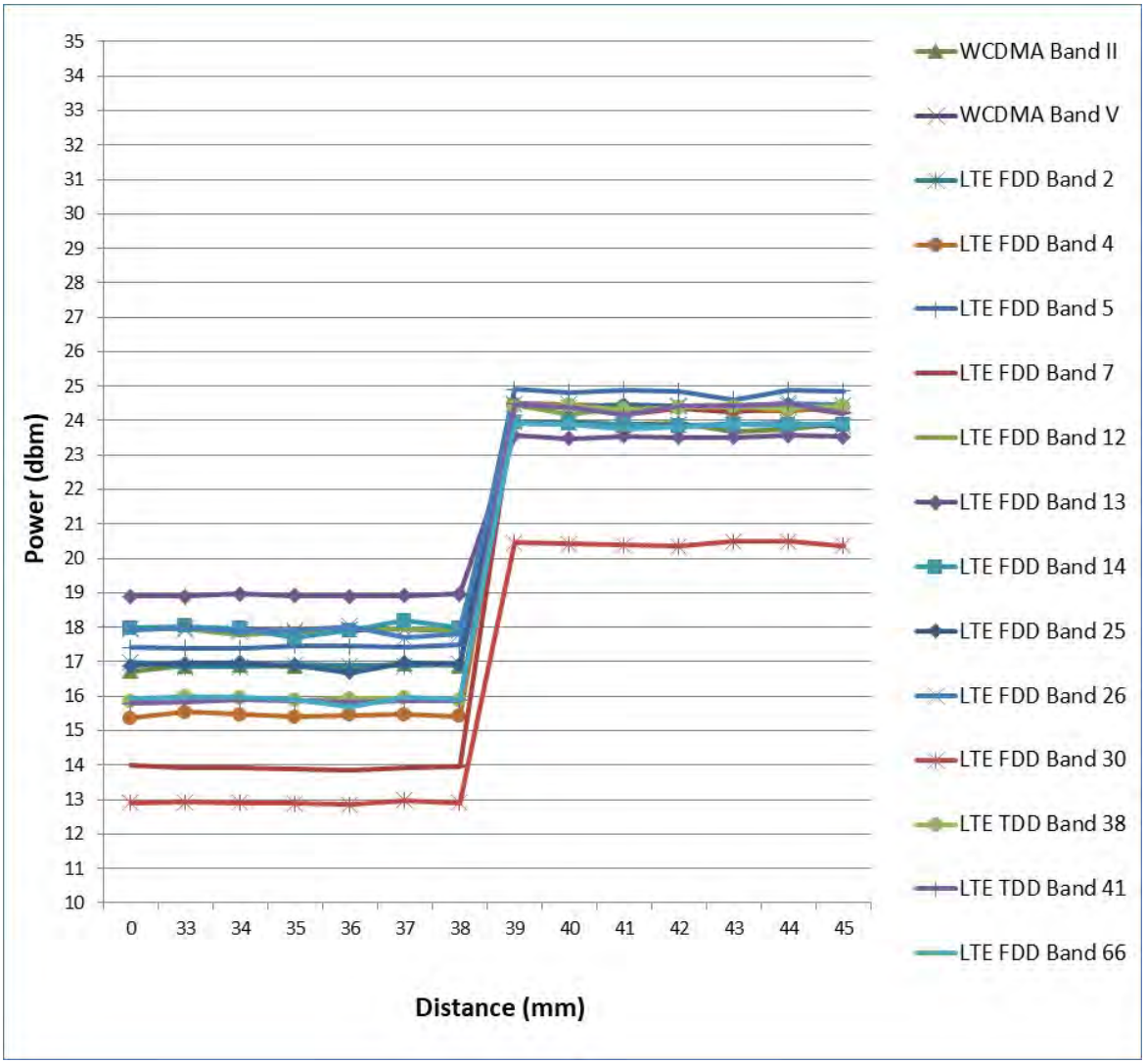
Back side_Tablet mode

Moving device toward the phantom



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Moving device away from the phantom

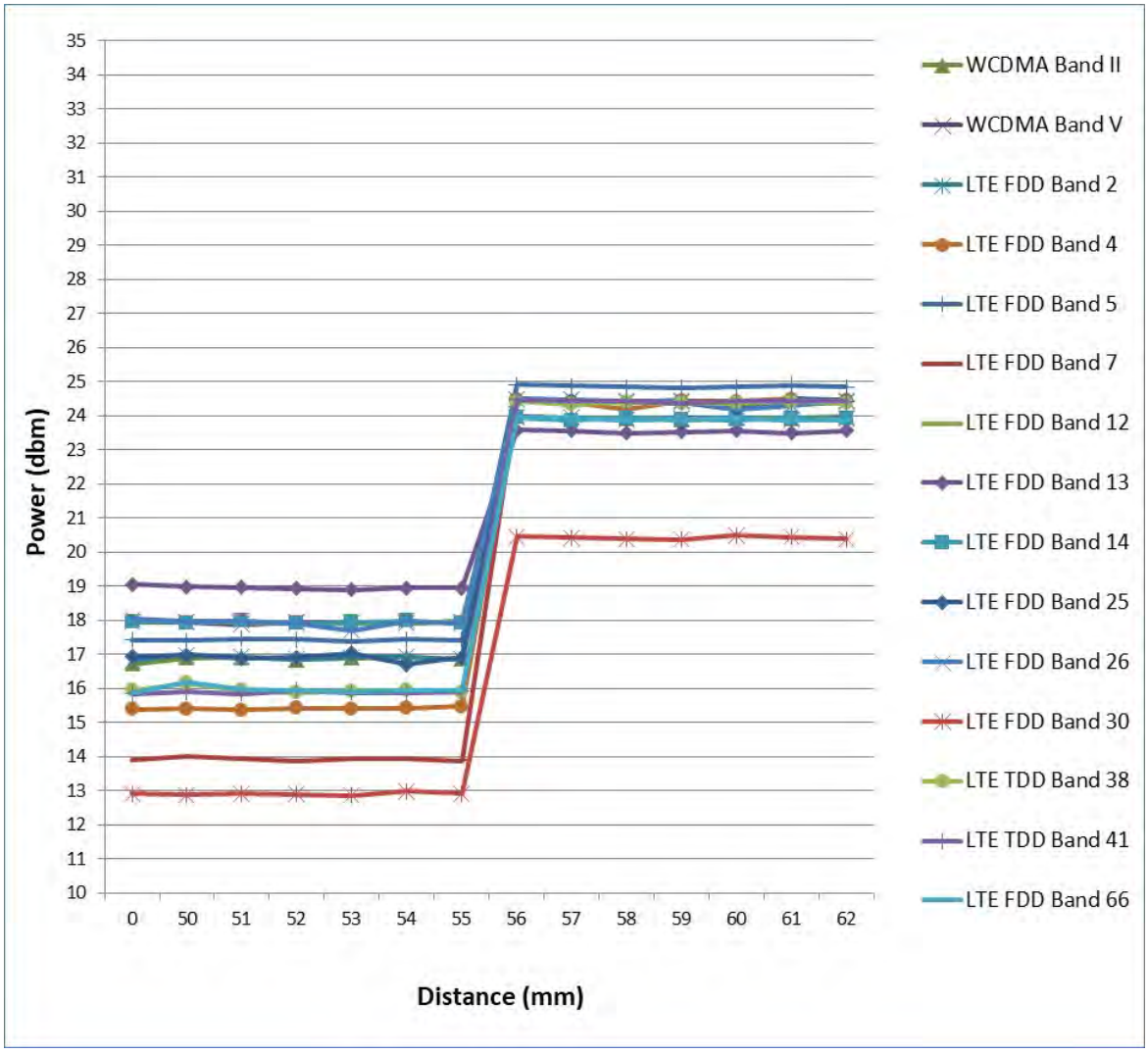


For WWAN back position, the worst trigger distance of proximity sensor is 38mm, and more conservative testing separation distance 21 mm was used during testing for back positions.

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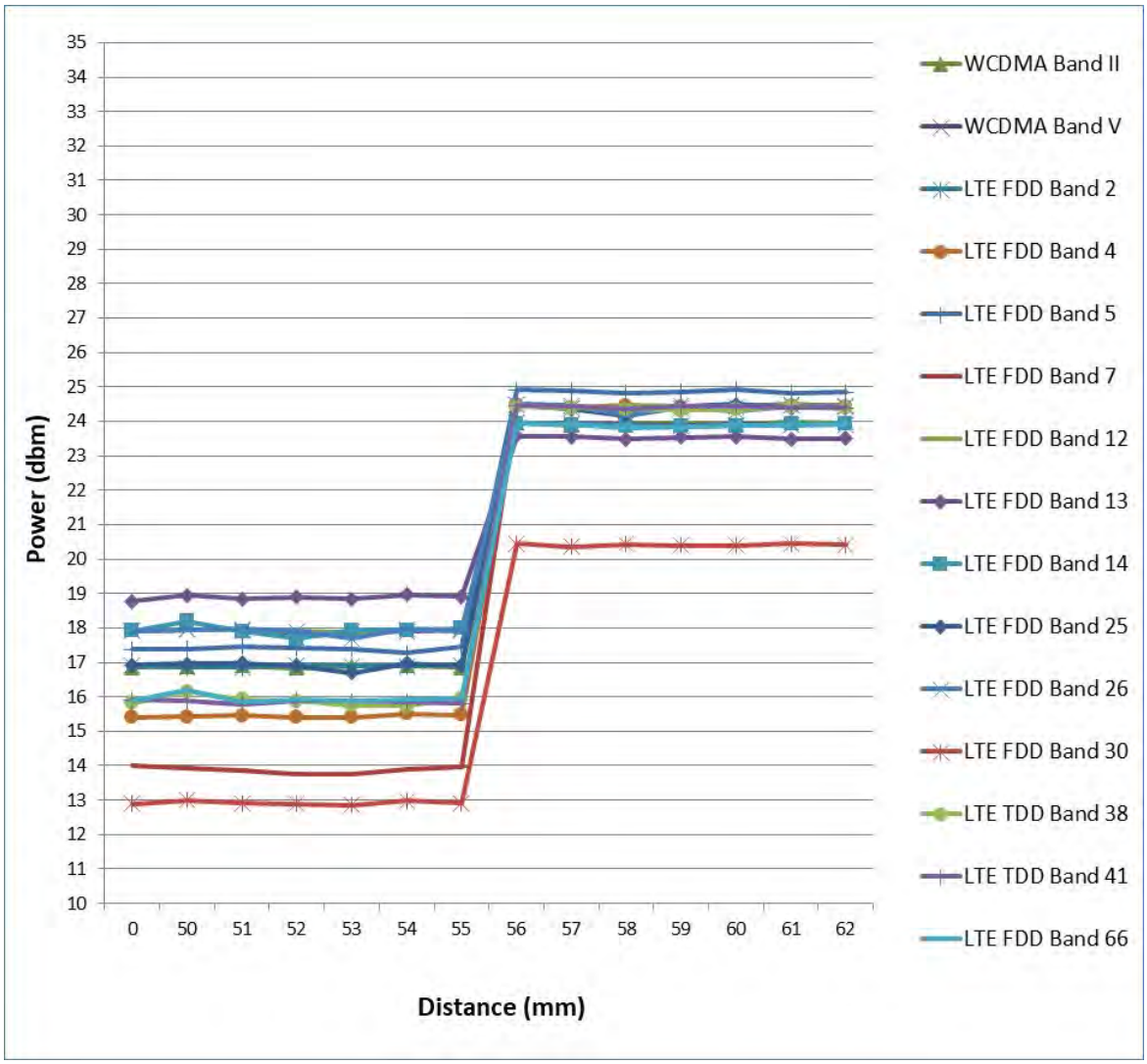
Top side_Tablet mode

Moving device toward the phantom



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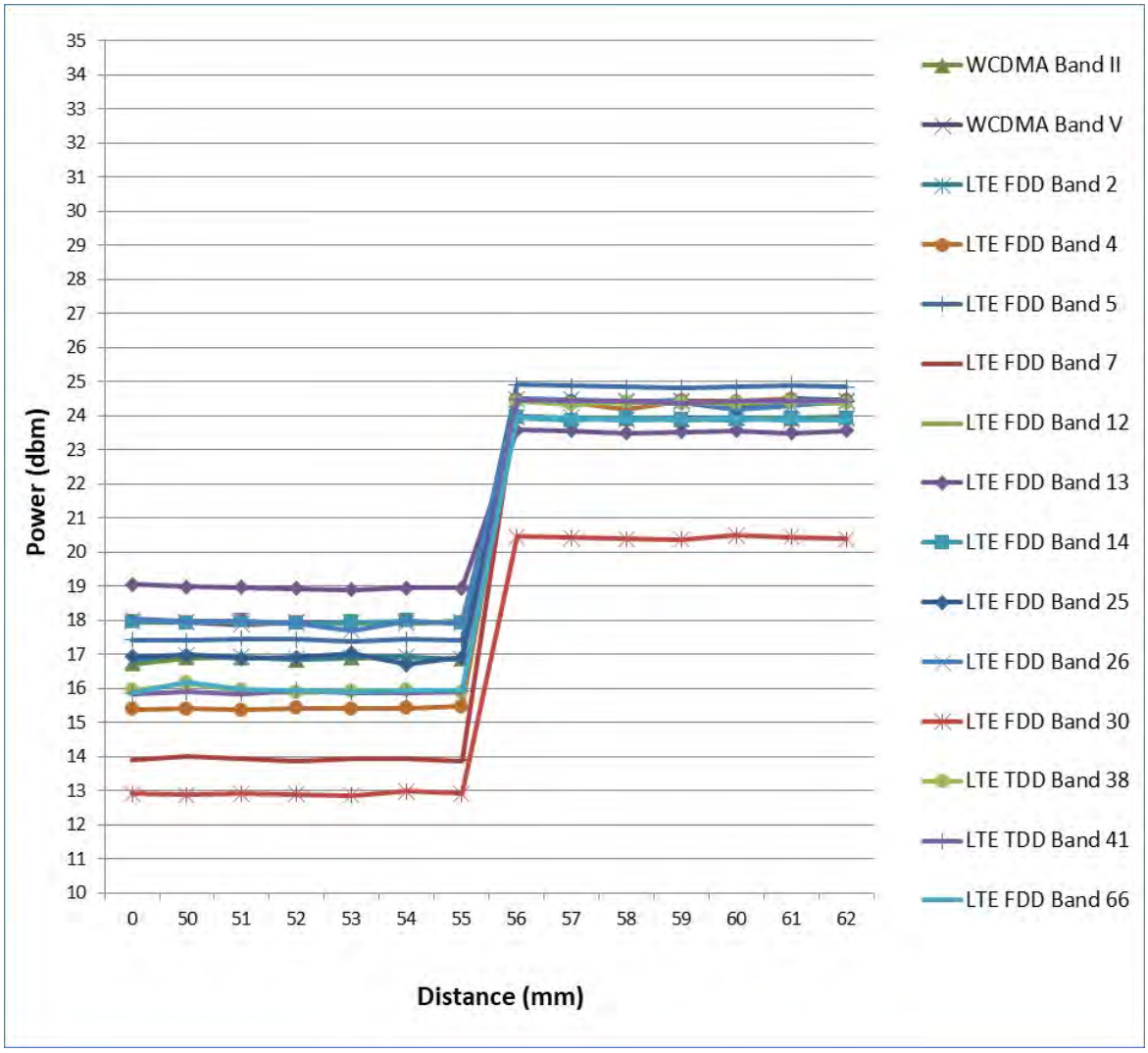
Moving device away from the phantom



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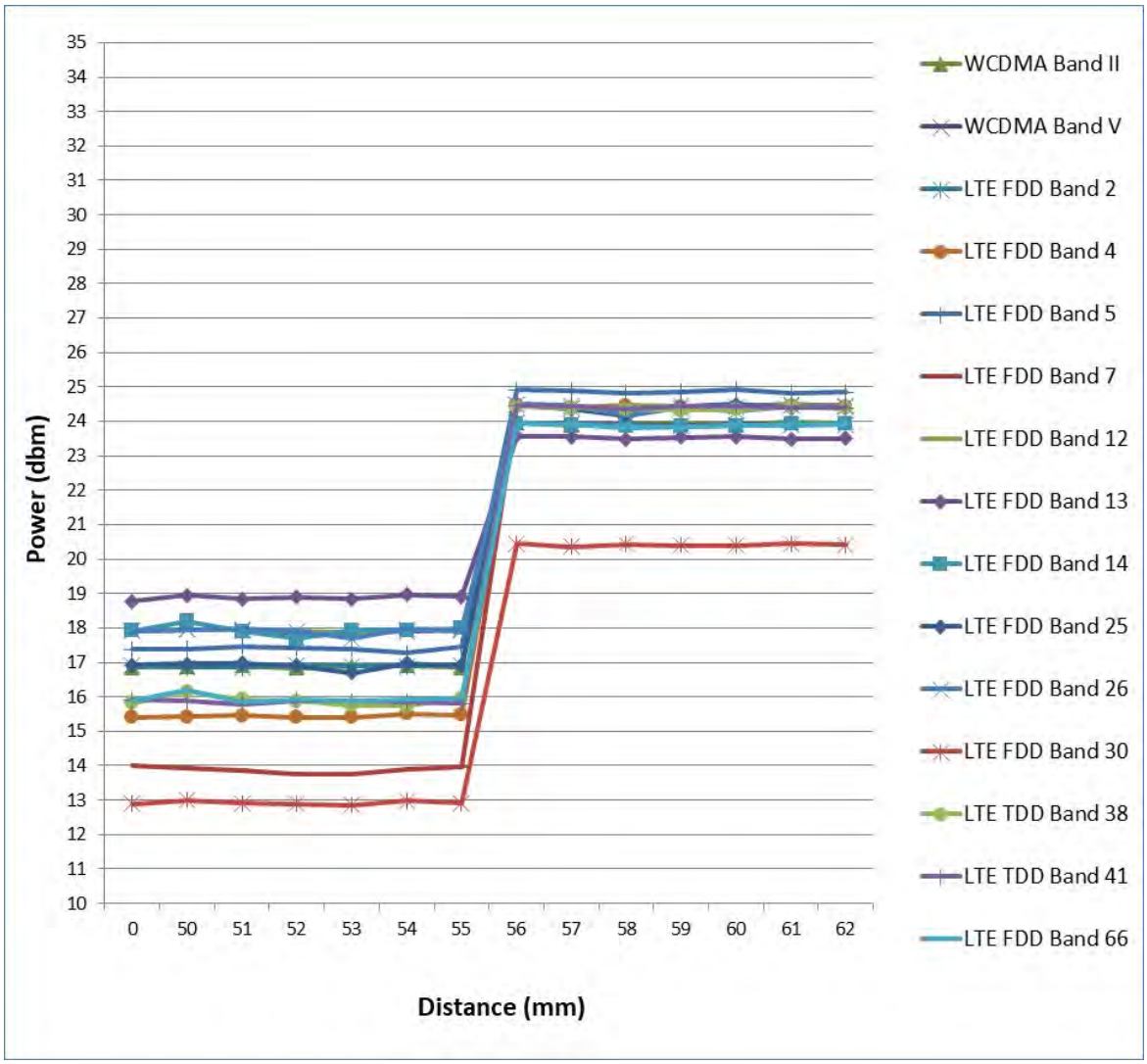
Top curve side_Tablet mode

Moving device toward the phantom



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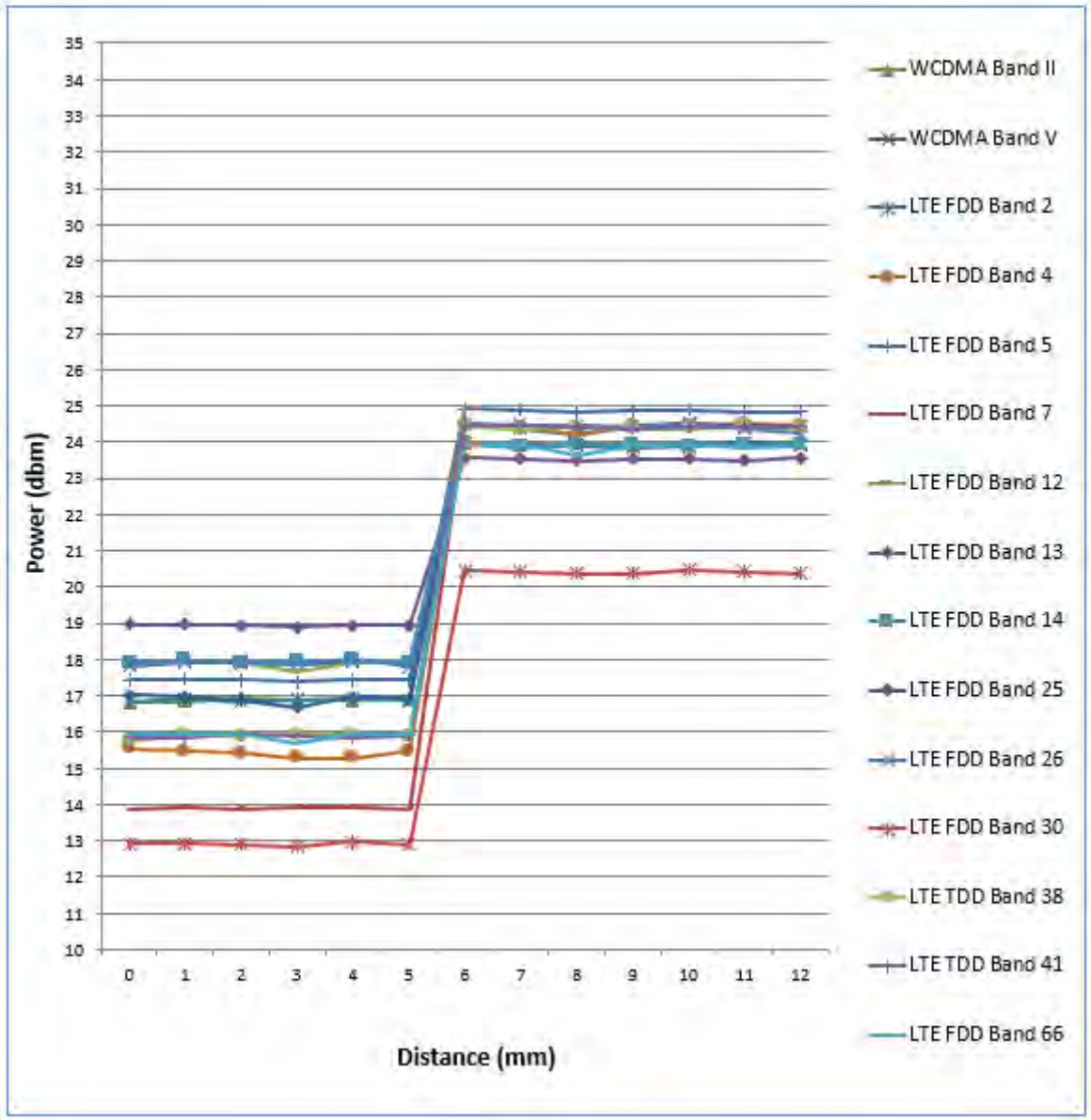
Moving device away from the phantom



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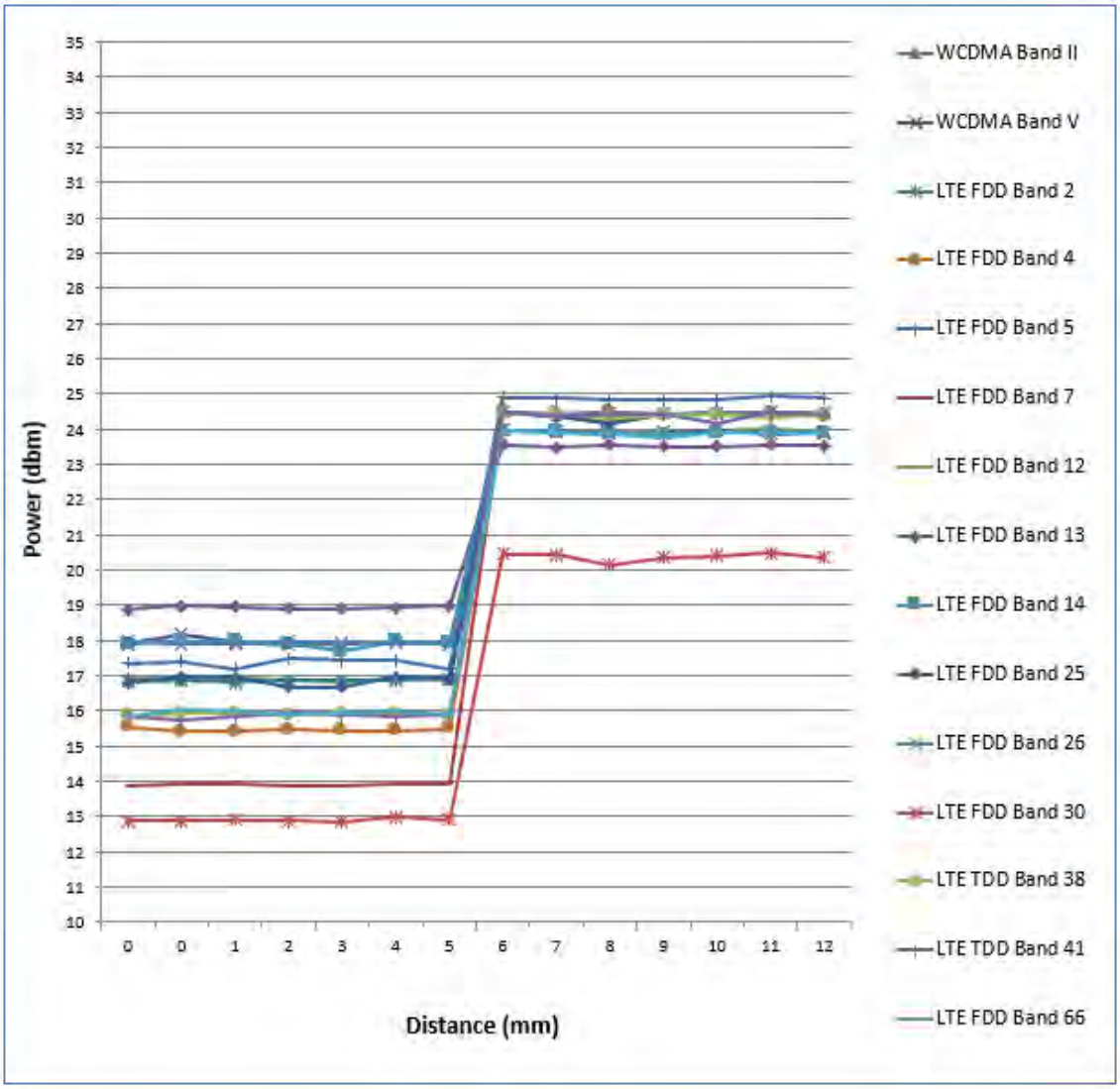
Right side_Tablet mode

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 tablet mode_top/top curve positions

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
55mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

During the tilt angle testing, the sensor is not released in 55mm, more conservative testing separation distance 21 mm was used during testing for top position.

Table 1.6.6 Tilt angle test results for tablet mode_right 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
5mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

During the tilt angle testing, the sensor is not released in 5mm, so 5-1=4mm 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.

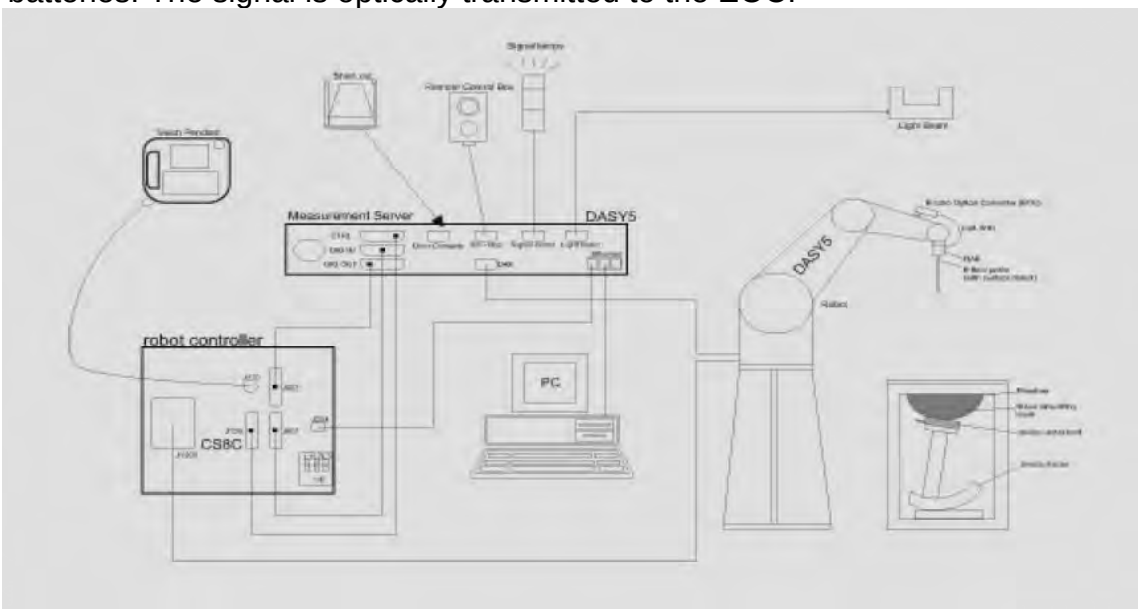


Fig. a The block diagram of SAR system

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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.

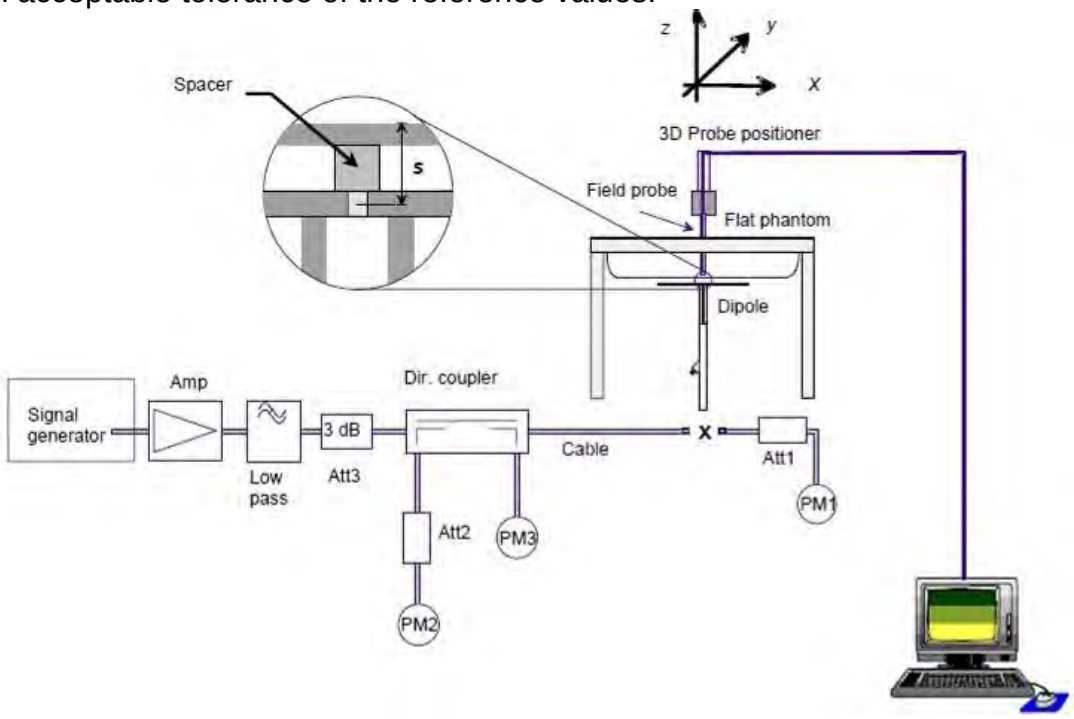


Fig. b The block diagram of system verification

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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	2.14	8.56	0.94%	Jul. 11, 2021
D750V3	1015	750	Head	8.48	2.11	8.44	-0.47%	Jul. 12, 2021
D835V2	4d063	835	Head	9.52	2.34	9.36	-1.68%	Jul. 13, 2021
D835V2	4d063	835	Head	9.52	2.36	9.44	-0.84%	Jul. 14, 2021
D1750V2	1008	1750	Head	36.00	8.83	35.32	-1.89%	Jul. 15, 2021
D1900V2	5d173	1900	Head	39.30	9.86	39.44	0.36%	Jul. 16, 2021
D1900V2	5d173	1900	Head	39.30	9.82	39.28	-0.05%	Jul. 17, 2021
D2300V2	1023	2300	Head	49.00	12.30	49.20	0.41%	Jul. 18, 2021
D2600V2	1005	2600	Head	56.90	14.70	58.80	3.34%	Jul. 19, 2021
D2600V2	1005	2600	Head	56.90	14.40	57.60	1.23%	Jul. 20, 2021
D2600V2	1005	2600	Head	56.90	14.40	57.60	1.23%	Jul. 21, 2021
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	53.9	13.40	53.6	-0.56%	Jul. 22, 2021
D2450V2			Head	53.9	13.60	54.40	0.93%	Jul. 22, 2021
Validation Kit	S/N	Frequency (MHz)		1W Target SAR-1g (mW/g)	Pin=100mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D5GHzV2	1023	5200	Head	77.9	7.76	77.6	-0.39%	Jul. 23, 2021
			Head	77.9	7.69	76.9	-1.28%	Jul. 23, 2021
		5300	Head	80.4	7.93	79.3	-1.37%	Jul. 24, 2021
			Head	80.4	7.91	79.1	-1.62%	Jul. 24, 2021
		5600	Head	83.9	8.54	85.4	1.79%	Jul. 25, 2021
			Head	83.9	8.49	84.9	1.19%	Jul. 25, 2021
		5800	Head	80.9	8.11	81.1	0.25%	Jul. 26, 2021
			Head	80.9	8.16	81.6	0.87%	Jul. 26, 2021

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 SPEAG Dielectric Assessment Kit (DAKS-3.5)
All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within ± 5% of the target values.
The depth of the tissue simulant in the flat section of the phantom was ≥ 15 cm ± 5 mm (Frequency ≤3G) or ≥ 10 cm ± 5 mm (Frequency >3G) during all tests. (Fig. 2)

Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	Jul, 11. 2021	704	42.181	0.890	41.991	0.886	-0.45%	-0.42%
		707.5	42.162	0.890	41.970	0.887	-0.46%	-0.39%
		711	42.144	0.890	41.954	0.887	-0.45%	-0.38%
		750	41.942	0.893	41.752	0.889	-0.45%	-0.48%
		782	41.775	0.896	41.585	0.892	-0.45%	-0.41%
		793	41.718	0.897	41.528	0.893	-0.45%	-0.49%
	Jul, 12. 2021	704	42.181	0.890	41.871	0.884	-0.73%	-0.71%
		707.5	42.162	0.890	41.850	0.884	-0.74%	-0.68%
		711	42.144	0.890	41.834	0.884	-0.74%	-0.67%
		750	41.942	0.893	41.632	0.886	-0.74%	-0.79%
		782	41.775	0.896	41.465	0.889	-0.74%	-0.73%
		793	41.718	0.897	41.408	0.890	-0.74%	-0.81%
	Jul, 13. 2021	821.5	41.602	0.906	41.412	0.901	-0.46%	-0.52%
		826.4	41.545	0.899	41.397	0.903	-0.35%	0.40%
		829	41.531	0.900	41.386	0.904	-0.35%	0.50%
		831.5	41.518	0.900	41.376	0.905	-0.34%	0.60%
		835	41.500	0.900	41.365	0.906	-0.33%	0.69%
		836.5	41.500	0.902	41.361	0.907	-0.34%	0.55%
		836.6	41.500	0.903	41.357	0.907	-0.34%	0.46%
		841.5	41.500	0.907	41.339	0.909	-0.39%	0.18%
		844	41.500	0.910	41.332	0.909	-0.41%	-0.04%
		846.6	41.500	0.912	41.321	0.910	-0.43%	-0.24%
	Jul, 14. 2021	821.5	41.602	0.906	41.292	0.898	-0.75%	-0.85%
		826.4	41.545	0.899	41.277	0.900	-0.64%	0.07%
		829	41.531	0.900	41.266	0.901	-0.64%	0.17%
		831.5	41.518	0.900	41.256	0.902	-0.63%	0.27%
		835	41.500	0.900	41.245	0.903	-0.62%	0.35%
		836.5	41.500	0.902	41.237	0.904	-0.63%	0.25%
		836.6	41.500	0.903	41.237	0.904	-0.63%	0.13%
		841.5	41.500	0.907	41.219	0.906	-0.68%	-0.16%
		844	41.500	0.910	41.212	0.906	-0.69%	-0.38%
		846.6	41.500	0.912	41.201	0.907	-0.72%	-0.57%
	Jul, 15. 2021	1720	40.126	1.354	39.936	1.347	-0.47%	-0.46%
		1732.5	40.107	1.361	39.916	1.355	-0.48%	-0.44%
		1745	40.087	1.368	39.897	1.362	-0.47%	-0.46%
		1750	40.079	1.371	39.889	1.365	-0.47%	-0.46%
		1770	40.447	1.383	39.857	1.376	-1.46%	-0.49%

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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	Jul, 16. 2021	1852.4	40.000	1.400	39.810	1.396	-0.47%	-0.28%
		1860	40.000	1.400	39.810	1.396	-0.47%	-0.26%
		1880	40.000	1.400	39.810	1.397	-0.47%	-0.23%
		1882.5	40.000	1.400	39.810	1.397	-0.47%	-0.23%
		1900	40.000	1.400	39.810	1.397	-0.47%	-0.23%
		1905	40.000	1.400	39.810	1.397	-0.47%	-0.23%
		1907.6	40.000	1.400	39.810	1.397	-0.47%	-0.23%
	Jul, 17. 2021	1852.4	40.000	1.400	39.690	1.392	-0.78%	-0.59%
		1860	40.000	1.400	39.690	1.392	-0.78%	-0.58%
		1880	40.000	1.400	39.690	1.392	-0.78%	-0.55%
		1882.5	40.000	1.400	39.690	1.392	-0.78%	-0.55%
		1900	40.000	1.400	39.690	1.392	-0.78%	-0.55%
		1905	40.000	1.400	39.690	1.392	-0.78%	-0.55%
		1907.6	40.000	1.400	39.690	1.392	-0.78%	-0.55%
	Jul, 18. 2021	2300	39.467	1.667	39.277	1.674	-0.48%	0.45%
		2310	39.449	1.676	39.259	1.683	-0.48%	0.42%
	Jul, 19. 2021	2506	39.129	1.861	38.939	1.851	-0.49%	-0.53%
		2510	39.124	1.865	38.934	1.855	-0.49%	-0.58%
		2536	39.091	1.887	38.901	1.878	-0.49%	-0.47%
		2549.5	39.073	1.909	38.883	1.890	-0.49%	-0.95%
		2560	39.060	1.920	38.870	1.899	-0.49%	-1.07%
		2580	39.035	1.942	38.845	1.917	-0.49%	-1.26%
		2593	39.018	1.956	38.828	1.929	-0.49%	-1.38%
		2595	39.015	1.958	38.826	1.931	-0.49%	-1.39%
		2600	39.009	1.964	38.819	1.935	-0.49%	-1.44%
		2610	38.996	1.975	38.806	1.944	-0.49%	-1.52%
		2636.5	38.963	2.003	38.772	1.969	-0.49%	-1.73%
		2680	38.907	2.051	38.717	2.008	-0.49%	-2.09%
	Jul, 20. 2021	2506	39.129	1.861	38.819	1.846	-0.79%	-0.83%
		2510	39.124	1.865	38.814	1.849	-0.79%	-0.88%
		2536	39.091	1.887	38.781	1.872	-0.79%	-0.77%
		2549.5	39.073	1.909	38.763	1.885	-0.80%	-1.24%
		2560	39.060	1.920	38.750	1.894	-0.79%	-1.37%
		2580	39.035	1.942	38.725	1.912	-0.79%	-1.55%
		2593	39.018	1.956	38.708	1.923	-0.79%	-1.67%
		2595	39.015	1.958	38.706	1.925	-0.79%	-1.69%
		2600	39.009	1.964	38.699	1.930	-0.79%	-1.73%
		2610	38.996	1.975	38.686	1.939	-0.79%	-1.82%
		2636.5	38.963	2.003	38.652	1.963	-0.80%	-2.02%
		2680	38.907	2.051	38.597	2.002	-0.80%	-2.38%
	Jul, 21. 2021	2506	39.129	1.861	38.779	1.844	-0.89%	-0.93%
		2510	39.124	1.865	38.774	1.847	-0.89%	-0.97%
		2536	39.091	1.887	38.741	1.870	-0.90%	-0.87%
		2549.5	39.073	1.909	38.723	1.883	-0.90%	-1.34%
		2560	39.060	1.920	38.710	1.892	-0.90%	-1.47%
		2580	39.035	1.942	38.685	1.910	-0.90%	-1.65%
		2593	39.018	1.956	38.668	1.921	-0.90%	-1.77%
		2595	39.015	1.958	38.666	1.923	-0.90%	-1.79%
		2600	39.009	1.964	38.659	1.928	-0.90%	-1.83%
		2610	38.996	1.975	38.646	1.937	-0.90%	-1.92%
		2636.5	38.963	2.003	38.612	1.961	-0.90%	-2.12%
		2680	38.907	2.051	38.557	2.000	-0.90%	-2.48%

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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	Jul, 22. 2021	2412	39.268	1.766	39.078	1.769	-0.48%	0.16%
		2417	39.259	1.771	39.069	1.773	-0.48%	0.15%
		2437	39.223	1.788	39.033	1.790	-0.48%	0.11%
		2450	39.200	1.800	39.010	1.801	-0.48%	0.08%
		2457	39.191	1.808	39.001	1.808	-0.48%	0.00%
		2462	39.185	1.813	38.995	1.812	-0.48%	-0.06%
		2480	39.162	1.827	38.972	1.828	-0.49%	0.07%
	Jul, 23. 2021	5200	35.986	4.655	35.796	4.630	-0.53%	-0.55%
		5210	35.974	4.665	35.784	4.640	-0.53%	-0.55%
		5220	35.963	4.676	35.773	4.650	-0.53%	-0.55%
		5250	35.929	4.706	35.739	4.681	-0.53%	-0.55%
	Jul, 24. 2021	5270	35.906	4.727	35.716	4.701	-0.53%	-0.55%
		5290	35.883	4.747	35.694	4.720	-0.53%	-0.57%
		5300	35.871	4.758	35.681	4.732	-0.53%	-0.54%
	Jul, 25. 2021	5570	35.563	5.034	35.373	5.008	-0.53%	-0.52%
		5600	35.529	5.065	35.339	5.038	-0.53%	-0.52%
		5690	35.426	5.157	35.236	5.130	-0.54%	-0.53%
	Jul, 26. 2021	5755	35.351	5.224	35.161	5.196	-0.54%	-0.53%
		5775	35.329	5.244	35.139	5.217	-0.54%	-0.53%
		5785	35.317	5.255	35.127	5.227	-0.54%	-0.53%
		5795	35.306	5.265	35.116	5.237	-0.54%	-0.53%
		5800	35.300	5.270	35.110	5.242	-0.54%	-0.53%

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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The composition of the body tissue simulating liquid:

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

Body Simulating Liquids for 5 GHz, Manufactured by SPEAG:

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

Table 3. Recipes for Tissue Simulating Liquid

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1.12 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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3. K. Jokela, P. Hyysalo, and L. Puranen, \Calibration of specific absorption rate (SAR) probes in waveguide at 900 MHz", *IEEE Transactions on Instrumentation and Measurements*, vol. 47, no. 2, pp. 432{438, Apr. 1998.

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1.14 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.

More conservative WWAN power assessment that we used full power for SAR testing to represent the worst case on laptop mode.

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	0	9262	1852.4	24	23.98	100.46%	0.024	0.024	-
WCDMA Band II	Bottom side	0	9400	1880	24	23.95	101.16%	0.029	0.029	271
WCDMA Band II	Bottom side	0	9538	1907.6	24	23.94	101.39%	0.023	0.023	-
WCDMA Band V	Bottom side	0	4132	826.4	24	23.96	100.93%	0.012	0.012	-
WCDMA Band V	Bottom side	0	4183	836.6	24	23.91	102.09%	0.015	0.015	282
WCDMA Band V	Bottom side	0	4233	846.6	24	23.89	102.57%	0.011	0.011	-

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / 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					Bottom side	0	18700	1860	24.5	24.44	101.39%	0.016	0.016	-
LTE Band 2			1 RB	0	Bottom side	0	18900	1880	24.5	24.46	100.93%	0.021	0.021	-
LTE Band 2	20MHz	QPSK			Bottom side	0	19100	1900	24.5	24.49	100.23%	0.025	0.025	273
LTE Band 2			50 RB	0	Bottom side	0	18900	1880	23.5	23.36	103.28%	0.013	0.013	-
LTE Band 2			100 RB		Bottom side	0	18700	1860	23.5	23.43	101.62%	0.012	0.012	-
LTE Band 4					Bottom side	0	20050	1720	24.5	24.33	103.99%	0.006	0.006	-
LTE Band 4			1 RB	0	Bottom side	0	20175	1732.5	24.5	24.45	101.16%	0.009	0.009	274
LTE Band 4	20MHz	QPSK			Bottom side	0	20300	1745	24.5	24.48	100.46%	0.008	0.008	-
LTE Band 4			50 RB	0	Bottom side	0	20175	1732.5	23.5	23.26	105.68%	0.005	0.006	-
LTE Band 4			100 RB		Bottom side	0	20300	1745	23.5	23.26	105.68%	0.005	0.005	-
LTE Band 5					Bottom side	0	20450	829	24.5	24.40	102.33%	0.012	0.012	-
LTE Band 5			1 RB	0	Bottom side	0	20525	836.5	24.5	24.49	100.23%	0.016	0.016	275
LTE Band 5	10MHz	QPSK			Bottom side	0	20600	844	24.5	24.48	100.46%	0.009	0.009	-
LTE Band 5			25 RB	0	Bottom side	0	20525	836.5	23.5	23.47	100.69%	0.008	0.008	-
LTE Band 5			50 RB		Bottom side	0	20525	836.5	23.5	23.44	101.39%	0.009	0.009	-
LTE Band 7					Bottom side	0	20850	2510	24.5	24.38	102.80%	0.005	0.005	-
LTE Band 7			1 RB	0	Bottom side	0	21100	2535	24.5	24.29	104.95%	0.005	0.005	-
LTE Band 7	20MHz	QPSK			Bottom side	0	21350	2560	24.5	24.46	100.93%	0.007	0.007	276
LTE Band 7			50 RB	0	Bottom side	0	20850	2510	23.5	23.26	105.68%	0.004	0.004	-
LTE Band 7			100 RB		Bottom side	0	21100	2535	23.5	23.22	106.66%	0.004	0.005	-
LTE Band 12					Bottom side	0	23060	704	24.5	24.37	103.04%	0.001	0.001	277
LTE Band 12			1 RB	0	Bottom side	0	23095	707.5	24.5	24.47	100.69%	0.001	0.001	-
LTE Band 12	10MHz	QPSK			Bottom side	0	23130	711	24.5	24.43	101.62%	0.001	0.001	-
LTE Band 12			25 RB	0	Bottom side	0	23095	707.5	23.5	23.36	103.28%	0.000	0.000	-
LTE Band 12			50 RB		Bottom side	0	23060	704	23.5	23.37	103.04%	0.000	0.000	-
LTE Band 13				0	Bottom side	0	23230	782	24.5	23.57	123.88%	0.005	0.006	278
LTE Band 13			1 RB	25	Bottom side	0	23230	782	24.5	23.52	125.31%	0.003	0.004	-
LTE Band 13	10MHz	QPSK		49	Bottom side	0	23230	782	24.5	23.51	125.60%	0.003	0.004	-
LTE Band 13			25 RB	0	Bottom side	0	23230	782	23.5	22.37	129.72%	0.003	0.004	-
LTE Band 13			50 RB		Bottom side	0	23230	782	23.5	22.49	126.18%	0.003	0.003	-
LTE Band 14				0	Bottom side	0	23330	793	24	23.94	101.39%	0.005	0.005	279
LTE Band 14			1 RB	25	Bottom side	0	23330	793	24	23.88	102.80%	0.004	0.004	-
LTE Band 14	10MHz	QPSK		49	Bottom side	0	23330	793	24	23.82	104.23%	0.004	0.004	-
LTE Band 14			25 RB	0	Bottom side	0	23330	793	23	22.79	104.95%	0.003	0.003	-
LTE Band 14			50 RB		Bottom side	0	23330	793	23	22.77	105.44%	0.003	0.003	-
LTE Band 25					Bottom side	0	26140	1860	24.5	24.25	105.93%	0.020	0.021	-
LTE Band 25			1 RB	0	Bottom side	0	26365	1882.5	24.5	24.35	103.51%	0.021	0.021	-
LTE Band 25	20MHz	QPSK			Bottom side	0	26590	1905	24.5	24.47	100.69%	0.028	0.028	280
LTE Band 25			50 RB	0	Bottom side	0	26140	1860	23.5	23.17	107.89%	0.016	0.017	-
LTE Band 25			100 RB		Bottom side	0	26140	1860	23.5	23.23	106.41%	0.017	0.018	-
LTE Band 26					Bottom side	0	26765	821.5	24.5	24.42	101.86%	0.014	0.014	-
LTE Band 26			1 RB	0	Bottom side	0	26865	831.5	24.5	24.49	100.23%	0.013	0.013	-
LTE Band 26	15MHz	QPSK			Bottom side	0	26965	841.5	24.5	24.45	101.16%	0.019	0.019	281
LTE Band 26			36 RB	0	Bottom side	0	26865	831.5	23.5	23.39	102.57%	0.011	0.011	-
LTE Band 26			75 RB		Bottom side	0	26865	831.5	23.5	23.41	102.09%	0.011	0.011	-
LTE Band 30					Bottom side	0	27710	2310	20.5	20.45	101.16%	0.002	0.002	282
LTE Band 30			1 RB	0	Bottom side	0	27710	2310	20.5	20.35	103.51%	0.001	0.001	-
LTE Band 30	10MHz	QPSK			Bottom side	0	27710	2310	20.5	20.33	103.99%	0.001	0.001	-
LTE Band 30			25 RB	0	Bottom side	0	27710	2310	19.5	19.21	106.91%	0.001	0.001	-
LTE Band 30			50 RB		Bottom side	0	27710	2310	19.5	19.19	107.40%	0.001	0.001	-

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LTE TDD Band 38 / Band 41 / LTE FDD Band 66 (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	0	Bottom side	0	37850	2580	24.5	24.35	103.51%	0.035	0.036	-
LTE Band 38				25	Bottom side	0	38000	2595	24.5	24.42	101.86%	0.049	0.050	283
LTE Band 38				49	Bottom side	0	38150	2610	24.5	24.31	104.47%	0.035	0.037	-
LTE Band 38			50 RB	0	Bottom side	0	38150	2610	23.5	23.24	106.17%	0.030	0.032	-
LTE Band 38			100 RB		Bottom side	0	37850	2580	23.5	23.27	105.44%	0.030	0.032	-
LTE Band 41	20MHz	QPSK	1 RB	0	Bottom side	0	39750	2506	24.5	24.47	100.69%	0.035	0.035	284
LTE Band 41					Bottom side	0	41085	2549.5	24.5	24.34	103.75%	0.025	0.026	-
LTE Band 41					Bottom side	0	40620	2593	24.5	24.42	101.86%	0.025	0.025	-
LTE Band 41					Bottom side	0	41055	2636.5	24.5	24.31	104.47%	0.026	0.027	-
LTE Band 41					Bottom side	0	41490	2680	24.5	24.32	104.23%	0.025	0.026	-
LTE Band 41			50 RB	0	Bottom side	0	41085	2549.5	23.5	23.23	106.41%	0.021	0.022	-
LTE Band 41			100 RB		Bottom side	0	39750	2506	23.5	23.31	104.47%	0.020	0.021	-
41C	20MHz	QPSK	1 RB	99	Bottom side	0	39750	2506	24.5	23.98	112.72%	0.030	0.034	-
LTE Band 66	20MHz	QPSK	1 RB	0	Bottom side	0	132072	1720	24	23.85	103.51%	0.006	0.007	-
LTE Band 66					Bottom side	0	132322	1745	24	23.94	101.39%	0.009	0.009	285
LTE Band 66					Bottom side	0	132572	1770	24	23.87	103.04%	0.006	0.007	-
LTE Band 66			50 RB	0	Bottom side	0	132322	1745	23	22.73	106.41%	0.005	0.005	-
LTE Band 66			100 RB		Bottom side	0	132072	1720	23	22.84	103.75%	0.005	0.005	-

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Notebook mode

WLAN antenna

Antenna	Band	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	2.4G	802.11b	Bottom side	0	2	2417	21.00	20.81	1.005	104.47%	0.003	0.003	-
		802.11b	Bottom side	0	6	2437	21.00	20.88	1.005	102.80%	0.004	0.004	-
		802.11b	Bottom side	0	10	2457	21.00	20.90	1.005	102.33%	0.004	0.004	286
	5.2G	802.11a	Bottom side	0	44	5220	21.00	20.97	1.018	100.69%	0.018	0.018	287
	5.3G	802.11n40-HT0	Bottom side	0	54	5270	21.00	20.49	1.012	112.46%	0.007	0.008	288
	5.6G	802.11ac80-VHT0	Bottom side	0	138	5690	21.00	20.97	1.016	100.69%	0.001	0.001	289
	5.8G	802.11a	Bottom side	0	157	5785	21.00	20.52	1.018	111.69%	0.001	0.001	290

Antenna	Band	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/BT	2.4G	802.11b	Bottom side	0	10	2457	21.00	19.99	1.005	126.18%	0.003	0.004	291
	BT	BR/EDR	Bottom side	0	CH 78	2480	11.00	10.94	1.295	101.39%	0.001	0.001	292
	5.2G	802.11a	Bottom side	0	44	5220	21.00	20.99	1.018	100.23%	0.021	0.021	293
	5.3G	802.11n40-HT0	Bottom side	0	54	5270	21.00	20.45	1.012	113.50%	0.010	0.011	294
	5.6G	802.11ac80-VHT0	Bottom side	0	138	5690	21.00	20.77	1.016	105.44%	0.020	0.021	295
	5.8G	802.11a	Bottom side	0	157	5785	21.00	20.38	1.018	115.35%	0.017	0.020	296

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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	19	9262	1852.4	24	23.98	100.46%	0.333	0.335	-
WCDMA Band II	Top Curve side	30	9262	1852.4	24	23.98	100.46%	0.039	0.039	-
WCDMA Band II	Top side	30	9262	1852.4	24	23.98	100.46%	0.079	0.079	-
WCDMA Band II	Bottom side	0	9262	1852.4	24	23.98	100.46%	0.179	0.180	-
WCDMA Band II	Right side	4	9262	1852.4	24	23.98	100.46%	0.486	0.488	-
WCDMA Band II	Right side	4	9400	1880	24	23.95	101.16%	0.489	0.495	297
WCDMA Band II	Right side	4	9538	1907.6	24	23.94	101.39%	0.447	0.453	-
WCDMA Band II	Left side	0	9262	1852.4	24	23.98	100.46%	0.001	0.001	
WCDMA Band V	Back side	19	4132	826.4	24	23.96	100.93%	0.311	0.314	-
WCDMA Band V	Back side	19	4183	836.6	24	23.91	102.09%	0.332	0.339	298
WCDMA Band V	Back side	19	4233	846.6	24	23.89	102.57%	0.305	0.313	-
WCDMA Band V	Top Curve side	30	4132	826.4	24	23.96	100.93%	0.050	0.050	-
WCDMA Band V	Top side	30	4132	826.4	24	23.96	100.93%	0.043	0.043	-
WCDMA Band V	Bottom side	0	4132	826.4	24	23.96	100.93%	0.001	0.001	-
WCDMA Band V	Right side	4	4132	826.4	24	23.96	100.93%	0.095	0.096	-
WCDMA Band V	Left side	0	4132	826.4	24	23.96	100.93%	0.001	0.001	

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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	17	16.93	101.62%	0.614	0.624	-
WCDMA Band II	Back side	0	9400	1880	17	16.84	103.75%	0.641	0.665	299
WCDMA Band II	Back side	0	9538	1907.6	17	16.92	101.86%	0.627	0.639	-
WCDMA Band II	Top Curve side	0	9262	1852.4	17	16.93	101.62%	0.340	0.346	-
WCDMA Band II	Top side	0	9262	1852.4	17	16.93	101.62%	0.361	0.367	-
WCDMA Band II	Bottom side	0	9262	1852.4	17	16.93	101.62%	0.001	0.001	-
WCDMA Band II	Right side	0	9262	1852.4	17	16.93	101.62%	0.192	0.195	-
WCDMA Band V	Back side	0	4132	826.4	18	17.97	100.69%	0.695	0.700	-
WCDMA Band V	Back side	0	4183	836.6	18	17.89	102.57%	0.710	0.728	300
WCDMA Band V	Back side	0	4233	846.6	18	17.82	104.23%	0.677	0.706	-
WCDMA Band V	Top Curve side	0	4132	826.4	18	17.97	100.69%	0.374	0.377	-
WCDMA Band V	Top side	0	4132	826.4	18	17.97	100.69%	0.346	0.348	-
WCDMA Band V	Bottom side	0	4132	826.4	18	17.97	100.69%	0.001	0.001	-
WCDMA Band V	Right side	0	4132	826.4	18	17.97	100.69%	0.176	0.177	-

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LTE FDD Band 2 / Band 4 / Band 5 (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	1RB	0	Back side	19.00	19100	1900	24.5	24.49	100.23%	0.379	0.380	-
LTE Band 2					Top Curve side	30.00	19100	1900	24.5	24.49	100.23%	0.115	0.115	-
LTE Band 2					Top side	30.00	19100	1900	24.5	24.49	100.23%	0.079	0.079	-
LTE Band 2					Bottom side	0.00	19100	1900	24.5	24.49	100.23%	0.001	0.001	-
LTE Band 2					Left side	0.00	19100	1900	24.5	24.49	100.23%	0.001	0.001	-
LTE Band 2					Right side	4.00	18700	1860	24.5	24.44	101.39%	0.462	0.468	-
LTE Band 2					Right side	4.00	18900	1880	24.5	24.46	100.93%	0.626	0.632	301
LTE Band 2					Right side	4.00	19100	1900	24.5	24.49	100.23%	0.609	0.610	-
LTE Band 2			50 RB	0	Back side	19.00	18900	1880	23.5	23.36	103.28%	0.203	0.210	-
LTE Band 2					Top Curve side	30.00	18900	1880	23.5	23.36	103.28%	0.182	0.188	-
LTE Band 2					Top side	30.00	18900	1880	23.5	23.36	103.28%	0.103	0.106	-
LTE Band 2					Bottom side	0.00	18900	1880	23.5	23.36	103.28%	0.001	0.001	-
LTE Band 2					Right side	4.00	18900	1880	23.5	23.36	103.28%	0.444	0.459	-
LTE Band 2			100 RB		Back side	19.00	18700	1860	23.5	23.43	101.62%	0.201	0.204	-
LTE Band 2					Top Curve side	30.00	18700	1860	23.5	23.43	101.62%	0.179	0.182	-
LTE Band 2					Top side	30.00	18700	1860	23.5	23.43	101.62%	0.101	0.103	-
LTE Band 2					Bottom side	0.00	18700	1860	23.5	23.43	101.62%	0.001	0.001	-
LTE Band 2					Right side	4.00	18700	1860	23.5	23.43	101.62%	0.432	0.439	-
LTE Band 4	20MHz	QPSK	1RB	0	Back side	19.00	20050	1720	24.5	24.33	103.99%	0.565	0.588	-
LTE Band 4					Back side	19.00	20175	1732.5	24.5	24.45	101.16%	0.811	0.820	302
LTE Band 4					Back side	19.00	20300	1745	24.5	24.48	100.46%	0.741	0.744	-
Repeated					Back side	19.00	20175	1732.5	24.5	24.23	106.41%	0.792	0.843	-
LTE Band 4					Top Curve side	30.00	20300	1745	24.5	24.48	100.46%	0.464	0.466	-
LTE Band 4					Top side	30.00	20300	1745	24.5	24.48	100.46%	0.476	0.478	-
LTE Band 4					Bottom side	0.00	20300	1745	24.5	24.48	100.46%	0.001	0.001	-
LTE Band 4					Left side	0.00	20300	1745	24.5	24.48	100.46%	0.001	0.001	-
LTE Band 4					Right side	4.00	20300	1745	24.5	24.48	100.46%	0.470	0.472	-
LTE Band 4			50 RB	0	Back side	19.00	20175	1732.5	23.5	23.26	105.68%	0.553	0.584	-
LTE Band 4					Top Curve side	30.00	20175	1732.5	23.5	23.26	105.68%	0.487	0.515	-
LTE Band 4					Top side	30.00	20175	1732.5	23.5	23.26	105.68%	0.404	0.427	-
LTE Band 4					Bottom side	0.00	20175	1732.5	23.5	23.26	105.68%	0.001	0.001	-
LTE Band 4					Right side	4.00	20175	1732.5	23.5	23.26	105.68%	0.377	0.398	-
LTE Band 4			100 RB		Back side	19.00	20300	1745	23.5	23.26	105.68%	0.516	0.545	-
LTE Band 4					Top Curve side	30.00	20300	1745	23.5	23.26	105.68%	0.365	0.386	-
LTE Band 4					Top side	30.00	20300	1745	23.5	23.26	105.68%	0.410	0.433	-
LTE Band 4					Bottom side	0.00	20300	1745	23.5	23.26	105.68%	0.001	0.001	-
LTE Band 4					Right side	4.00	20300	1745	23.5	23.26	105.68%	0.468	0.495	-
LTE Band 5	10MHz	QPSK	1RB	0	Back side	19.00	20450	829	24.5	24.40	102.33%	0.199	0.204	-
LTE Band 5					Back side	19.00	20525	836.5	24.5	24.49	100.23%	0.264	0.265	303
LTE Band 5					Back side	19.00	20600	844	24.5	24.48	100.46%	0.209	0.210	-
LTE Band 5					Top Curve side	30.00	20525	836.5	24.5	24.49	100.23%	0.048	0.048	-
LTE Band 5					Top side	30.00	20525	836.5	24.5	24.49	100.23%	0.021	0.021	-
LTE Band 5					Bottom side	0.00	20525	836.5	24.5	24.49	100.23%	0.001	0.001	-
LTE Band 5					Left side	0.00	20525	836.5	24.5	24.49	100.23%	0.001	0.001	-
LTE Band 5					Right side	4.00	20525	836.5	24.5	24.49	100.23%	0.108	0.108	-
LTE Band 5			25 RB	0	Back side	19.00	20525	836.5	23.5	23.47	100.69%	0.160	0.161	-
LTE Band 5					Top Curve side	30.00	20525	836.5	23.5	23.47	100.69%	0.040	0.040	-
LTE Band 5					Top side	30.00	20525	836.5	23.5	23.47	100.69%	0.018	0.018	-
LTE Band 5					Bottom side	0.00	20525	836.5	23.5	23.47	100.69%	0.001	0.001	-
LTE Band 5					Right side	4.00	20525	836.5	23.5	23.47	100.69%	0.090	0.091	-
LTE Band 5			50 RB		Back side	19.00	20525	836.5	23.5	23.44	101.39%	0.189	0.192	-
LTE Band 5					Top Curve side	30.00	20525	836.5	23.5	23.44	101.39%	0.046	0.047	-
LTE Band 5					Top side	30.00	20525	836.5	23.5	23.44	101.39%	0.016	0.016	-
LTE Band 5					Bottom side	0.00	20525	836.5	23.5	23.44	101.39%	0.001	0.001	-
LTE Band 5					Right side	4.00	20525	836.5	23.5	23.44	101.39%	0.102	0.103	-

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

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LTE FDD 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 7	20MHz	QPSK	1 RB	0	Back side	19.00	21350	2560	24.5	24.46	100.93%	0.529	0.534	-
LTE Band 7					Top Curve side	30.00	21350	2560	24.5	24.46	100.93%	0.538	0.543	-
LTE Band 7					Top side	30.00	21350	2560	24.5	24.46	100.93%	0.595	0.601	-
LTE Band 7					Bottom side	0.00	21350	2560	24.5	24.46	100.93%	0.001	0.001	-
LTE Band 7					Left side	0.00	21350	2560	24.5	24.46	100.93%	0.001	0.001	-
LTE Band 7					Right side	4.00	20850	2510	24.5	24.38	102.80%	0.601	0.618	-
LTE Band 7					Right side	4.00	21100	2535	24.5	24.29	104.95%	0.646	0.678	-
LTE Band 7					Right side	4.00	21350	2560	24.5	24.46	100.93%	0.696	0.702	304
LTE Band 7			50 RB	0	Back side	19.00	20850	2510	23.5	23.26	105.68%	0.439	0.464	-
LTE Band 7					Top Curve side	30.00	20850	2510	23.5	23.26	105.68%	0.387	0.409	-
LTE Band 7					Top side	30.00	20850	2510	23.5	23.26	105.68%	0.373	0.394	-
LTE Band 7					Bottom side	0.00	20850	2510	23.5	23.26	105.68%	0.001	0.001	-
LTE Band 7					Right side	4.00	20850	2510	23.5	23.26	105.68%	0.398	0.421	-
LTE Band 7			100 RB		Back side	19.00	21100	2535	23.5	23.22	106.66%	0.437	0.466	-
LTE Band 7					Top Curve side	30.00	21100	2535	23.5	23.22	106.66%	0.406	0.433	-
LTE Band 7					Top side	30.00	21100	2535	23.5	23.22	106.66%	0.411	0.438	-
LTE Band 7					Bottom side	0.00	21100	2535	23.5	23.22	106.66%	0.001	0.001	-
LTE Band 7					Right side	4.00	21100	2535	23.5	23.22	106.66%	0.432	0.461	-
LTE Band 12	10MHz	QPSK	1 RB	0	Back side	19.00	23060	704	24.5	24.37	103.04%	0.312	0.321	-
LTE Band 12					Back side	19.00	23095	707.5	24.5	24.47	100.69%	0.354	0.356	-
LTE Band 12					Back side	19.00	23130	711	24.5	24.43	101.62%	0.367	0.373	305
LTE Band 12					Top Curve side	30.00	23095	707.5	24.5	24.47	100.69%	0.035	0.035	-
LTE Band 12					Top side	30.00	23095	707.5	24.5	24.47	100.69%	0.016	0.016	-
LTE Band 12					Bottom side	0.00	23095	707.5	24.5	24.47	100.69%	0.001	0.001	-
LTE Band 12					Left side	0.00	23095	707.5	24.5	24.47	100.69%	0.001	0.001	-
LTE Band 12					Right side	4.00	23095	707.5	24.5	24.47	100.69%	0.046	0.046	-
LTE Band 12			25 RB	0	Back side	19.00	23095	707.5	23.5	23.36	103.28%	0.310	0.320	-
LTE Band 12					Top Curve side	30.00	23095	707.5	23.5	23.36	103.28%	0.030	0.031	-
LTE Band 12					Top side	30.00	23095	707.5	23.5	23.36	103.28%	0.016	0.017	-
LTE Band 12					Bottom side	0.00	23095	707.5	23.5	23.36	103.28%	0.001	0.001	-
LTE Band 12					Right side	4.00	23095	707.5	23.5	23.36	103.28%	0.037	0.038	-
LTE Band 12			50 RB		Back side	19.00	23060	704	23.5	23.37	103.04%	0.305	0.314	-
LTE Band 12					Top Curve side	30.00	23060	704	23.5	23.37	103.04%	0.033	0.034	-
LTE Band 12					Top side	30.00	23060	704	23.5	23.37	103.04%	0.015	0.015	-
LTE Band 12					Bottom side	0.00	23060	704	23.5	23.37	103.04%	0.001	0.001	-
LTE Band 12					Right side	4.00	23060	704	23.5	23.37	103.04%	0.036	0.037	-
LTE Band 13	10MHz	QPSK	1 RB	0	Back side	19.00	23230	782	24.5	23.57	123.88%	0.201	0.249	306
LTE Band 13				25	Back side	19.00	23230	782	24.5	23.52	125.31%	0.194	0.243	-
LTE Band 13				49	Back side	19.00	23230	782	24.5	23.51	125.60%	0.178	0.224	-
LTE Band 13				0	Top Curve side	30.00	23230	782	24.5	23.57	123.88%	0.073	0.090	-
LTE Band 13					Top side	30.00	23230	782	24.5	23.57	123.88%	0.033	0.041	-
LTE Band 13					Bottom side	0.00	23230	782	24.5	23.57	123.88%	0.001	0.001	-
LTE Band 13					Left side	0.00	23230	782	24.5	23.57	123.88%	0.001	0.001	-
LTE Band 13					Right side	4.00	23230	782	24.5	23.57	123.88%	0.045	0.056	-
LTE Band 13			25 RB	0	Back side	19.00	23230	782	23.5	22.37	129.72%	0.182	0.236	-
LTE Band 13					Top Curve side	30.00	23230	782	23.5	22.37	129.72%	0.066	0.086	-
LTE Band 13					Top side	30.00	23230	782	23.5	22.37	129.72%	0.029	0.038	-
LTE Band 13					Bottom side	0.00	23230	782	23.5	22.37	129.72%	0.001	0.001	-
LTE Band 13					Right side	4.00	23230	782	23.5	22.37	129.72%	0.042	0.054	-
LTE Band 13			50 RB		Back side	19.00	23230	782	23.5	22.49	126.18%	0.186	0.235	-
LTE Band 13					Top Curve side	30.00	23230	782	23.5	22.49	126.18%	0.055	0.069	-
LTE Band 13					Top side	30.00	23230	782	23.5	22.49	126.18%	0.030	0.038	-
LTE Band 13					Bottom side	0.00	23230	782	23.5	22.49	126.18%	0.001	0.001	-
LTE Band 13					Right side	4.00	23230	782	23.5	22.49	126.18%	0.040	0.050	-

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LTE FDD Band 14 / 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	19.00	23330	793	24	23.94	101.39%	0.173	0.175	307
LTE Band 14				25	Back side	19.00	23330	793	24	23.88	102.80%	0.164	0.169	-
LTE Band 14				49	Back side	19.00	23330	793	24	23.82	104.23%	0.136	0.142	-
LTE Band 14				0	Top Curve side	30.00	23330	793	24	23.94	101.39%	0.074	0.075	-
LTE Band 14					Top side	30.00	23330	793	24	23.94	101.39%	0.046	0.047	-
LTE Band 14					Bottom side	0.00	23330	793	24	23.94	101.39%	0.001	0.001	-
LTE Band 14					Left side	0.00	23330	793	24	23.94	101.39%	0.001	0.001	-
LTE Band 14					Right side	4.00	23330	793	24	23.94	101.39%	0.031	0.031	-
LTE Band 14			25 RB	0	Back side	19.00	23330	793	23	22.79	104.95%	0.143	0.150	-
LTE Band 14					Top Curve side	30.00	23330	793	23	22.79	104.95%	0.061	0.064	-
LTE Band 14					Top side	30.00	23330	793	23	22.79	104.95%	0.046	0.048	-
LTE Band 14					Bottom side	0.00	23330	793	23	22.79	104.95%	0.001	0.001	-
LTE Band 14					Right side	4.00	23330	793	23	22.79	104.95%	0.025	0.026	-
LTE Band 14			50 RB		Back side	19.00	23330	793	23	22.77	105.44%	0.143	0.151	-
LTE Band 14					Top Curve side	30.00	23330	793	23	22.77	105.44%	0.071	0.075	-
LTE Band 14					Top side	30.00	23330	793	23	22.77	105.44%	0.035	0.037	-
LTE Band 14					Bottom side	0.00	23330	793	23	22.77	105.44%	0.001	0.001	-
LTE Band 14					Right side	4.00	23330	793	23	22.77	105.44%	0.028	0.030	-
LTE Band 25	20MHz	QPSK	1RB	0	Back side	19.00	26590	1905	24.5	24.47	100.69%	0.437	0.440	-
LTE Band 25					Top Curve side	30.00	26590	1905	24.5	24.47	100.69%	0.073	0.074	-
LTE Band 25					Top side	30.00	26590	1905	24.5	24.47	100.69%	0.077	0.078	-
LTE Band 25					Bottom side	0.00	26590	1905	24.5	24.47	100.69%	0.001	0.001	-
LTE Band 25					Left side	0.00	26590	1905	24.5	24.47	100.69%	0.001	0.001	-
LTE Band 25					Right side	4.00	26140	1860	24.5	24.25	105.93%	0.441	0.467	-
LTE Band 25					Right side	4.00	26365	1882.5	24.5	24.35	103.51%	0.575	0.595	308
LTE Band 25					Right side	4.00	26590	1905	24.5	24.47	100.69%	0.492	0.495	-
LTE Band 25			50 RB	0	Back side	19.00	26140	1860	23.5	23.17	107.89%	0.432	0.466	-
LTE Band 25					Top Curve side	30.00	26140	1860	23.5	23.17	107.89%	0.053	0.057	-
LTE Band 25					Top side	30.00	26140	1860	23.5	23.17	107.89%	0.063	0.068	-
LTE Band 25					Bottom side	0.00	26140	1860	23.5	23.17	107.89%	0.001	0.001	-
LTE Band 25					Right side	4.00	26140	1860	23.5	23.17	107.89%	0.343	0.370	-
LTE Band 25			100 RB		Back side	19.00	26140	1860	23.5	23.23	106.41%	0.407	0.433	-
LTE Band 25					Top Curve side	30.00	26140	1860	23.5	23.23	106.41%	0.052	0.055	-
LTE Band 25					Top side	30.00	26140	1860	23.5	23.23	106.41%	0.069	0.073	-
LTE Band 25					Bottom side	0.00	26140	1860	23.5	23.23	106.41%	0.001	0.001	-
LTE Band 25					Right side	4.00	26140	1860	23.5	23.23	106.41%	0.372	0.396	-
LTE Band 26	15MHz	QPSK	1RB	0	Back side	19.00	26765	821.5	24.5	24.42	101.86%	0.209	0.213	-
LTE Band 26					Back side	19.00	26865	831.5	24.5	24.49	100.23%	0.177	0.177	-
LTE Band 26					Back side	19.00	26965	841.5	24.5	24.45	101.16%	0.242	0.245	309
LTE Band 26					Top Curve side	30.00	26865	831.5	24.5	24.49	100.23%	0.056	0.056	-
LTE Band 26					Top side	30.00	26865	831.5	24.5	24.49	100.23%	0.018	0.018	-
LTE Band 26					Bottom side	0.00	26865	831.5	24.5	24.49	100.23%	0.001	0.001	-
LTE Band 26					Left side	0.00	26865	831.5	24.5	24.49	100.23%	0.001	0.001	-
LTE Band 26					Right side	4.00	26865	831.5	24.5	24.49	100.23%	0.045	0.045	-
LTE Band 26			36 RB	0	Back side	19.00	26865	831.5	23.5	23.39	102.57%	0.199	0.204	-
LTE Band 26					Top Curve side	30.00	26865	831.5	23.5	23.39	102.57%	0.054	0.055	-
LTE Band 26					Top side	30.00	26865	831.5	23.5	23.39	102.57%	0.015	0.015	-
LTE Band 26					Bottom side	0.00	26865	831.5	23.5	23.39	102.57%	0.001	0.001	-
LTE Band 26					Right side	4.00	26865	831.5	23.5	23.39	102.57%	0.044	0.045	-
LTE Band 26			75 RB		Back side	19.00	26865	831.5	23.5	23.41	102.09%	0.172	0.176	-
LTE Band 26					Top Curve side	30.00	26865	831.5	23.5	23.41	102.09%	0.041	0.042	-
LTE Band 26					Top side	30.00	26865	831.5	23.5	23.41	102.09%	0.017	0.017	-
LTE Band 26					Bottom side	0.00	26865	831.5	23.5	23.41	102.09%	0.001	0.001	-
LTE Band 26					Right side	4.00	26865	831.5	23.5	23.41	102.09%	0.037	0.038	-
LTE Band 30	10MHz	QPSK	1 RB	0	Back side	19.00	27710	2310	20.5	20.45	101.16%	0.198	0.200	-
LTE Band 30					Top Curve side	30.00	27710	2310	20.5	20.45	101.16%	0.152	0.154	-
LTE Band 30					Top side	30.00	27710	2310	20.5	20.45	101.16%	0.139	0.141	-
LTE Band 30					Bottom side	0.00	27710	2310	20.5	20.45	101.16%	0.001	0.001	-
LTE Band 30					Left side	0.00	27710	2310	20.5	20.45	101.16%	0.001	0.001	-
LTE Band 30					Right side	4.00	27710	2310	20.5	20.45	101.16%	0.490	0.496	310
LTE Band 30				25	Right side	4.00	27710	2310	20.5	20.35	103.51%	0.443	0.459	-
LTE Band 30				49	Right side	4.00	27710	2310	20.5	20.33	103.99%	0.410	0.426	-
LTE Band 30			25 RB	0	Back side	19.00	27710	2310	19.5	19.21	106.91%	0.148	0.158	-
LTE Band 30					Top Curve side	30.00	27710	2310	19.5	19.21	106.91%	0.117	0.125	-
LTE Band 30					Top side	30.00	27710	2310	19.5	19.21	106.91%	0.127	0.136	-
LTE Band 30					Bottom side	0.00	27710	2310	19.5	19.21	106.91%	0.001	0.001	-
LTE Band 30					Right side	4.00	27710	2310	19.5	19.21	106.91%	0.396	0.423	-
LTE Band 30			50 RB		Back side	19.00	27710	2310	19.5	19.19	107.40%	0.174	0.187	-
LTE Band 30					Top Curve side	30.00	27710	2310	19.5	19.19	107.40%	0.146	0.157	-
LTE Band 30					Top side	30.00	27710	2310	19.5	19.19	107.40%	0.125	0.134	-
LTE Band 30					Bottom side	0.00	27710	2310	19.5	19.19	107.40%	0.001	0.001	-
LTE Band 30					Right side	4.00	27710	2310	19.5	19.19	107.40%	0.431	0.463	-

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LTE TDD Band 38 / Band 41 / LTE FDD Band 66 (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	1RB	0	Back side	19.00	38000	2595	24.5	24.42	101.86%	0.205	0.209	-
LTE Band 38					Top Curve side	30.00	38000	2595	24.5	24.42	101.86%	0.198	0.202	-
LTE Band 38					Top side	30.00	38000	2595	24.5	24.42	101.86%	0.261	0.266	-
LTE Band 38					Bottom side	0.00	38000	2595	24.5	24.42	101.86%	0.001	0.001	-
LTE Band 38					Left side	0.00	38000	2595	24.5	24.42	101.86%	0.001	0.001	-
LTE Band 38					Right side	4.00	37850	2580	24.5	24.35	103.51%	0.227	0.235	-
LTE Band 38					Right side	4.00	38000	2595	24.5	24.42	101.86%	0.230	0.234	-
LTE Band 38					Right side	4.00	38150	2610	24.5	24.31	104.47%	0.283	0.296	311
LTE Band 38			50 RB	0	Back side	19.00	38150	2610	23.5	23.24	106.17%	0.163	0.173	-
LTE Band 38					Top Curve side	30.00	38150	2610	23.5	23.24	106.17%	0.150	0.159	-
LTE Band 38					Top side	30.00	38150	2610	23.5	23.24	106.17%	0.186	0.197	-
LTE Band 38					Bottom side	0.00	38150	2610	23.5	23.24	106.17%	0.001	0.001	-
LTE Band 38					Right side	4.00	38150	2610	23.5	23.24	106.17%	0.223	0.237	-
LTE Band 38			100 RB		Back side	19.00	37850	2580	23.5	23.27	105.44%	0.173	0.182	-
LTE Band 38					Top Curve side	30.00	37850	2580	23.5	23.27	105.44%	0.196	0.207	-
LTE Band 38					Top side	30.00	37850	2580	23.5	23.27	105.44%	0.238	0.251	-
LTE Band 38					Bottom side	0.00	37850	2580	23.5	23.27	105.44%	0.001	0.001	-
LTE Band 38					Right side	4.00	37850	2580	23.5	23.27	105.44%	0.171	0.180	-
LTE Band 41	20MHz	QPSK	1RB	0	Back side	19.00	39750	2506	24.5	24.47	100.69%	0.246	0.248	-
LTE Band 41					Top Curve side	30.00	39750	2506	24.5	24.47	100.69%	0.299	0.301	-
LTE Band 41					Top side	30.00	39750	2506	24.5	24.47	100.69%	0.336	0.338	-
LTE Band 41					Bottom side	0.00	39750	2506	24.5	24.47	100.69%	0.001	0.001	-
LTE Band 41					Left side	0.00	39750	2506	24.5	24.47	100.69%	0.001	0.001	-
LTE Band 41					Right side	4.00	39750	2506	24.5	24.47	100.69%	0.461	0.464	-
LTE Band 41					Right side	4.00	40185	2549.5	24.5	24.34	103.75%	0.479	0.497	312
LTE Band 41					Right side	4.00	40620	2593	24.5	24.42	101.86%	0.462	0.471	-
LTE Band 41					Right side	4.00	41055	2636.5	24.5	24.31	104.47%	0.401	0.419	-
LTE Band 41					Right side	4.00	41490	2680	24.5	24.32	104.23%	0.430	0.448	-
LTE Band 41			50 RB	0	Back side	19.00	40185	2549.5	23.5	23.23	106.41%	0.200	0.213	-
LTE Band 41					Top Curve side	30.00	40185	2549.5	23.5	23.23	106.41%	0.271	0.288	-
LTE Band 41					Top side	30.00	40185	2549.5	23.5	23.23	106.41%	0.302	0.321	-
LTE Band 41					Bottom side	0.00	40185	2549.5	23.5	23.23	106.41%	0.001	0.001	-
LTE Band 41					Right side	4.00	40185	2549.5	23.5	23.23	106.41%	0.336	0.358	-
LTE Band 41			100 RB		Back side	19.00	39750	2506	23.5	23.31	104.47%	0.210	0.219	-
LTE Band 41					Top Curve side	30.00	39750	2506	23.5	23.31	104.47%	0.259	0.271	-
LTE Band 41					Top side	30.00	39750	2506	23.5	23.31	104.47%	0.305	0.319	-
LTE Band 41					Bottom side	0.00	39750	2506	23.5	23.31	104.47%	0.001	0.001	-
LTE Band 41					Right side	4.00	39750	2506	23.5	23.31	104.47%	0.401	0.419	-
41C	20MHz	QPSK	1 RB	99	Right side	4.00	39750	2506	24.5	23.98	112.72%	0.403	0.454	-
LTE Band 66	20MHz	QPSK	1RB	0	Back side	19.00	132072	1720	24	23.85	103.51%	0.630	0.652	-
LTE Band 66					Back side	19.00	132322	1745	24	23.94	101.39%	0.676	0.685	313
LTE Band 66					Back side	19.00	132572	1770	24	23.87	103.04%	0.610	0.629	-
LTE Band 66					Top Curve side	30.00	132322	1745	24	23.94	101.39%	0.307	0.311	-
LTE Band 66					Top side	30.00	132322	1745	24	23.94	101.39%	0.406	0.412	-
LTE Band 66					Bottom side	0.00	132322	1745	24	23.94	101.39%	0.001	0.001	-
LTE Band 66					Left side	0.00	132322	1745	24	23.94	101.39%	0.001	0.001	-
LTE Band 66					Right side	4.00	132322	1745	24	23.94	101.39%	0.171	0.173	-
LTE Band 66			50 RB	0	Back side	19.00	132322	1745	23	22.73	106.41%	0.410	0.436	-
LTE Band 66					Top Curve side	30.00	132322	1745	23	22.73	106.41%	0.303	0.322	-
LTE Band 66					Top side	30.00	132322	1745	23	22.73	106.41%	0.319	0.339	-
LTE Band 66					Bottom side	0.00	132322	1745	23	22.73	106.41%	0.001	0.001	-
LTE Band 66					Right side	4.00	132322	1745	23	22.73	106.41%	0.129	0.137	-
LTE Band 66			100 RB		Back side	19.00	132072	1720	23	22.84	103.75%	0.383	0.397	-
LTE Band 66					Top Curve side	30.00	132072	1720	23	22.84	103.75%	0.259	0.269	-
LTE Band 66					Top side	30.00	132072	1720	23	22.84	103.75%	0.353	0.366	-
LTE Band 66					Bottom side	0.00	132072	1720	23	22.84	103.75%	0.001	0.001	-
LTE Band 66					Right side	4.00	132072	1720	23	22.84	103.75%	0.146	0.151	-

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LTE FDD Band 2 / Band 4 / Band 5 (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					Back side	0.00	18700	1860	17	16.81	104.47%	0.520	0.543	-
LTE Band 2					Back side	0.00	18900	1880	17	16.85	103.51%	0.430	0.445	-
LTE Band 2					Back side	0.00	19100	1900	17	16.94	101.39%	0.569	0.577	314
LTE Band 2			1 RB	0	Top Curve side	0.00	19100	1900	17	16.94	101.39%	0.369	0.374	-
LTE Band 2					Top side	0.00	19100	1900	17	16.94	101.39%	0.359	0.364	-
LTE Band 2					Bottom side	0.00	19100	1900	17	16.94	101.39%	0.001	0.001	-
LTE Band 2					Right side	0.00	19100	1900	17	16.94	101.39%	0.198	0.201	-
LTE Band 2					Back side	0.00	18900	1880	16	15.82	104.23%	0.376	0.392	-
LTE Band 2	20MHz	QPSK			Top Curve side	0.00	18900	1880	16	15.82	104.23%	0.213	0.222	-
LTE Band 2			50 RB	0	Top side	0.00	18900	1880	16	15.82	104.23%	0.243	0.253	-
LTE Band 2					Bottom side	0.00	18900	1880	16	15.82	104.23%	0.001	0.001	-
LTE Band 2					Right side	0.00	18900	1880	16	15.82	104.23%	0.149	0.155	-
LTE Band 2					Back side	0.00	19100	1900	16	15.83	103.99%	0.438	0.455	-
LTE Band 2					Top Curve side	0.00	19100	1900	16	15.83	103.99%	0.274	0.285	-
LTE Band 2			100 RB		Top side	0.00	19100	1900	16	15.83	103.99%	0.280	0.291	-
LTE Band 2					Bottom side	0.00	19100	1900	16	15.83	103.99%	0.001	0.001	-
LTE Band 2					Right side	0.00	19100	1900	16	15.83	103.99%	0.153	0.159	-
LTE Band 4					Back side	0.00	20050	1720	15.5	15.49	100.23%	0.631	0.632	-
LTE Band 4					Back side	0.00	20175	1732.5	15.5	15.41	102.09%	0.931	0.950	315
LTE Band 4					Back side	0.00	20300	1745	15.5	15.42	101.86%	0.723	0.736	-
LTE Band 4			1 RB	0	Top Curve side	0.00	20050	1720	15.5	15.49	100.23%	0.347	0.348	-
LTE Band 4					Top side	0.00	20050	1720	15.5	15.49	100.23%	0.344	0.345	-
LTE Band 4					Bottom side	0.00	20050	1720	15.5	15.49	100.23%	0.001	0.001	-
LTE Band 4					Right side	0.00	20050	1720	15.5	15.49	100.23%	0.020	0.020	-
LTE Band 4					Back side	0.00	20050	1720	14.5	14.34	103.75%	0.702	0.728	-
LTE Band 4	20MHz	QPSK			Top Curve side	0.00	20050	1720	14.5	14.34	103.75%	0.278	0.288	-
LTE Band 4			50 RB	0	Top side	0.00	20050	1720	14.5	14.34	103.75%	0.328	0.340	-
LTE Band 4					Bottom side	0.00	20050	1720	14.5	14.34	103.75%	0.001	0.001	-
LTE Band 4					Right side	0.00	20050	1720	14.5	14.34	103.75%	0.018	0.019	-
LTE Band 4					Back side	0.00	20050	1720	14.5	14.37	103.04%	0.562	0.579	-
LTE Band 4					Top Curve side	0.00	20050	1720	14.5	14.37	103.04%	0.291	0.300	-
LTE Band 4			100 RB		Top side	0.00	20050	1720	14.5	14.37	103.04%	0.310	0.319	-
LTE Band 4					Bottom side	0.00	20050	1720	14.5	14.37	103.04%	0.001	0.001	-
LTE Band 4					Right side	0.00	20050	1720	14.5	14.37	103.04%	0.015	0.015	-
LTE Band 5					Back side	0.00	20450	829	17.5	17.41	102.09%	0.677	0.691	-
LTE Band 5					Back side	0.00	20525	836.5	17.5	17.49	100.23%	0.709	0.711	316
LTE Band 5					Back side	0.00	20600	844	17.5	17.42	101.86%	0.612	0.623	-
LTE Band 5			1 RB	0	Top Curve side	0.00	20525	836.5	17.5	17.49	100.23%	0.432	0.433	-
LTE Band 5					Top side	0.00	20525	836.5	17.5	17.49	100.23%	0.187	0.187	-
LTE Band 5					Bottom side	0.00	20525	836.5	17.5	17.49	100.23%	0.001	0.001	-
LTE Band 5					Right side	0.00	20525	836.5	17.5	17.49	100.23%	0.029	0.029	-
LTE Band 5					Back side	0.00	20450	829	16.5	16.38	102.80%	0.499	0.513	-
LTE Band 5	10MHz	QPSK			Top Curve side	0.00	20450	829	16.5	16.38	102.80%	0.329	0.338	-
LTE Band 5			25 RB	0	Top side	0.00	20450	829	16.5	16.38	102.80%	0.174	0.179	-
LTE Band 5					Bottom side	0.00	20450	829	16.5	16.38	102.80%	0.001	0.001	-
LTE Band 5					Right side	0.00	20450	829	16.5	16.38	102.80%	0.023	0.024	-
LTE Band 5					Back side	0.00	20450	829	16.5	16.31	104.47%	0.577	0.603	-
LTE Band 5					Top Curve side	0.00	20450	829	16.5	16.31	104.47%	0.318	0.332	-
LTE Band 5			50 RB		Top side	0.00	20450	829	16.5	16.31	104.47%	0.157	0.164	-
LTE Band 5					Bottom side	0.00	20450	829	16.5	16.31	104.47%	0.001	0.001	-
LTE Band 5					Right side	0.00	20450	829	16.5	16.31	104.47%	0.025	0.026	-

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LTE FDD Band 7 / Band 12 / Band 13 (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 7	20MHz	QPSK	1 RB	0	Back side	0.00	20850	2510	14	13.88	102.80%	0.749	0.770	-
LTE Band 7					Back side	0.00	21100	2535	14	13.92	101.86%	0.820	0.835	-
LTE Band 7					Back side	0.00	21350	2560	14	13.96	100.93%	0.868	0.876	317
Repeated					Back side	0.00	21350	2560	14	13.96	100.93%	0.841	0.849	-
LTE Band 7					Top Curve side	0.00	21350	2560	14	13.96	100.93%	0.672	0.678	-
LTE Band 7					Top side	0.00	21350	2560	14	13.96	100.93%	0.641	0.647	-
LTE Band 7					Bottom side	0.00	21350	2560	14	13.96	100.93%	0.001	0.001	-
LTE Band 7					Right side	0.00	21350	2560	14	13.96	100.93%	0.176	0.178	-
LTE Band 7			50 RB	0	Back side	0.00	21100	2535	13	12.86	103.28%	0.547	0.565	-
LTE Band 7					Top Curve side	0.00	21100	2535	13	12.86	103.28%	0.437	0.451	-
LTE Band 7					Top side	0.00	21100	2535	13	12.86	103.28%	0.505	0.522	-
LTE Band 7					Bottom side	0.00	21100	2535	13	12.86	103.28%	0.001	0.001	-
LTE Band 7					Right side	0.00	21100	2535	13	12.86	103.28%	0.141	0.146	-
LTE Band 7			100 RB		Back side	0.00	21350	2560	13	12.82	104.23%	0.662	0.690	-
LTE Band 7					Top Curve side	0.00	21350	2560	13	12.82	104.23%	0.415	0.433	-
LTE Band 7					Top side	0.00	21350	2560	13	12.82	104.23%	0.600	0.625	-
LTE Band 7					Bottom side	0.00	21350	2560	13	12.82	104.23%	0.001	0.001	-
LTE Band 7					Right side	0.00	21350	2560	13	12.82	104.23%	0.143	0.149	-
LTE Band 12	10MHz	QPSK	1 RB	0	Back side	0.00	23060	704	18	17.89	102.57%	0.703	0.721	-
LTE Band 12					Back side	0.00	23095	707.5	18	17.91	102.09%	0.726	0.741	-
LTE Band 12					Back side	0.00	23130	711	18	17.98	100.46%	0.887	0.891	318
Repeated					Back side	0.00	23130	711	18	17.98	100.46%	0.861	0.865	-
LTE Band 12					Top Curve side	0.00	23130	711	18	17.98	100.46%	0.649	0.652	-
LTE Band 12					Top side	0.00	23130	711	18	17.98	100.46%	0.720	0.723	-
LTE Band 12					Bottom side	0.00	23130	711	18	17.98	100.46%	0.001	0.001	-
LTE Band 12					Right side	0.00	23130	711	18	17.98	100.46%	0.048	0.048	-
LTE Band 12			25 RB	0	Back side	0.00	23095	707.5	17	16.79	104.95%	0.597	0.627	-
LTE Band 12					Top Curve side	0.00	23095	707.5	17	16.79	104.95%	0.565	0.593	-
LTE Band 12					Top side	0.00	23095	707.5	17	16.79	104.95%	0.550	0.577	-
LTE Band 12					Bottom side	0.00	23095	707.5	17	16.79	104.95%	0.001	0.001	-
LTE Band 12					Right side	0.00	23095	707.5	17	16.79	104.95%	0.054	0.057	-
LTE Band 12			50 RB		Back side	0.00	23130	711	17	16.89	102.57%	0.541	0.555	-
LTE Band 12					Top Curve side	0.00	23130	711	17	16.89	102.57%	0.453	0.465	-
LTE Band 12					Top side	0.00	23130	711	17	16.89	102.57%	0.697	0.715	-
LTE Band 12					Bottom side	0.00	23130	711	17	16.89	102.57%	0.001	0.001	-
LTE Band 12					Right side	0.00	23130	711	17	16.89	102.57%	0.040	0.041	-
LTE Band 13	10MHz	QPSK	1 RB	0	Back side	0.00	23230	782	19	18.99	100.23%	0.832	0.834	319
LTE Band 13				25	Back side	0.00	23230	782	19	18.98	100.46%	0.667	0.670	-
LTE Band 13				49	Back side	0.00	23230	782	19	18.94	101.39%	0.813	0.824	-
Repeated					Back side	0.00	23230	782	19	18.99	100.23%	0.811	0.813	-
LTE Band 13					Top Curve side	0.00	23230	782	19	18.99	100.23%	0.380	0.381	-
LTE Band 13				0	Top side	0.00	23230	782	19	18.99	100.23%	0.124	0.124	-
LTE Band 13					Bottom side	0.00	23230	782	19	18.99	100.23%	0.001	0.001	-
LTE Band 13					Right side	0.00	23230	782	19	18.99	100.23%	0.050	0.050	-
LTE Band 13			25 RB	0	Back side	0.00	23230	782	18	17.92	101.86%	0.764	0.778	-
LTE Band 13					Top Curve side	0.00	23230	782	18	17.92	101.86%	0.292	0.297	-
LTE Band 13					Top side	0.00	23230	782	18	17.92	101.86%	0.110	0.112	-
LTE Band 13					Bottom side	0.00	23230	782	18	17.92	101.86%	0.001	0.001	-
LTE Band 13					Right side	0.00	23230	782	18	17.92	101.86%	0.039	0.040	-
LTE Band 13			50 RB		Back side	0.00	23230	782	18	17.77	105.44%	0.747	0.788	-
LTE Band 13					Top Curve side	0.00	23230	782	18	17.77	105.44%	0.300	0.316	-
LTE Band 13					Top side	0.00	23230	782	18	17.77	105.44%	0.110	0.116	-
LTE Band 13					Bottom side	0.00	23230	782	18	17.77	105.44%	0.001	0.001	-
LTE Band 13					Right side	0.00	23230	782	18	17.77	105.44%	0.048	0.051	-

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

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LTE FDD Band 14 / 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 14	10MHz	QPSK	1 RB	0	Back side	0.00	23330	793	18	17.99	100.23%	0.795	0.797	320
LTE Band 14				25	Back side	0.00	23330	793	18	17.95	101.16%	0.692	0.700	-
LTE Band 14				49	Back side	0.00	23330	793	18	17.93	101.62%	0.575	0.584	-
LTE Band 14				0	Top Curve side	0.00	23330	793	18	17.99	100.23%	0.571	0.572	-
LTE Band 14					Top side	0.00	23330	793	18	17.99	100.23%	0.296	0.297	-
LTE Band 14					Bottom side	0.00	23330	793	18	17.99	100.23%	0.001	0.001	-
LTE Band 14					Right side	0.00	23330	793	18	17.99	100.23%	0.042	0.042	-
LTE Band 14			25 RB	0	Back side	0.00	23330	793	17	16.73	106.41%	0.631	0.671	-
LTE Band 14					Top Curve side	0.00	23330	793	17	16.73	106.41%	0.505	0.537	-
LTE Band 14					Top side	0.00	23330	793	17	16.73	106.41%	0.271	0.288	-
LTE Band 14					Bottom side	0.00	23330	793	17	16.73	106.41%	0.001	0.001	-
LTE Band 14					Right side	0.00	23330	793	17	16.73	106.41%	0.039	0.042	-
LTE Band 14			50 RB		Back side	0.00	23330	793	17	16.89	102.57%	0.579	0.594	-
LTE Band 14					Top Curve side	0.00	23330	793	17	16.89	102.57%	0.548	0.562	-
LTE Band 14					Top side	0.00	23330	793	17	16.89	102.57%	0.224	0.230	-
LTE Band 14					Bottom side	0.00	23330	793	17	16.89	102.57%	0.001	0.001	-
LTE Band 14					Right side	0.00	23330	793	17	16.89	102.57%	0.041	0.042	-
LTE Band 25	20MHz	QPSK	1 RB	0	Back side	0.00	26140	1860	17	16.98	100.46%	0.419	0.421	-
LTE Band 25					Back side	0.00	26365	1882.5	17	16.95	101.16%	0.445	0.450	-
LTE Band 25					Back side	0.00	26590	1905	17	16.99	100.23%	0.576	0.577	321
LTE Band 25					Top Curve side	0.00	26590	1905	17	16.99	100.23%	0.354	0.355	-
LTE Band 25					Top side	0.00	26590	1905	17	16.99	100.23%	0.385	0.386	-
LTE Band 25					Bottom side	0.00	26590	1905	17	16.99	100.23%	0.001	0.001	-
LTE Band 25					Right side	0.00	26590	1905	17	16.99	100.23%	0.205	0.205	-
LTE Band 25			50 RB	0	Back side	0.00	26140	1860	16	15.82	104.23%	0.377	0.393	-
LTE Band 25					Top Curve side	0.00	26140	1860	16	15.82	104.23%	0.233	0.243	-
LTE Band 25					Top side	0.00	26140	1860	16	15.82	104.23%	0.263	0.274	-
LTE Band 25					Bottom side	0.00	26140	1860	16	15.82	104.23%	0.001	0.001	-
LTE Band 25					Right side	0.00	26140	1860	16	15.82	104.23%	0.199	0.207	-
LTE Band 25			100 RB		Back side	0.00	26365	1882.5	16	15.82	104.23%	0.358	0.373	-
LTE Band 25					Top Curve side	0.00	26365	1882.5	16	15.82	104.23%	0.244	0.254	-
LTE Band 25					Top side	0.00	26365	1882.5	16	15.82	104.23%	0.270	0.281	-
LTE Band 25					Bottom side	0.00	26365	1882.5	16	15.82	104.23%	0.001	0.001	-
LTE Band 25					Right side	0.00	26365	1882.5	16	15.82	104.23%	0.194	0.202	-
LTE Band 26	15MHz	QPSK	1 RB	0	Back side	0.00	26765	821.5	18	17.96	100.93%	0.762	0.769	322
LTE Band 26					Back side	0.00	26865	831.5	18	17.99	100.23%	0.734	0.736	-
LTE Band 26					Back side	0.00	26965	841.5	18	17.98	100.46%	0.701	0.704	-
LTE Band 26					Top Curve side	0.00	26865	831.5	18	17.99	100.23%	0.703	0.705	-
LTE Band 26					Top side	0.00	26865	831.5	18	17.99	100.23%	0.433	0.434	-
LTE Band 26					Bottom side	0.00	26865	831.5	18	17.99	100.23%	0.001	0.001	-
LTE Band 26					Right side	0.00	26865	831.5	18	17.99	100.23%	0.032	0.032	-
LTE Band 26			36 RB	0	Back side	0.00	26965	841.5	17	16.86	103.28%	0.544	0.562	-
LTE Band 26					Top Curve side	0.00	26965	841.5	17	16.86	103.28%	0.547	0.565	-
LTE Band 26					Top side	0.00	26965	841.5	17	16.86	103.28%	0.349	0.360	-
LTE Band 26					Bottom side	0.00	26965	841.5	17	16.86	103.28%	0.001	0.001	-
LTE Band 26					Right side	0.00	26965	841.5	17	16.86	103.28%	0.035	0.036	-
LTE Band 26			75 RB		Back side	0.00	26865	831.5	17	16.88	102.80%	0.707	0.727	-
LTE Band 26					Top Curve side	0.00	26865	831.5	17	16.88	102.80%	0.709	0.729	-
LTE Band 26					Top side	0.00	26865	831.5	17	16.88	102.80%	0.430	0.442	-
LTE Band 26					Bottom side	0.00	26865	831.5	17	16.88	102.80%	0.001	0.001	-
LTE Band 26					Right side	0.00	26865	831.5	17	16.88	102.80%	0.028	0.029	-
LTE Band 30	10MHz	QPSK	1 RB	0	Back side	0.00	27710	2310	13	12.95	101.16%	0.554	0.560	-
LTE Band 30				0	Top Curve side	0.00	27710	2310	13	12.95	101.16%	0.719	0.727	323
LTE Band 30				25	Top Curve side	0.00	27710	2310	13	12.92	101.86%	0.598	0.609	-
LTE Band 30				49	Top Curve side	0.00	27710	2310	13	12.89	102.57%	0.660	0.677	-
LTE Band 30				0	Top side	0.00	27710	2310	13	12.95	101.16%	0.617	0.624	-
LTE Band 30					Bottom side	0.00	27710	2310	13	12.95	101.16%	0.001	0.001	-
LTE Band 30					Right side	0.00	27710	2310	13	12.95	101.16%	0.147	0.149	-
LTE Band 30			25 RB	0	Back side	0.00	27710	2310	12	11.82	104.23%	0.428	0.446	-
LTE Band 30					Top Curve side	0.00	27710	2310	12	11.82	104.23%	0.575	0.599	-
LTE Band 30					Top side	0.00	27710	2310	12	11.82	104.23%	0.527	0.549	-
LTE Band 30					Bottom side	0.00	27710	2310	12	11.82	104.23%	0.001	0.001	-
LTE Band 30					Right side	0.00	27710	2310	12	11.82	104.23%	0.143	0.149	-
LTE Band 30			50 RB		Back side	0.00	27710	2310	12	11.85	103.51%	0.458	0.474	-
LTE Band 30					Top Curve side	0.00	27710	2310	12	11.85	103.51%	0.573	0.593	-
LTE Band 30					Top side	0.00	27710	2310	12	11.85	103.51%	0.587	0.608	-
LTE Band 30					Bottom side	0.00	27710	2310	12	11.85	103.51%	0.001	0.001	-
LTE Band 30					Right side	0.00	27710	2310	12	11.85	103.51%	0.110	0.114	-

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LTE TDD Band 38 / Band 41 / LTE FDD Band 66 (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	Back side	0.00	37850	2580	16	15.96	100.93%	0.779	0.786	-
LTE Band 38					Back side	0.00	38000	2595	16	15.87	103.04%	0.760	0.783	-
LTE Band 38					Back side	0.00	38150	2610	16	15.85	103.51%	0.814	0.843	324
Repeated					Back side	0.00	37850	2580	16	15.96	100.93%	0.727	0.734	-
LTE Band 38					Top Curve side	0.00	37850	2580	16	15.96	100.93%	0.547	0.552	-
LTE Band 38					Top side	0.00	37850	2580	16	15.96	100.93%	0.590	0.595	-
LTE Band 38					Bottom side	0.00	37850	2580	16	15.96	100.93%	0.001	0.001	-
LTE Band 38					Right side	0.00	37850	2580	16	15.96	100.93%	0.099	0.100	-
LTE Band 38			50 RB	0	Back side	0.00	37850	2580	15	14.82	104.23%	0.630	0.657	-
LTE Band 38					Top Curve side	0.00	37850	2580	15	14.82	104.23%	0.299	0.312	-
LTE Band 38					Top side	0.00	37850	2580	15	14.82	104.23%	0.421	0.439	-
LTE Band 38					Bottom side	0.00	37850	2580	15	14.82	104.23%	0.001	0.001	-
LTE Band 38					Right side	0.00	37850	2580	15	14.82	104.23%	0.081	0.084	-
LTE Band 38			100 RB		Back side	0.00	37850	2580	15	14.80	104.71%	0.700	0.733	-
LTE Band 38					Top Curve side	0.00	37850	2580	15	14.80	104.71%	0.399	0.418	-
LTE Band 38					Top side	0.00	37850	2580	15	14.80	104.71%	0.472	0.494	-
LTE Band 38					Bottom side	0.00	37850	2580	15	14.80	104.71%	0.001	0.001	-
LTE Band 38					Right side	0.00	37850	2580	15	14.80	104.71%	0.094	0.098	-
LTE Band 41	20MHz	QPSK	1 RB	0	Back side	0.00	39750	2506	16	15.92	101.86%	0.748	0.762	325
LTE Band 41					Back side	0.00	40185	2549.5	16	15.91	102.09%	0.608	0.621	-
LTE Band 41					Back side	0.00	40620	2593	16	15.87	103.04%	0.707	0.728	-
LTE Band 41					Back side	0.00	41055	2636.5	16	15.80	104.71%	0.544	0.570	-
LTE Band 41					Back side	0.00	41490	2680	16	15.82	104.23%	0.551	0.574	-
LTE Band 41					Top Curve side	0.00	39750	2506	16	15.92	101.86%	0.525	0.535	-
LTE Band 41					Top side	0.00	39750	2506	16	15.92	101.86%	0.552	0.562	-
LTE Band 41					Bottom side	0.00	39750	2506	16	15.92	101.86%	0.001	0.001	-
LTE Band 41					Right side	0.00	39750	2506	16	15.92	101.86%	0.105	0.107	-
LTE Band 41			50 RB	0	Back side	0.00	39750	2506	15	14.79	104.95%	0.401	0.421	-
LTE Band 41					Top Curve side	0.00	39750	2506	15	14.79	104.95%	0.327	0.343	-
LTE Band 41					Top side	0.00	39750	2506	15	14.79	104.95%	0.501	0.526	-
LTE Band 41					Bottom side	0.00	39750	2506	15	14.79	104.95%	0.001	0.001	-
LTE Band 41					Right side	0.00	39750	2506	15	14.79	104.95%	0.092	0.097	-
LTE Band 41			100 RB		Back side	0.00	39750	2506	15	14.78	105.20%	0.510	0.537	-
LTE Band 41					Top Curve side	0.00	39750	2506	15	14.78	105.20%	0.368	0.387	-
LTE Band 41					Top side	0.00	39750	2506	15	14.78	105.20%	0.432	0.454	-
LTE Band 41					Bottom side	0.00	39750	2506	15	14.78	105.20%	0.001	0.001	-
LTE Band 41					Right side	0.00	39750	2506	15	14.78	105.20%	0.088	0.093	-
41C	20MHz	QPSK	1 RB	99	Back side	0.00	39750	2506	16	15.82	104.23%	0.708	0.738	-
LTE Band 66	20MHz	QPSK	1 RB	0	Back side	0.00	132072	1720	16	15.91	102.09%	0.658	0.672	-
LTE Band 66					Back side	0.00	132322	1745	16	15.89	102.57%	0.640	0.656	-
LTE Band 66					Back side	0.00	132572	1770	16	15.99	100.23%	0.721	0.723	326
LTE Band 66					Top Curve side	0.00	132572	1770	16	15.99	100.23%	0.409	0.410	-
LTE Band 66					Top side	0.00	132572	1770	16	15.99	100.23%	0.398	0.399	-
LTE Band 66					Bottom side	0.00	132572	1770	16	15.99	100.23%	0.001	0.001	-
LTE Band 66					Right side	0.00	132572	1770	16	15.99	100.23%	0.038	0.038	-
LTE Band 66			50 RB	0	Back side	0.00	132072	1720	15	14.87	103.04%	0.644	0.664	-
LTE Band 66					Top Curve side	0.00	132072	1720	15	14.87	103.04%	0.236	0.243	-
LTE Band 66					Top side	0.00	132072	1720	15	14.87	103.04%	0.241	0.248	-
LTE Band 66					Bottom side	0.00	132072	1720	15	14.87	103.04%	0.001	0.001	-
LTE Band 66					Right side	0.00	132072	1720	15	14.87	103.04%	0.031	0.032	-
LTE Band 66			100 RB		Back side	0.00	132072	1720	15	14.82	104.23%	0.479	0.499	-
LTE Band 66					Top Curve side	0.00	132072	1720	15	14.82	104.23%	0.256	0.267	-
LTE Band 66					Top side	0.00	132072	1720	15	14.82	104.23%	0.236	0.246	-
LTE Band 66					Bottom side	0.00	132072	1720	15	14.82	104.23%	0.001	0.001	-
LTE Band 66					Right side	0.00	132072	1720	15	14.82	104.23%	0.030	0.031	-

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

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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	
Main	802.11b	Back side	0	1	2412	14.50	14.18	1.005	108.16%	0.818	0.885	327
	802.11b	Back side	0	6	2437	14.50	14.35	1.005	104.01%	0.697	0.725	-
	802.11b	Back side	0	11	2462	14.50	14.37	1.005	103.53%	0.768	0.795	-
	Repeated	Back side	0	1	2412	14.50	14.18	1.005	108.16%	0.801	0.866	-
	802.11b	Top Curve side	0	11	2462	14.50	14.37	1.005	103.53%	0.715	0.740	-
	802.11b	Top side	0	11	2462	14.50	14.37	1.005	103.53%	0.638	0.661	-
	802.11b	Bottom side	0	11	2462	14.50	14.37	1.005	103.53%	0.001	0.001	-
	802.11b	Right side	0	11	2462	14.50	14.37	1.005	103.53%	0.001	0.001	-
	802.11b	Left side	0	11	2462	14.50	14.37	1.005	103.53%	0.042	0.043	-
	802.11ac80-VHT0	Back side	0	42	5210	9.00	8.99	1.016	101.83%	0.299	0.304	-
	802.11ac80-VHT0	Top Curve side	0	42	5210	9.00	8.99	1.016	101.83%	1.120	1.141	328
	Repeated	Top Curve side	0	42	5210	9.00	8.99	1.016	101.83%	1.020	1.039	-
	802.11ac80-VHT0	Top side	0	42	5210	9.00	8.99	1.016	101.83%	0.971	0.989	-
	802.11ac80-VHT0	Bottom side	0	42	5210	9.00	8.99	1.016	101.83%	0.044	0.045	-
	802.11ac80-VHT0	Right side	0	42	5210	9.00	8.99	1.016	101.83%	0.029	0.030	-
	802.11ac80-VHT0	Left side	0	42	5210	9.00	8.99	1.016	101.83%	0.041	0.042	-
	802.11ac160-VHT0	Back side	0	50	5250	9.00	8.95	1.018	102.98%	0.275	0.283	-
	802.11ac160-VHT0	Top Curve side	0	50	5250	9.00	8.95	1.018	102.98%	1.080	1.112	-
	802.11ac160-VHT0	Top side	0	50	5250	9.00	8.95	1.018	102.98%	1.120	1.153	329
	Repeated	Top side	0	50	5250	9.00	8.95	1.018	102.98%	1.010	1.040	-
	802.11ac160-VHT0	Bottom side	0	50	5250	9.00	8.95	1.018	102.98%	0.051	0.053	-
	802.11ac160-VHT0	Right side	0	50	5250	9.00	8.95	1.018	102.98%	0.030	0.031	-
	802.11ac160-VHT0	Left side	0	50	5250	9.00	8.95	1.018	102.98%	0.044	0.045	-
	802.11n40-HT0	Back side	0	54	5270	8.50	8.35	1.012	104.76%	0.211	0.221	-
	802.11n40-HT0	Top Curve side	0	54	5270	8.50	8.35	1.012	104.76%	0.825	0.864	-
	802.11n40-HT0	Top side	0	54	5270	8.50	8.35	1.012	104.76%	1.080	1.131	330
	802.11n40-HT0	Top side	0	62	5310	8.50	8.28	1.012	106.46%	0.995	1.059	-
	Repeated	Top side	0	54	5270	8.50	8.35	1.012	104.76%	1.050	1.100	-
	802.11n40-HT0	Bottom side	0	54	5270	8.50	8.35	1.012	104.76%	0.036	0.038	-
	802.11n40-HT0	Right side	0	54	5270	8.50	8.35	1.012	104.76%	0.041	0.043	-
	802.11n40-HT0	Left side	0	54	5270	8.50	8.35	1.012	104.76%	0.059	0.062	-
	802.11ac80-VHT0	Back side	0	58	5290	8.50	8.47	1.016	102.30%	0.234	0.239	-
	802.11ac80-VHT0	Top Curve side	0	58	5290	8.50	8.47	1.016	102.30%	0.872	0.892	-
	802.11ac80-VHT0	Top side	0	58	5290	8.50	8.47	1.016	102.30%	1.110	1.136	331
	Repeated	Top side	0	58	5290	8.50	8.47	1.016	102.30%	1.040	1.064	-
	802.11ac80-VHT0	Bottom side	0	58	5290	8.50	8.47	1.016	102.30%	0.038	0.039	-
	802.11ac80-VHT0	Right side	0	58	5290	8.50	8.47	1.016	102.30%	0.045	0.046	-
	802.11ac80-VHT0	Left side	0	58	5290	8.50	8.47	1.016	102.30%	0.078	0.080	-
	802.11ac80-VHT0	Back side	0	138	5690	7.50	7.49	1.016	101.83%	0.260	0.265	-
	802.11ac80-VHT0	Top Curve side	0	138	5690	7.50	7.49	1.016	101.83%	0.850	0.866	-
	802.11ac80-VHT0	Top side	0	106	5530	7.50	7.39	1.016	104.21%	0.989	1.031	-
	802.11ac80-VHT0	Top side	0	138	5690	7.50	7.49	1.016	101.83%	1.120	1.141	332
	Repeated	Top side	0	138	5690	7.50	7.49	1.016	101.83%	1.110	1.130	-
	802.11ac80-VHT0	Bottom side	0	138	5690	7.50	7.49	1.016	101.83%	0.084	0.086	-
	802.11ac80-VHT0	Right side	0	138	5690	7.50	7.49	1.016	101.83%	0.039	0.040	-
	802.11ac80-VHT0	Left side	0	138	5690	7.50	7.49	1.016	101.83%	0.037	0.038	-
	802.11ac160-VHT0	Back side	0	114	5570	7.50	7.38	1.018	104.65%	0.146	0.153	-
	802.11ac160-VHT0	Top Curve side	0	114	5570	7.50	7.38	1.018	104.65%	0.748	0.783	-
	802.11ac160-VHT0	Top side	0	114	5570	7.50	7.38	1.018	104.65%	1.010	1.057	333
	Repeated	Top side	0	114	5570	7.50	7.38	1.018	104.65%	0.995	1.041	-
	802.11ac160-VHT0	Bottom side	0	114	5570	7.50	7.38	1.018	104.65%	0.082	0.086	-
	802.11ac160-VHT0	Right side	0	114	5570	7.50	7.38	1.018	104.65%	0.035	0.037	-
	802.11ac160-VHT0	Left side	0	114	5570	7.50	7.38	1.018	104.65%	0.036	0.038	-
	802.11n40-HT0	Back side	0	159	5795	7.00	6.99	1.012	101.43%	0.120	0.122	-
	802.11n40-HT0	Top Curve side	0	159	5795	7.00	6.99	1.012	101.43%	0.831	0.843	-
	802.11n40-HT0	Top side	0	151	5755	7.00	6.91	1.012	103.32%	1.060	1.095	-
	802.11n40-HT0	Top side	0	159	5795	7.00	6.99	1.012	101.43%	1.110	1.126	334
	Repeated	Top side	0	159	5795	7.00	6.99	1.012	101.43%	1.040	1.055	-
	802.11n40-HT0	Bottom side	0	159	5795	7.00	6.99	1.012	101.43%	0.045	0.046	-
	802.11n40-HT0	Right side	0	159	5795	7.00	6.99	1.012	101.43%	0.033	0.033	-
	802.11n40-HT0	Left side	0	159	5795	7.00	6.99	1.012	101.43%	0.028	0.028	-
	802.11ac80-VHT0	Back side	0	155	5775	7.00	6.99	1.016	101.83%	0.141	0.144	-
	802.11ac80-VHT0	Top Curve side	0	155	5775	7.00	6.99	1.016	101.83%	0.819	0.834	-
	802.11ac80-VHT0	Top side	0	155	5775	7.00	6.99	1.016	101.83%	1.100	1.120	335
	Repeated	Top side	0	155	5775	7.00	6.99	1.016	101.83%	1.020	1.039	-
	802.11ac80-VHT0	Bottom side	0	155	5775	7.00	6.99	1.016	101.83%	0.046	0.047	-
	802.11ac80-VHT0	Right side	0	155	5775	7.00	6.99	1.016	101.83%	0.036	0.037	-
	802.11ac80-VHT0	Left side	0	155	5775	7.00	6.99	1.016	101.83%	0.030	0.031	-

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

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WLAN Aux/BT 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/BT	802.11b	Back side	0	1	2412	13.50	13.48	1.005	100.94%	0.637	0.643	336
	802.11b	Top Curve side	0	1	2412	13.50	13.48	1.005	100.94%	0.472	0.476	-
	802.11b	Top side	0	1	2412	13.50	13.48	1.005	100.94%	0.398	0.402	-
	802.11b	Bottom side	0	1	2412	13.50	13.48	1.005	100.94%	0.001	0.001	-
	802.11b	Right side	0	1	2412	13.50	13.48	1.005	100.94%	0.016	0.016	-
	802.11b	Left side	0	1	2412	13.50	13.48	1.005	100.94%	0.001	0.001	-
	BR/EDR	Back side	0	CH 78	2480	11.00	10.94	1.295	131.30%	0.232	0.305	337
	BR/EDR	Top Curve side	0	CH 78	2480	11.00	10.94	1.295	131.30%	0.183	0.240	-
	BR/EDR	Top side	0	CH 78	2480	11.00	10.94	1.295	131.30%	0.138	0.181	-
	BR/EDR	Bottom side	0	CH 78	2480	11.00	10.94	1.295	131.30%	0.001	0.001	-
	BR/EDR	Right side	0	CH 78	2480	11.00	10.94	1.295	131.30%	0.001	0.001	-
	BR/EDR	Left side	0	CH 78	2480	11.00	10.94	1.295	131.30%	0.001	0.001	-
	802.11ac80-VHT0	Back side	0	42	5210	11.00	10.99	1.016	101.83%	0.611	0.622	-
	802.11ac80-VHT0	Top Curve side	0	42	5210	11.00	10.99	1.016	101.83%	0.895	0.911	338
	Repeated	Top Curve side	0	42	5210	11.00	10.99	1.016	101.83%	0.888	0.904	-
	802.11ac80-VHT0	Top side	0	42	5210	11.00	10.99	1.016	101.83%	0.758	0.772	-
	802.11ac80-VHT0	Bottom side	0	42	5210	11.00	10.99	1.016	101.83%	0.026	0.026	-
	802.11ac80-VHT0	Right side	0	42	5210	11.00	10.99	1.016	101.83%	0.033	0.034	-
	802.11ac80-VHT0	Left side	0	42	5210	11.00	10.99	1.016	101.83%	0.051	0.052	-
	802.11ac160-VHT0	Back side	0	50	5250	11.00	10.86	1.018	105.14%	0.633	0.666	-
	802.11ac160-VHT0	Top Curve side	0	50	5250	11.00	10.86	1.018	105.14%	0.831	0.874	339
	Repeated	Top Curve side	0	50	5250	11.00	10.86	1.018	105.14%	0.822	0.864	-
	802.11ac160-VHT0	Top side	0	50	5250	11.00	10.86	1.018	105.14%	0.795	0.836	-
	802.11ac160-VHT0	Bottom side	0	50	5250	11.00	10.86	1.018	105.14%	0.031	0.033	-
	802.11ac160-VHT0	Right side	0	50	5250	11.00	10.86	1.018	105.14%	0.048	0.050	-
	802.11ac160-VHT0	Left side	0	50	5250	11.00	10.86	1.018	105.14%	0.064	0.067	-
	802.11n40-HT0	Back side	0	62	5310	11.50	11.49	1.012	101.43%	0.815	0.827	-
	802.11n40-HT0	Top Curve side	0	54	5270	11.50	11.43	1.012	102.84%	1.110	1.142	340
	802.11n40-HT0	Top Curve side	0	62	5310	11.50	11.49	1.012	101.43%	1.100	1.116	-
	Repeated	Top Curve side	0	54	5270	11.50	11.43	1.012	102.84%	0.999	1.027	-
	802.11n40-HT0	Top side	0	62	5310	11.50	11.49	1.012	101.43%	0.885	0.898	-
	802.11n40-HT0	Bottom side	0	62	5310	11.50	11.49	1.012	101.43%	0.033	0.033	-
	802.11n40-HT0	Right side	0	62	5310	11.50	11.49	1.012	101.43%	0.042	0.043	-
	802.11n40-HT0	Left side	0	62	5310	11.50	11.49	1.012	101.43%	0.061	0.062	-
	802.11ac80-VHT0	Back side	0	58	5290	11.50	11.48	1.016	102.07%	0.813	0.830	-
	802.11ac80-VHT0	Top Curve side	0	58	5290	11.50	11.48	1.016	102.07%	1.120	1.143	341
	Repeated	Top Curve side	0	58	5290	11.50	11.48	1.016	102.07%	1.110	1.133	-
	802.11ac80-VHT0	Top side	0	58	5290	11.50	11.48	1.016	102.07%	0.997	1.018	-
	802.11ac80-VHT0	Bottom side	0	58	5290	11.50	11.48	1.016	102.07%	0.037	0.038	-
	802.11ac80-VHT0	Right side	0	58	5290	11.50	11.48	1.016	102.07%	0.049	0.050	-
	802.11ac80-VHT0	Left side	0	58	5290	11.50	11.48	1.016	102.07%	0.068	0.069	-
	802.11ac80-VHT0	Back side	0	138	5690	10.50	10.48	1.016	102.07%	0.781	0.797	-
	802.11ac80-VHT0	Top Curve side	0	138	5690	10.50	10.48	1.016	102.07%	0.928	0.947	-
	802.11ac80-VHT0	Top side	0	106	5530	10.50	10.46	1.016	102.54%	1.060	1.087	-
	802.11ac80-VHT0	Top side	0	138	5690	10.50	10.48	1.016	102.07%	1.110	1.133	342
	Repeated	Top side	0	138	5690	10.50	10.48	1.016	102.07%	1.080	1.102	-
	802.11ac80-VHT0	Bottom side	0	138	5690	10.50	10.48	1.016	102.07%	0.037	0.038	-
	802.11ac80-VHT0	Right side	0	138	5690	10.50	10.48	1.016	102.07%	0.033	0.034	-
	802.11ac80-VHT0	Left side	0	138	5690	10.50	10.48	1.016	102.07%	0.039	0.040	-
	802.11ac160-VHT0	Back side	0	114	5570	10.50	10.49	1.018	102.03%	0.608	0.620	-
	802.11ac160-VHT0	Top Curve side	0	114	5570	10.50	10.49	1.018	102.03%	0.974	0.994	-
	802.11ac160-VHT0	Top side	0	114	5570	10.50	10.49	1.018	102.03%	1.070	1.092	343
	Repeated	Top side	0	114	5570	10.50	10.49	1.018	102.03%	1.010	1.031	-
	802.11ac160-VHT0	Bottom side	0	114	5570	10.50	10.49	1.018	102.03%	0.038	0.039	-
	802.11ac160-VHT0	Right side	0	114	5570	10.50	10.49	1.018	102.03%	0.034	0.035	-
	802.11ac160-VHT0	Left side	0	114	5570	10.50	10.49	1.018	102.03%	0.042	0.043	-
	802.11n40-HT0	Back side	0	151	5755	9.50	9.49	1.012	101.43%	0.812	0.824	-
	802.11n40-HT0	Top Curve side	0	151	5755	9.50	9.49	1.012	101.43%	0.920	0.933	-
	802.11n40-HT0	Top side	0	151	5755	9.50	9.49	1.012	101.43%	1.120	1.136	344
	802.11n40-HT0	Top side	0	159	5795	9.50	9.48	1.012	101.67%	1.050	1.068	-
	Repeated	Top side	0	151	5755	9.50	9.49	1.012	101.43%	1.090	1.106	-
	802.11n40-HT0	Bottom side	0	151	5755	9.50	9.49	1.012	101.43%	0.046	0.047	-
	802.11n40-HT0	Right side	0	151	5755	9.50	9.49	1.012	101.43%	0.035	0.036	-
	802.11n40-HT0	Left side	0	151	5755	9.50	9.49	1.012	101.43%	0.057	0.058	-
	802.11ac80-VHT0	Back side	0	155	5775	9.50	9.39	1.016	104.21%	0.643	0.670	-
	802.11ac80-VHT0	Top Curve side	0	155	5775	9.50	9.39	1.016	104.21%	0.737	0.768	-
	802.11ac80-VHT0	Top side	0	155	5775	9.50	9.39	1.016	104.21%	0.897	0.935	345
	Repeated	Top side	0	155	5775	9.50	9.39	1.016	104.21%	0.864	0.900	-
	802.11ac80-VHT0	Bottom side	0	155	5775	9.50	9.39	1.016	104.21%	0.036	0.038	-
	802.11ac80-VHT0	Right side	0	155	5775	9.50	9.39	1.016	104.21%	0.030	0.031	-
	802.11ac80-VHT0	Left side	0	155	5775	9.50	9.39	1.016	104.21%	0.054	0.056	-

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

Note:

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

Reported SAR = measured SAR * (scaling)

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

2.3 Reporting statements of conformity

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

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3. Simultaneous Transmission Analysis

Simultaneous Transmission Scenarios:

Notebook mode		
NO.	**Simultaneous Transmit Configurations**	**Body**
1	WWAN + WLAN 2.4GHz Main + BT(Aux)	YES
2	WWAN + WLAN 2.4GHz Main + WLAN 2.4GHz Aux	YES
3	WWAN + WLAN 5GHz Main + BT(Aux)	YES
4	WWAN + WLAN 5GHz Main + WLAN 5GHz Aux	YES
5	WWAN + WLAN 5GHz Main + WLAN 5GHz Aux + BT(Aux)	YES

Tablet mode		
NO.	**Simultaneous Transmit Configurations**	**Body**
1	WWAN + WLAN 2.4GHz Main	YES
2	WWAN + WLAN 2.4GHz Main + BT(Aux)	YES
3	WWAN + WLAN 5GHz Main	YES
4	WWAN + WLAN 5GHz Main + BT(Aux)	YES

Notes:

1. The MIMO TX was stopping during tablet mode with LTE on.

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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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Notebook mode

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	Scenario 5	SPLSR
		WWAN	WLAN 2.4GHz Main	WLAN 5GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Aux	BT (Aux)	0+1+5 Sum	0+1+3 Sum	0+2+5 Sum	0+2+4 Sum	0+2+4+5 Sum	
WCDMA Band II	Bottom side	0.029	0.004	0.018	0.004	0.021	0.001	0.035	0.038	0.049	0.069	0.071	ΣSAR<1.6,Not required
WCDMA Band V	Bottom side	0.015	0.004	0.018	0.004	0.021	0.001	0.021	0.024	0.035	0.055	0.057	ΣSAR<1.6,Not required
LTE Band 2	Bottom side	0.025	0.004	0.018	0.004	0.021	0.001	0.030	0.033	0.044	0.064	0.066	ΣSAR<1.6,Not required
LTE Band 4	Bottom side	0.009	0.004	0.018	0.004	0.021	0.001	0.014	0.017	0.029	0.049	0.050	ΣSAR<1.6,Not required
LTE Band 5	Bottom side	0.016	0.004	0.018	0.004	0.021	0.001	0.021	0.024	0.036	0.056	0.057	ΣSAR<1.6,Not required
LTE Band 7	Bottom side	0.007	0.004	0.018	0.004	0.021	0.001	0.013	0.016	0.027	0.047	0.048	ΣSAR<1.6,Not required
LTE Band 12	Bottom side	0.001	0.004	0.018	0.004	0.021	0.001	0.006	0.009	0.021	0.041	0.042	ΣSAR<1.6,Not required
LTE Band 13	Bottom side	0.006	0.004	0.018	0.004	0.021	0.001	0.011	0.014	0.025	0.045	0.047	ΣSAR<1.6,Not required
LTE Band 14	Bottom side	0.005	0.004	0.018	0.004	0.021	0.001	0.011	0.014	0.025	0.045	0.046	ΣSAR<1.6,Not required
LTE Band 25	Bottom side	0.028	0.004	0.018	0.004	0.021	0.001	0.033	0.036	0.048	0.068	0.069	ΣSAR<1.6,Not required
LTE Band 26_FCC	Bottom side	0.019	0.004	0.018	0.004	0.021	0.001	0.025	0.028	0.039	0.059	0.060	ΣSAR<1.6,Not required
LTE Band 30	Bottom side	0.002	0.004	0.018	0.004	0.021	0.001	0.007	0.010	0.022	0.042	0.043	ΣSAR<1.6,Not required
LTE Band 38	Bottom side	0.050	0.004	0.018	0.004	0.021	0.001	0.055	0.058	0.070	0.090	0.091	ΣSAR<1.6,Not required
LTE Band 41	Bottom side	0.035	0.004	0.018	0.004	0.021	0.001	0.041	0.044	0.055	0.075	0.076	ΣSAR<1.6,Not required
LTE Band 66	Bottom side	0.009	0.004	0.018	0.004	0.021	0.001	0.014	0.017	0.029	0.049	0.050	ΣSAR<1.6,Not required

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Tablet mode

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 5GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Aux	BT (Aux)	0+1	0+1+5	0+2	0+2+5	
WCDMA Band II	Back side	0.665	0.885	0.304	0.643	0.830	0.305	1.550	1.854	0.970	1.274	Analyzed as below
WCDMA Band II	Top Curve side	0.346	0.740	1.141	0.476	1.143	0.240	1.086	1.326	1.486	1.726	Analyzed as below
WCDMA Band II	Top side	0.367	0.661	1.153	0.402	1.136	0.181	1.027	1.209	1.520	1.701	Analyzed as below
WCDMA Band II	Bottom side	0.180	0.001	0.086	0.001	0.047	0.001	0.181	0.182	0.266	0.267	ΣSAR<1.6,Not required
WCDMA Band II	Right side	0.495	0.001	0.046	0.016	0.050	0.001	0.496	0.497	0.541	0.542	ΣSAR<1.6,Not required
WCDMA Band II	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
WCDMA Band V	Back side	0.728	0.885	0.304	0.643	0.830	0.305	1.613	1.918	1.033	1.337	Analyzed as below
WCDMA Band V	Top Curve side	0.377	0.740	1.141	0.476	1.143	0.240	1.117	1.357	1.517	1.757	Analyzed as below
WCDMA Band V	Top side	0.348	0.661	1.153	0.402	1.136	0.181	1.009	1.190	1.502	1.683	ΣSAR<1.6,Not required
WCDMA Band V	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
WCDMA Band V	Right side	0.177	0.001	0.046	0.016	0.050	0.001	0.178	0.180	0.223	0.225	ΣSAR<1.6,Not required
WCDMA Band V	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 2	Back side	0.577	0.885	0.304	0.643	0.830	0.305	1.462	1.766	0.881	1.186	Analyzed as below
LTE Band 2	Top Curve side	0.374	0.740	1.141	0.476	1.143	0.240	1.114	1.355	1.515	1.755	Analyzed as below
LTE Band 2	Top side	0.364	0.661	1.153	0.402	1.136	0.181	1.025	1.206	1.517	1.699	Analyzed as below
LTE Band 2	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 2	Right side	0.632	0.001	0.046	0.016	0.050	0.001	0.633	0.634	0.678	0.679	ΣSAR<1.6,Not required
LTE Band 2	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 4	Back side	0.950	0.885	0.304	0.643	0.830	0.305	1.835	2.140	1.255	1.560	Analyzed as below
LTE Band 4	Top Curve side	0.515	0.740	1.141	0.476	1.143	0.240	1.255	1.495	1.655	1.895	Analyzed as below
LTE Band 4	Top side	0.478	0.661	1.153	0.402	1.136	0.181	1.139	1.320	1.632	1.813	Analyzed as below
LTE Band 4	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 4	Right side	0.495	0.001	0.046	0.016	0.050	0.001	0.496	0.497	0.541	0.542	ΣSAR<1.6,Not required
LTE Band 4	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 5	Back side	0.711	0.885	0.304	0.643	0.830	0.305	1.595	1.900	1.015	1.320	Analyzed as below
LTE Band 5	Top Curve side	0.433	0.740	1.141	0.476	1.143	0.240	1.173	1.414	1.574	1.814	Analyzed as below
LTE Band 5	Top side	0.187	0.661	1.153	0.402	1.136	0.181	0.848	1.029	1.341	1.522	ΣSAR<1.6,Not required
LTE Band 5	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 5	Right side	0.108	0.001	0.046	0.016	0.050	0.001	0.109	0.111	0.154	0.156	ΣSAR<1.6,Not required
LTE Band 5	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 7	Back side	0.876	0.885	0.304	0.643	0.830	0.305	1.761	2.065	1.181	1.485	Analyzed as below
LTE Band 7	Top Curve side	0.678	0.740	1.141	0.476	1.143	0.240	1.418	1.659	1.819	2.059	Analyzed as below
LTE Band 7	Top side	0.647	0.661	1.153	0.402	1.136	0.181	1.307	1.489	1.800	1.981	Analyzed as below
LTE Band 7	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 7	Right side	0.702	0.001	0.046	0.016	0.050	0.001	0.703	0.705	0.748	0.750	ΣSAR<1.6,Not required
LTE Band 7	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 12	Back side	0.891	0.885	0.304	0.643	0.830	0.305	1.776	2.080	1.196	1.500	Analyzed as below
LTE Band 12	Top Curve side	0.652	0.740	1.141	0.476	1.143	0.240	1.392	1.633	1.793	2.033	Analyzed as below
LTE Band 12	Top side	0.723	0.661	1.153	0.402	1.136	0.181	1.384	1.565	1.877	2.058	Analyzed as below
LTE Band 12	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 12	Right side	0.057	0.001	0.046	0.016	0.050	0.001	0.058	0.059	0.103	0.104	ΣSAR<1.6,Not required
LTE Band 12	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 13	Back side	0.834	0.885	0.304	0.643	0.830	0.305	1.719	2.023	1.138	1.443	Analyzed as below
LTE Band 13	Top Curve side	0.381	0.740	1.141	0.476	1.143	0.240	1.121	1.361	1.521	1.762	Analyzed as below
LTE Band 13	Top side	0.124	0.661	1.153	0.402	1.136	0.181	0.785	0.966	1.278	1.459	ΣSAR<1.6,Not required
LTE Band 13	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.004	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 13	Right side	0.056	0.001	0.046	0.016	0.050	0.001	0.057	0.058	0.102	0.103	ΣSAR<1.6,Not required
LTE Band 13	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.045	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 14	Back side	0.797	0.885	0.304	0.643	0.830	0.305	1.682	1.986	1.101	1.406	Analyzed as below
LTE Band 14	Top Curve side	0.572	0.740	1.141	0.476	1.143	0.240	1.313	1.553	1.713	1.953	Analyzed as below
LTE Band 14	Top side	0.297	0.661	1.153	0.402	1.136	0.181	0.957	1.138	1.450	1.631	Analyzed as below
LTE Band 14	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 14	Right side	0.042	0.001	0.046	0.016	0.050	0.001	0.043	0.044	0.088	0.089	ΣSAR<1.6,Not required
LTE Band 14	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required

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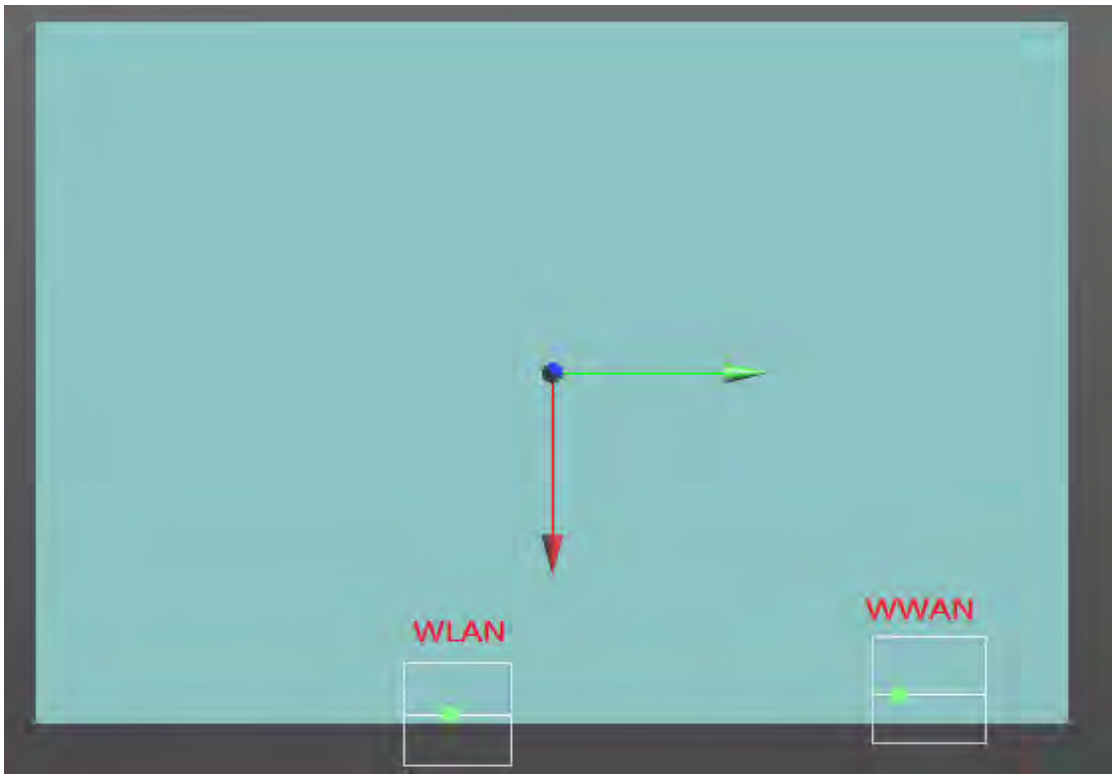
The simultaneous Transmission conditions (Tablet mode)

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 5GHz Main	WLAN 2.4GHz Aux	WLAN 5GHz Aux	BT (Aux)	0+1	0+1+5	0+2	0+2+5	
LTE Band 25	Back side	0.577	0.885	0.304	0.643	0.830	0.305	1.462	1.767	0.882	1.186	Analyzed as below
LTE Band 25	Top Curve side	0.355	0.740	1.141	0.476	1.143	0.240	1.095	1.335	1.495	1.736	Analyzed as below
LTE Band 25	Top side	0.386	0.661	1.153	0.402	1.136	0.181	1.046	1.228	1.539	1.720	Analyzed as below
LTE Band 25	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 25	Right side	0.595	0.001	0.046	0.016	0.050	0.001	0.596	0.598	0.641	0.643	ΣSAR<1.6,Not required
LTE Band 25	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 26_FCC	Back side	0.769	0.885	0.304	0.643	0.830	0.305	1.654	1.958	1.074	1.378	Analyzed as below
LTE Band 26_FCC	Top Curve side	0.729	0.740	1.141	0.476	1.143	0.240	1.469	1.709	1.869	2.110	Analyzed as below
LTE Band 26_FCC	Top side	0.442	0.661	1.153	0.402	1.136	0.181	1.103	1.284	1.595	1.777	Analyzed as below
LTE Band 26_FCC	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 26_FCC	Right side	0.045	0.001	0.046	0.016	0.050	0.001	0.046	0.047	0.091	0.092	ΣSAR<1.6,Not required
LTE Band 26_FCC	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 30	Back side	0.560	0.885	0.304	0.643	0.830	0.305	1.445	1.750	0.865	1.170	Analyzed as below
LTE Band 30	Top Curve side	0.727	0.740	1.141	0.476	1.143	0.240	1.468	1.708	1.868	2.108	Analyzed as below
LTE Band 30	Top side	0.624	0.661	1.153	0.402	1.136	0.181	1.285	1.466	1.778	1.959	Analyzed as below
LTE Band 30	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 30	Right side	0.496	0.001	0.046	0.016	0.050	0.001	0.497	0.498	0.542	0.543	ΣSAR<1.6,Not required
LTE Band 30	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 38	Back side	0.843	0.885	0.304	0.643	0.830	0.305	1.727	2.032	1.147	1.452	Analyzed as below
LTE Band 38	Top Curve side	0.552	0.740	1.141	0.476	1.143	0.240	1.292	1.533	1.693	1.933	Analyzed as below
LTE Band 38	Top side	0.595	0.661	1.153	0.402	1.136	0.181	1.256	1.437	1.749	1.930	Analyzed as below
LTE Band 38	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 38	Right side	0.296	0.001	0.046	0.016	0.050	0.001	0.297	0.298	0.342	0.343	ΣSAR<1.6,Not required
LTE Band 38	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.045	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 41	Back side	0.762	0.885	0.304	0.643	0.830	0.305	1.647	1.951	1.066	1.371	Analyzed as below
LTE Band 41	Top Curve side	0.535	0.740	1.141	0.476	1.143	0.240	1.275	1.515	1.675	1.916	Analyzed as below
LTE Band 41	Top side	0.562	0.661	1.153	0.402	1.136	0.181	1.223	1.404	1.716	1.897	Analyzed as below
LTE Band 41	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	ΣSAR<1.6,Not required
LTE Band 41	Right side	0.497	0.001	0.046	0.016	0.050	0.001	0.498	0.499	0.543	0.544	ΣSAR<1.6,Not required
LTE Band 41	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.044	0.046	0.081	0.082	ΣSAR<1.6,Not required
LTE Band 66	Back side	0.723	0.885	0.304	0.643	0.830	0.305	1.607	1.912	1.027	1.332	Analyzed as below
LTE Band 66	Top Curve side	0.410	0.740	1.141	0.476	1.143	0.240	1.150	1.390	1.550	1.791	Analyzed as below
LTE Band 66	Top side	0.412	0.661	1.153	0.402	1.136	0.181	1.072	1.253	1.565	1.746	Analyzed as below
LTE Band 66	Bottom side	0.001	0.001	0.086	0.001	0.047	0.001	0.002	0.003	0.087	0.088	Analyzed as below
LTE Band 66	Right side	0.173	0.001	0.046	0.016	0.050	0.001	0.174	0.176	0.219	0.221	ΣSAR<1.6,Not required
LTE Band 66	Left side	0.001	0.043	0.080	0.001	0.069	0.001	0.124	0.071	0.082	0.072	ΣSAR<1.6,Not required

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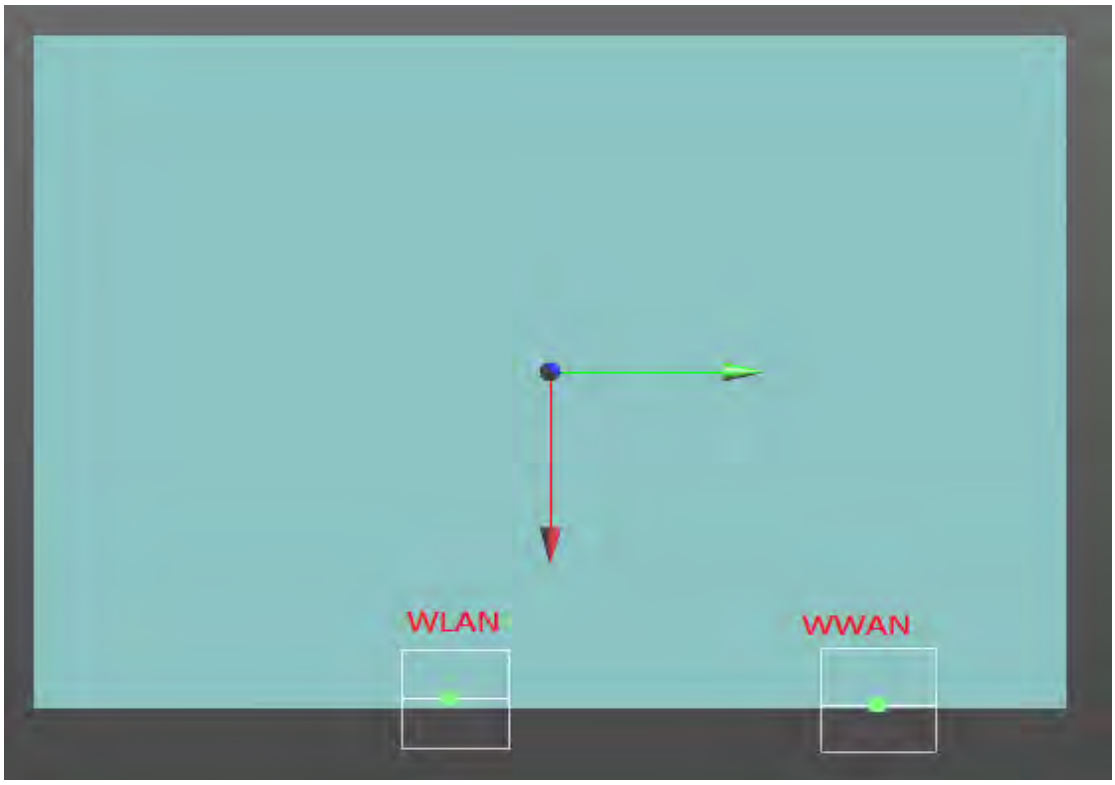
Scenario 2: WLAN Main 2.4G+WWAN&BT									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	WLAN Main 2.4G	0.890	101.20	-38.40	-2.58	-	-	-	-
Back side	WCDMA Band II	0.665	95.60	97.00	-2.89	1.555	135.52	0.014	SPLSR ≤ 0.04,Not required
Back side	WCDMA Band V	0.728	103.10	91.50	-2.72	1.618	129.91	0.016	SPLSR ≤ 0.04,Not required
Back side	LTE Band 2	0.577	95.90	95.70	-2.50	1.467	134.20	0.013	SPLSR ≤ 0.04,Not required
Back side	LTE Band 4	0.950	105.10	101.00	-2.32	1.841	139.45	0.018	SPLSR ≤ 0.04,Not required
Back side	LTE Band 5	0.711	101.90	91.90	-2.35	1.601	130.30	0.016	SPLSR ≤ 0.04,Not required
Back side	LTE Band 7	0.876	100.80	129.60	-2.10	1.766	168.00	0.014	SPLSR ≤ 0.04,Not required
Back side	LTE Band 12	0.891	104.90	108.30	-2.15	1.781	146.75	0.016	SPLSR ≤ 0.04,Not required
Back side	LTE Band 13	0.834	101.80	99.70	-2.36	1.724	138.10	0.016	SPLSR ≤ 0.04,Not required
Back side	LTE Band 14	0.797	101.90	95.30	-2.38	1.687	133.70	0.016	SPLSR ≤ 0.04,Not required
Back side	LTE Band 25	0.577	96.00	95.90	-2.48	1.468	134.40	0.013	SPLSR ≤ 0.04,Not required
Back side	LTE Band 26_FCC	0.769	101.90	91.50	-2.36	1.659	129.90	0.016	SPLSR ≤ 0.04,Not required
Back side	LTE Band 30	0.560	103.40	87.00	-2.45	1.451	125.42	0.014	SPLSR ≤ 0.04,Not required
Back side	LTE Band 38	0.843	101.80	118.80	-2.17	1.733	157.20	0.015	SPLSR ≤ 0.04,Not required
Back side	LTE Band 41	0.762	100.80	129.60	-2.11	1.652	168.00	0.013	SPLSR ≤ 0.04,Not required
Back side	LTE Band 66	0.723	98.90	96.60	-2.39	1.613	135.02	0.015	SPLSR ≤ 0.04,Not required
Back side	BT	0.305	100.20	62.60	-2.91	1.195	101.01	0.013	SPLSR ≤ 0.04,Not required

WLAN Main 2.45G+WCDMA II



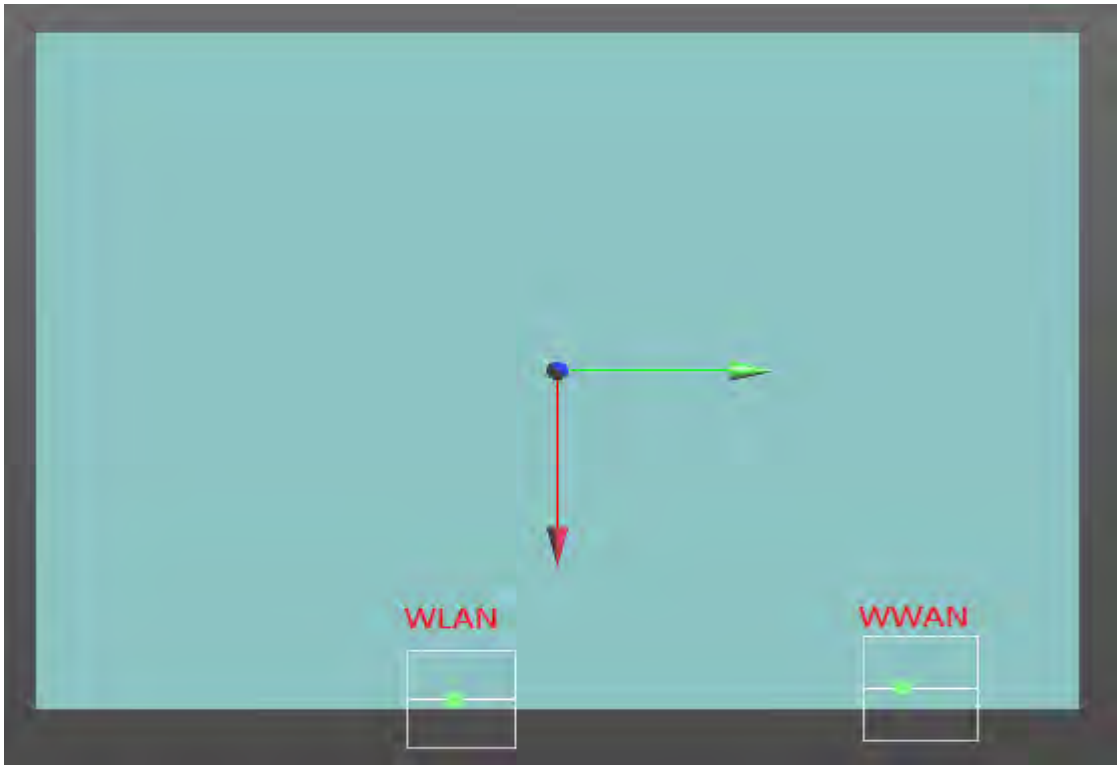
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WLAN Main 2.45G+WCDMA V



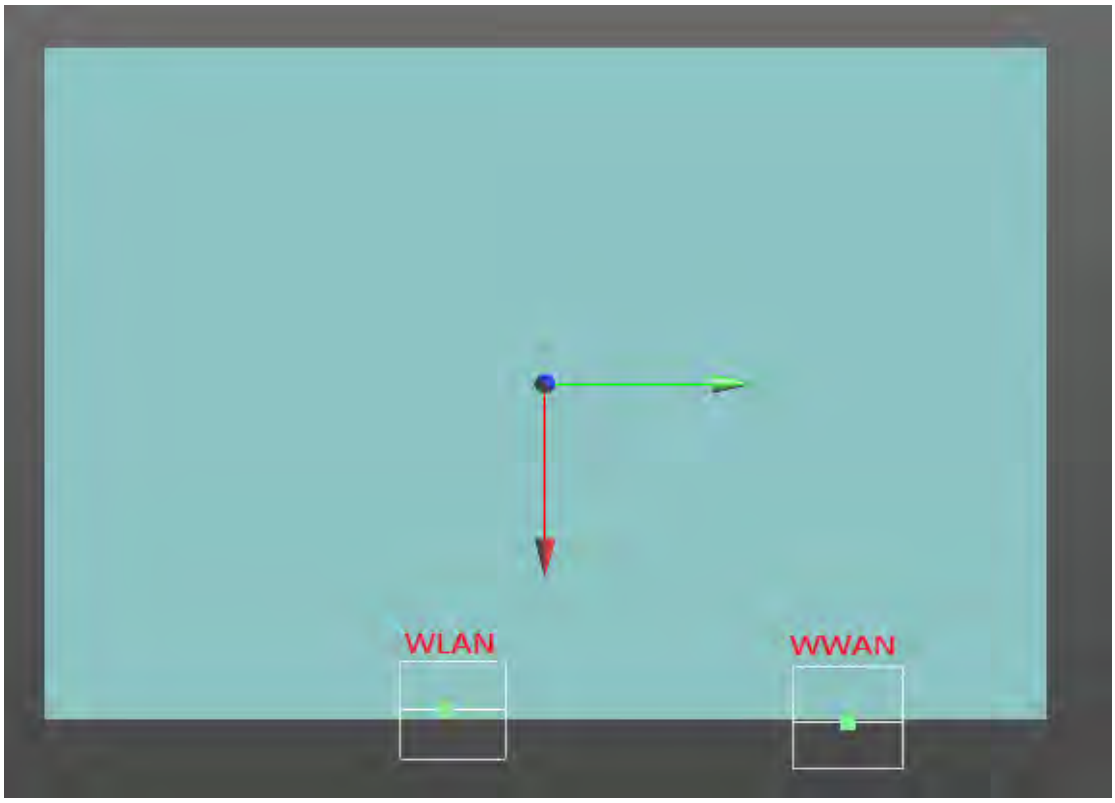
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WLAN Main 2.45G+LTE B2



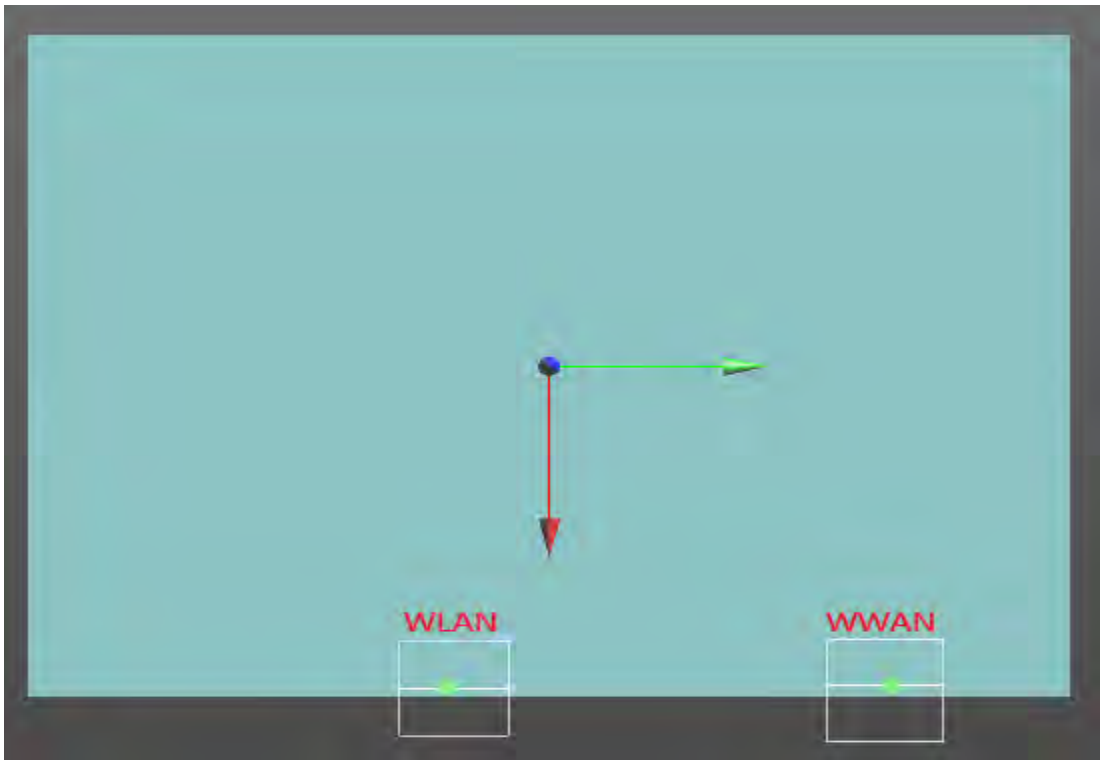
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WLAN Main 2.45G+LTE B4



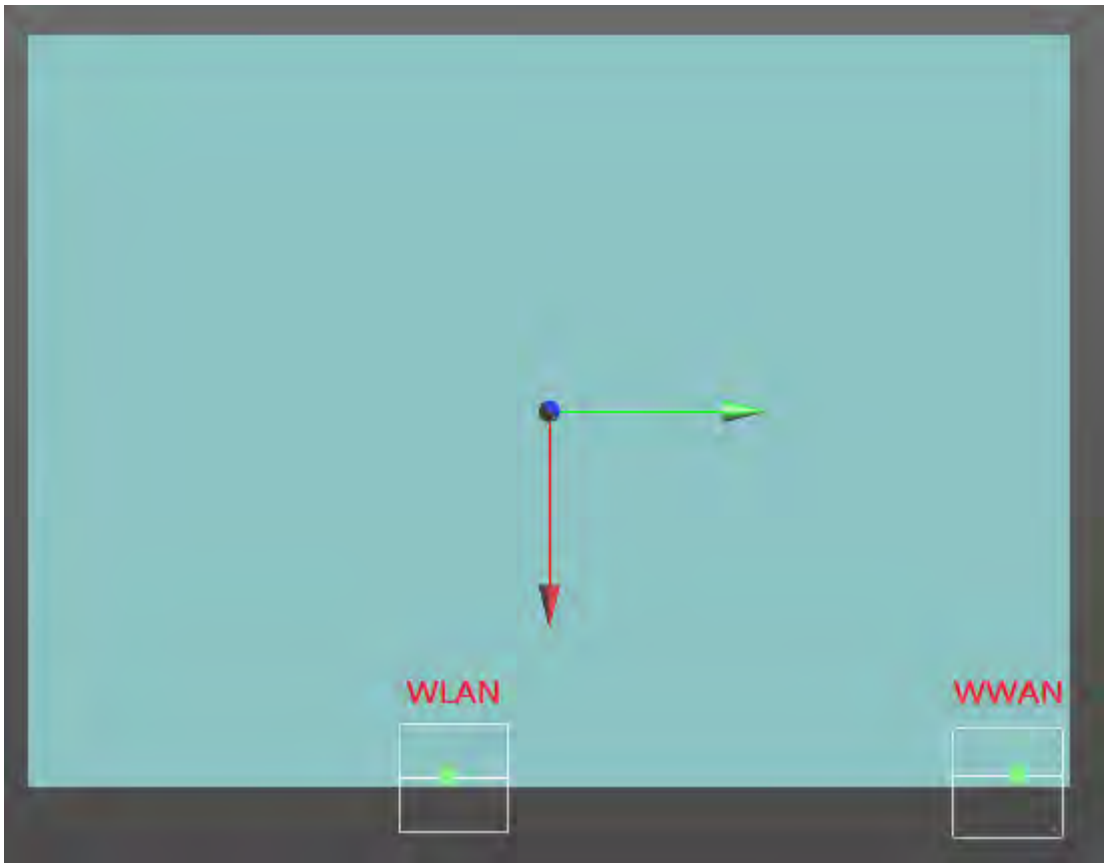
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WLAN Main 2.45G+LTE B5



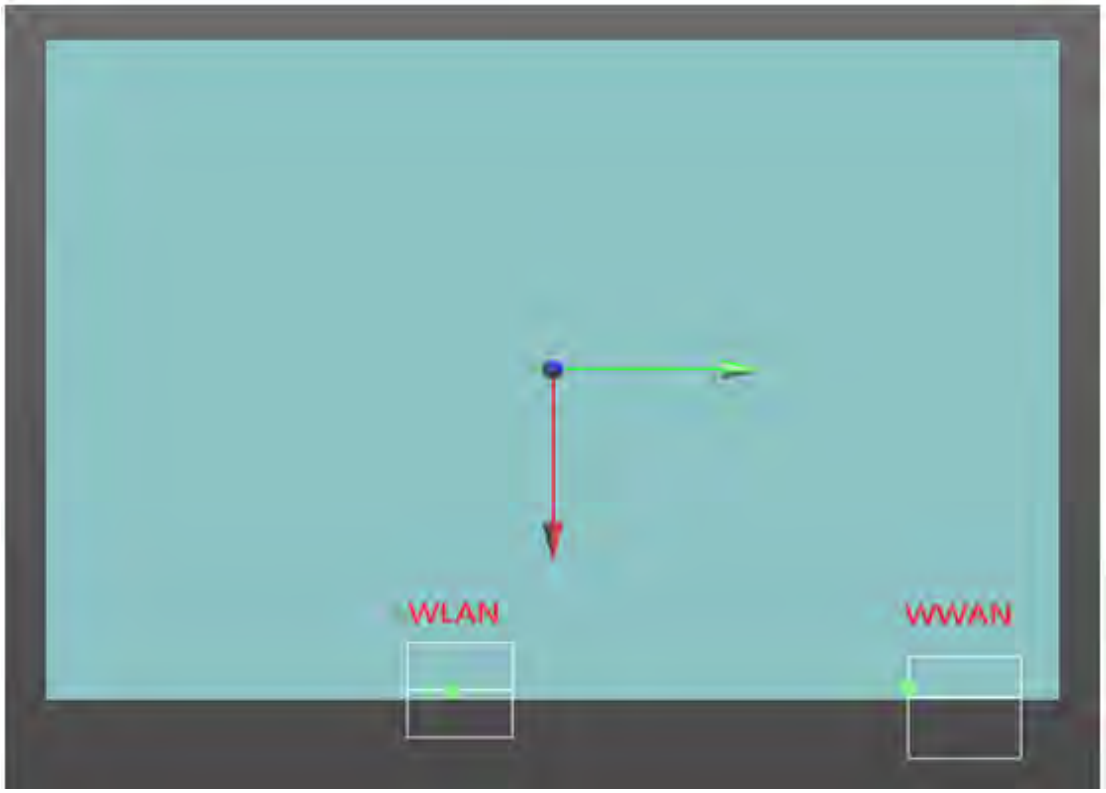
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WLAN Main 2.45G+LTE B7



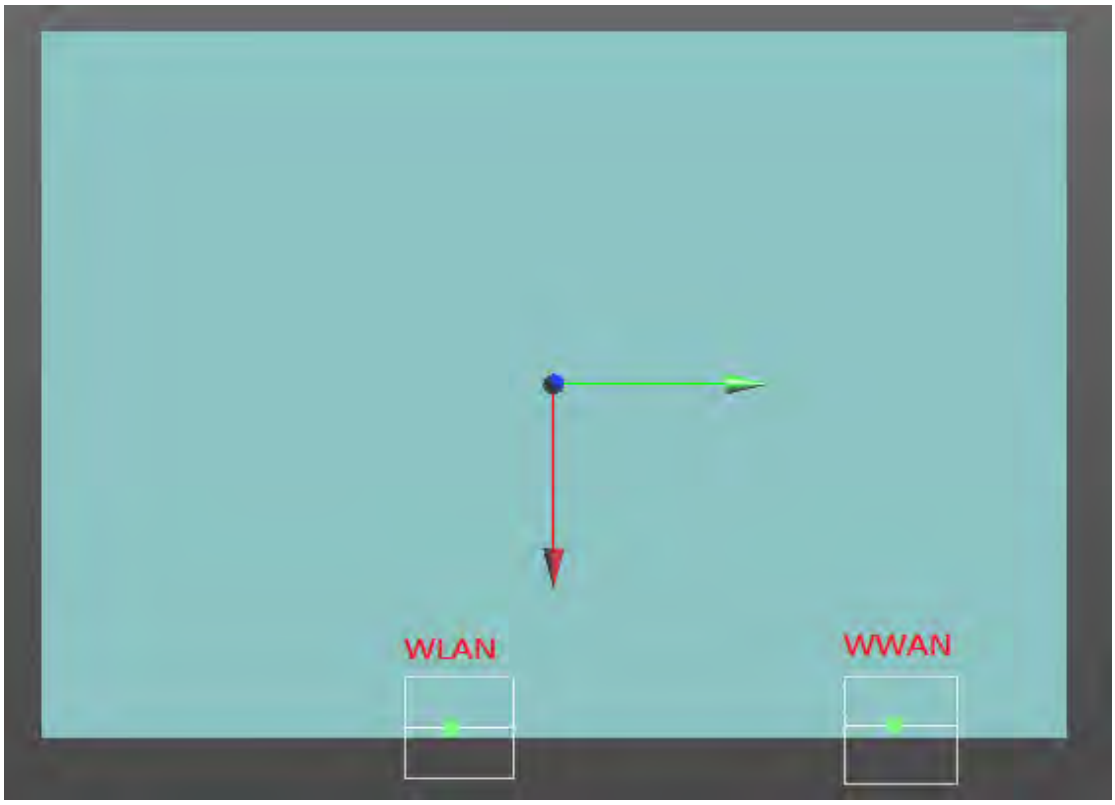
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WLAN Main 2.45G+LTE B12



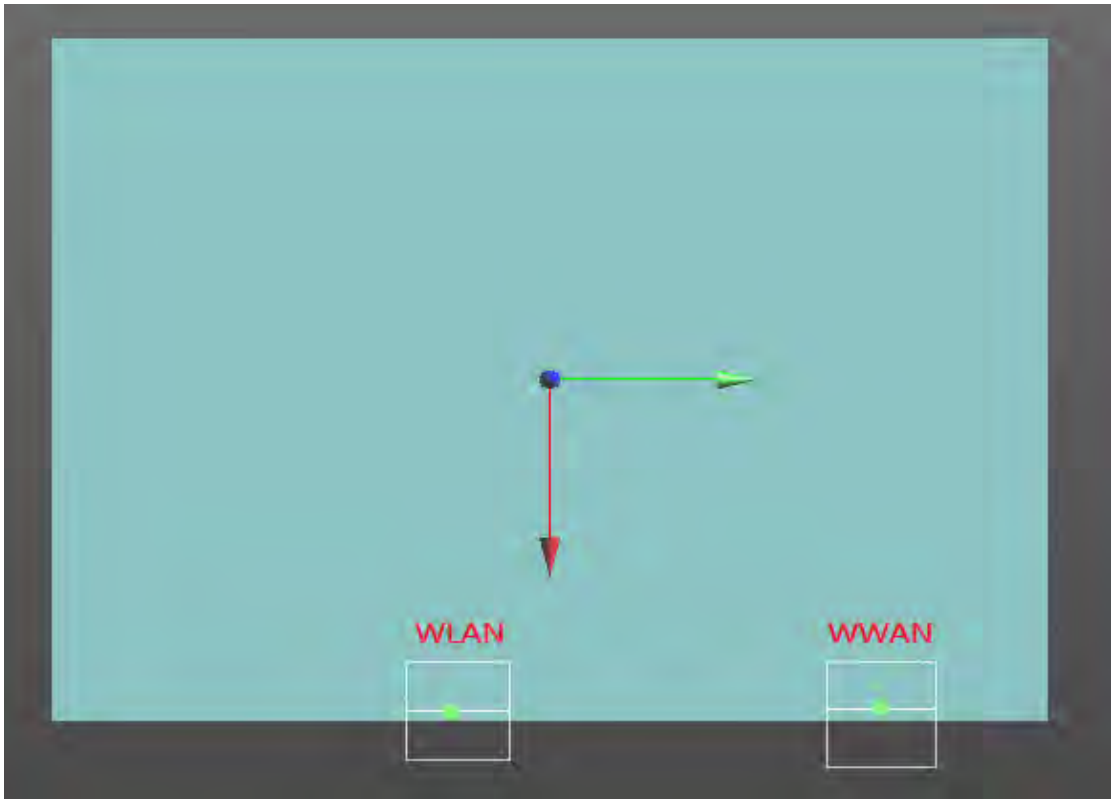
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WLAN Main 2.45G+LTE B13



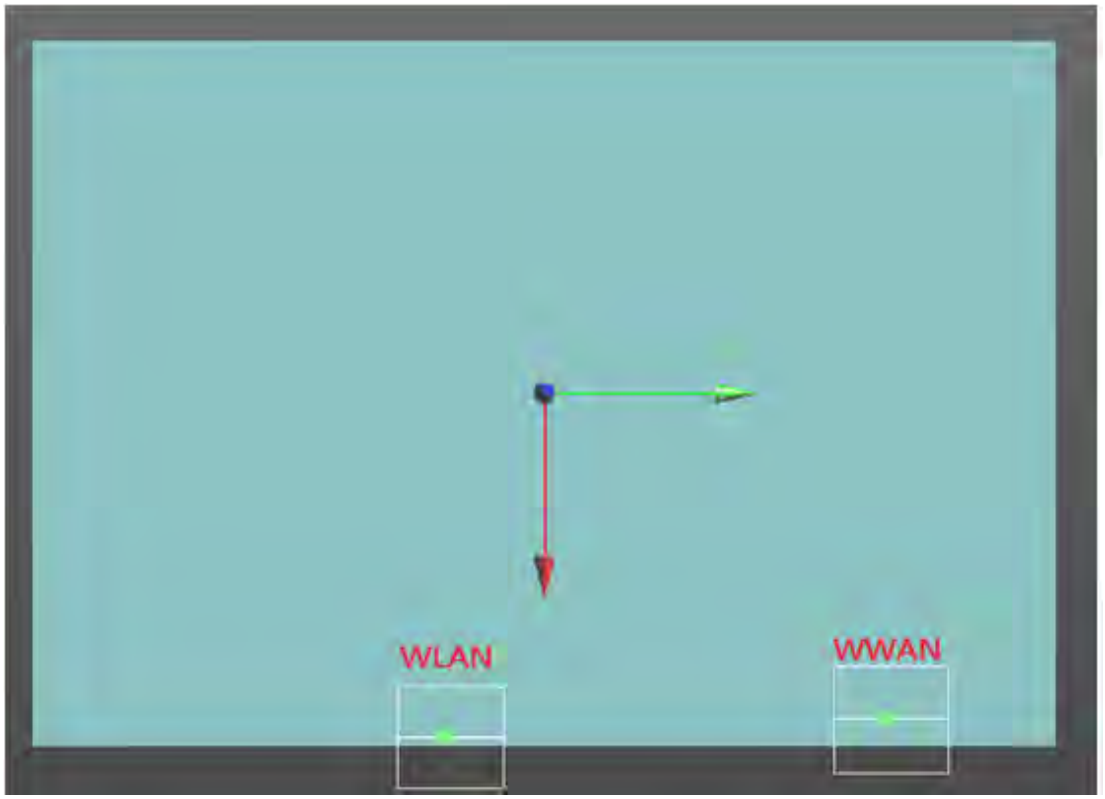
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WLAN Main 2.45G+LTE B14



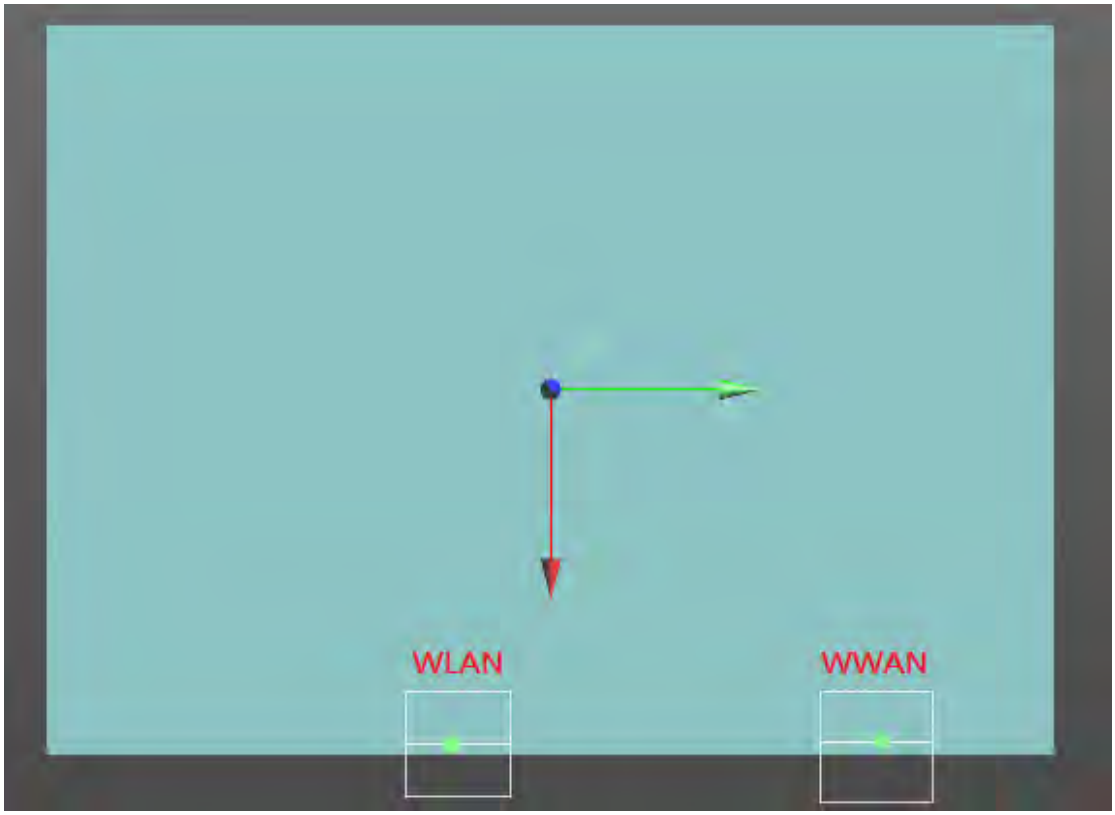
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WLAN Main 2.45G+LTE B25



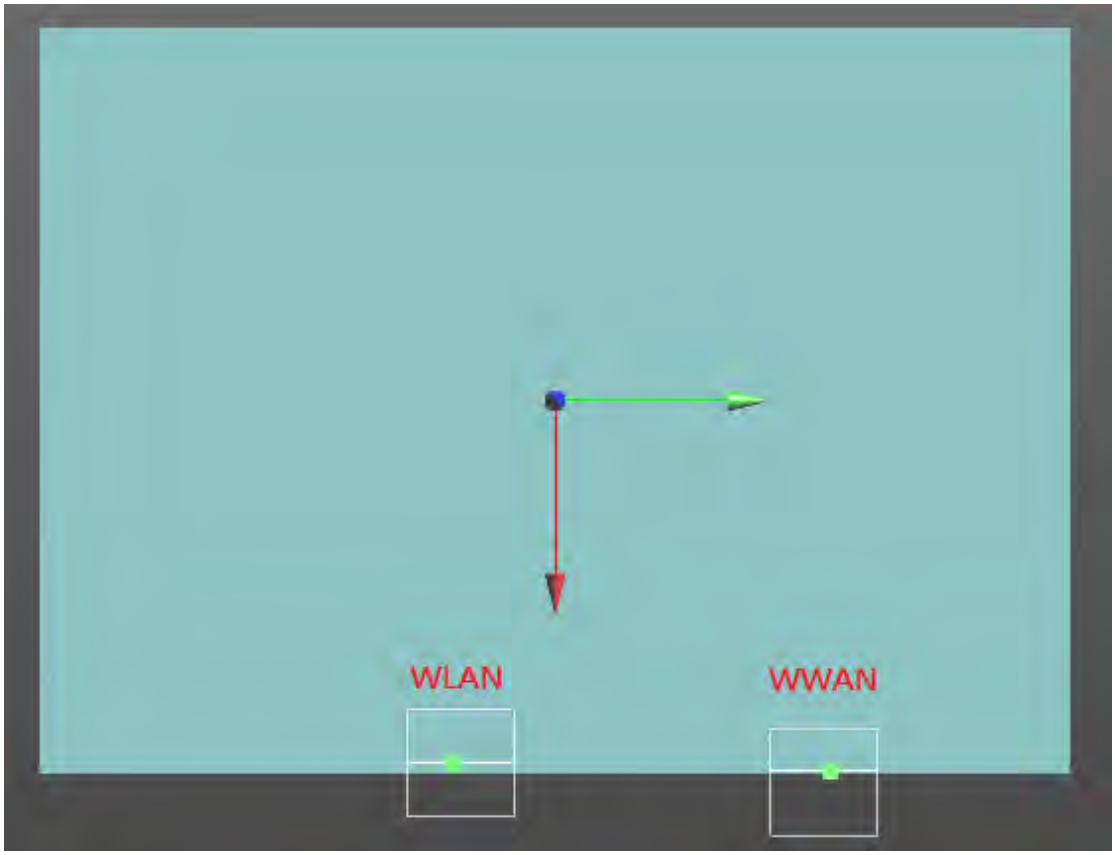
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WLAN Main 2.45G+LTE B26



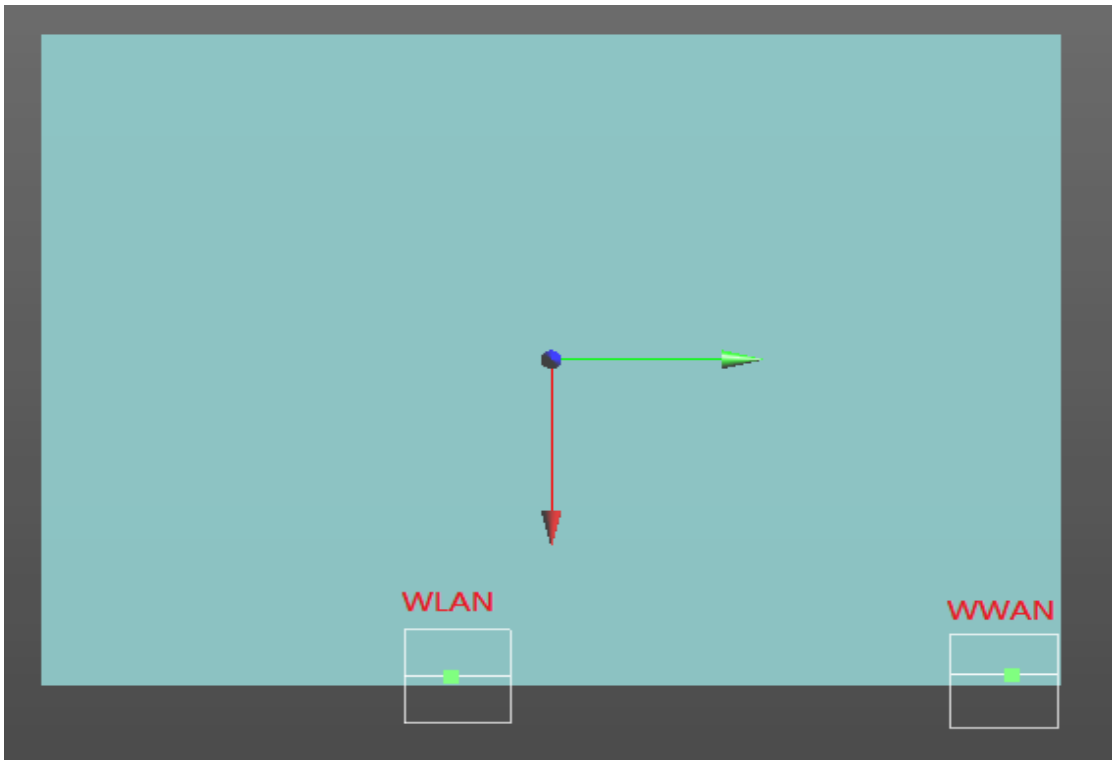
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WLAN Main 2.45G+LTE B30



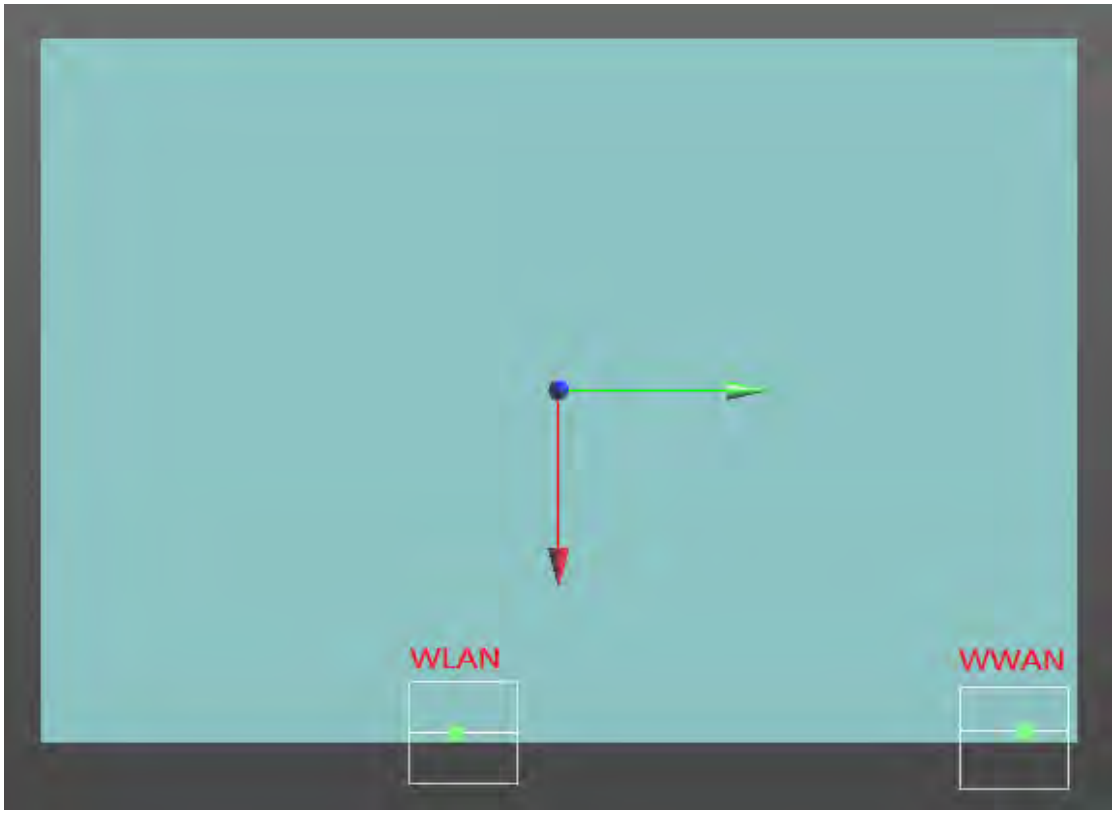
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WLAN Main 2.45G+LTE B38



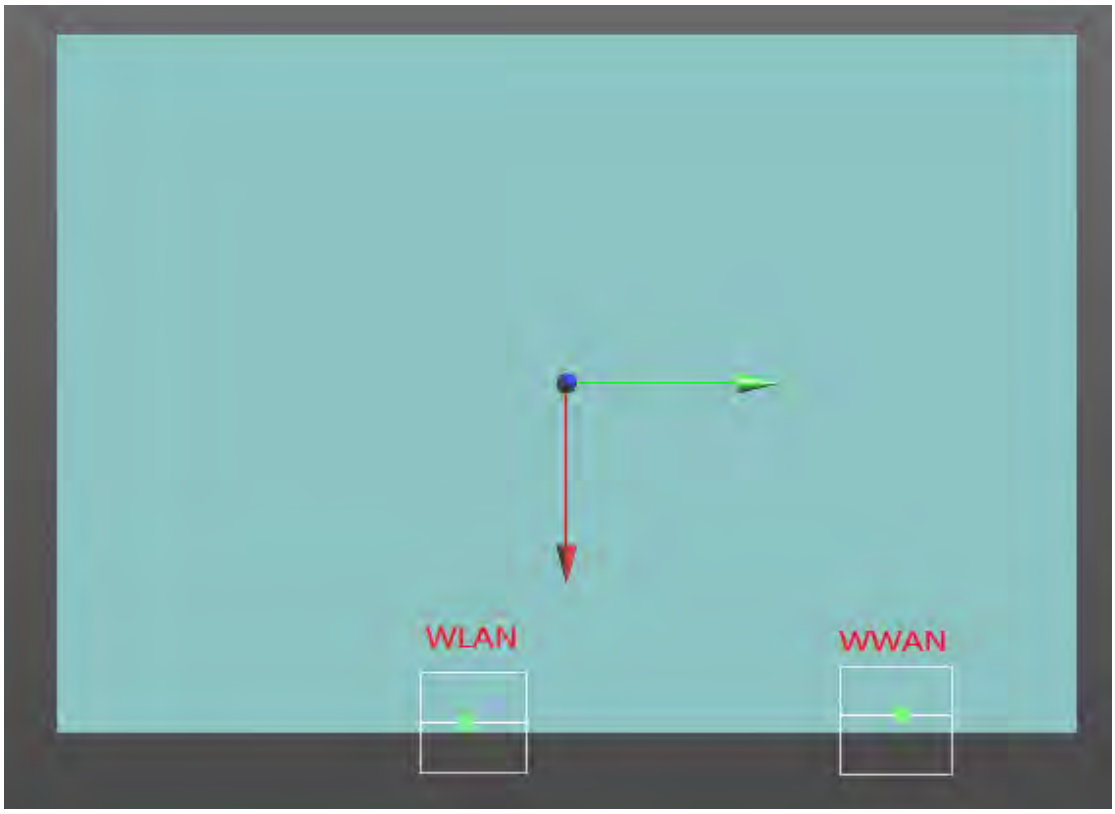
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WLAN Main 2.45G+LTE B41



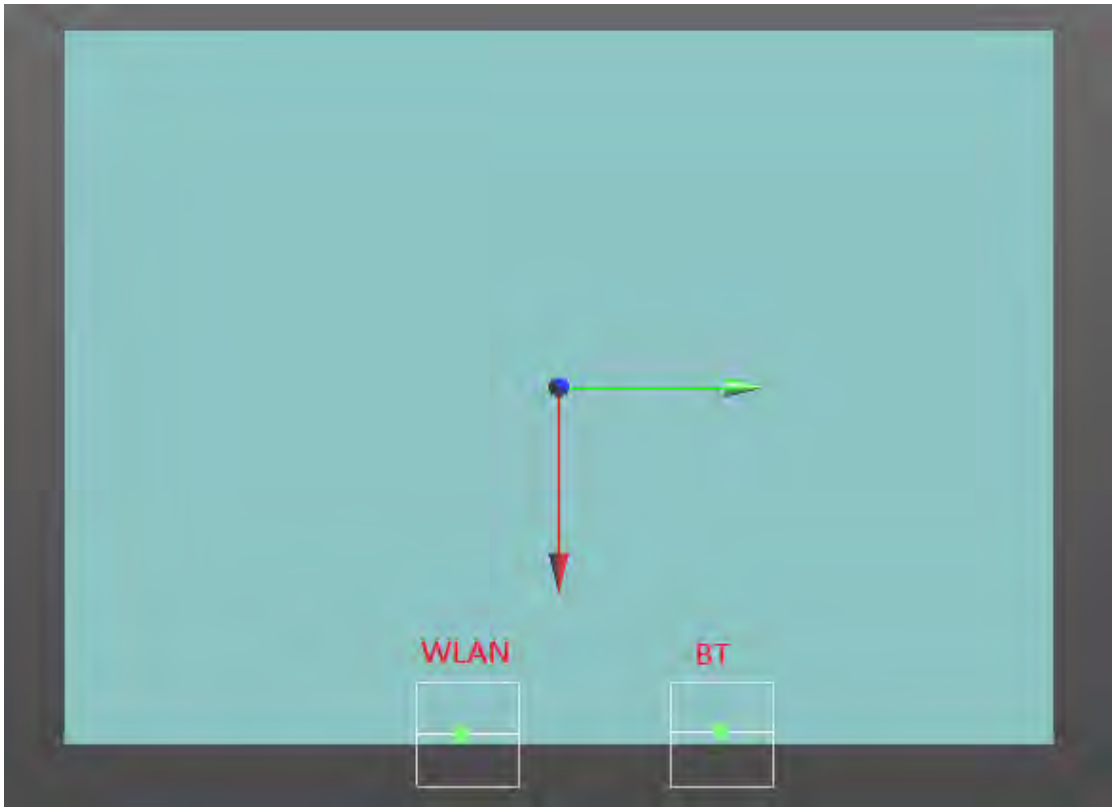
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WLAN Main 2.45G+LTE B66



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WLAN Main 2.45G+BT



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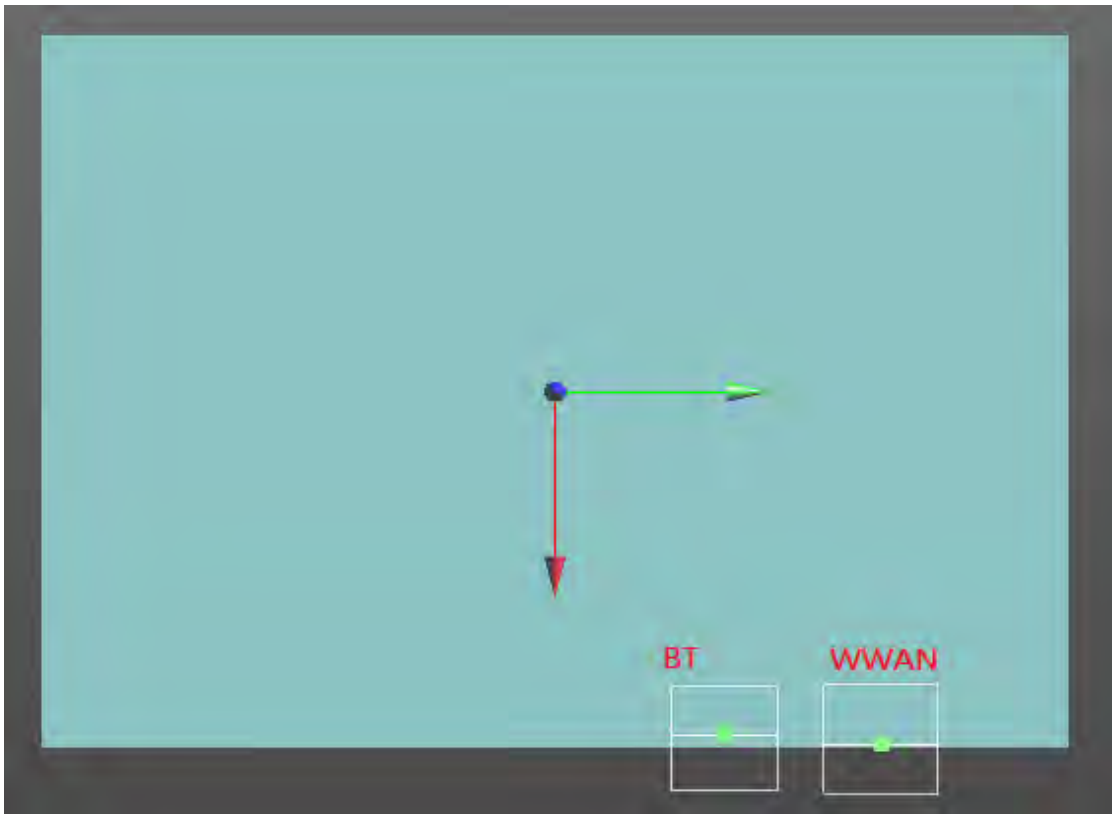
Scenario 2:BT+WWAN									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	BT	0.305	100.20	62.60	-2.91	-	-	-	-
Back side	WCDMA Band II	0.665	95.600	97.000	-2.890	0.970	34.71	0.028	SPLSR ≤ 0.04,Not required
Back side	WCDMA Band V	0.728	103.100	91.500	-2.720	1.033	29.05	0.036	SPLSR ≤ 0.04,Not required
Back side	LTE Band 2	0.577	95.900	95.700	-2.500	0.882	33.38	0.025	SPLSR ≤ 0.04,Not required
Back side	LTE Band 4	0.950	105.100	101.000	-2.320	1.255	38.72	0.036	SPLSR ≤ 0.04,Not required
Back side	LTE Band 5	0.711	101.900	91.900	-2.350	1.016	29.35	0.035	SPLSR ≤ 0.04,Not required
Back side	LTE Band 7	0.876	100.800	129.600	-2.100	1.181	67.01	0.019	SPLSR ≤ 0.04,Not required
Back side	LTE Band 12	0.891	104.900	108.300	-2.150	1.196	45.95	0.028	SPLSR ≤ 0.04,Not required
Back side	LTE Band 13	0.834	101.800	99.700	-2.360	1.139	37.14	0.033	SPLSR ≤ 0.04,Not required
Back side	LTE Band 14	0.797	101.900	95.300	-2.380	1.102	32.75	0.035	SPLSR ≤ 0.04,Not required
Back side	LTE Band 25	0.577	96.000	95.900	-2.480	0.882	33.57	0.025	SPLSR ≤ 0.04,Not required
Back side	LTE Band 26_FCC	0.769	101.900	91.500	-2.360	1.074	28.96	0.038	SPLSR ≤ 0.04,Not required
Back side	LTE Band 30	0.560	103.400	87.000	-2.450	0.865	24.61	0.033	SPLSR ≤ 0.04,Not required
Back side	LTE Band 38	0.843	101.800	118.800	-2.170	1.148	56.23	0.022	SPLSR ≤ 0.04,Not required
Back side	LTE Band 41	0.762	100.800	129.600	-2.110	1.067	67.01	0.016	SPLSR ≤ 0.04,Not required
Back side	LTE Band 66	0.723	98.900	96.600	-2.390	1.028	34.03	0.031	SPLSR ≤ 0.04,Not required

BT+WCDMA II



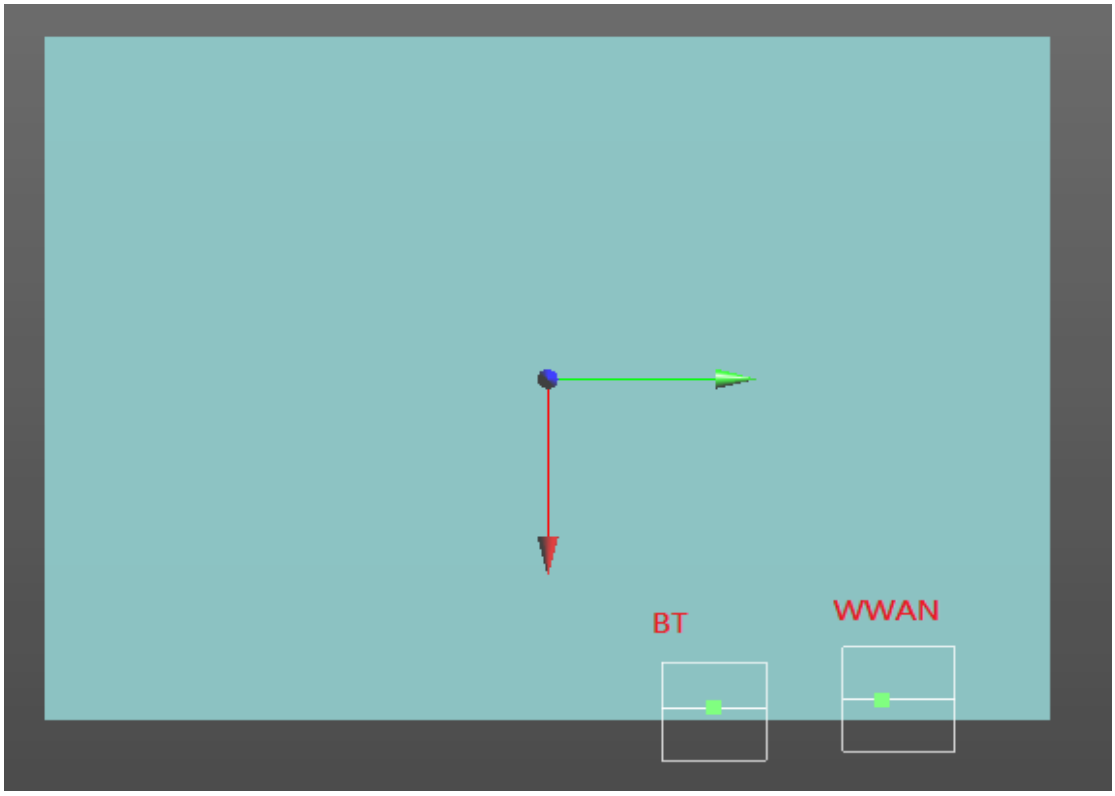
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BT+WCDMA V



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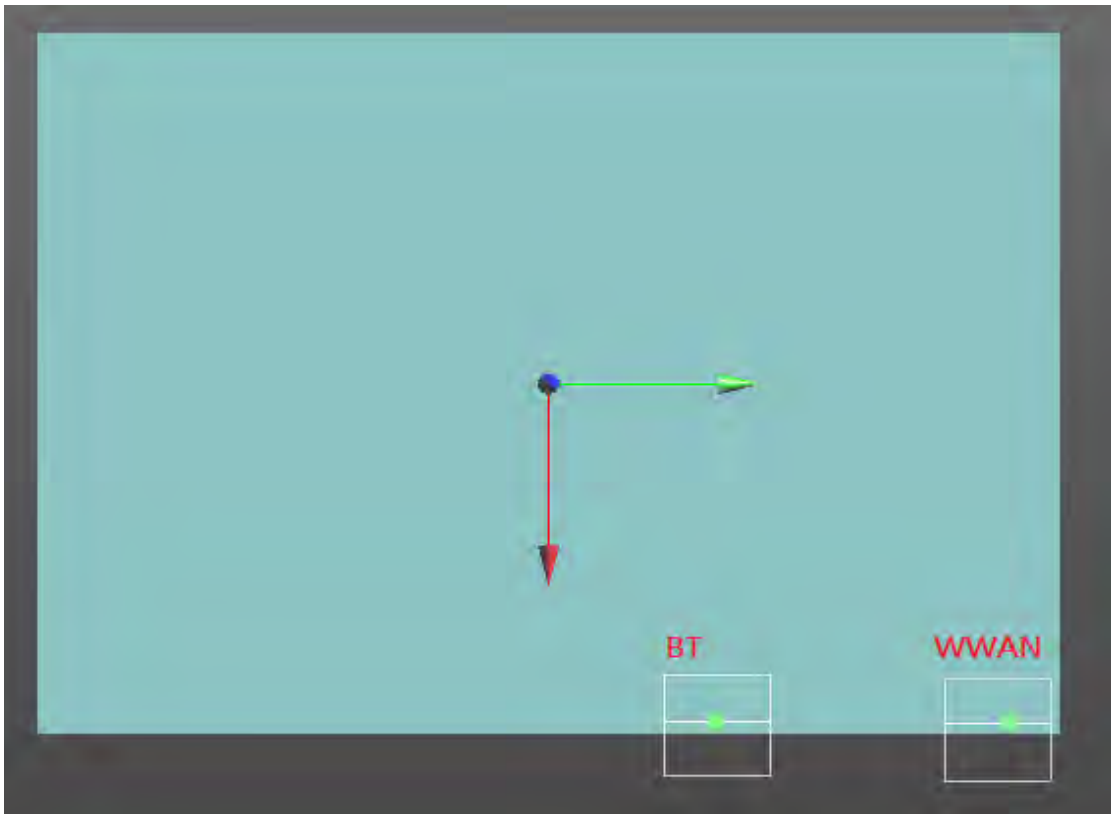
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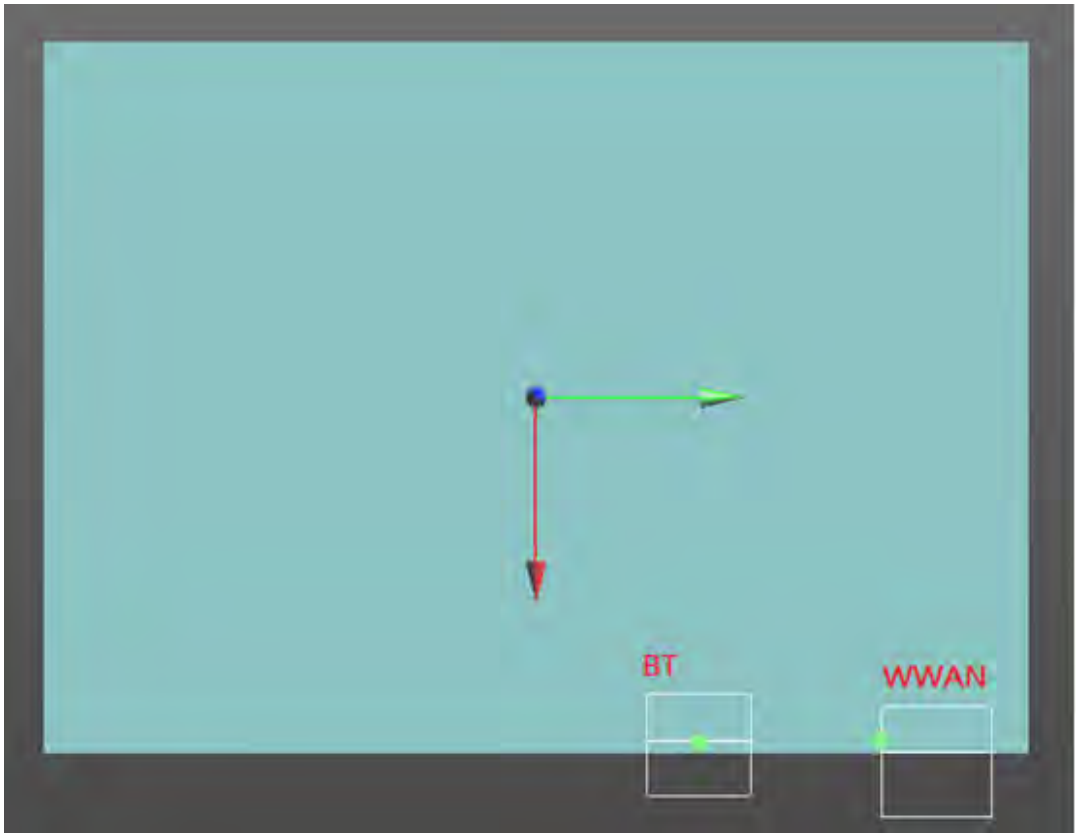
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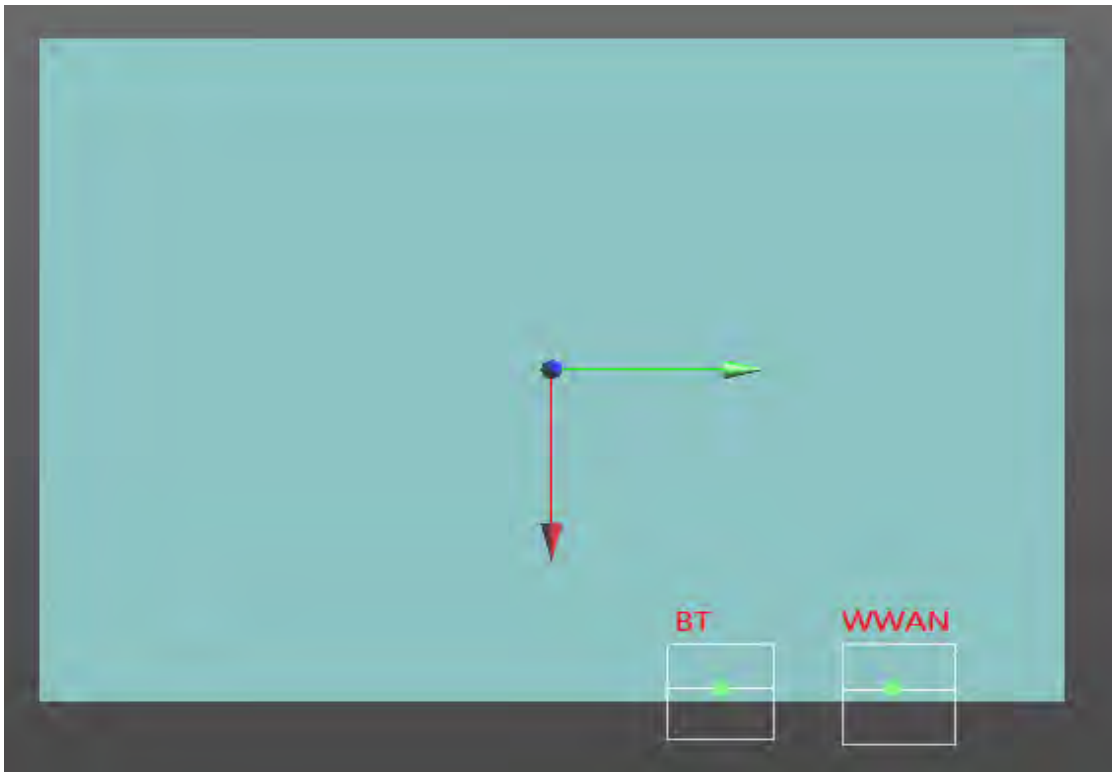
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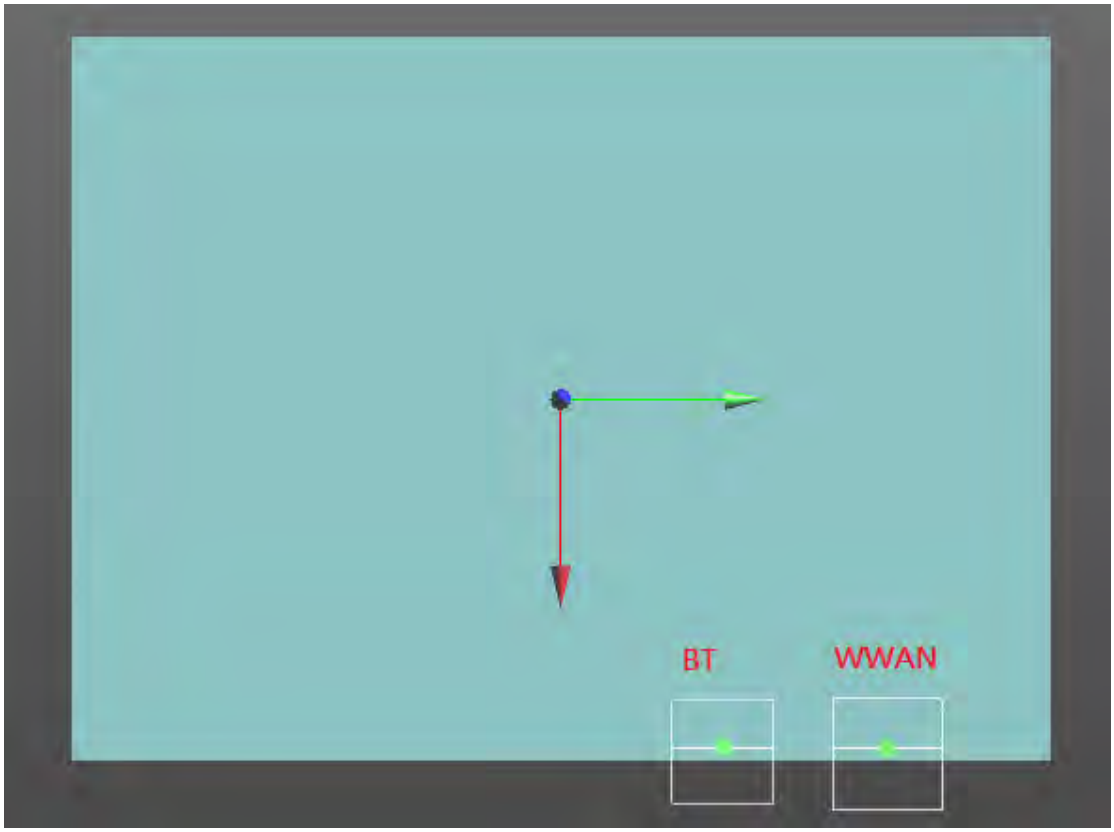
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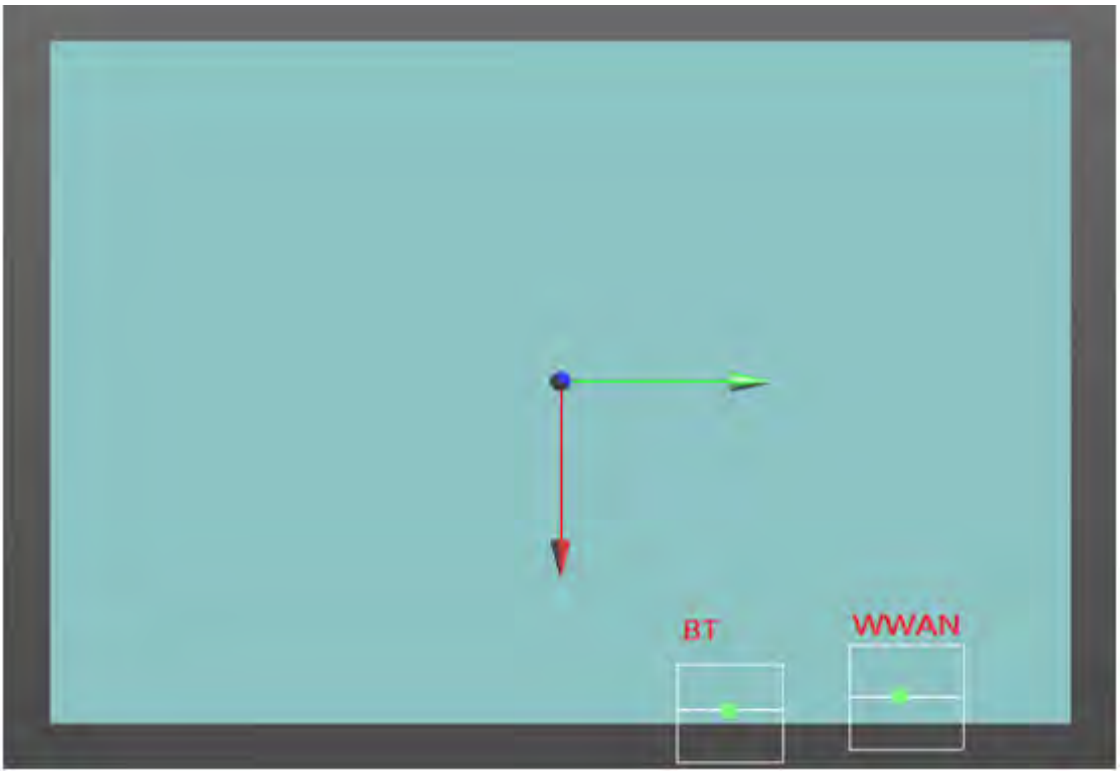
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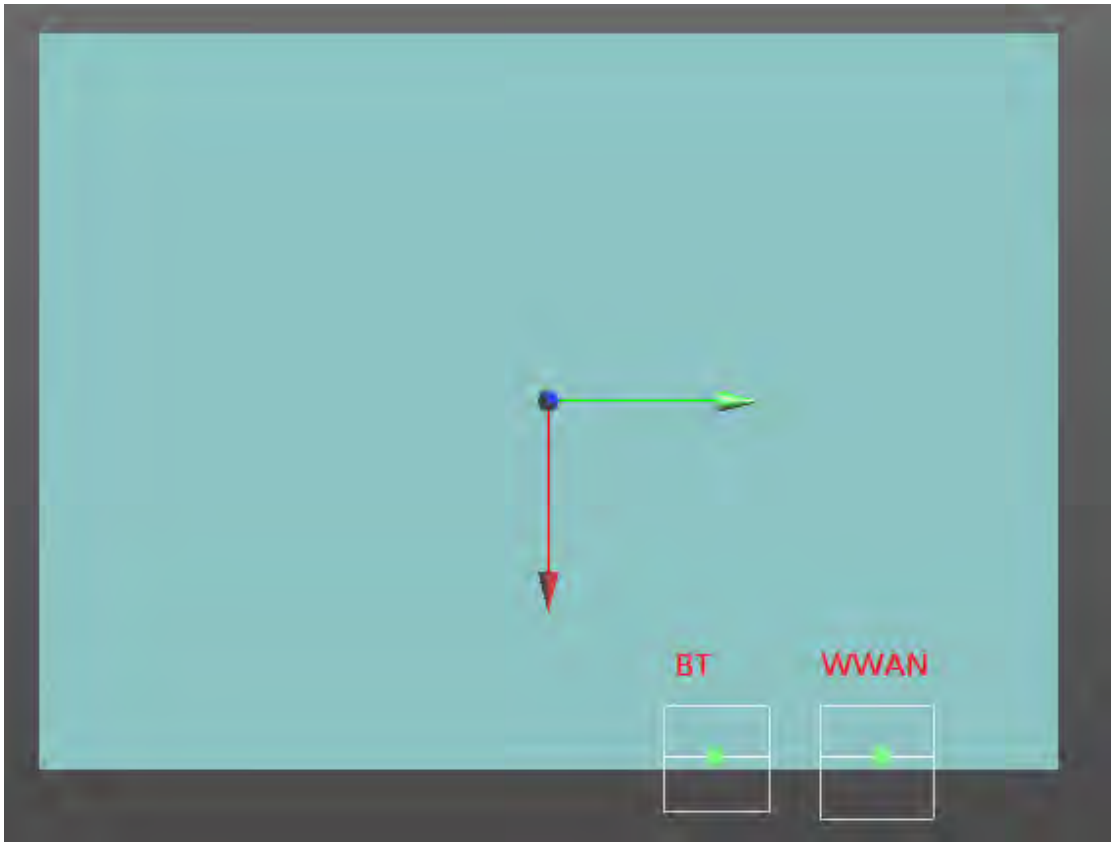
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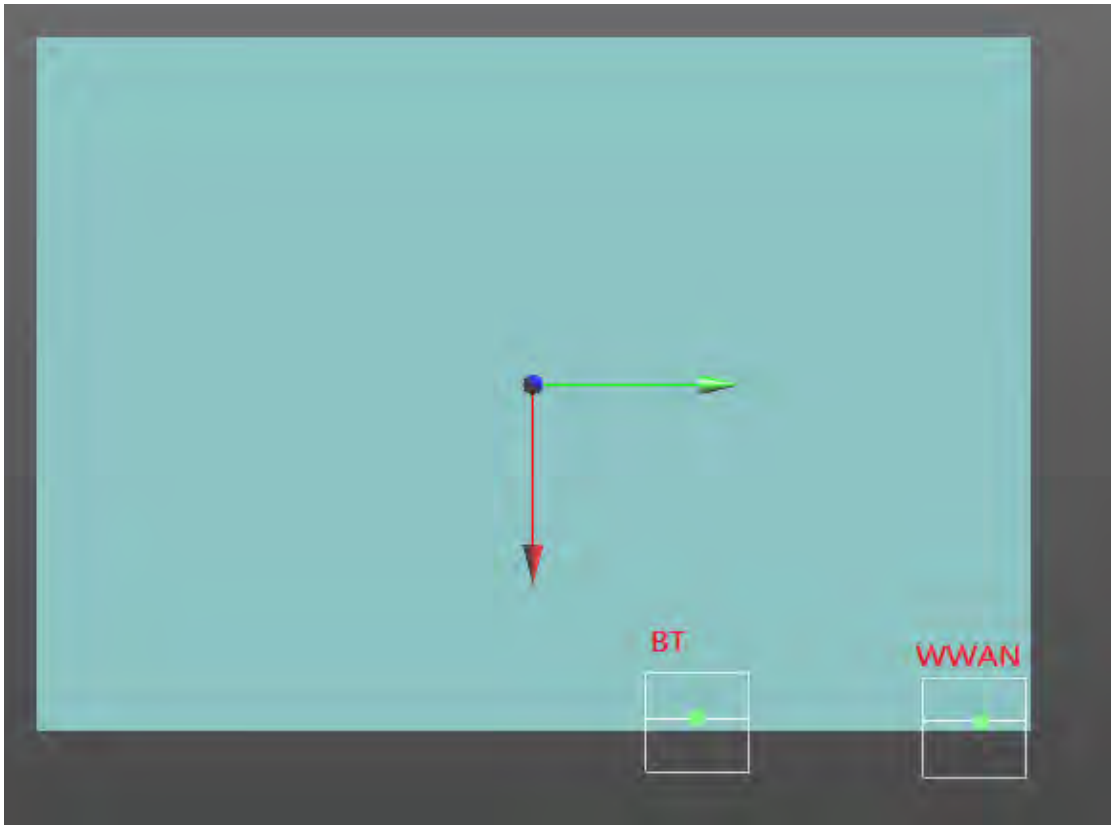
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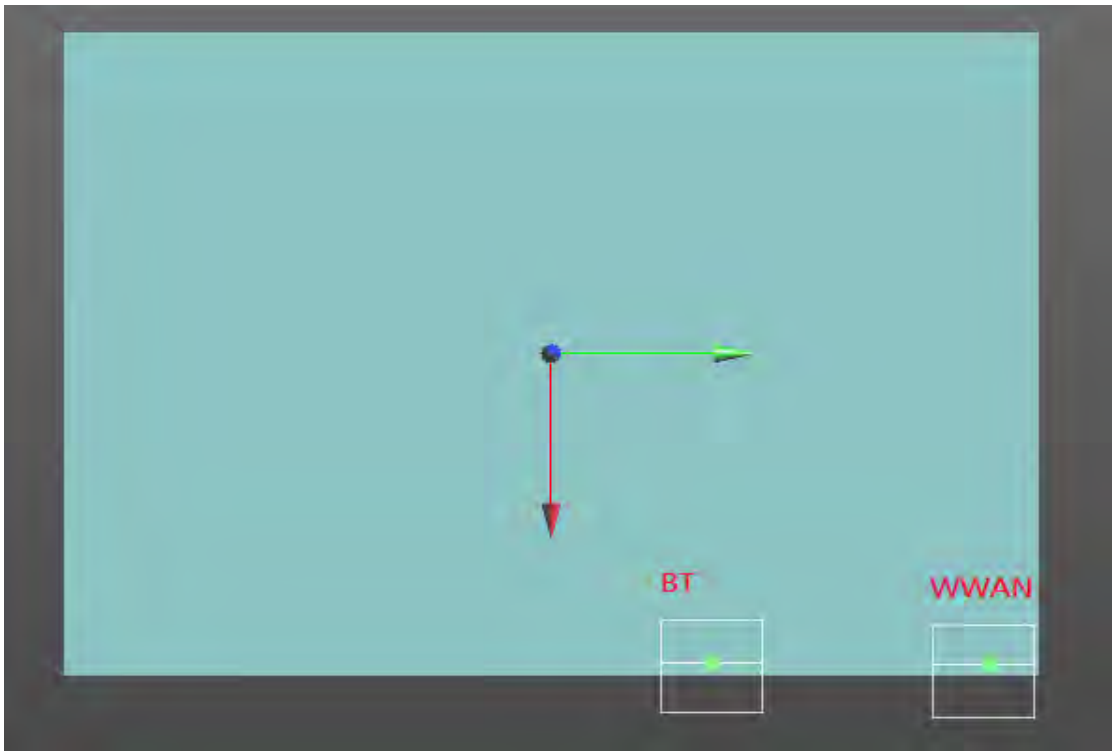
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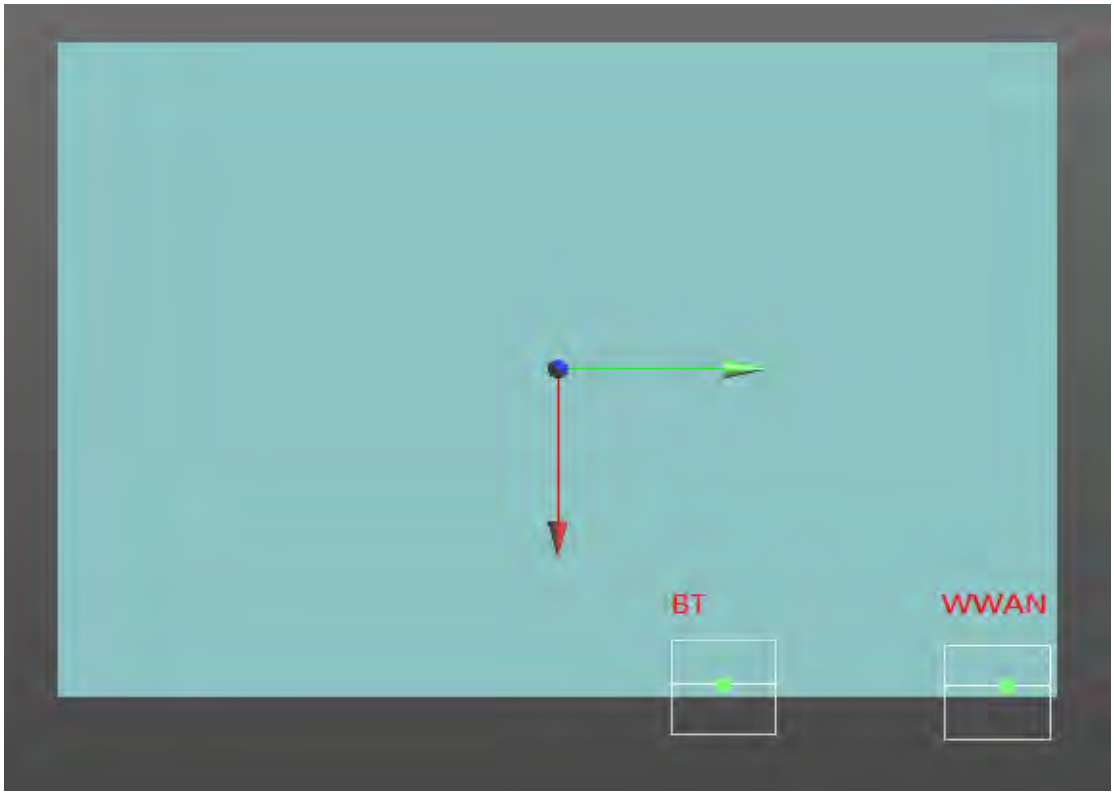
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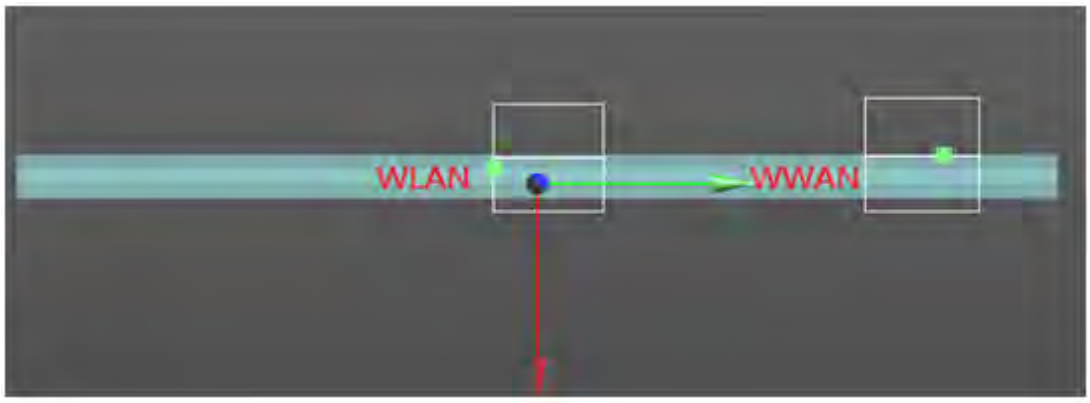
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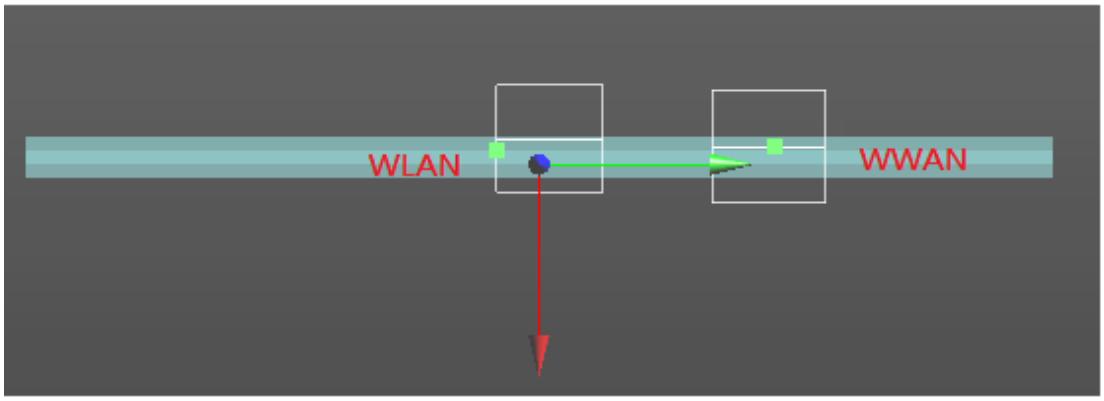
Scenario 2: WLAN Main 2.4G+WWAN&BT									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top Curve side	WLAN Main 2.4G	0.745	1.141	0.479	1.143	-	-	-	-
Top Curve side	WCDMA Band II	0.346	-8.00	112.90	-4.75	1.090	112.95	0.010	SPLSR ≤ 0.04,Not required
Top Curve side	WCDMA Band V	0.377	-5.00	86.10	-5.15	1.121	86.07	0.014	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 2	0.374	-6.70	108.60	-4.34	1.119	108.54	0.011	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 4	0.515	-3.50	107.40	-4.90	1.260	107.19	0.013	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 5	0.433	-5.30	80.60	-4.56	1.178	80.58	0.016	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 7	0.678	-4.21	120.00	-4.52	1.423	119.77	0.014	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 12	0.652	-7.00	92.10	-4.56	1.397	92.16	0.018	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 13	0.381	-5.40	79.00	-4.57	1.126	79.00	0.015	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 14	0.572	-5.40	83.90	-4.56	1.317	83.87	0.018	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 25	0.355	-6.70	108.40	-4.36	1.100	108.34	0.011	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 26_FCC	0.729	-5.40	91.20	-4.65	1.474	91.14	0.020	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 30	0.727	-5.60	115.00	-4.29	1.472	114.85	0.016	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 38	0.552	-4.40	121.60	-4.18	1.297	121.36	0.012	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 41	0.535	-4.22	118.00	-4.60	1.280	117.78	0.012	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 66	0.410	-3.50	96.30	-4.90	1.155	96.12	0.013	SPLSR ≤ 0.04,Not required
Top Curve side	BT	0.240	-4.20	63.60	-4.96	0.985	63.64	0.015	SPLSR ≤ 0.04,Not required

WLAN Main 2.45G+WCDMA II

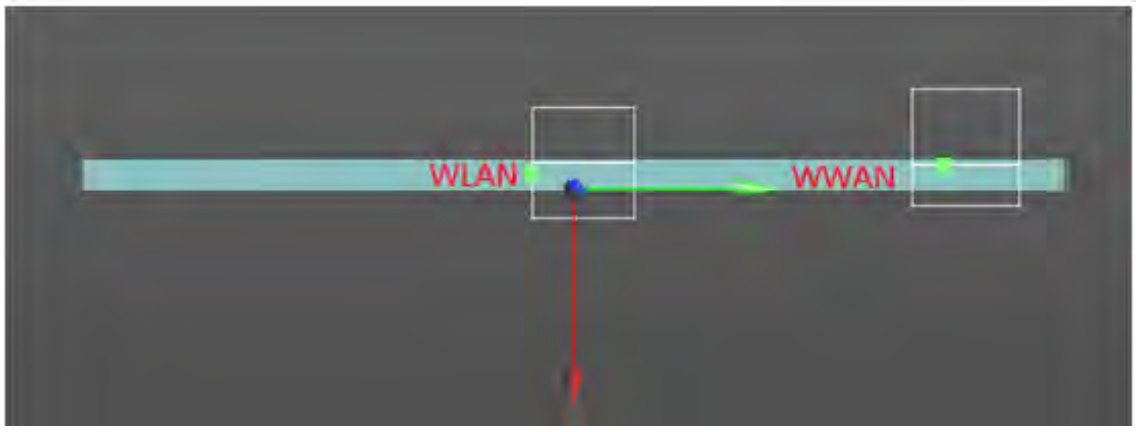


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WLAN Main 2.45G+WCDMA V



WLAN Main 2.45G+LTE B2



WLAN Main 2.45G+LTE B4

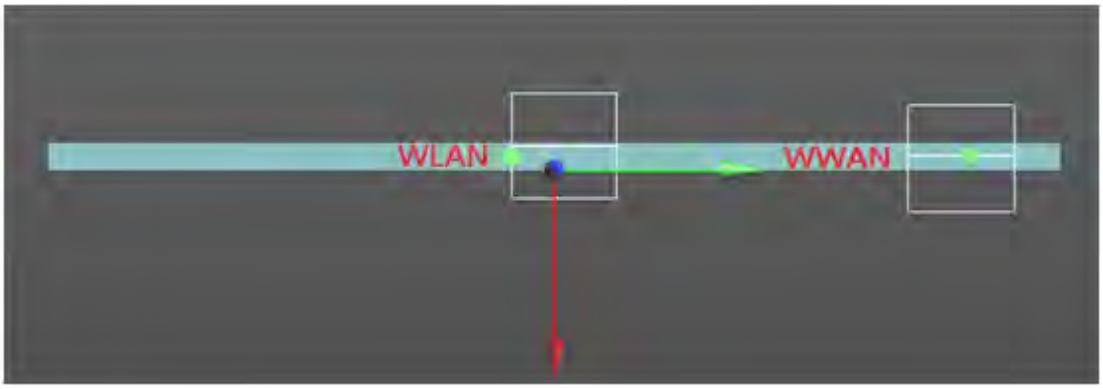


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WLAN Main 2.45G+LTE B5



WLAN Main 2.45G+LTE B7

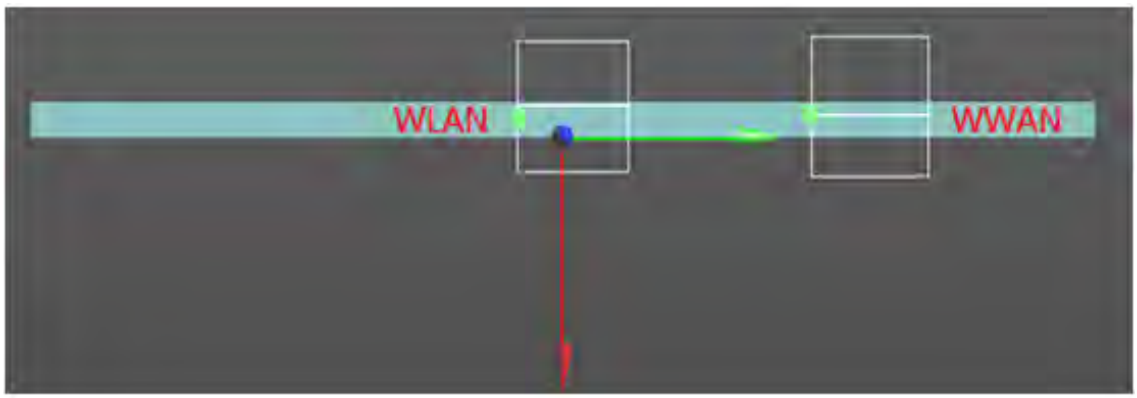


WLAN Main 2.45G+LTE B12

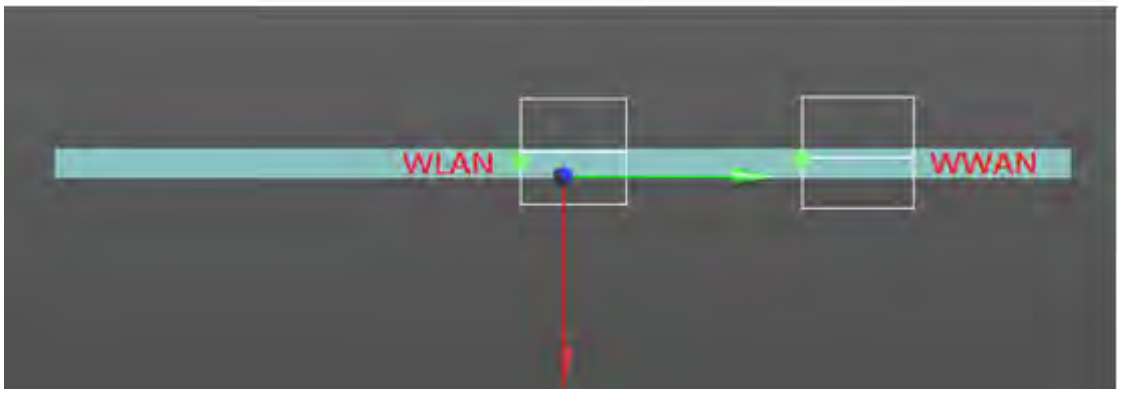


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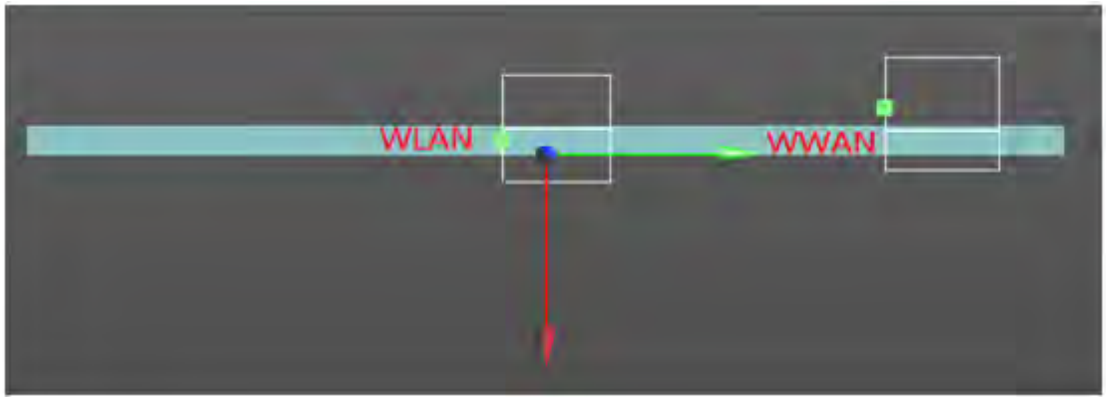
WLAN Main 2.45G+LTE B13



WLAN Main 2.45G+LTE B14

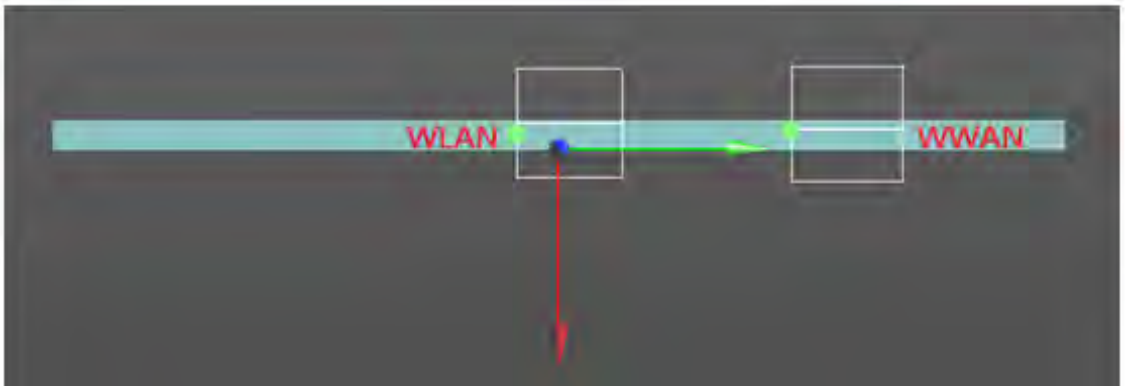


WLAN Main 2.45G+LTE B25

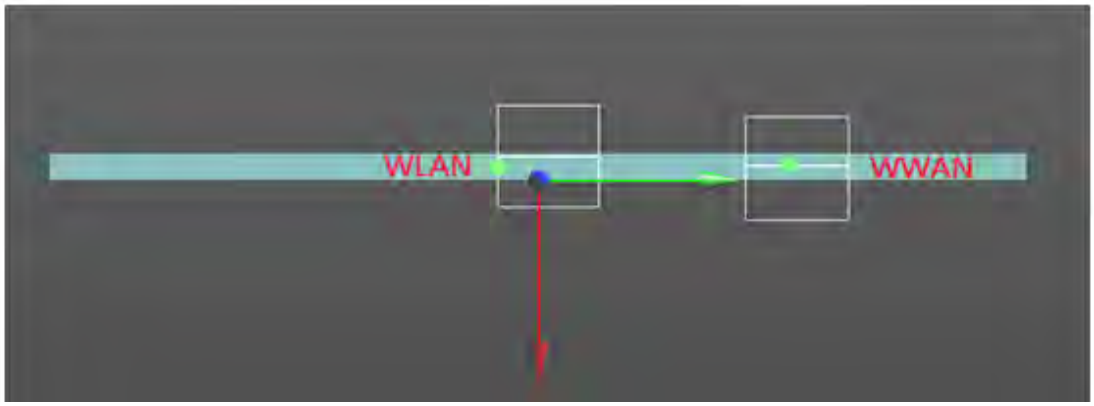


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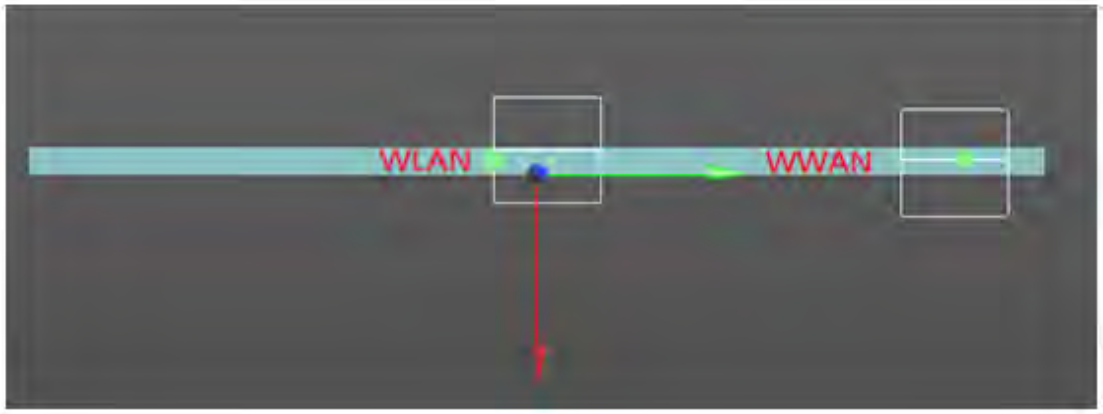
WLAN Main 2.45G+LTE B26



WLAN Main 2.45G+LTE B30



WLAN Main 2.45G+LTE B38

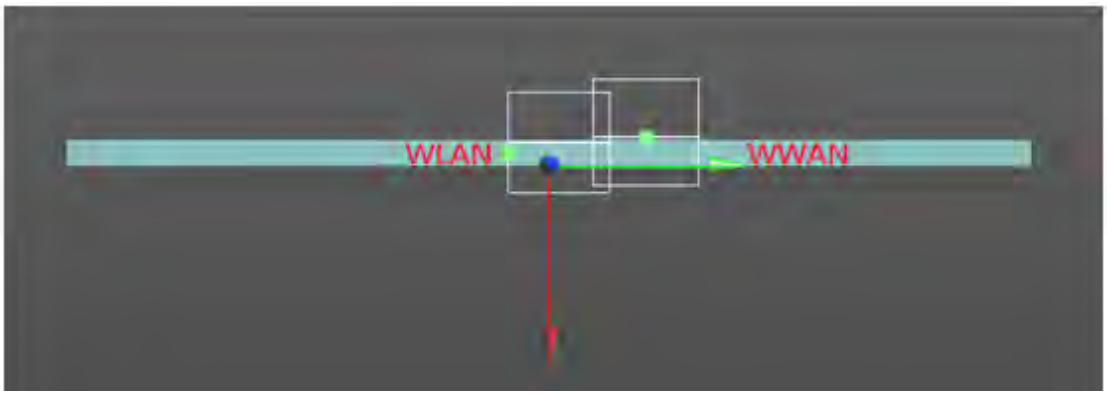


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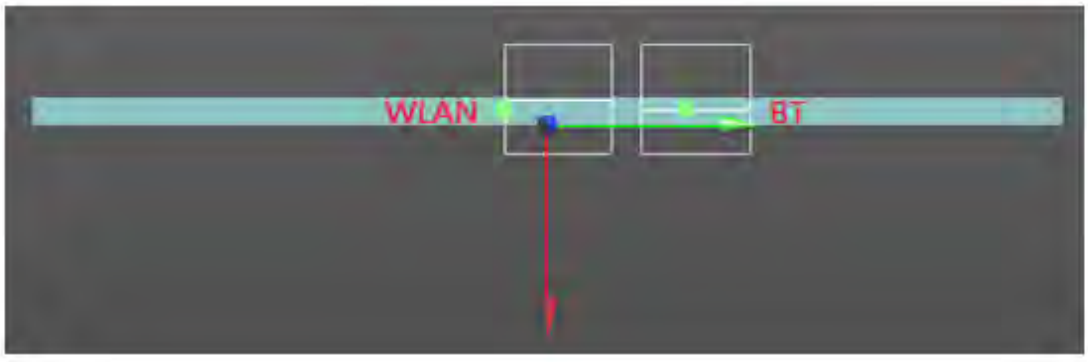
WLAN Main 2.45G+LTE B41



WLAN Main 2.45G+LTE B66



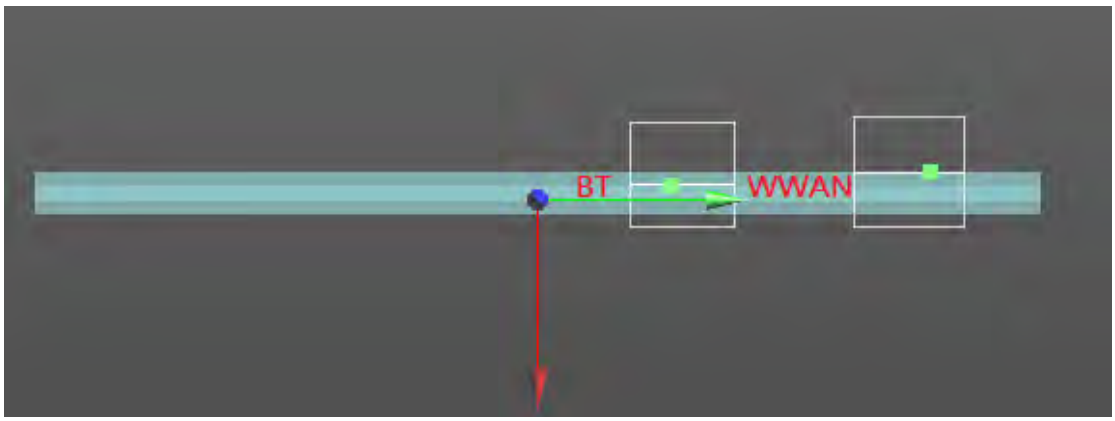
WLAN Main 2.45G+BT



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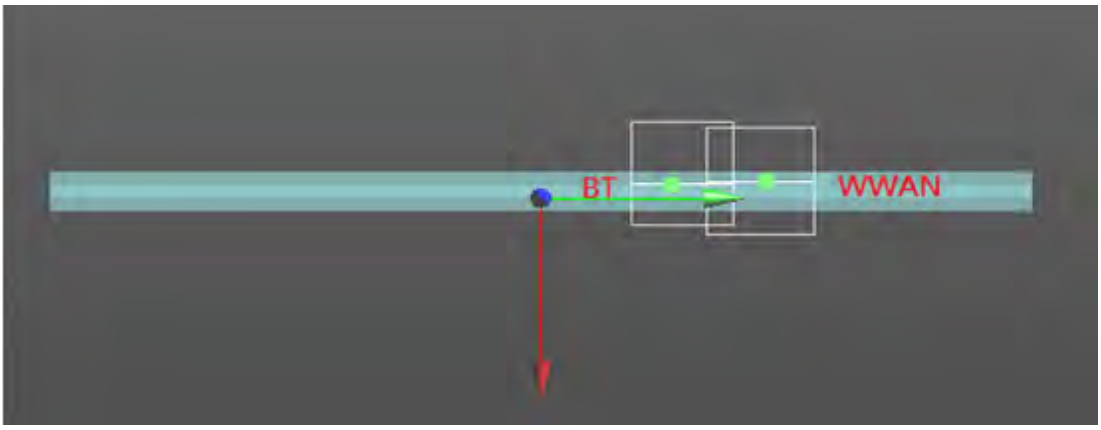
Scenario 2:BT+WWAN									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top Curve side	BT	0.240	-4.200	63.600	-4.960	-	-	-	-
Top Curve side	WCDMA Band II	0.346	-8.000	112.900	-4.750	0.586	49.45	0.009	SPLSR ≤ 0.04,Not required
Top Curve side	WCDMA Band V	0.377	-5.000	86.100	-5.150	0.617	22.52	0.022	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 2	0.374	-6.700	108.600	-4.340	0.614	45.07	0.011	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 4	0.515	-3.500	107.400	-4.900	0.755	43.81	0.015	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 5	0.433	-5.300	80.600	-4.560	0.673	17.04	0.032	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 7	0.678	-4.210	120.000	-4.520	0.918	56.40	0.016	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 12	0.652	-7.000	92.100	-4.560	0.892	28.64	0.029	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 13	0.381	-5.400	79.000	-4.570	0.621	15.45	0.032	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 14	0.572	-5.400	83.900	-4.560	0.813	20.34	0.036	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 25	0.355	-6.700	108.400	-4.360	0.595	44.87	0.010	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 26_FCC	0.729	-5.400	91.200	-4.650	0.969	27.63	0.035	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 30	0.727	-5.600	115.000	-4.290	0.968	51.42	0.019	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 38	0.552	-4.400	121.600	-4.180	0.792	58.01	0.012	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 41	0.535	-4.220	118.000	-4.600	0.775	54.40	0.013	SPLSR ≤ 0.04,Not required
Top Curve side	LTE Band 66	0.410	-3.500	96.300	-4.900	0.650	32.71	0.016	SPLSR ≤ 0.04,Not required

BT+WCDMA II

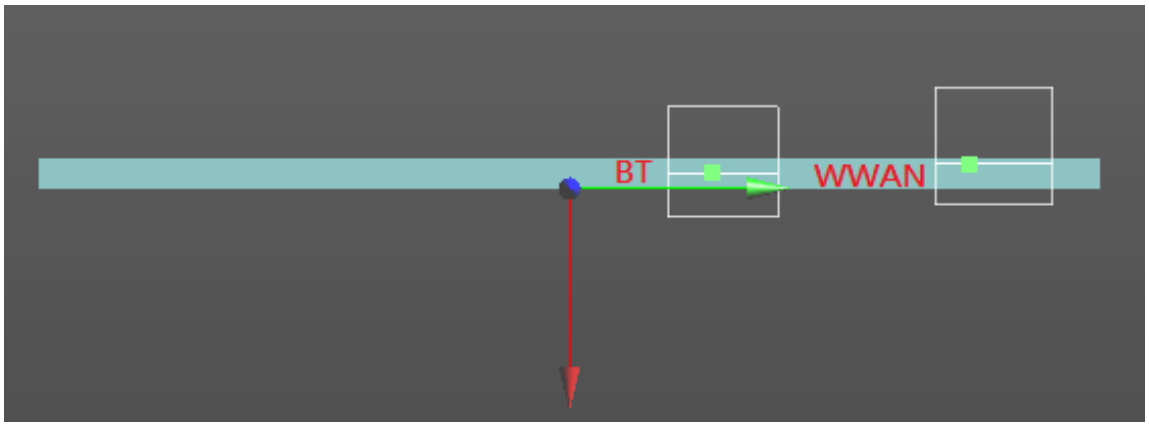


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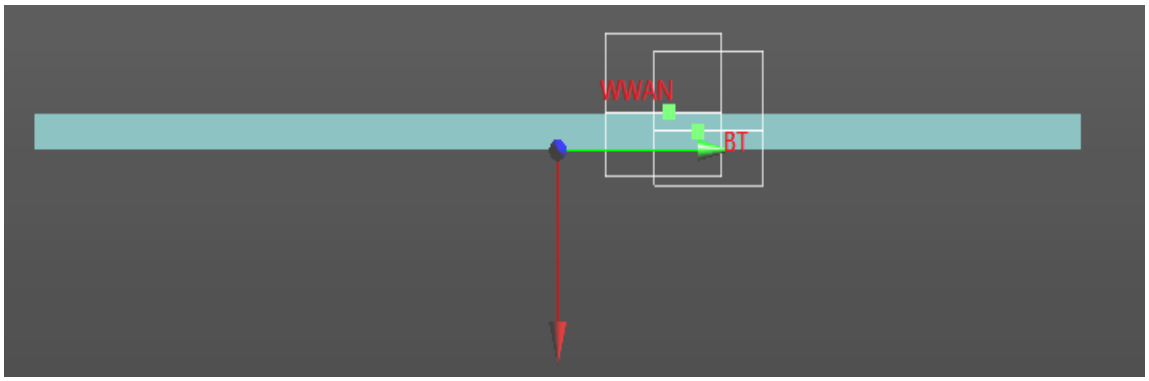
BT+WCDMA V



BT+LTE B2

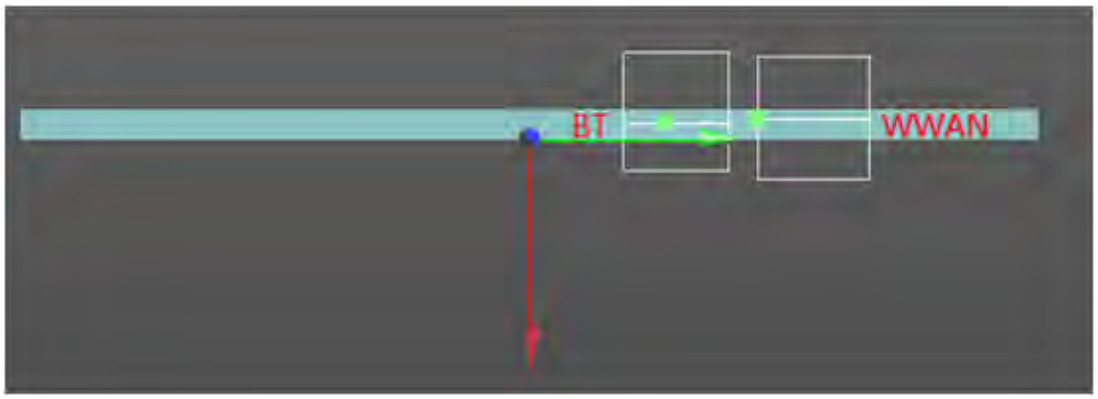


BT+LTE B4

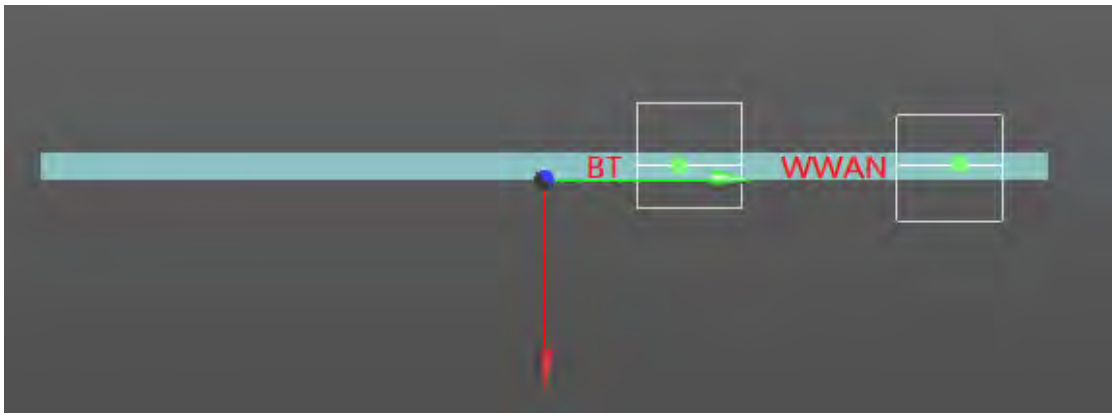


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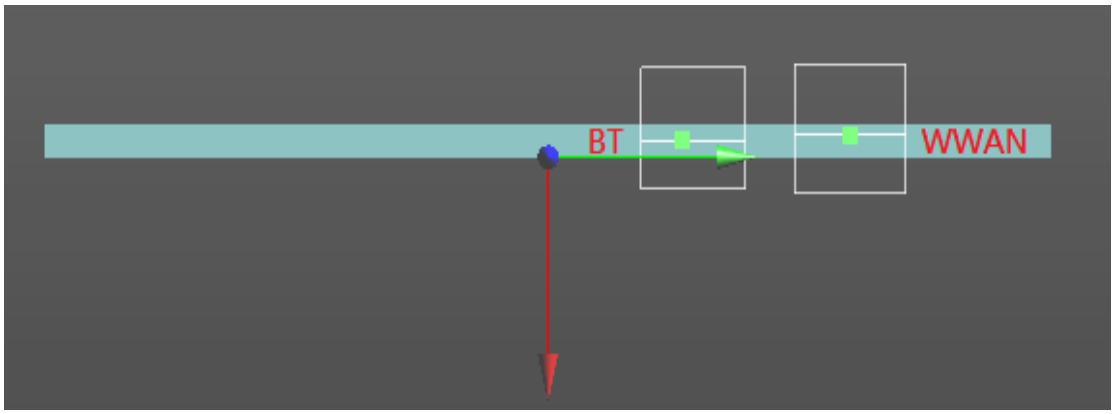
BT+LTE B5



BT+LTE B7

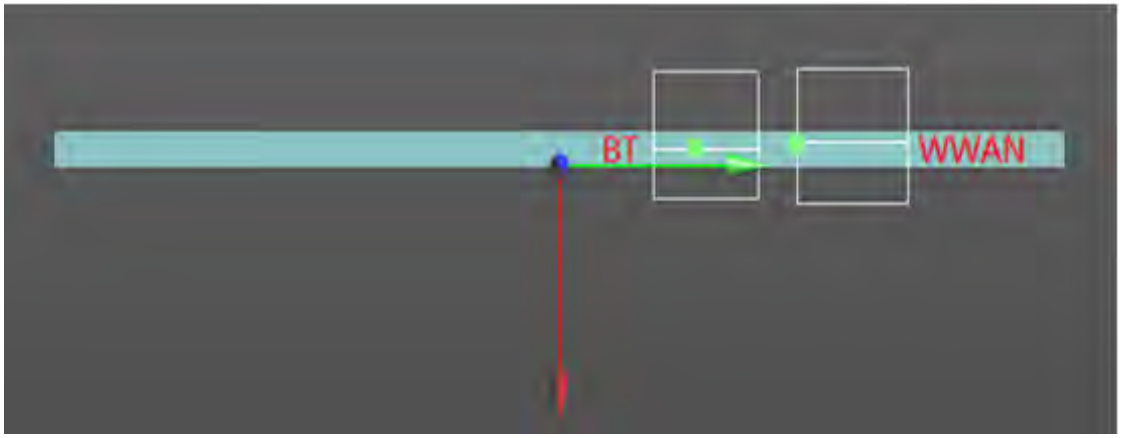


BT+LTE B12

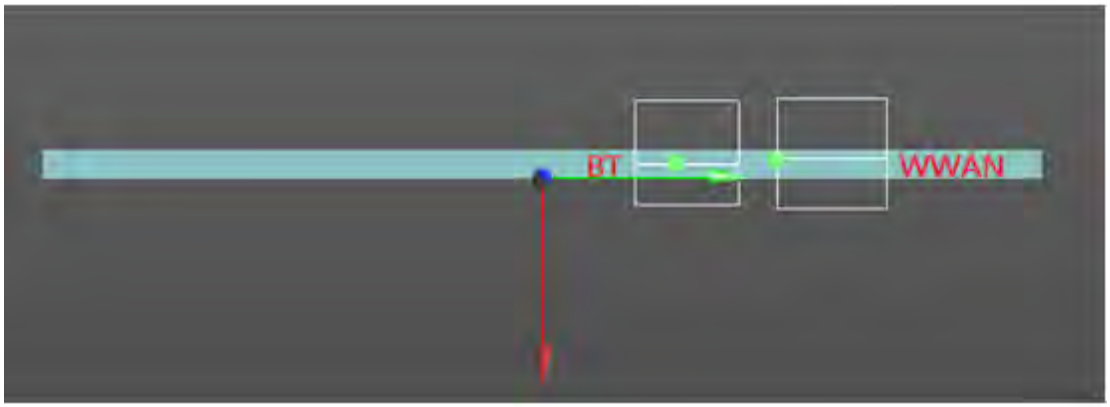


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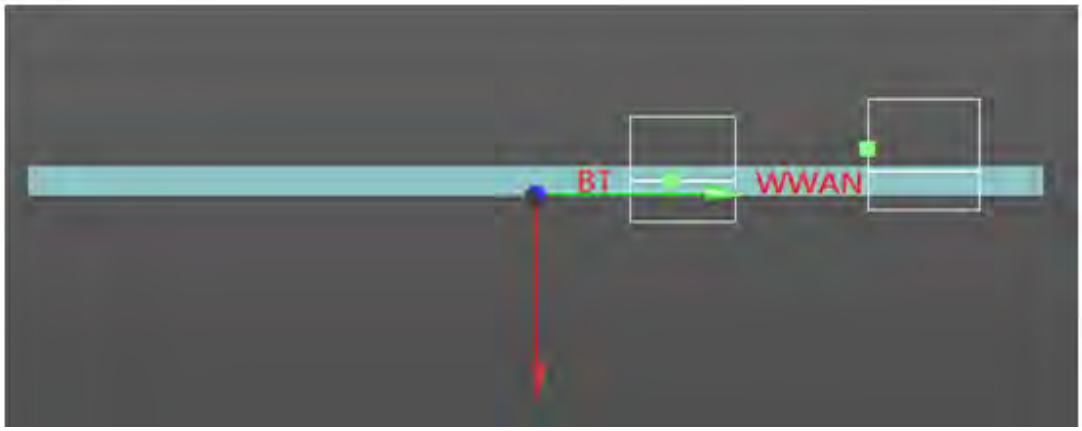
BT+LTE B13



BT+LTE B14

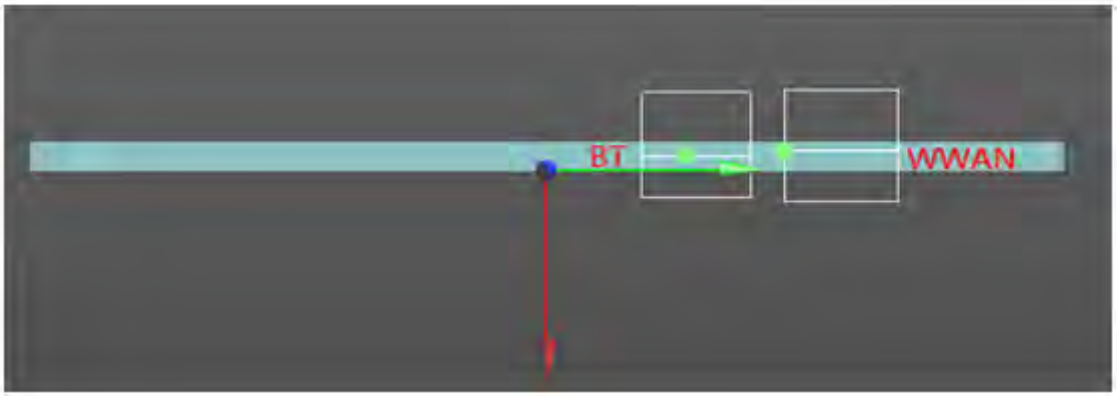


BT+LTE B25

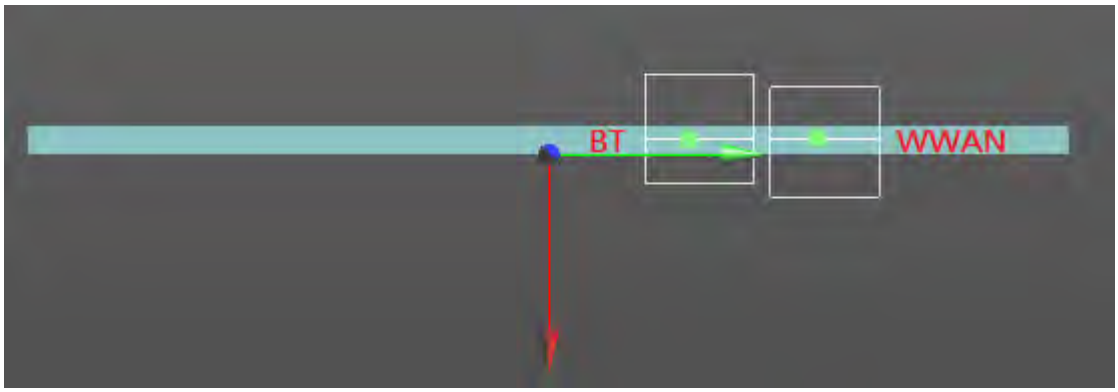


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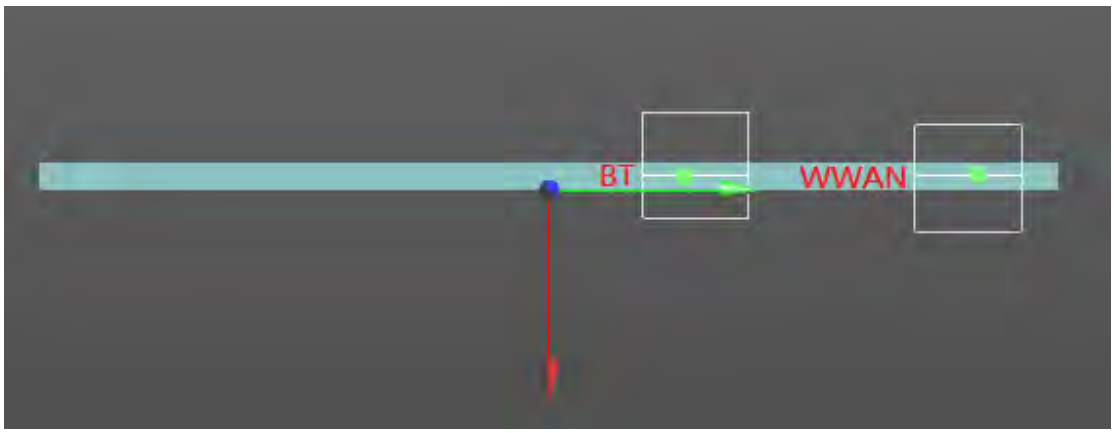
BT+LTE B26



BT+LTE B30

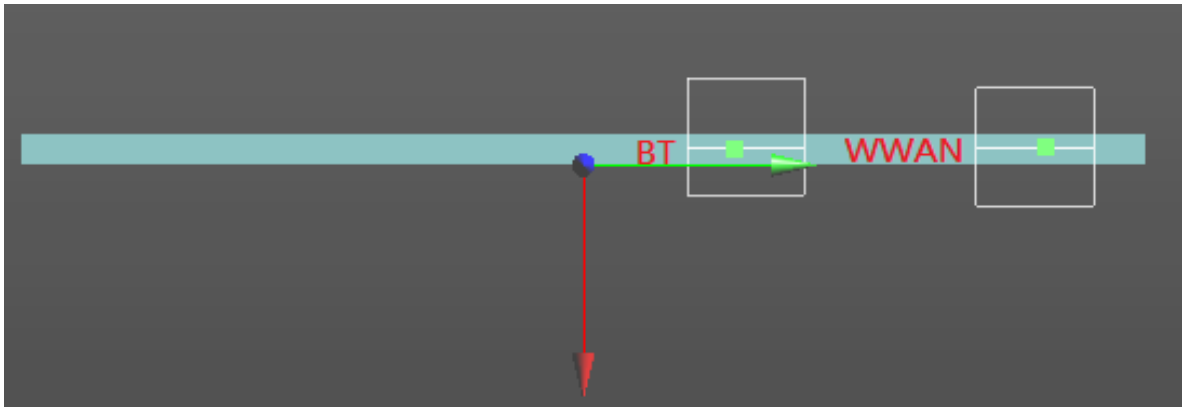


BT+LTE B38

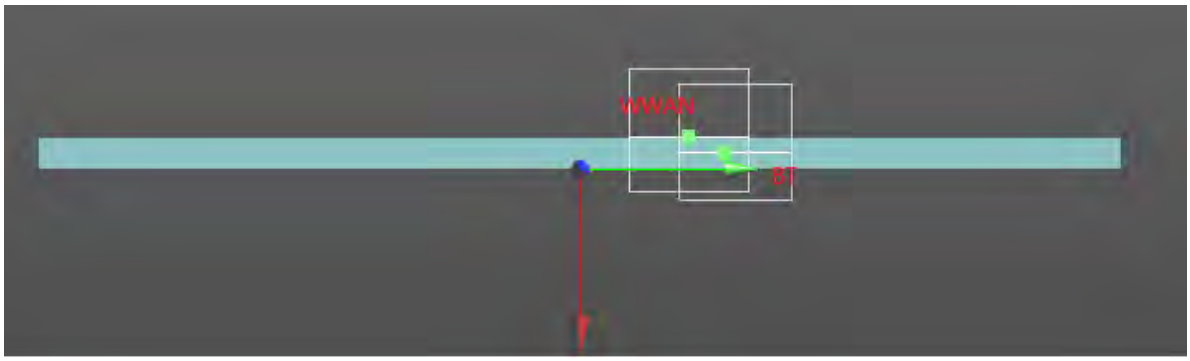


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BT+LTE B41



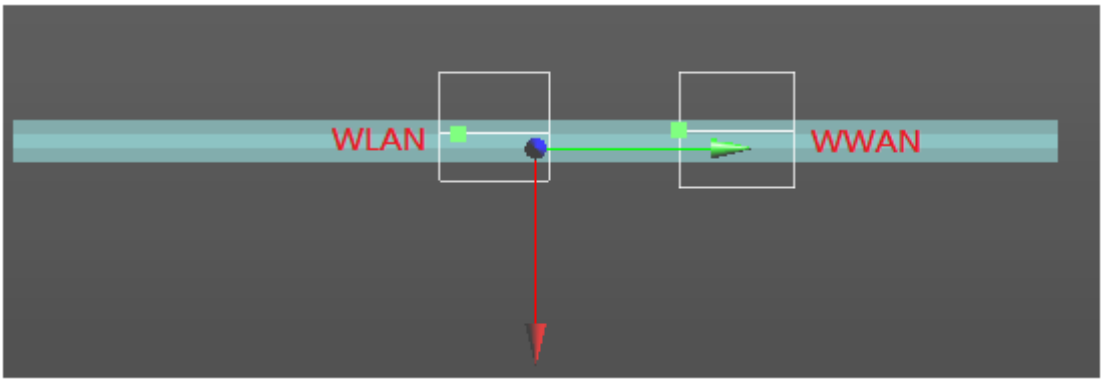
BT+LTE B66



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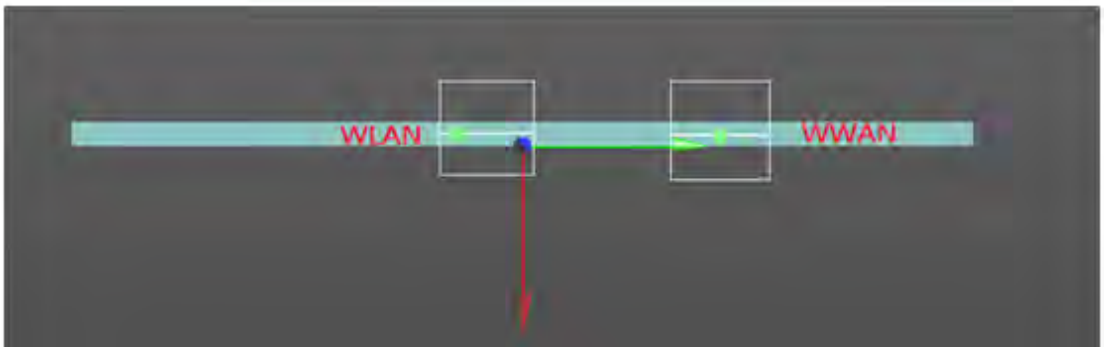
Scenario 2: WLAN Main 2.4G+WWAN&BT									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top side	WLAN Main 2.4G	0.665	-1.80	-35.00	-4.95	-	-	-	-
Top side	WCDMA Band II	0.367	-5.00	89.50	-4.88	1.031	124.54	0.008	SPLSR ≤ 0.04,Not required
Top side	WCDMA Band V	0.348	-3.45	83.20	-4.81	1.013	118.21	0.009	SPLSR ≤ 0.04,Not required
Top side	LTE Band 2	0.364	-5.40	85.50	-4.24	1.029	120.56	0.009	SPLSR ≤ 0.04,Not required
Top side	LTE Band 4	0.478	-6.50	103.80	-4.86	1.143	138.88	0.009	SPLSR ≤ 0.04,Not required
Top side	LTE Band 5	0.187	-5.40	84.60	-4.29	0.852	119.66	0.007	SPLSR ≤ 0.04,Not required
Top side	LTE Band 7	0.647	-5.80	122.20	-4.64	1.312	157.25	0.010	SPLSR ≤ 0.04,Not required
Top side	LTE Band 12	0.723	-5.40	91.50	-4.37	1.388	126.55	0.013	SPLSR ≤ 0.04,Not required
Top side	LTE Band 13	0.124	-8.00	97.20	-4.80	0.789	132.35	0.005	SPLSR ≤ 0.04,Not required
Top side	LTE Band 14	0.297	-5.30	89.00	-4.41	0.961	124.05	0.008	SPLSR ≤ 0.04,Not required
Top side	LTE Band 25	0.386	-5.40	77.10	-4.46	1.051	112.16	0.010	SPLSR ≤ 0.04,Not required
Top side	LTE Band 26_FCC	0.442	-5.40	83.00	-4.47	1.107	118.06	0.010	SPLSR ≤ 0.04,Not required
Top side	LTE Band 30	0.624	-5.60	116.00	-4.18	1.289	151.05	0.010	SPLSR ≤ 0.04,Not required
Top side	LTE Band 38	0.595	-3.20	121.60	-4.13	1.260	156.61	0.009	SPLSR ≤ 0.04,Not required
Top side	LTE Band 41	0.562	-4.40	119.20	-4.14	1.227	154.22	0.009	SPLSR ≤ 0.04,Not required
Top side	LTE Band 66	0.412	-6.50	102.20	-4.89	1.076	137.28	0.008	SPLSR ≤ 0.04,Not required
Top side	BT	0.181	-1.60	64.40	-4.69	0.846	99.40	0.008	SPLSR ≤ 0.04,Not required

WLAN Main 2.45G+WCDMA II

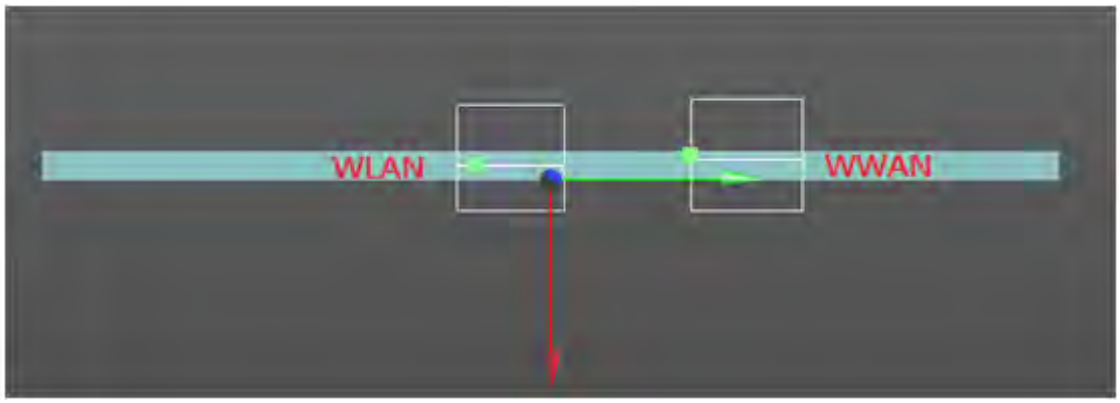


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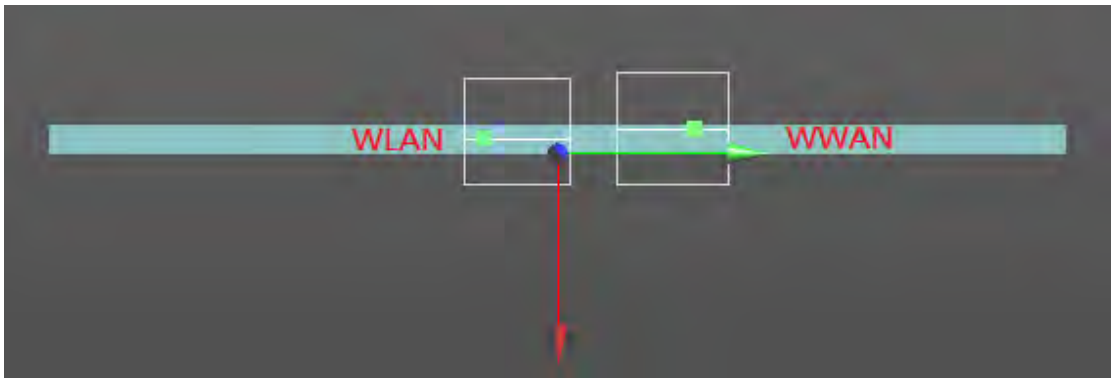
WLAN Main 2.45G+WCDMA V



WLAN Main 2.45G+LTE B2

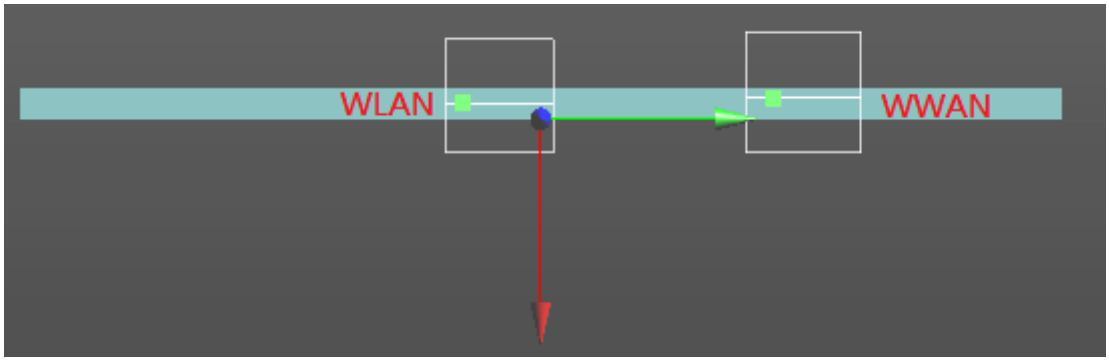


WLAN Main 2.45G+LTE B4

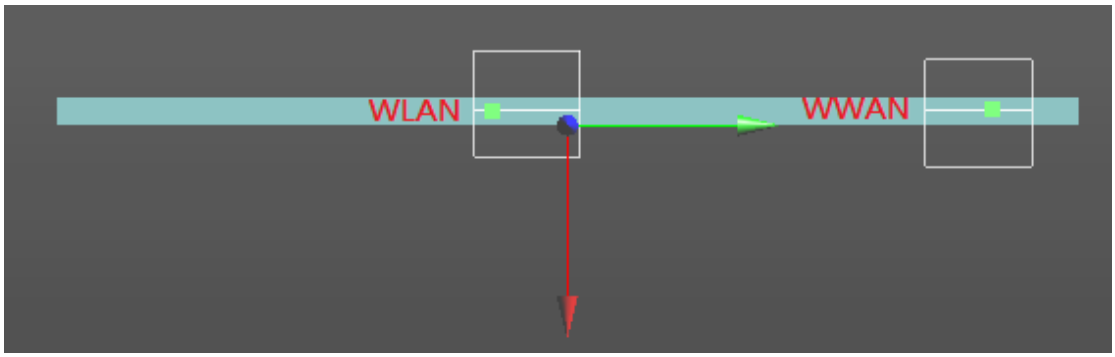


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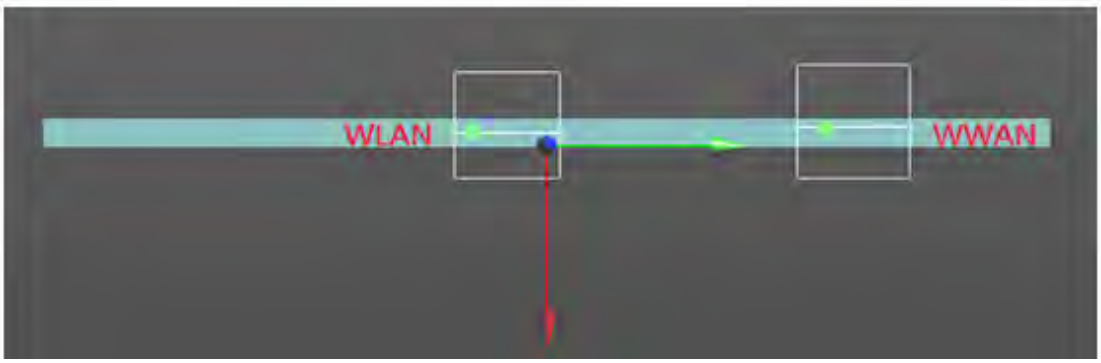
WLAN Main 2.45G+LTE B5



WLAN Main 2.45G+LTE B7



WLAN Main 2.45G+LTE B12

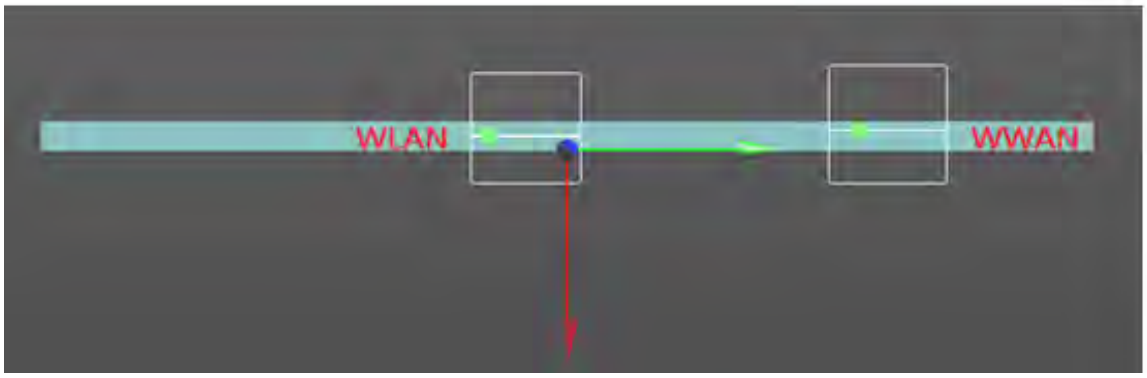


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WLAN Main 2.45G+LTE B13



WLAN Main 2.45G+LTE B14

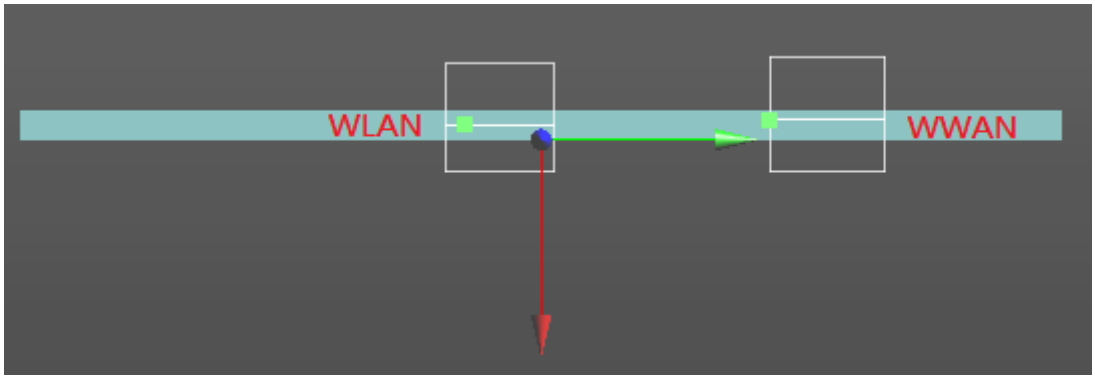


WLAN Main 2.45G+LTE B25

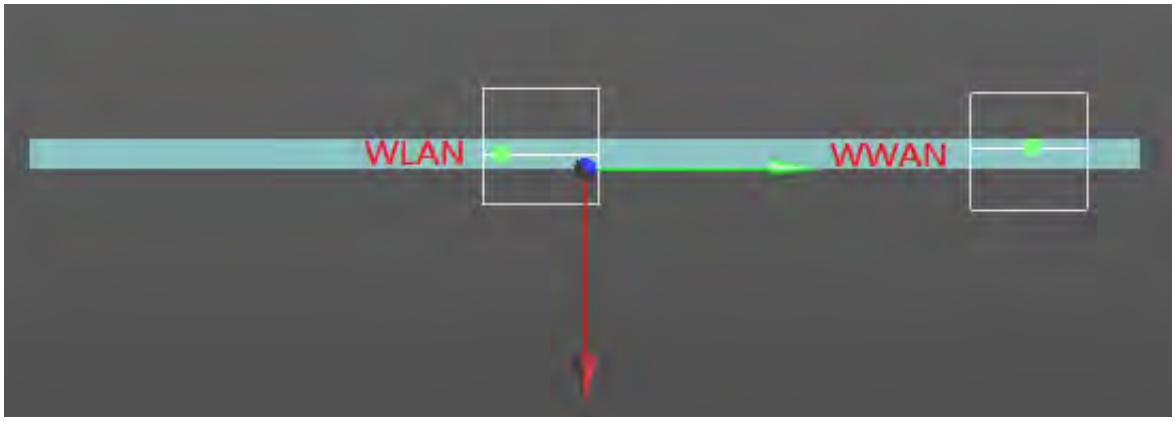


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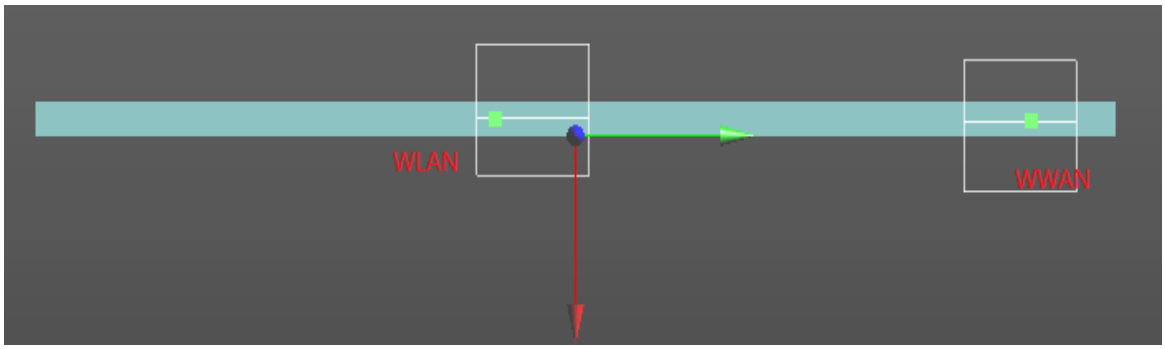
WLAN Main 2.45G+LTE B26



WLAN Main 2.45G+LTE B30

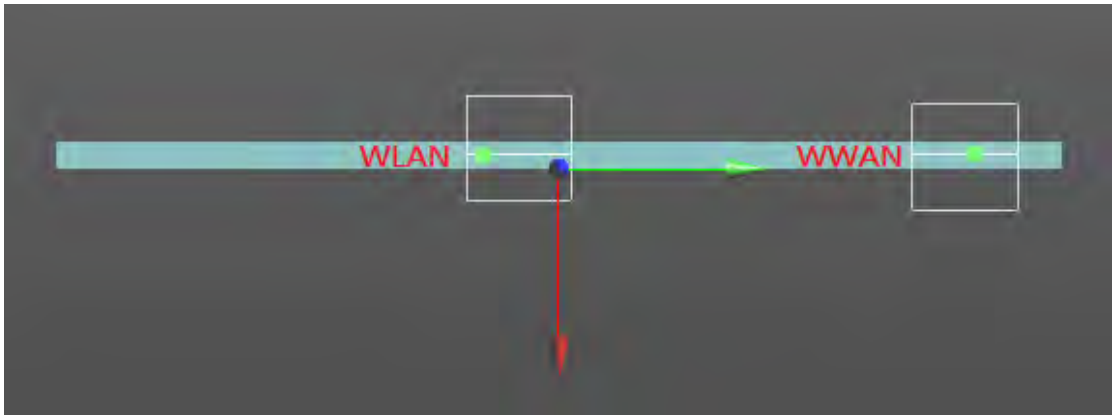


WLAN Main 2.45G+LTE B38

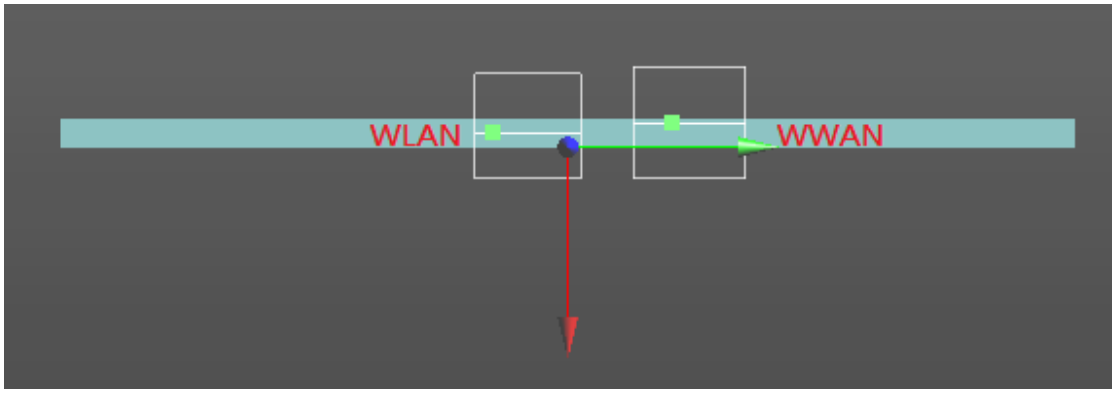


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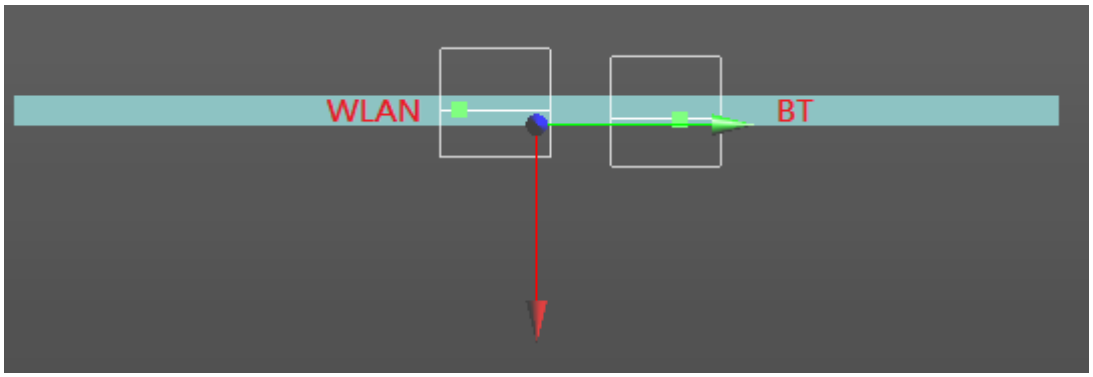
WLAN Main 2.45G+LTE B41



WLAN Main 2.45G+LTE B66



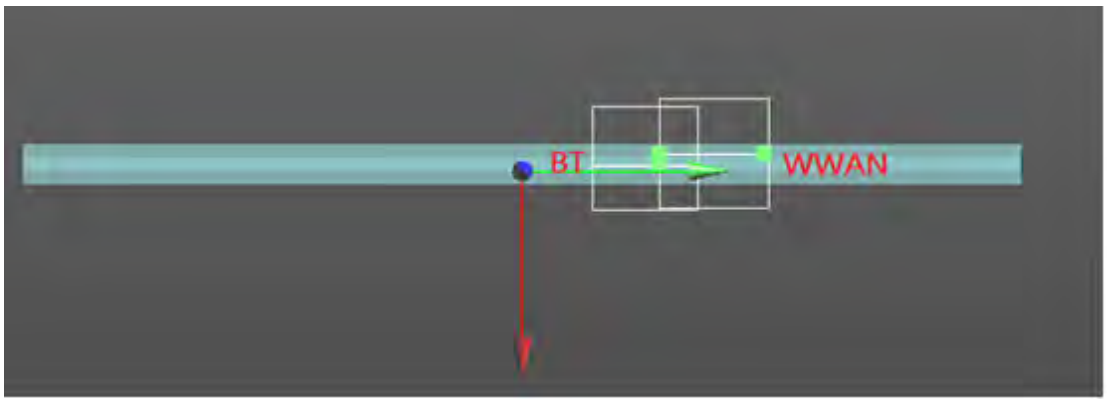
WLAN Main 2.45G+BT



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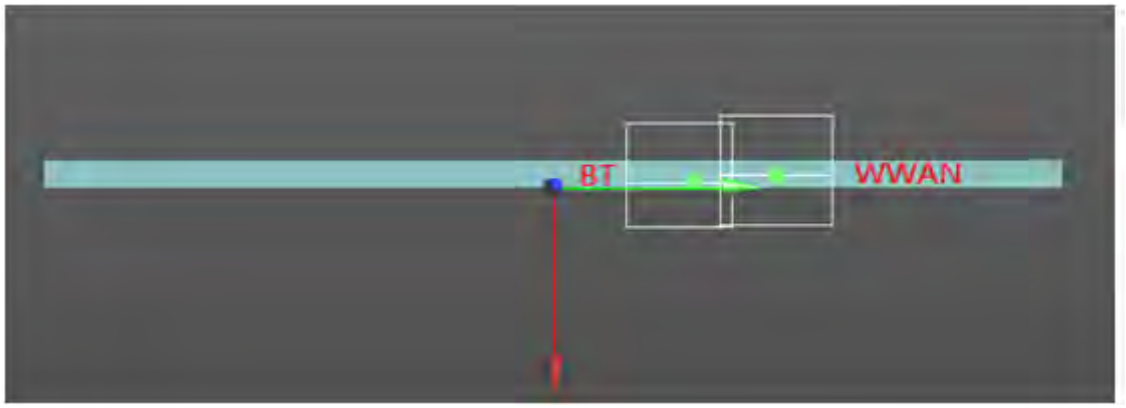
Scenario 2:BT+WWAN									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top side	BT	0.181	-1.600	64.400	-4.690	-	-	-	-
Top side	WCDMA Band II	0.367	-5.000	89.500	-4.880	0.548	25.33	0.016	SPLSR ≤ 0.04,Not required
Top side	WCDMA Band V	0.348	-3.450	83.200	-4.810	0.530	18.89	0.020	SPLSR ≤ 0.04,Not required
Top side	LTE Band 2	0.364	-5.400	85.500	-4.240	0.545	21.44	0.019	SPLSR ≤ 0.04,Not required
Top side	LTE Band 4	0.478	-6.500	103.800	-4.860	0.659	39.70	0.013	SPLSR ≤ 0.04,Not required
Top side	LTE Band 5	0.187	-5.400	84.600	-4.290	0.369	20.56	0.011	SPLSR ≤ 0.04,Not required
Top side	LTE Band 7	0.647	-5.800	122.200	-4.640	0.828	57.95	0.013	SPLSR ≤ 0.04,Not required
Top side	LTE Band 12	0.723	-5.400	91.500	-4.370	0.905	27.37	0.031	SPLSR ≤ 0.04,Not required
Top side	LTE Band 13	0.124	-8.000	97.200	-4.800	0.305	33.42	0.005	SPLSR ≤ 0.04,Not required
Top side	LTE Band 14	0.297	-5.300	89.000	-4.410	0.478	24.88	0.013	SPLSR ≤ 0.04,Not required
Top side	LTE Band 25	0.386	-5.400	77.100	-4.460	0.567	13.26	0.032	SPLSR ≤ 0.04,Not required
Top side	LTE Band 26_FCC	0.442	-5.400	83.000	-4.470	0.623	18.99	0.026	SPLSR ≤ 0.04,Not required
Top side	LTE Band 30	0.624	-5.600	116.000	-4.180	0.805	51.76	0.014	SPLSR ≤ 0.04,Not required
Top side	LTE Band 38	0.595	-3.200	121.600	-4.130	0.777	57.23	0.012	SPLSR ≤ 0.04,Not required
Top side	LTE Band 41	0.562	-4.400	119.200	-4.140	0.743	54.87	0.012	SPLSR ≤ 0.04,Not required
Top side	LTE Band 66	0.412	-6.500	102.200	-4.890	0.593	38.12	0.012	SPLSR ≤ 0.04,Not required

BT+WCDMA II

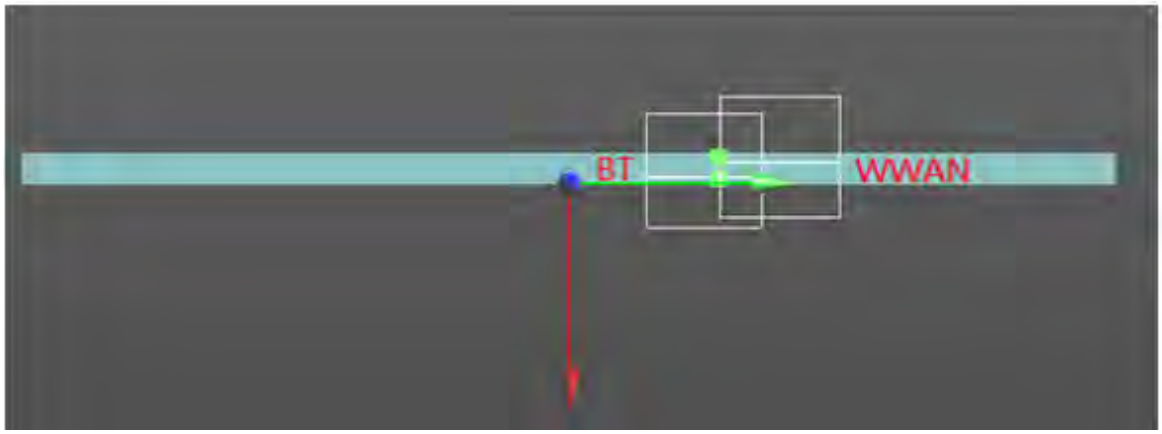


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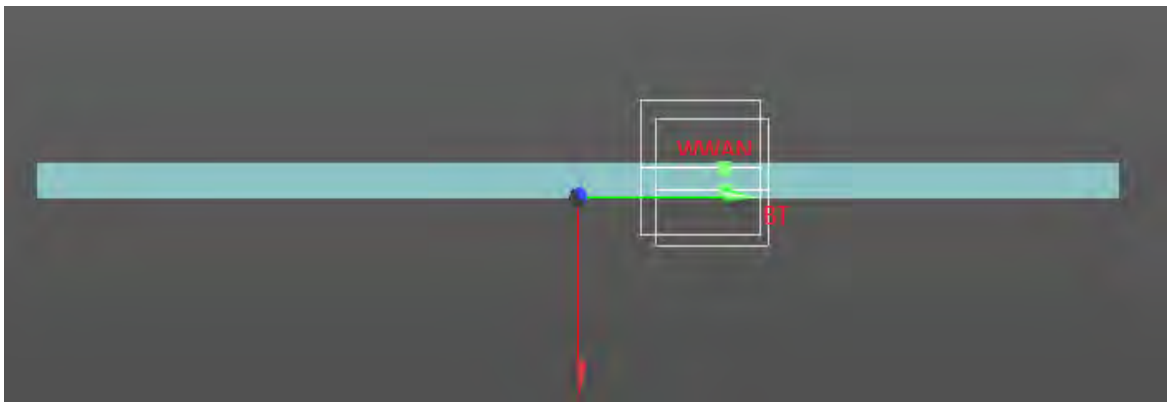
BT+WCDMA V



BT+LTE B2

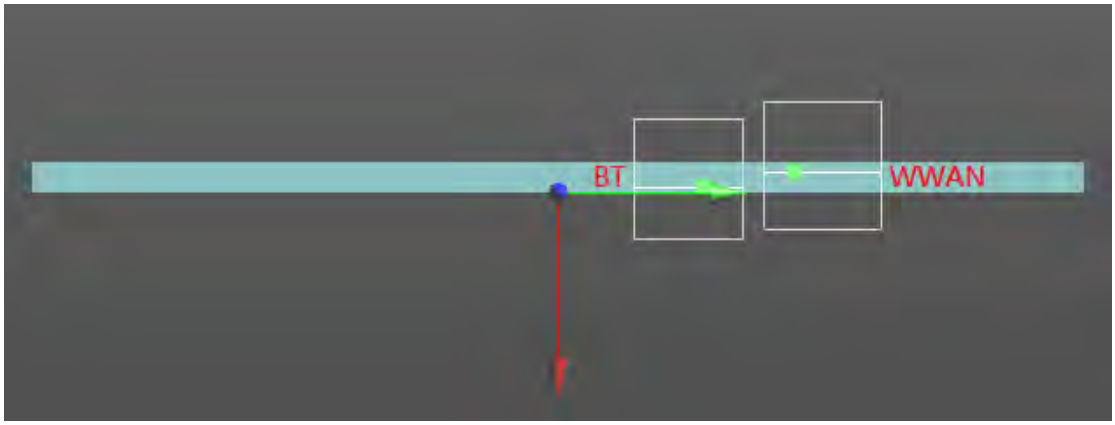


BT+LTE B4

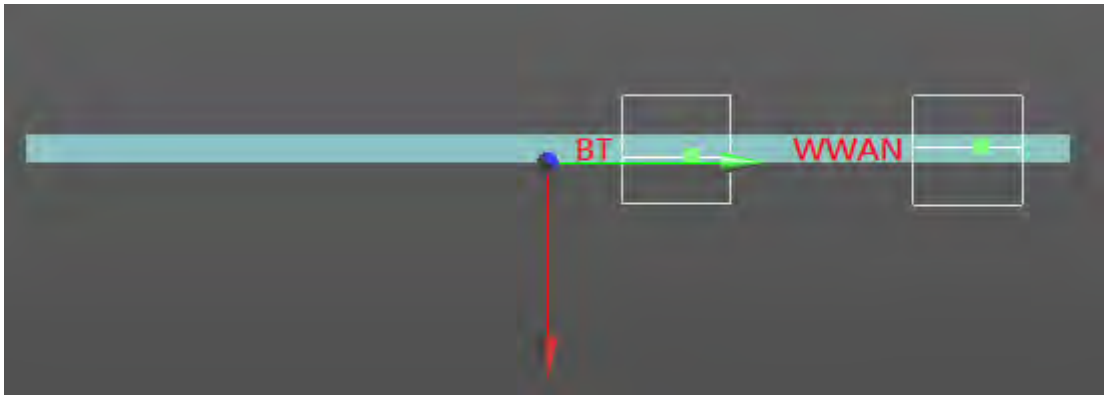


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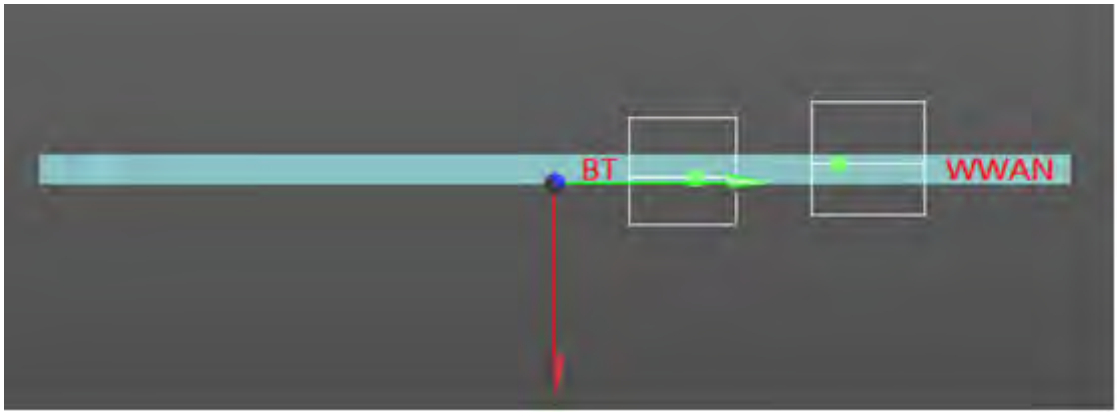
BT+LTE B5



BT+LTE B7

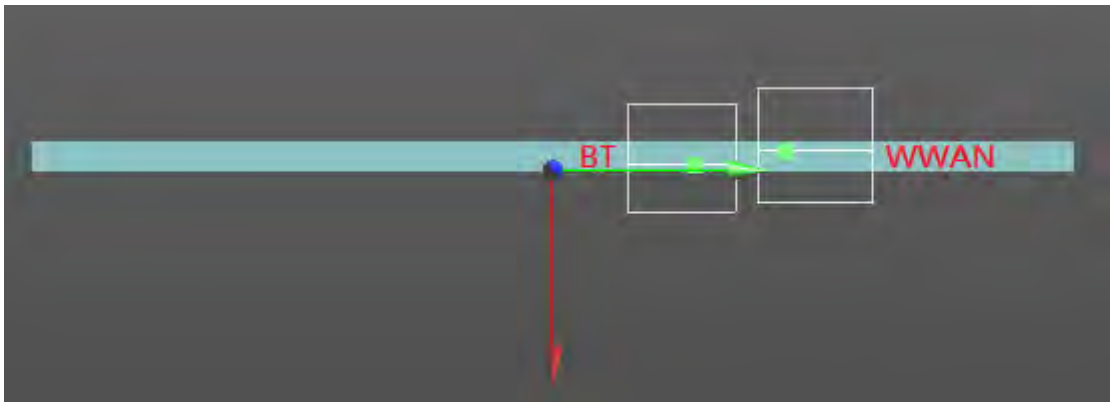


BT+LTE B12

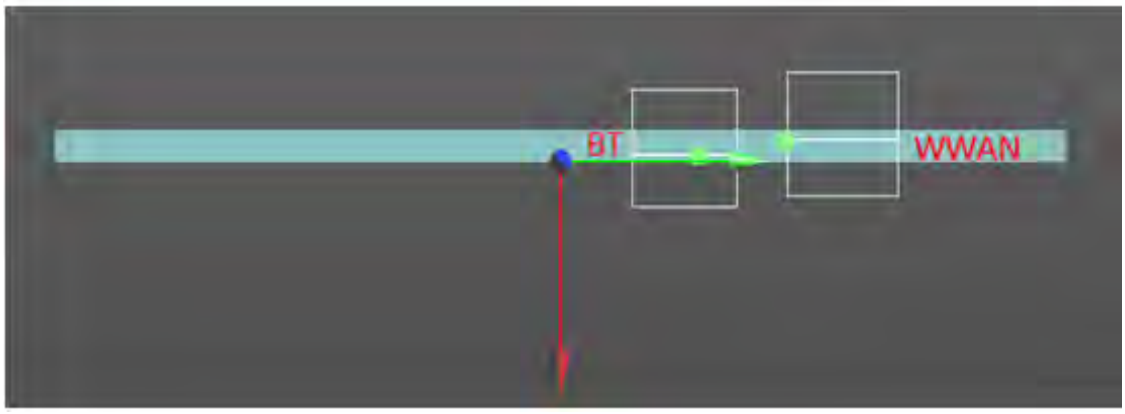


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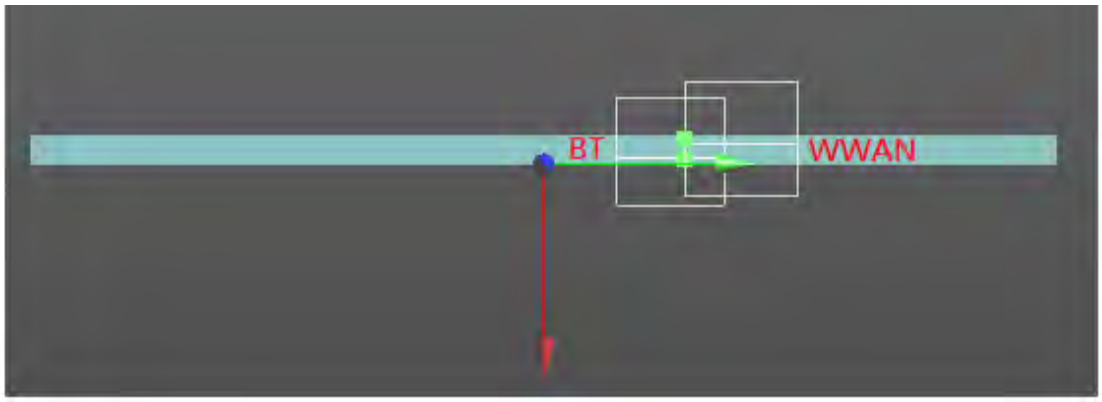
BT+LTE B13



BT+LTE B14

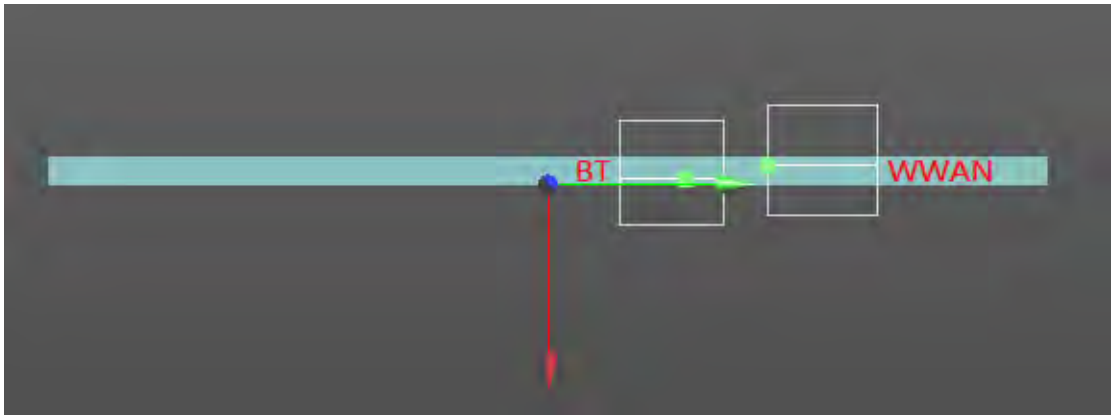


BT+LTE B25

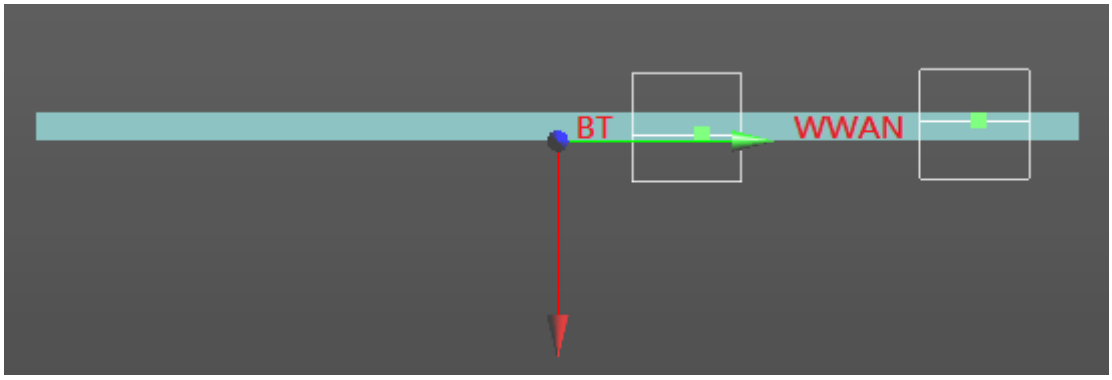


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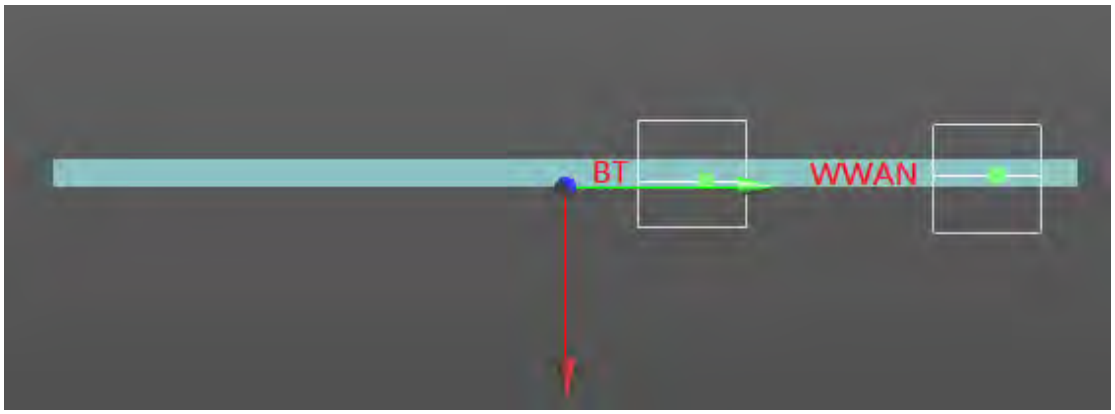
BT+LTE B26



BT+LTE B30

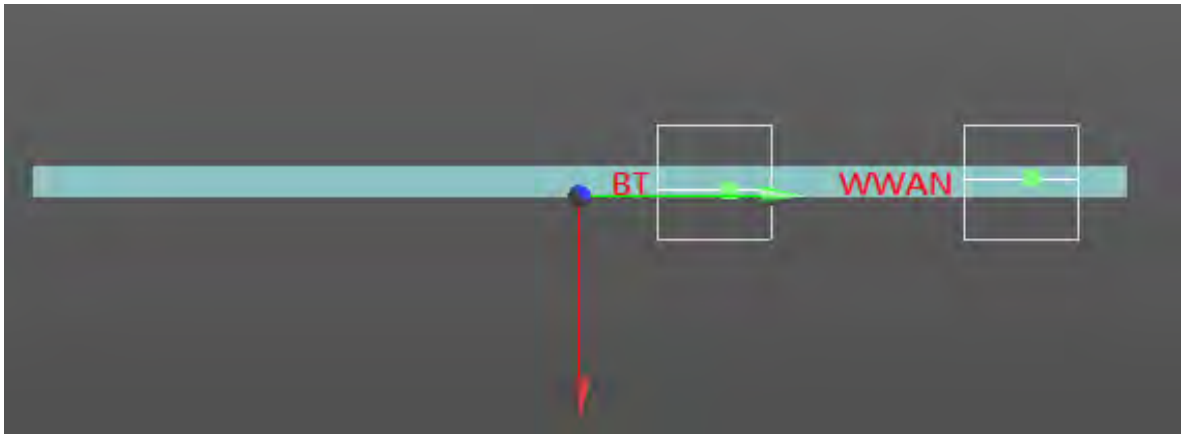


BT+LTE B38

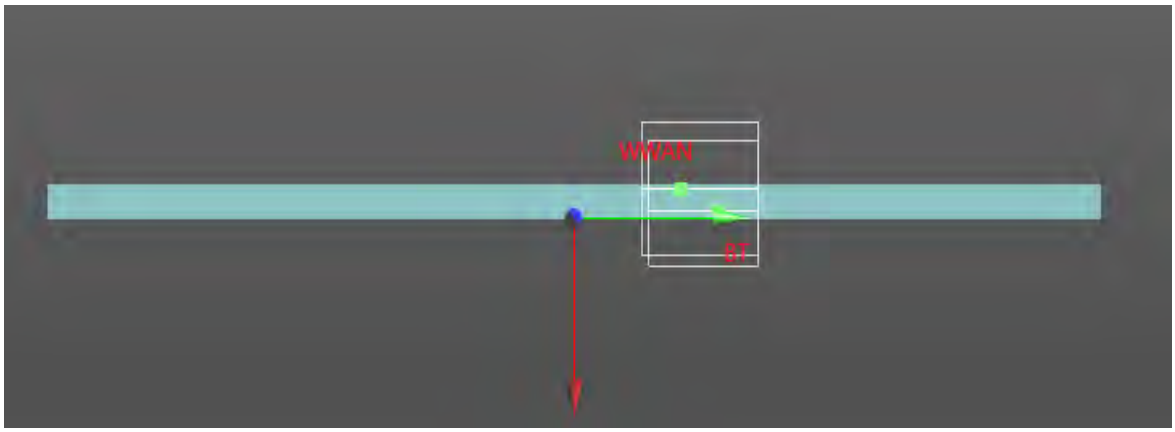


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BT+LTE B41



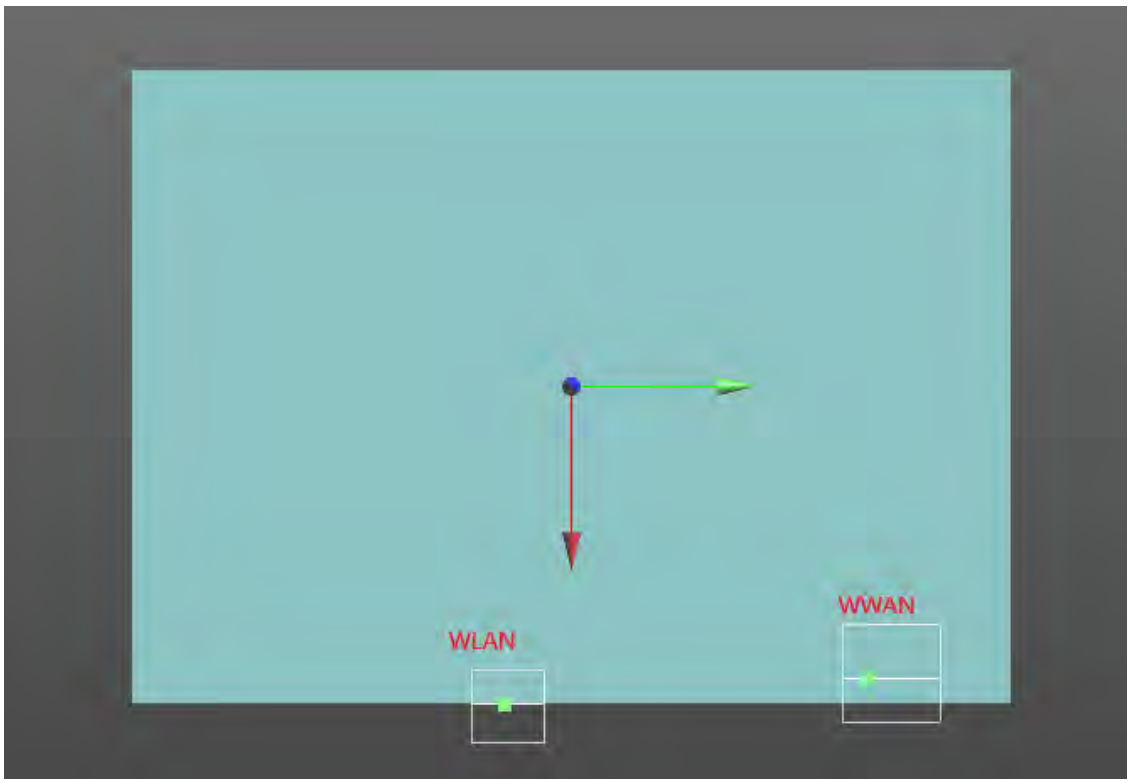
BT+LTE B66



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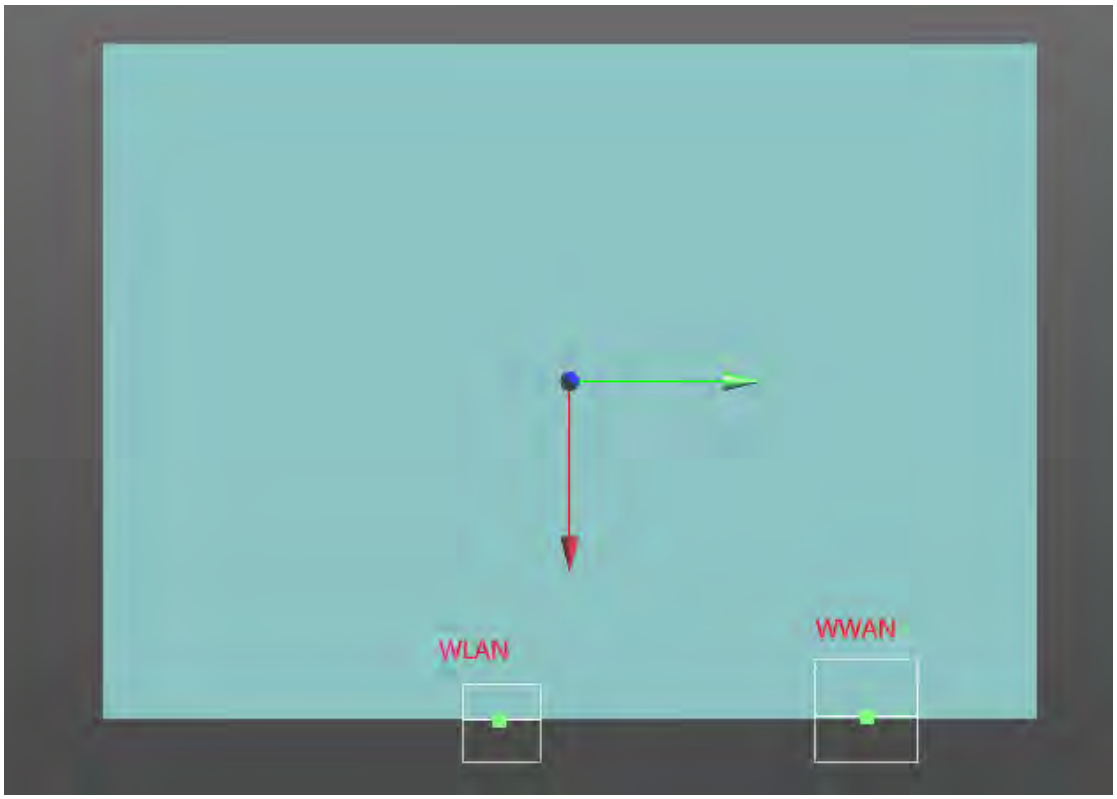
Scenario 4: WLAN Main 5G+WWAN&BT									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back side	WLAN Main 5G	0.304	104.20	-32.00	-2.89	-	-	-	-
	WCDMA Band II	0.665	95.60	97.00	-2.89	0.970	129.29	0.007	SPLSR ≤ 0.04,Not required
	WCDMA Band V	0.728	103.10	91.50	-2.72	1.033	123.51	0.008	SPLSR ≤ 0.04,Not required
	LTE Band 2	0.577	95.90	95.70	-2.50	0.881	127.97	0.006	SPLSR ≤ 0.04,Not required
	LTE Band 4	0.950	105.10	101.00	-2.32	1.255	133.00	0.011	SPLSR ≤ 0.04,Not required
	LTE Band 5	0.711	101.90	91.90	-2.35	1.015	123.92	0.008	SPLSR ≤ 0.04,Not required
	LTE Band 7	0.876	100.80	129.60	-2.10	1.181	161.64	0.008	SPLSR ≤ 0.04,Not required
	LTE Band 12	0.891	104.90	108.30	-2.15	1.196	140.30	0.009	SPLSR ≤ 0.04,Not required
	LTE Band 13	0.834	101.80	99.70	-2.36	1.138	131.72	0.009	SPLSR ≤ 0.04,Not required
	LTE Band 14	0.797	101.90	95.30	-2.38	1.101	127.32	0.009	SPLSR ≤ 0.04,Not required
	LTE Band 25	0.577	96.00	95.90	-2.48	0.882	128.16	0.006	SPLSR ≤ 0.04,Not required
	LTE Band 26_FCC	0.769	101.90	91.50	-2.36	1.074	123.52	0.009	SPLSR ≤ 0.04,Not required
	LTE Band 30	0.560	103.40	87.00	-2.45	0.865	119.00	0.007	SPLSR ≤ 0.04,Not required
	LTE Band 38	0.843	101.80	118.80	-2.17	1.147	150.82	0.008	SPLSR ≤ 0.04,Not required
	LTE Band 41	0.762	100.80	129.60	-2.11	1.066	161.64	0.007	SPLSR ≤ 0.04,Not required
	LTE Band 66	0.723	98.90	96.60	-2.39	1.027	128.71	0.008	SPLSR ≤ 0.04,Not required
	BT	0.305	100.20	62.60	-2.91	0.609	94.68	0.005	SPLSR ≤ 0.04,Not required

WLAN Main 5G+WCDMA II



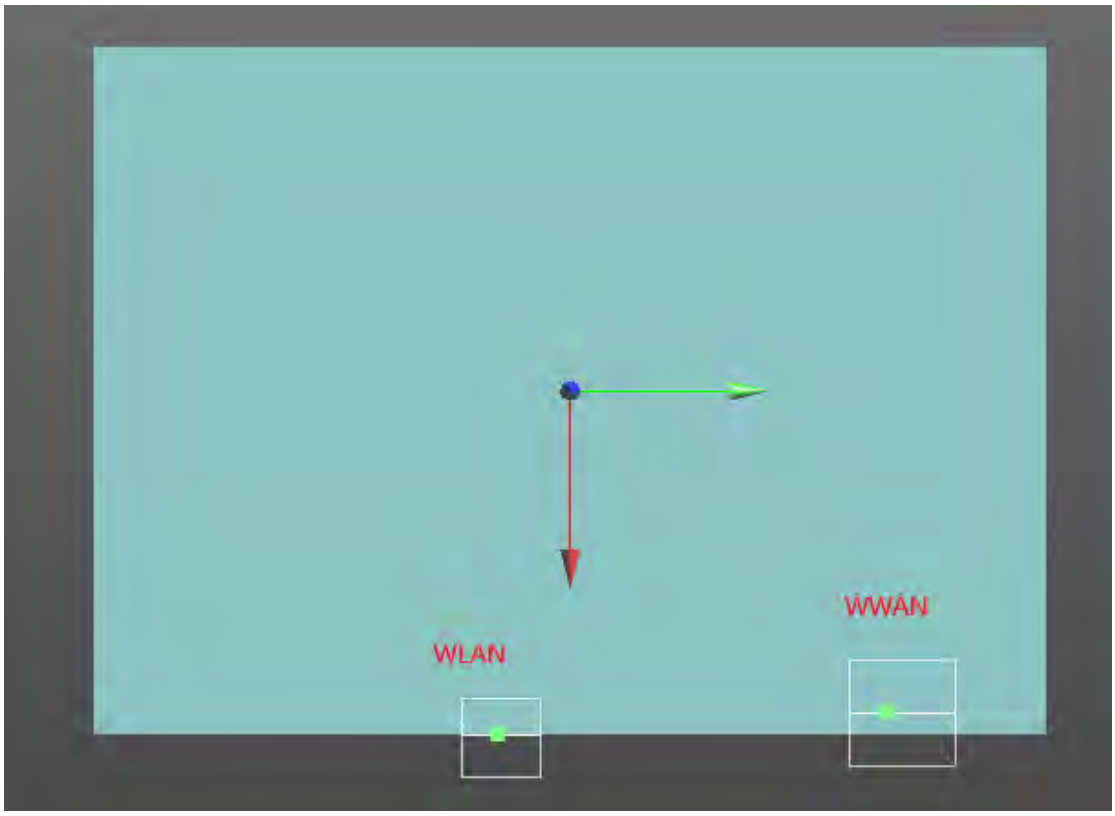
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WLAN Main 5G+WCDMA V



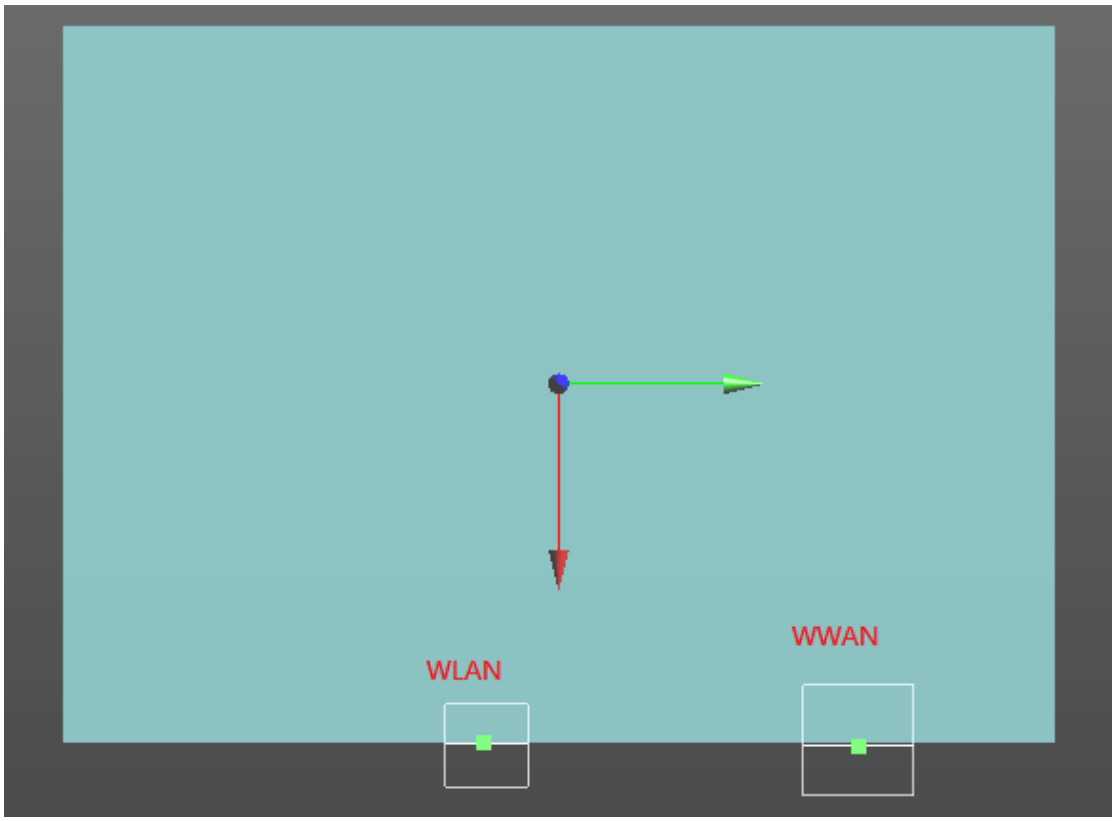
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WLAN Main 5G+LTE B2



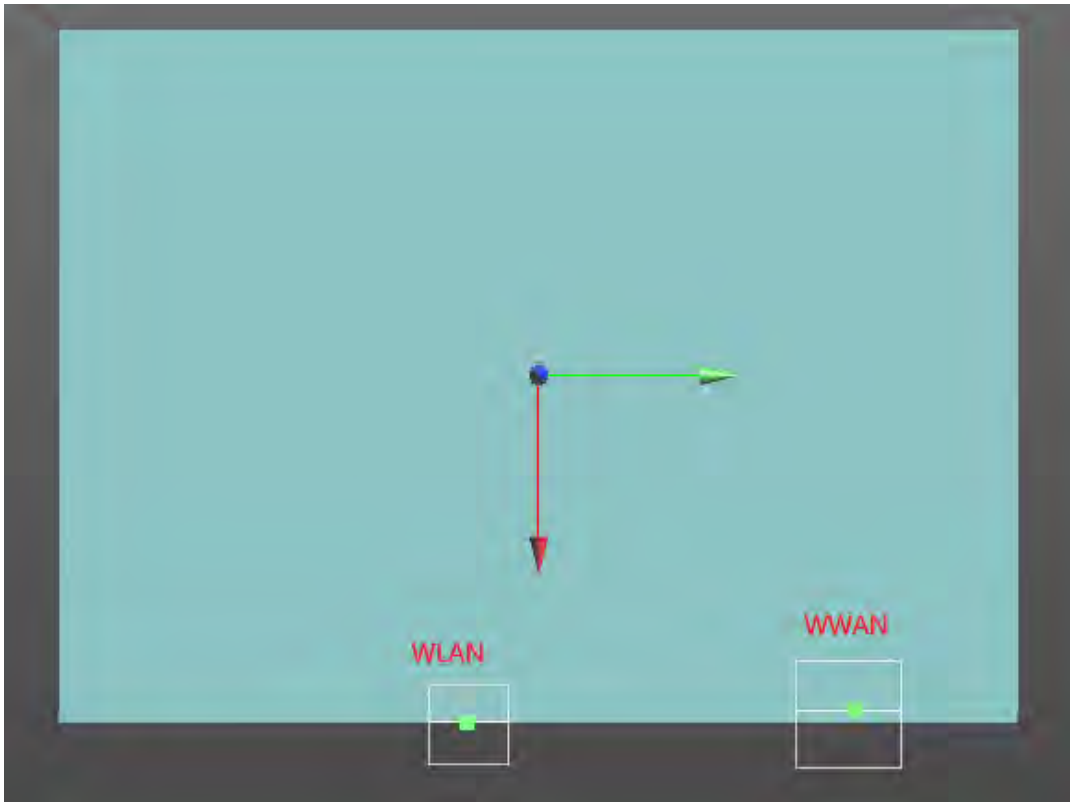
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WLAN Main 5G+LTE B4



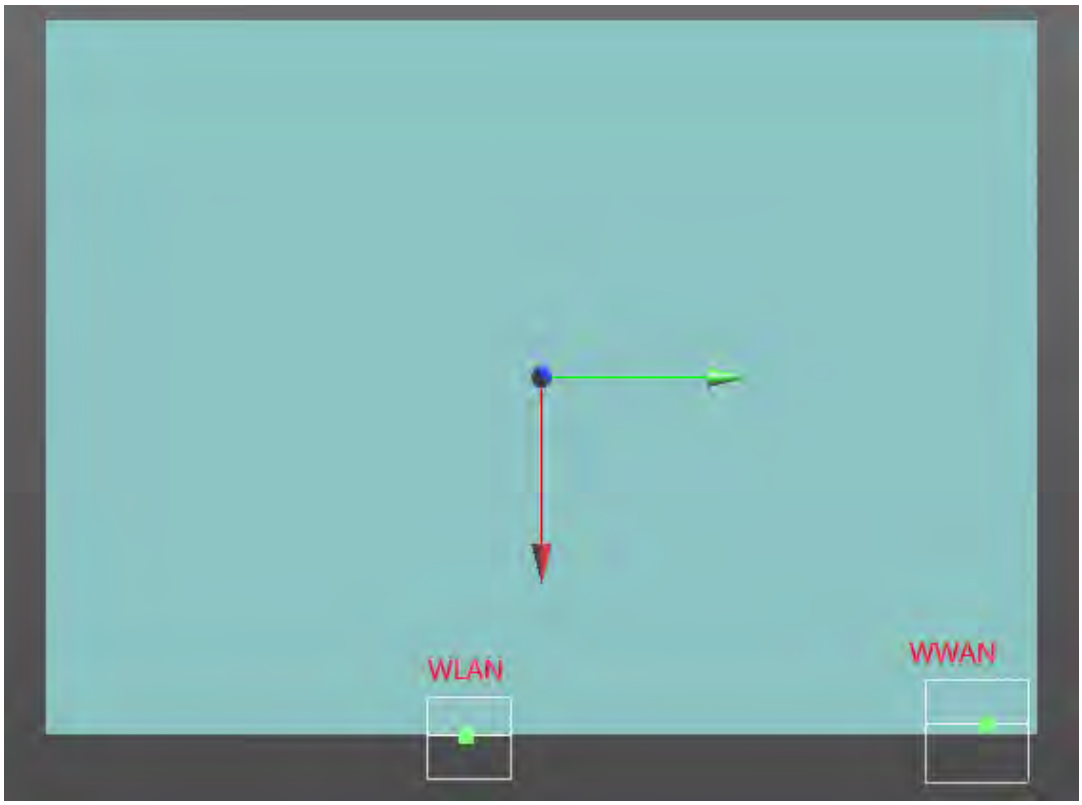
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WLAN Main 5G+LTE B5



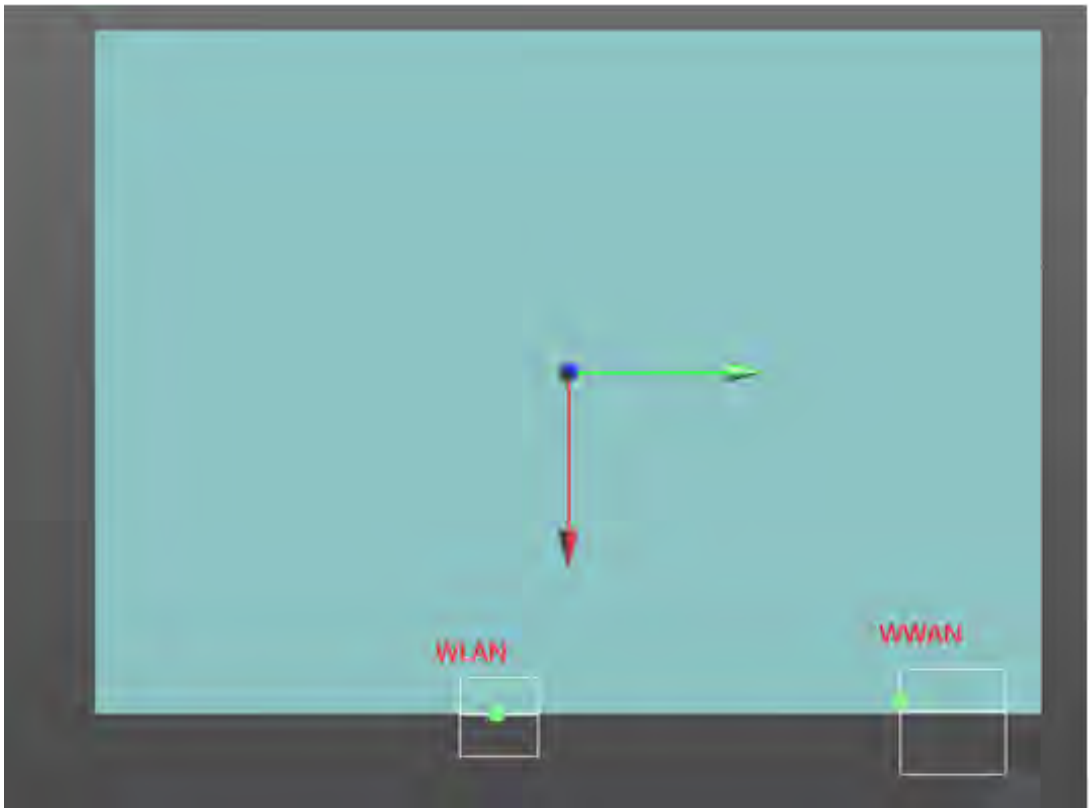
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WLAN Main 5G+LTE B7



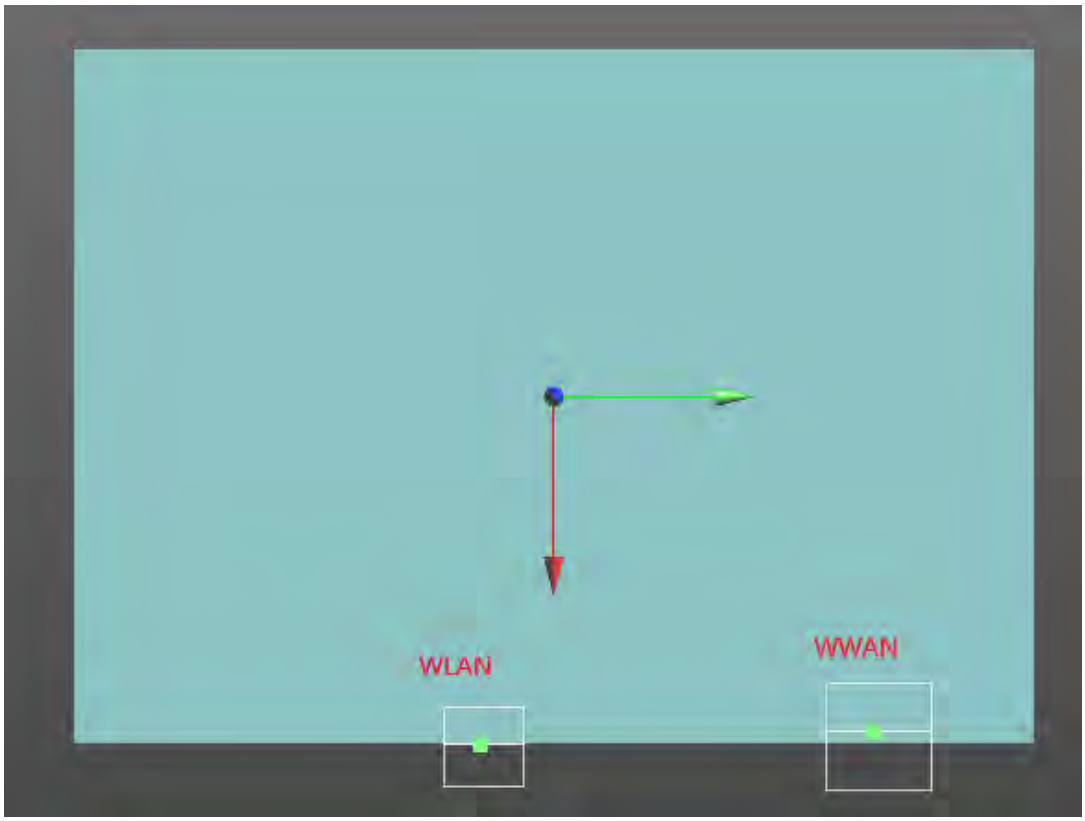
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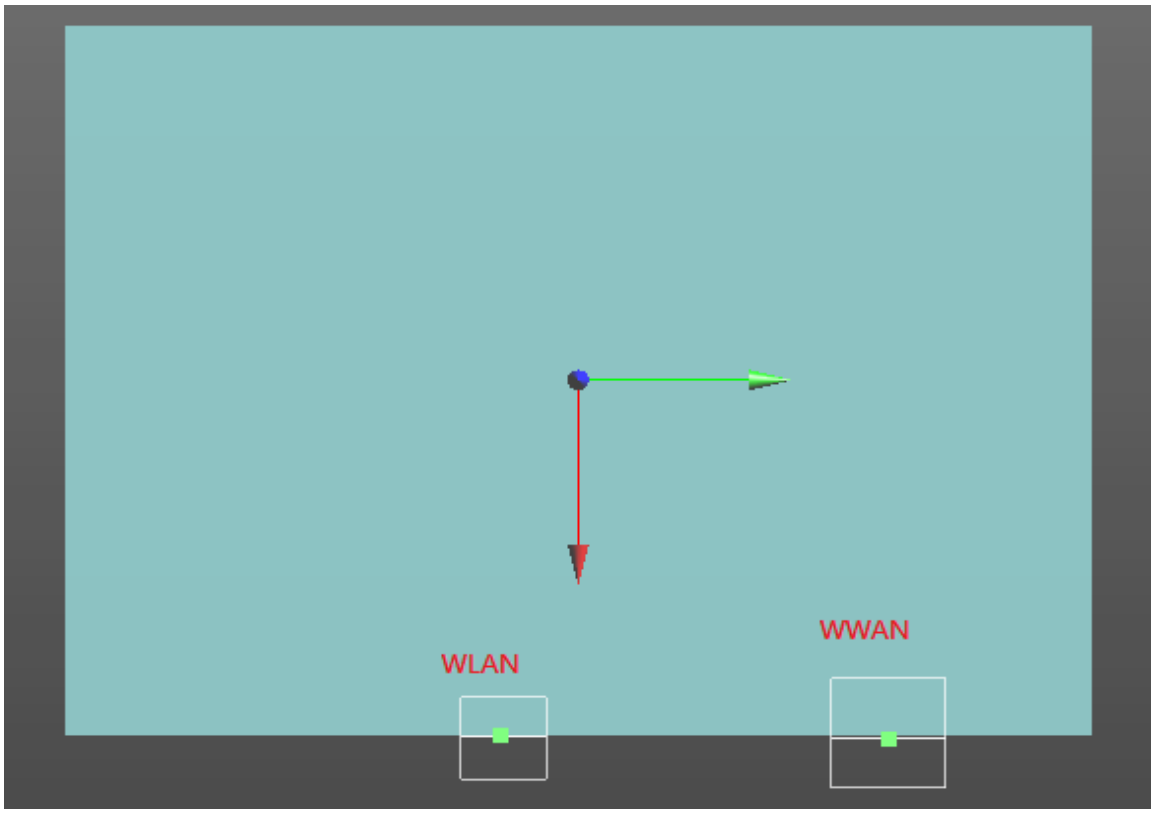
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WLAN Main 5G+LTE B14



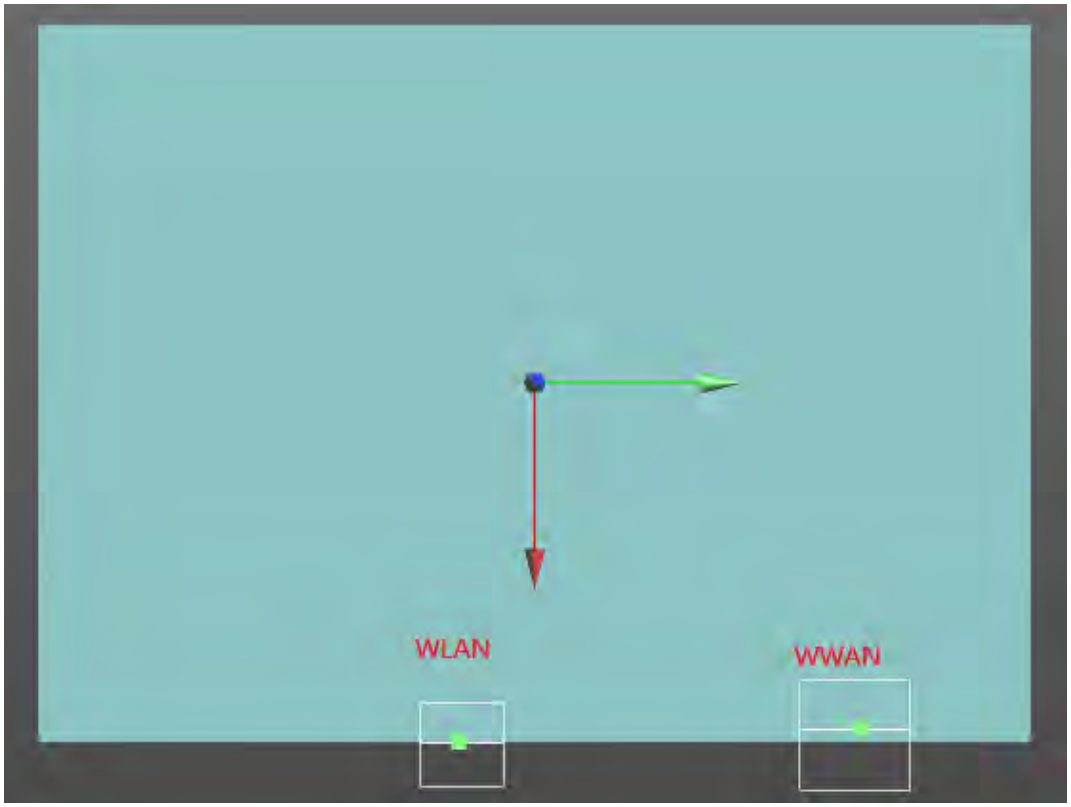
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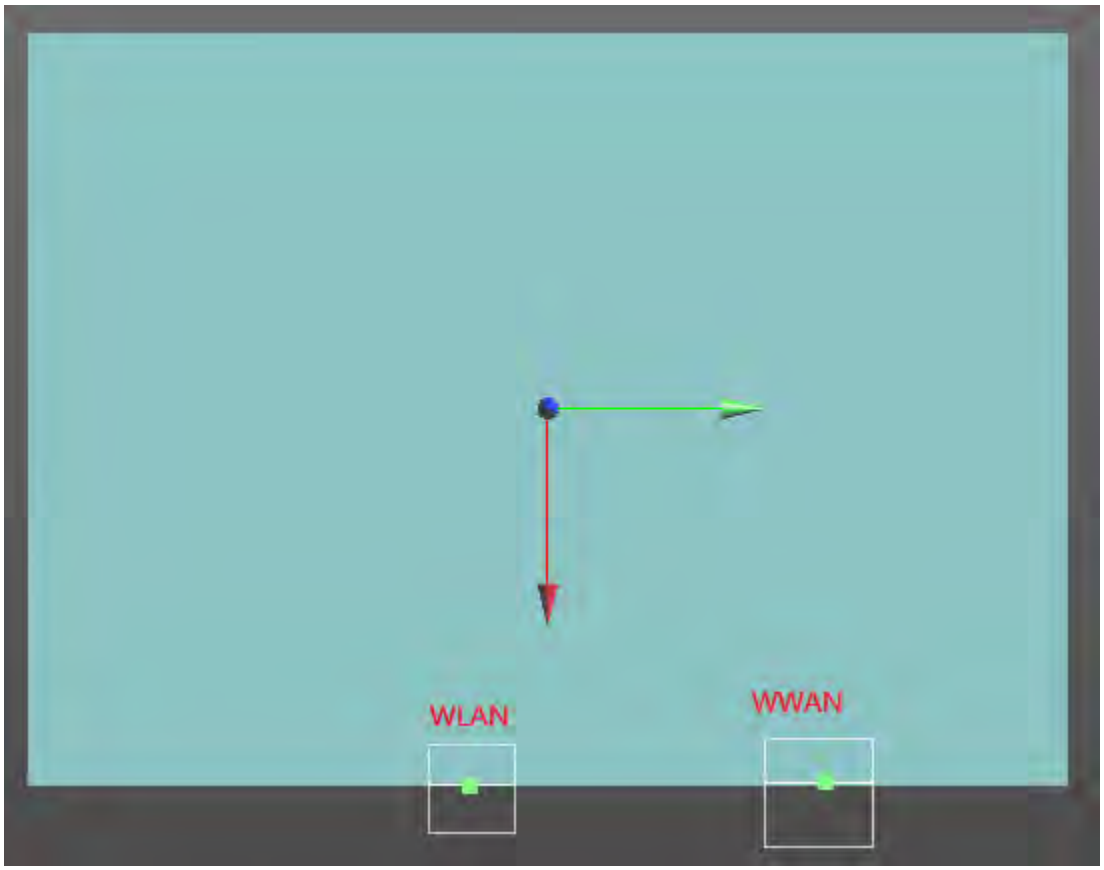
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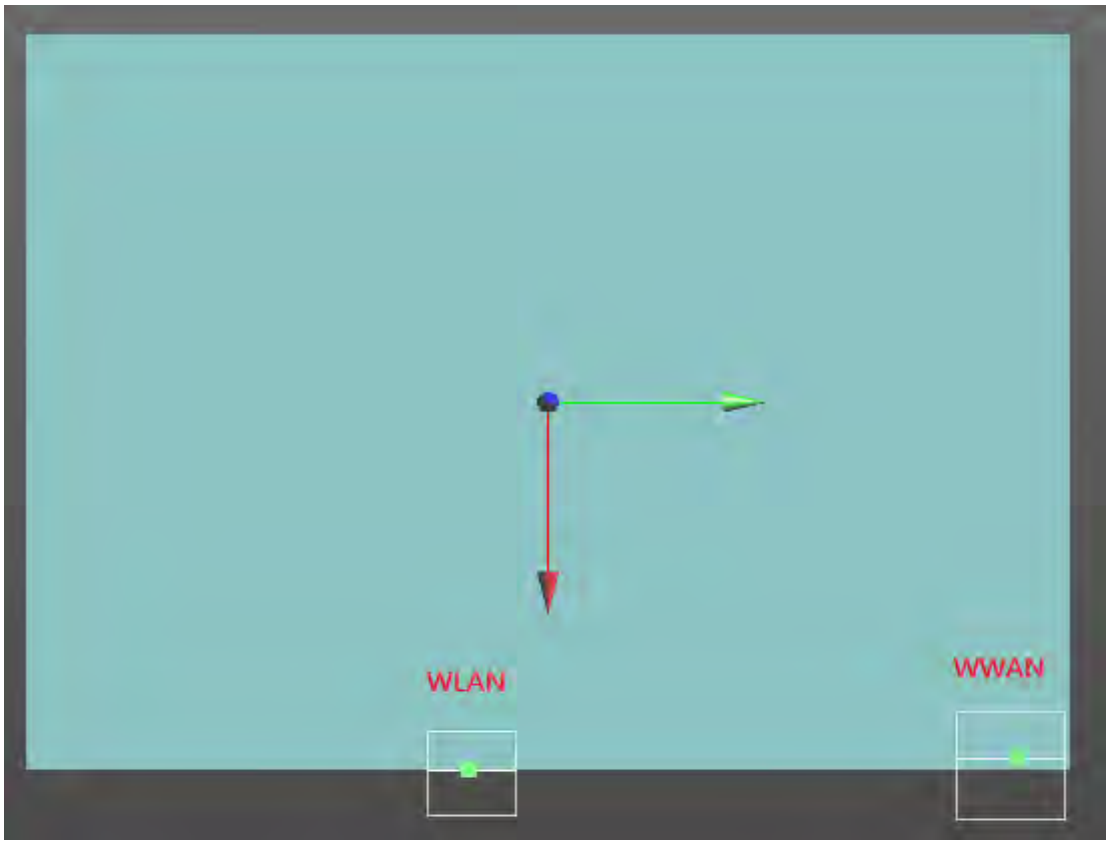
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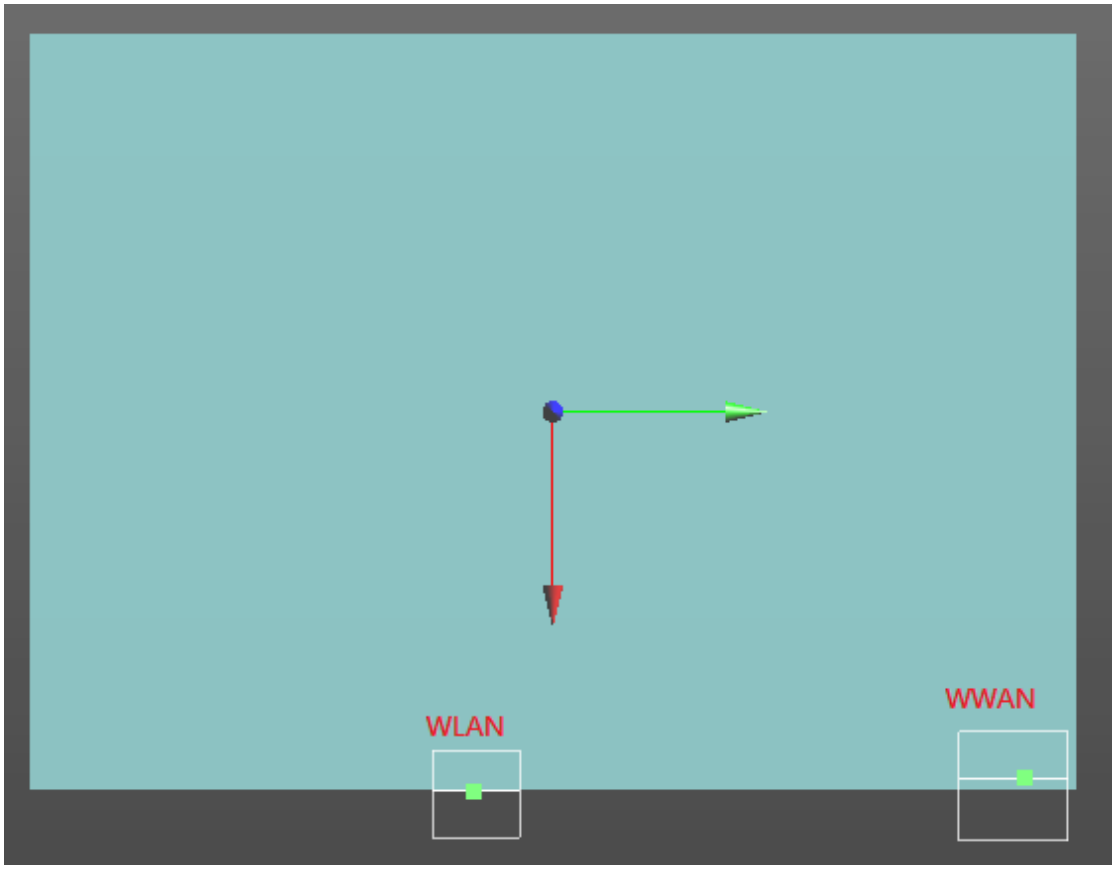
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WLAN Main 5G+LTE B38



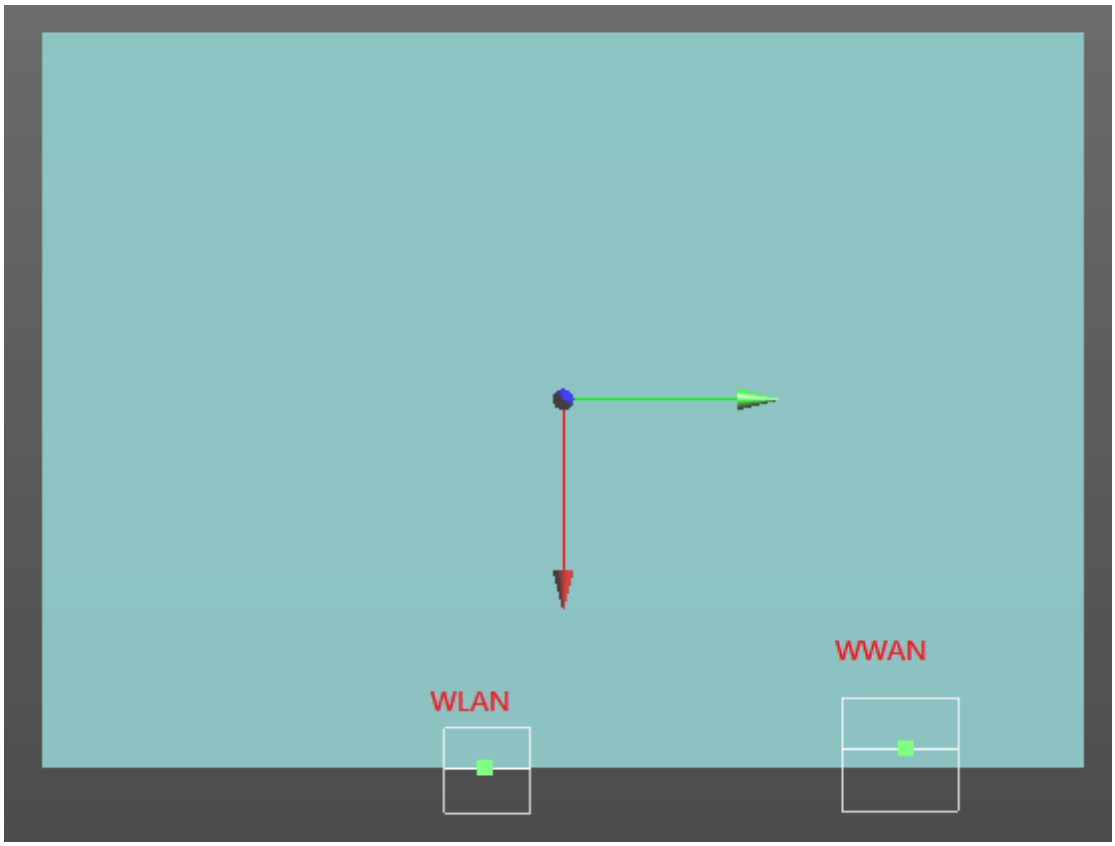
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WLAN Main 5G+LTE B41



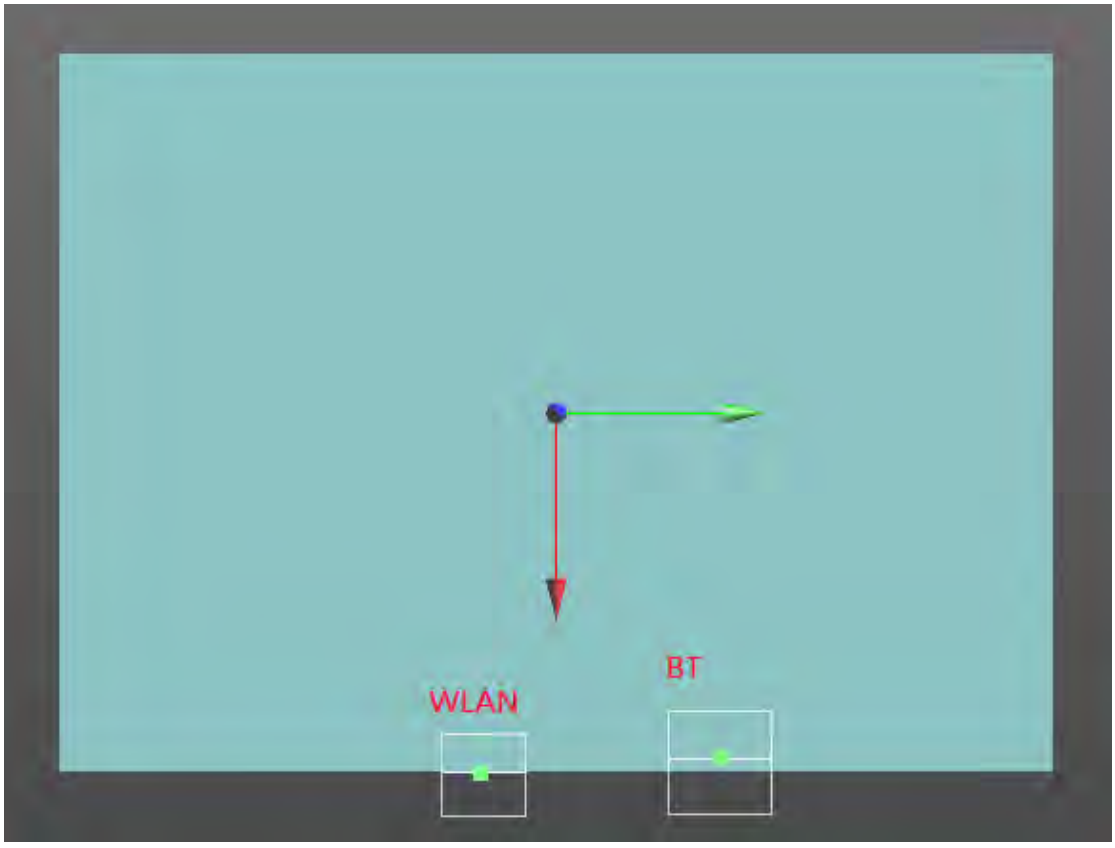
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WLAN Main 5G+LTE B66



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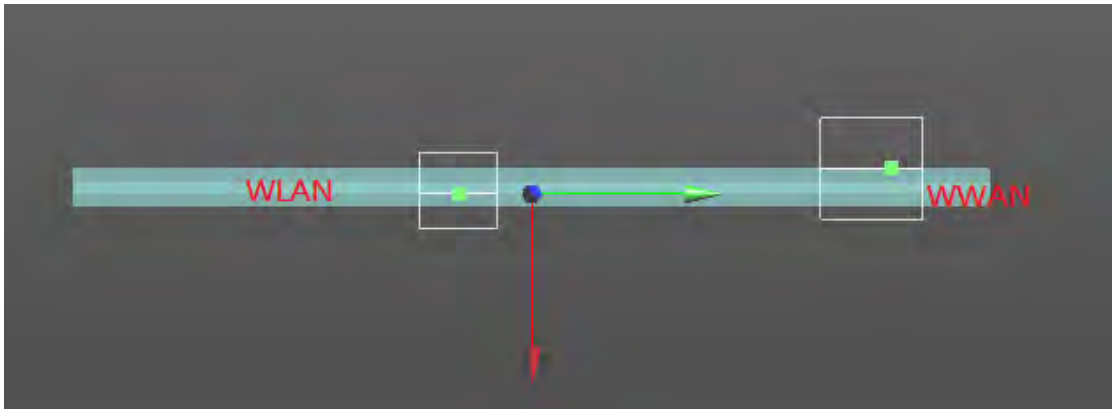
WLAN Main 5G+BT



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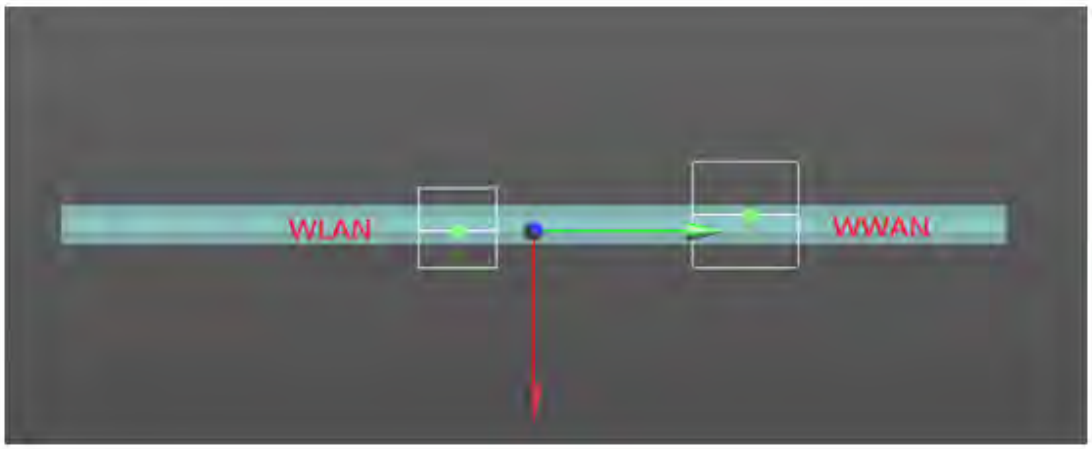
Scenario 4: WLAN Main 5G+WWAN&BT									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top Curve side	WLAN Main 5G	1.141	-0.20	-33.00	-5.10	-	-	-	-
	WCDMA Band II	0.346	-8.00	112.90	-4.75	1.486	146.11	0.012	SPLSR ≤ 0.04,Not required
	WCDMA Band V	0.377	-5.00	86.10	-5.15	1.517	119.20	0.016	SPLSR ≤ 0.04,Not required
	LTE Band 2	0.374	-6.70	108.60	-4.34	1.515	141.75	0.013	SPLSR ≤ 0.04,Not required
	LTE Band 4	0.515	-3.50	107.40	-4.90	1.655	140.44	0.015	SPLSR ≤ 0.04,Not required
	LTE Band 5	0.433	-5.30	80.60	-4.56	1.574	113.72	0.017	SPLSR ≤ 0.04,Not required
	LTE Band 7	0.678	-4.21	120.00	-4.52	1.819	153.05	0.016	SPLSR ≤ 0.04,Not required
	LTE Band 12	0.652	-7.00	92.10	-4.56	1.793	125.29	0.019	SPLSR ≤ 0.04,Not required
	LTE Band 13	0.381	-5.40	79.00	-4.57	1.521	112.12	0.017	SPLSR ≤ 0.04,Not required
	LTE Band 14	0.572	-5.40	83.90	-4.56	1.713	117.02	0.019	SPLSR ≤ 0.04,Not required
	LTE Band 25	0.355	-6.70	108.40	-4.36	1.495	141.55	0.013	SPLSR ≤ 0.04,Not required
	LTE Band 26_FCC	0.729	-5.40	91.20	-4.65	1.869	124.31	0.021	SPLSR ≤ 0.04,Not required
	LTE Band 30	0.727	-5.60	115.00	-4.29	1.868	148.10	0.017	SPLSR ≤ 0.04,Not required
	LTE Band 38	0.552	-4.40	121.60	-4.18	1.693	154.66	0.014	SPLSR ≤ 0.04,Not required
	LTE Band 41	0.535	-4.22	118.00	-4.60	1.675	151.05	0.014	SPLSR ≤ 0.04,Not required
	LTE Band 66	0.410	-3.50	96.30	-4.90	1.550	129.34	0.015	SPLSR ≤ 0.04,Not required
	BT	0.240	-4.20	63.60	-4.96	1.381	96.68	0.017	SPLSR ≤ 0.04,Not required

WLAN Main 5G+WCDMA II

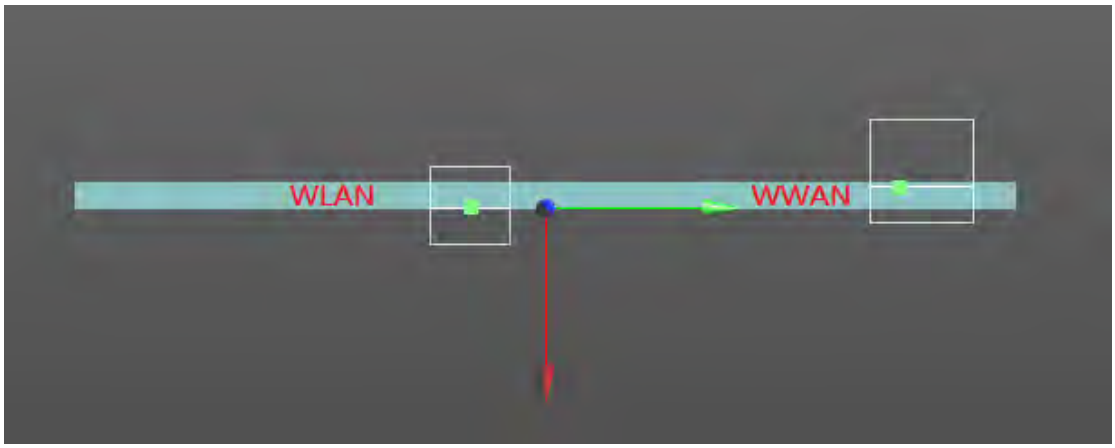


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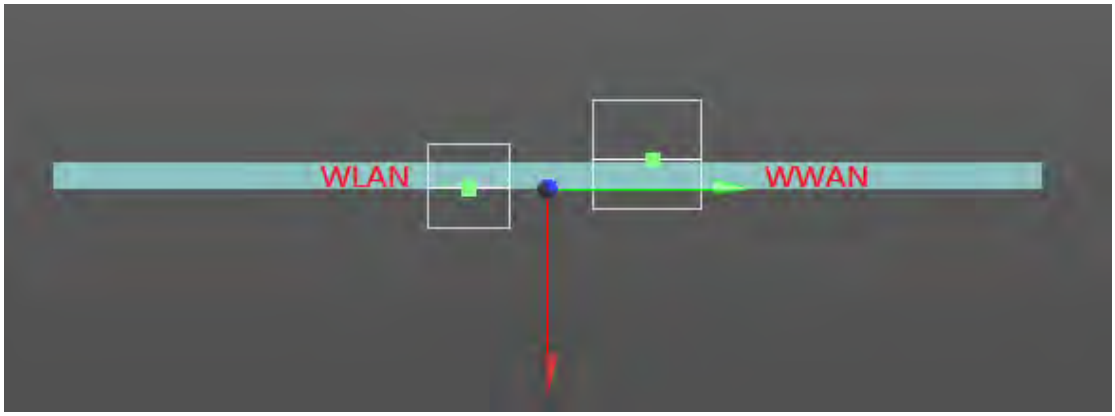
WLAN Main 5G+WCDMA V



WLAN Main 5G+LTE B2

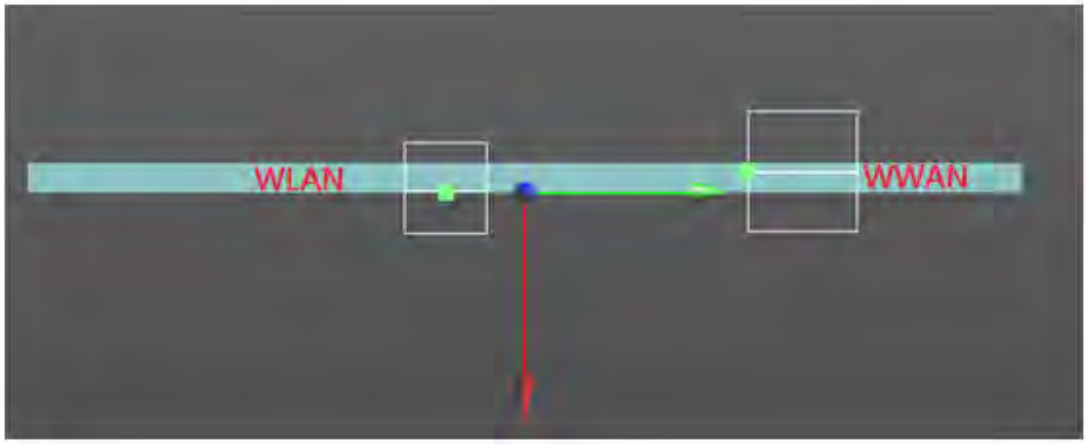


WLAN Main 5G+LTE B4

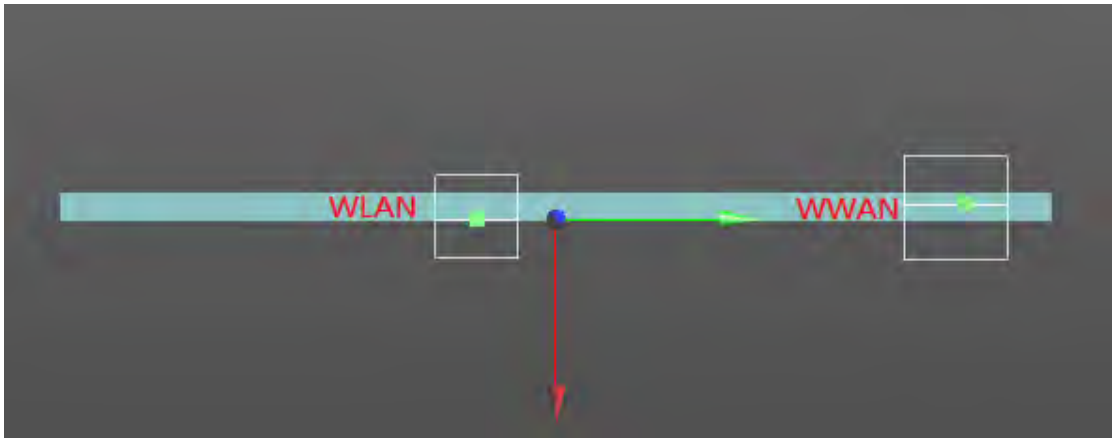


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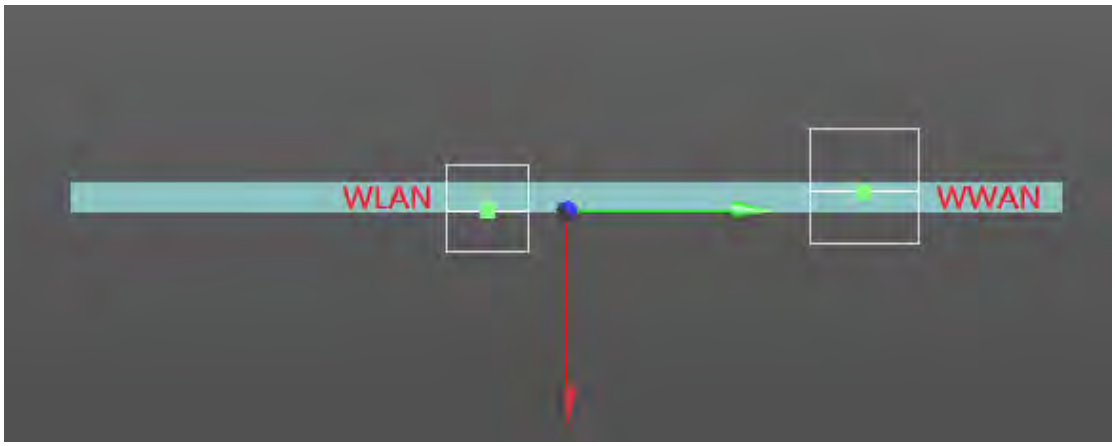
WLAN Main 5G+LTE B5



WLAN Main 5G+LTE B7

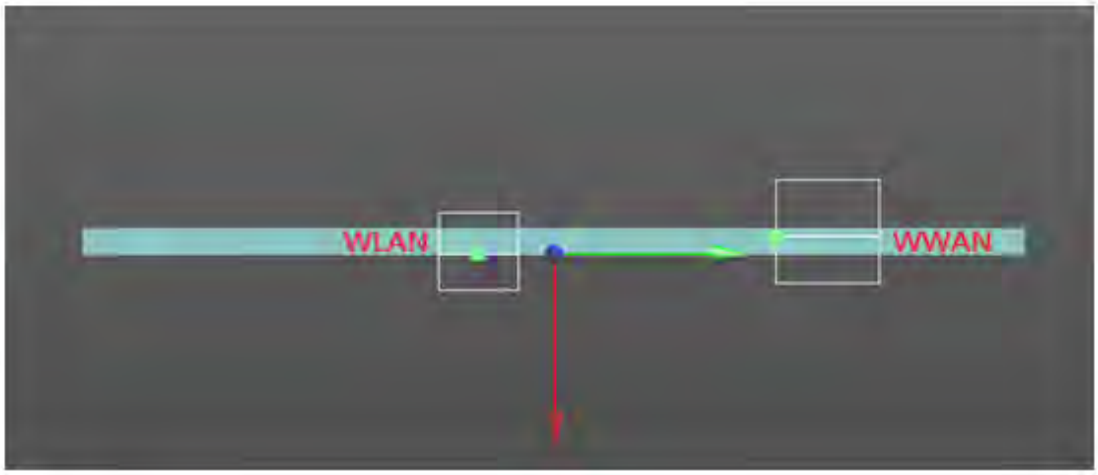


WLAN Main 5G+LTE B12

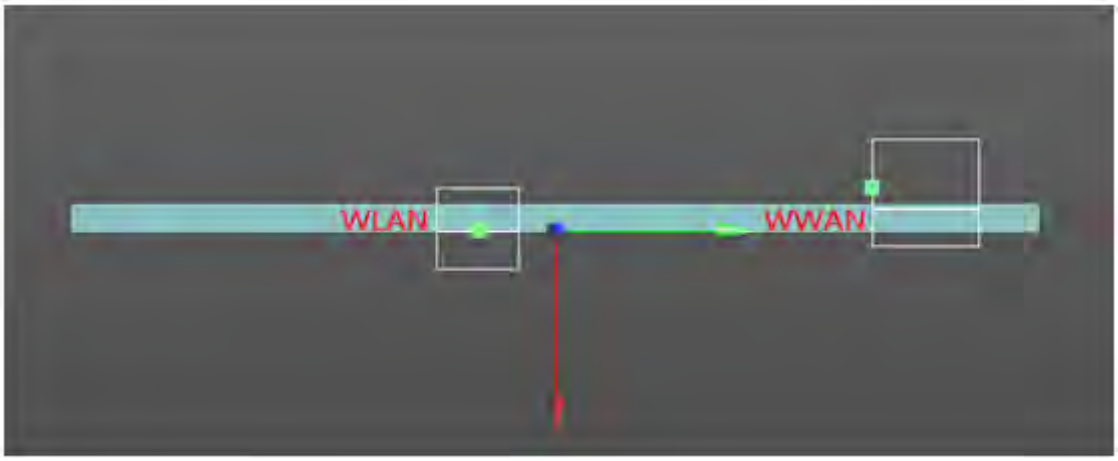


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WLAN Main 5G+LTE B13

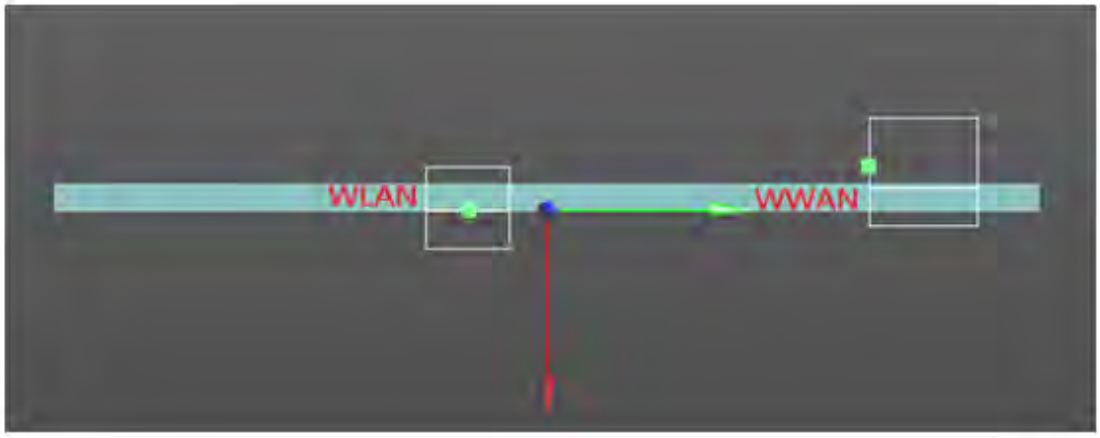


WLAN Main 5G+LTE B14

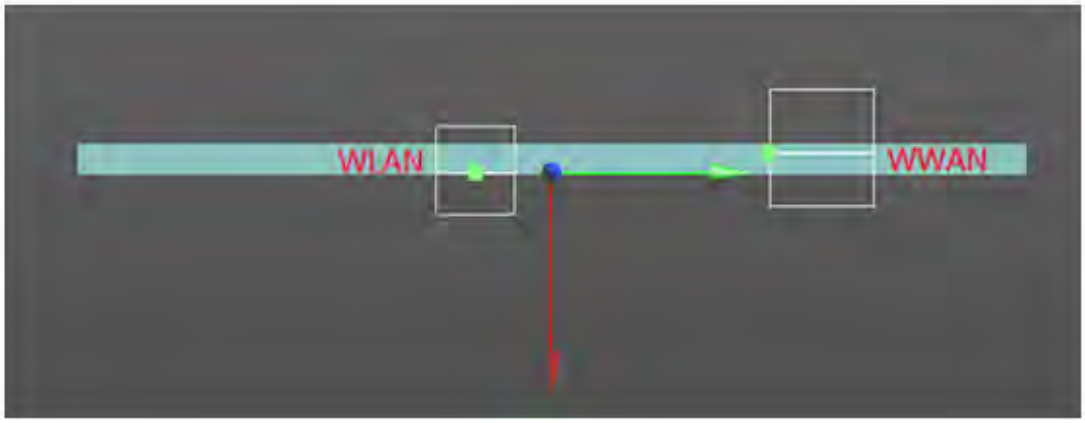


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WLAN Main 5G+LTE B25



WLAN Main 5G+LTE B26



WLAN Main 5G+LTE B30

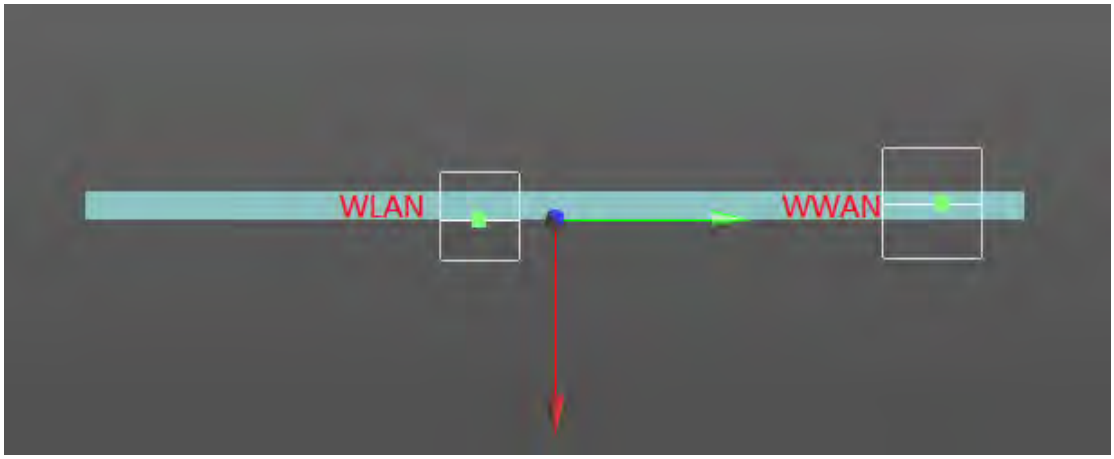


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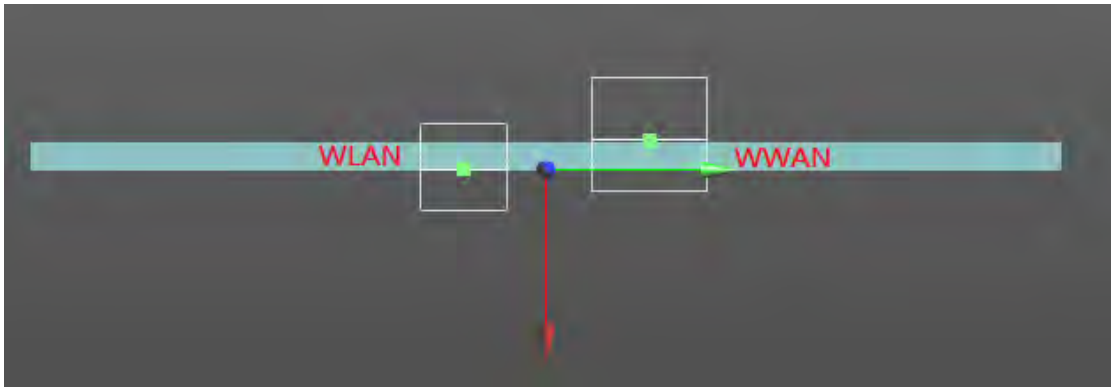
WLAN Main 5G+LTE B38



WLAN Main 5G+LTE B41

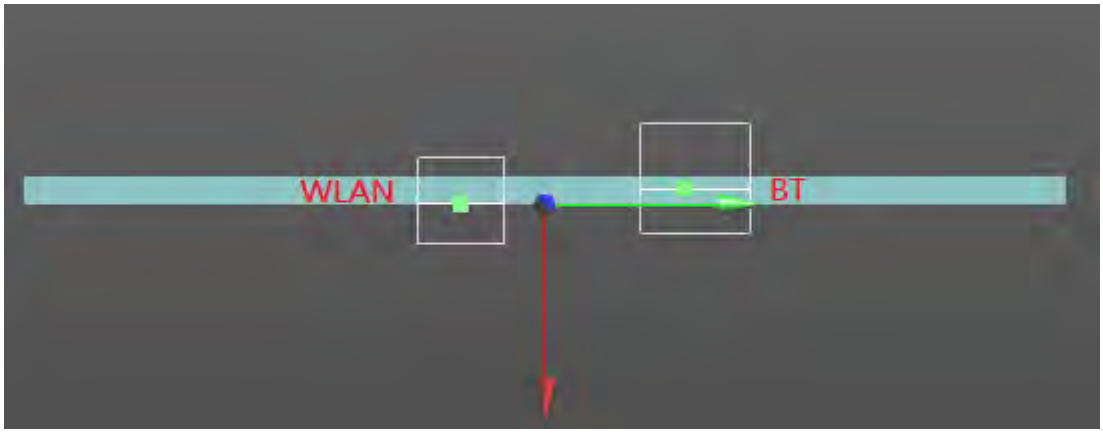


WLAN Main 5G+LTE B66



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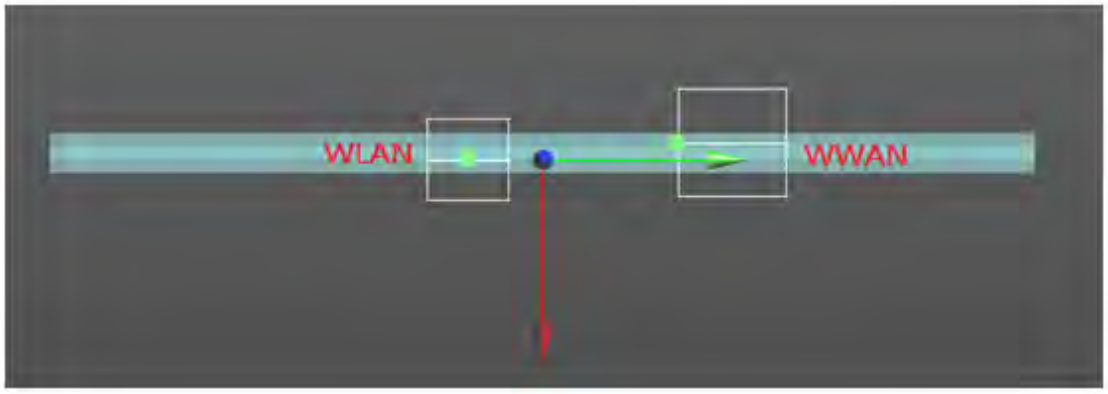
WLAN Main 5G+BT



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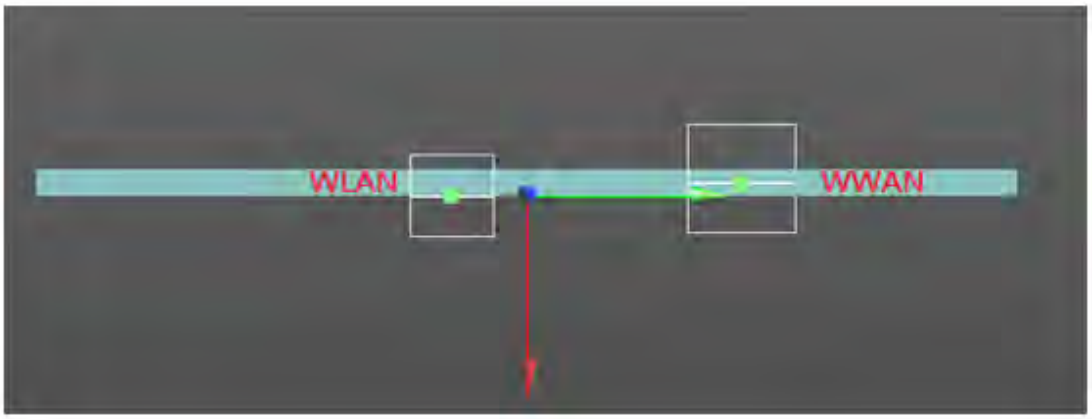
Scenario 4: WLAN Main 5G+WWAN&BT									
Position	Conditions	SAR Value (W/kg)	Coordinates (mm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top side	WLAN Main 5G	1.153	0.00	-32.80	4.46	-	-	-	-
	WCDMA Band II	0.367	-5.00	89.50	-4.88	1.520	122.76	0.015	SPLSR ≤ 0.04,Not required
	WCDMA Band V	0.348	-3.45	83.20	-4.81	1.502	116.42	0.016	SPLSR ≤ 0.04,Not required
	LTE Band 2	0.364	-5.40	85.50	-4.24	1.517	118.74	0.016	SPLSR ≤ 0.04,Not required
	LTE Band 4	0.478	-6.50	103.80	-4.86	1.632	137.07	0.015	SPLSR ≤ 0.04,Not required
	LTE Band 5	0.187	-5.40	84.60	-4.29	1.341	117.85	0.013	SPLSR ≤ 0.04,Not required
	LTE Band 7	0.647	-5.80	122.20	-4.64	1.800	155.38	0.016	SPLSR ≤ 0.04,Not required
	LTE Band 12	0.723	-5.40	91.50	-4.37	1.877	124.73	0.021	SPLSR ≤ 0.04,Not required
	LTE Band 13	0.124	-8.00	97.20	-4.80	1.278	130.57	0.011	SPLSR ≤ 0.04,Not required
	LTE Band 14	0.297	-5.30	89.00	-4.41	1.450	122.24	0.014	SPLSR ≤ 0.04,Not required
	LTE Band 25	0.386	-5.40	77.10	-4.46	1.539	110.39	0.017	SPLSR ≤ 0.04,Not required
	LTE Band 26_FCC	0.442	-5.40	83.00	-4.47	1.595	116.27	0.017	SPLSR ≤ 0.04,Not required
	LTE Band 30	0.624	-5.60	116.00	-4.18	1.778	149.16	0.016	SPLSR ≤ 0.04,Not required
	LTE Band 38	0.595	-3.20	121.60	-4.13	1.749	154.67	0.015	SPLSR ≤ 0.04,Not required
	LTE Band 41	0.562	-4.40	119.20	-4.14	1.716	152.31	0.015	SPLSR ≤ 0.04,Not required
	LTE Band 66	0.412	-6.50	102.20	-4.89	1.565	135.48	0.014	SPLSR ≤ 0.04,Not required
	BT	0.181	-1.60	64.40	-4.69	1.335	97.64	0.016	SPLSR ≤ 0.04,Not required

WLAN Main 5G+WCDMA II

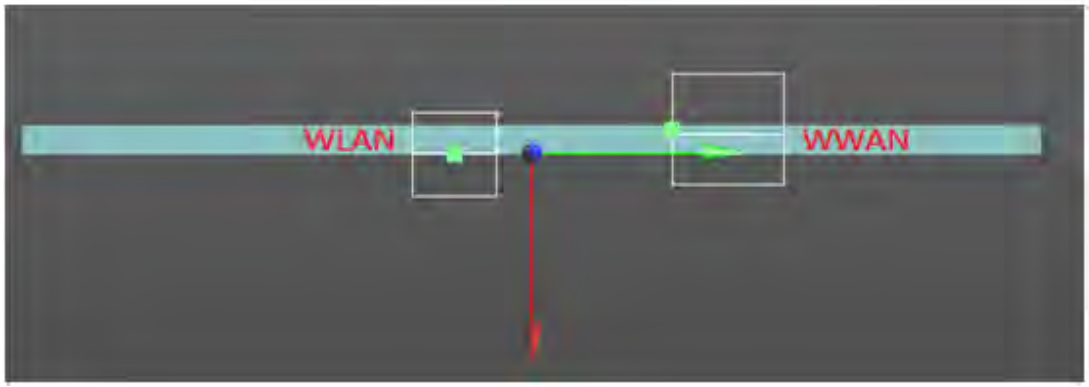


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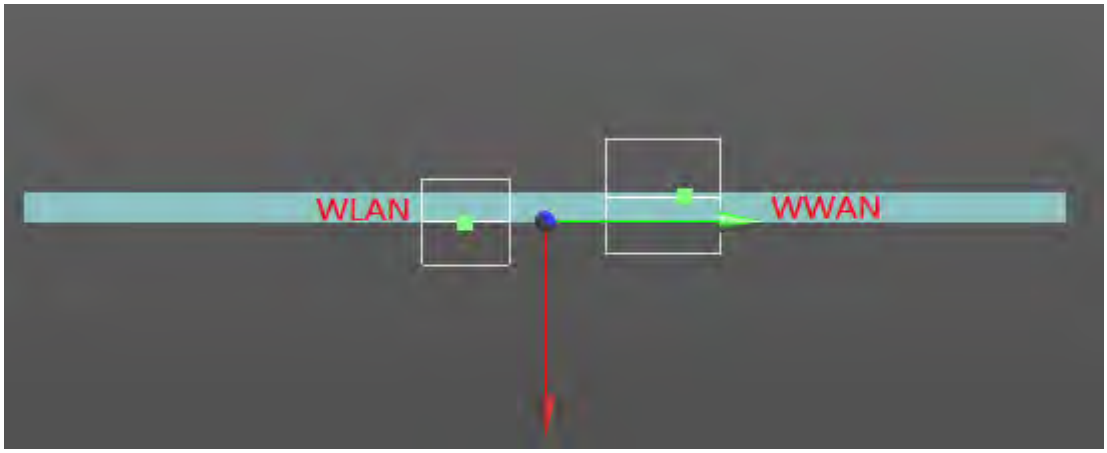
WLAN Main 5G+WCDMA V



WLAN Main 5G+LTE B2



WLAN Main 5G+LTE B4

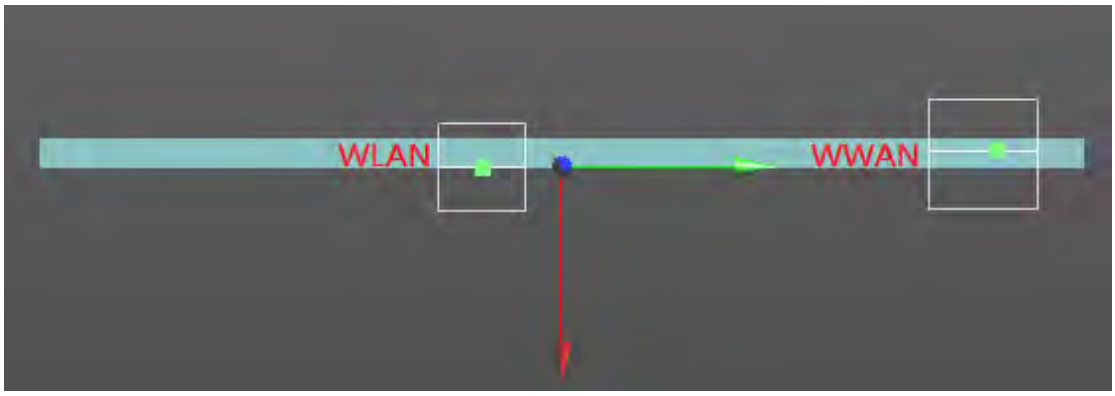


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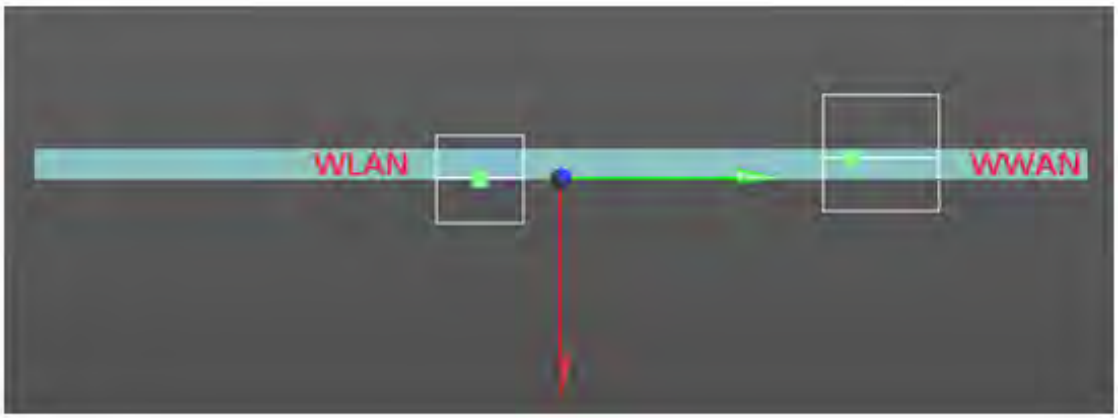
WLAN Main 5G+LTE B5



WLAN Main 5G+LTE B7

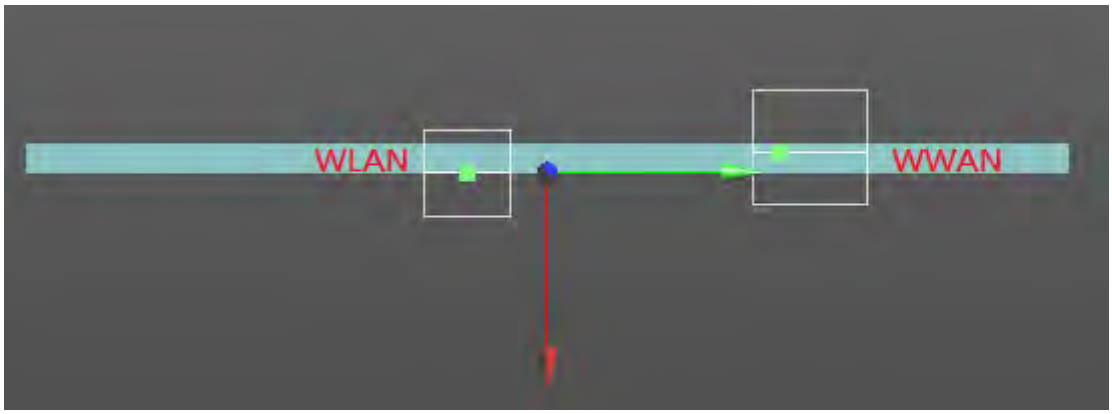


WLAN Main 5G+LTE B12

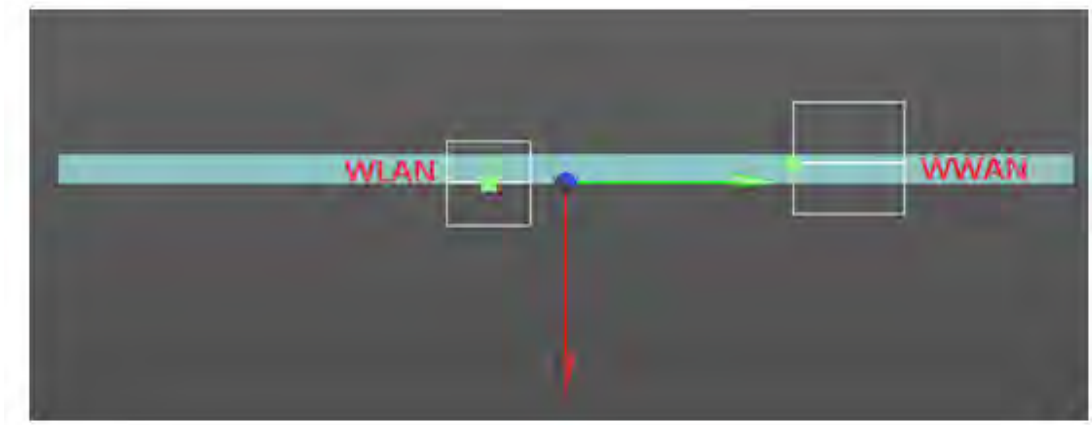


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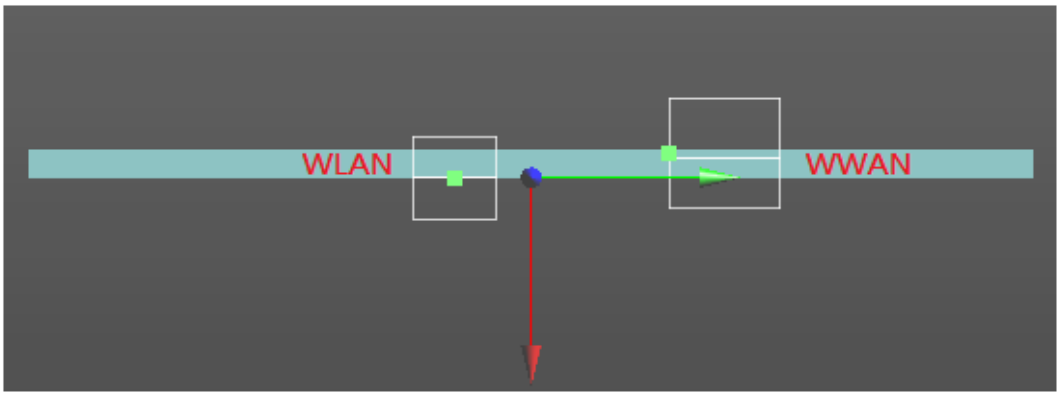
WLAN Main 5G+LTE B13



WLAN Main 5G+LTE B14

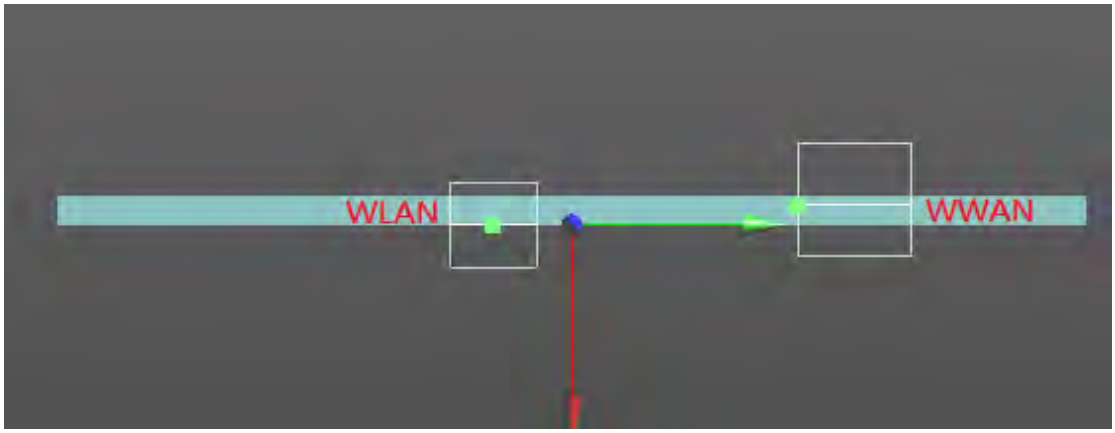


WLAN Main 5G+LTE B25

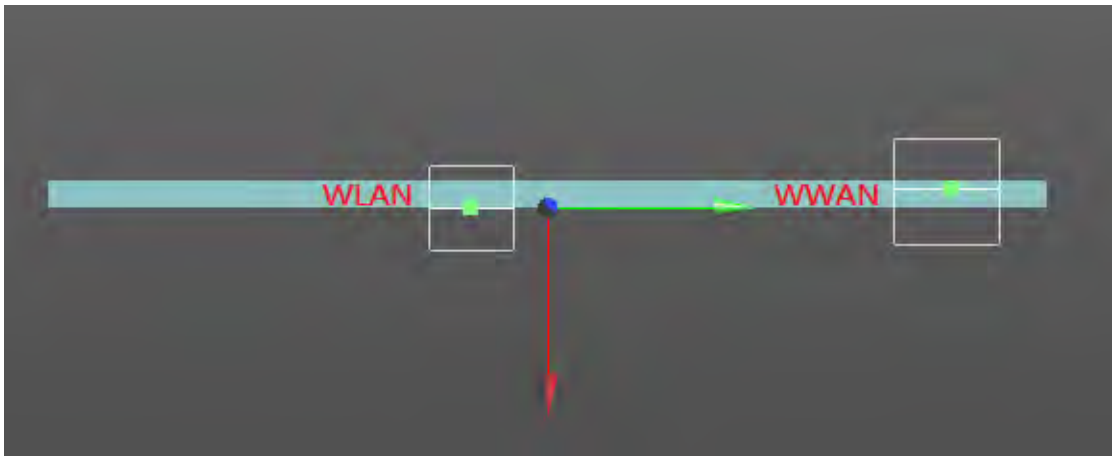


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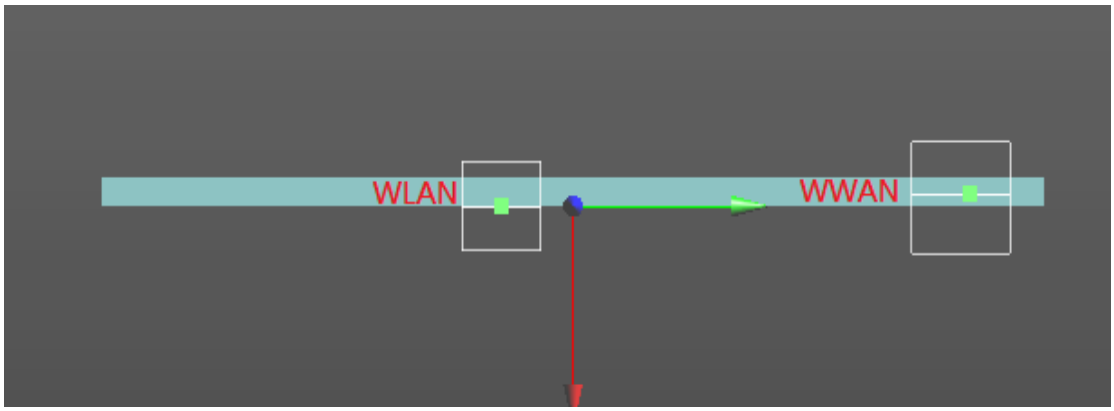
WLAN Main 5G+LTE B26



WLAN Main 5G+LTE B30



WLAN Main 5G+LTE B38

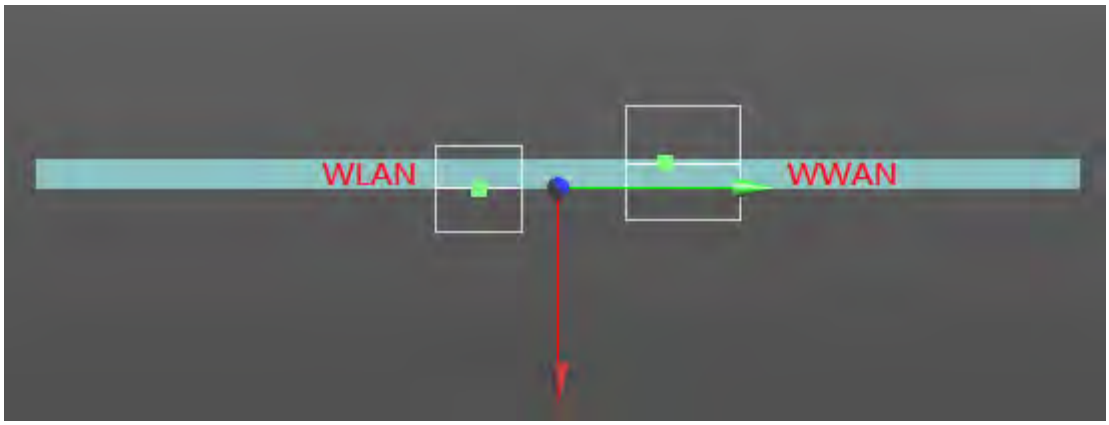


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WLAN Main 5G+LTE B41



WLAN Main 5G+LTE B66



WLAN Main 5G+BT



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Conclusion:

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

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4. Instruments List

Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field Probe	EX3DV4	7509	Apr.26,2021	Apr.25,2022
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.15,2021	Apr.14,2022
		D2300V2	1023	Aug.13,2020	Aug.12,2021
		D2450V2	727	Apr.14,2021	Apr.13,2022
		D2600V2	1005	Jan.22,2021	Jan.21,2022
		D5GHzV2	1023	Jan.26,2021	Jan.25,2022
SPEAG	Data acquisition Electronics	DAE4	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	Feb.17,2021	Feb.16,2022
Agilent	Dual-directional coupler	772D	MY52180142	Oct.06,2020	Oct.05,2021
		778D	MY52180302	Oct.06,2020	Oct.05,2021
Agilent	Signal Generator	N5181A	MY50145142	Dec.27,2020	Dec.26,2021
Agilent	Power Meter	E4417A	MY51410006	Mar.23,2021	Mar.22,2022
Agilent	Power Sensor	E9301H	MY51470001	Mar.23,2021	Mar.22,2022
			MY51470002	Mar.23,2021	Mar.22,2022

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Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
TECPEL	Digital thermometer	DTM-303A	TP190085	Dec.22,2020	Dec.14,2021
Anritsu	Radio Communication Test	MT8821C	6262044739	Dec.02.2020	Dec.01.2021

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5. Measurements

Date: 2021/7/16

Report No. : E5/2021/50015
WCDMA Band II_Body_Bottom side_CH 9400_0mm

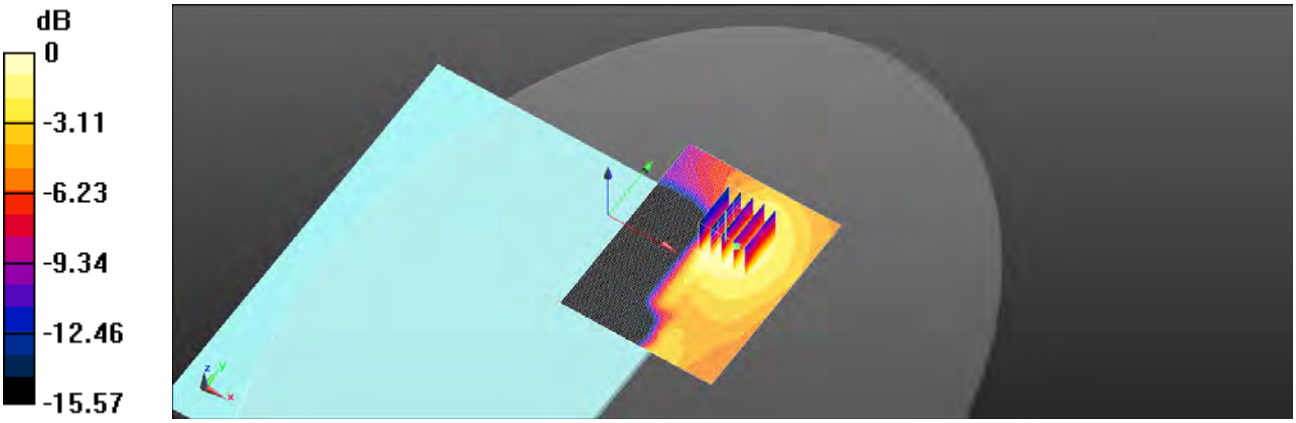
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 39.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0366 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.397 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0560 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.017 W/kg
Smallest distance from peaks to all points 3 dB below = 11.1 mm
Ratio of SAR at M2 to SAR at M1 = 57%
Maximum value of SAR (measured) = 0.0405 W/kg



0 dB = 0.0405 W/kg = -13.92 dBW/kg

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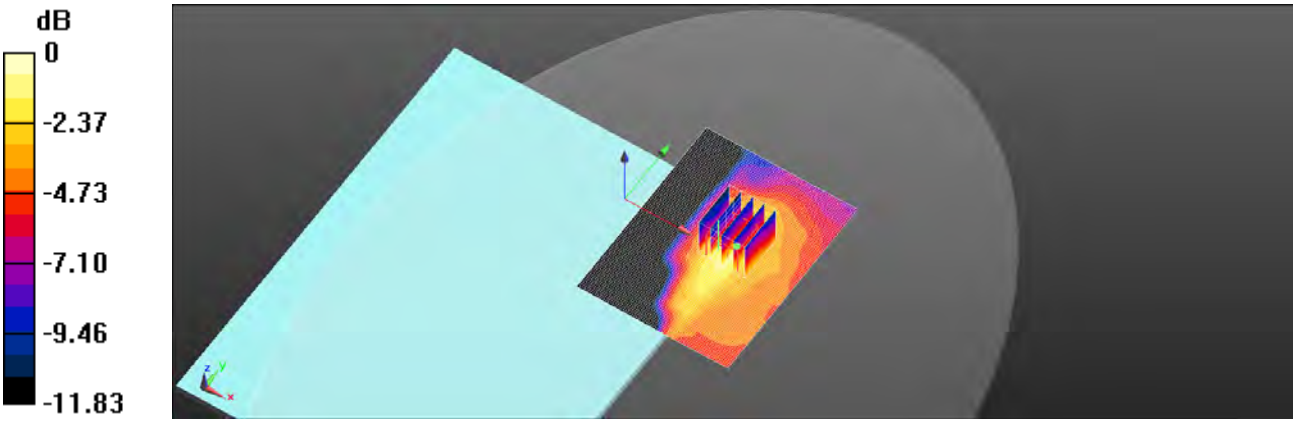
Report No. : E5/2021/50015
WCDMA Band V_Body_Bottom side_CH 4183_0mm
Communication System: WCDMA; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.907 S/m; ε_r = 41.357; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0174 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.144 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0310 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00909 W/kg
Smallest distance from peaks to all points 3 dB below = 12.6 mm
Ratio of SAR at M2 to SAR at M1 = 59.6%
Maximum value of SAR (measured) = 0.0219 W/kg



0 dB = 0.0219 W/kg = -16.59 dBW/kg

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Date: 2021/7/16

Report No. : E5/2021/50015

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

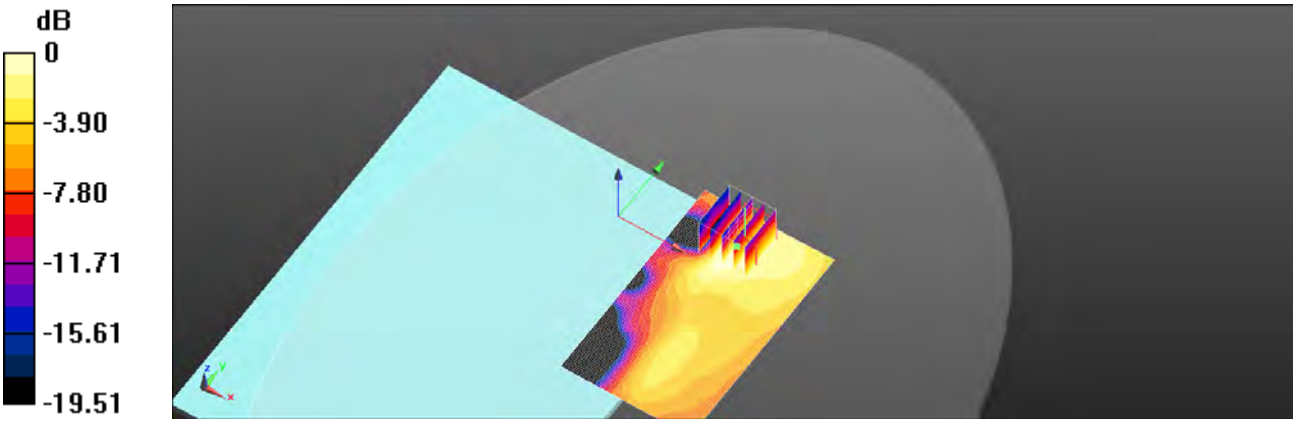
Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.397 S/m; ε_r = 39.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0369 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.268 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0440 W/kg
SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.015 W/kg
Smallest distance from peaks to all points 3 dB below = 15.7 mm
Ratio of SAR at M2 to SAR at M1 = 54.2%
Maximum value of SAR (measured) = 0.0336 W/kg



0 dB = 0.0336 W/kg = -14.73 dBW/kg

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Date: 2021/7/15

Report No. : E5/2021/50015

LTE Band 4 (20MHz)_Body_Bottom side_CH 20175_QPSK_1-0_0mm

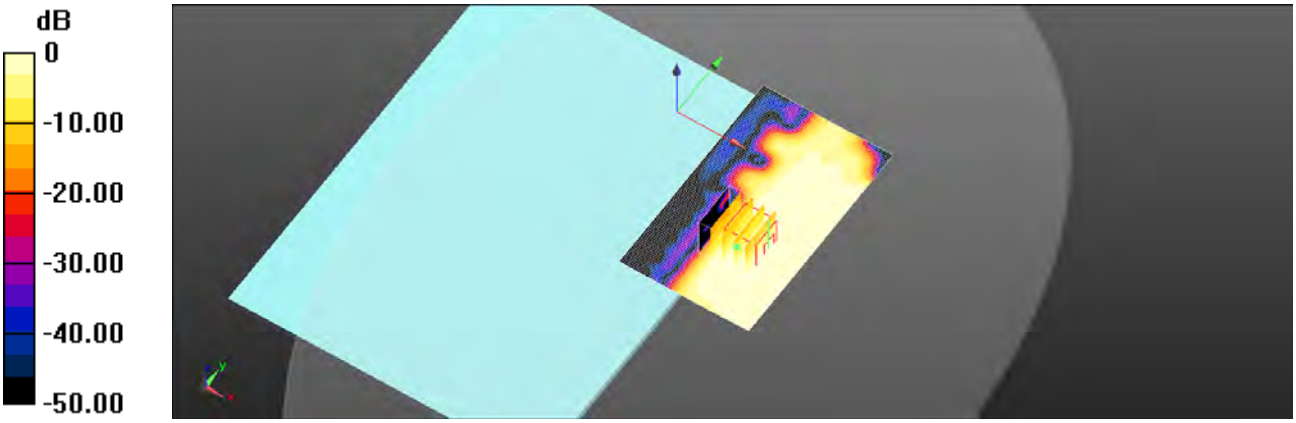
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 39.916; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.11, 9.11, 9.11); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0176 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.8410 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0170 W/kg
SAR(1 g) = 0.00887 W/kg; SAR(10 g) = 0.00555 W/kg
Smallest distance from peaks to all points 3 dB below = 17.6 mm
Ratio of SAR at M2 to SAR at M1 = 60.4%
Maximum value of SAR (measured) = 0.0116 W/kg



0 dB = 0.0116 W/kg = -19.36 dBW/kg

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Date: 2021/7/13

Report No. : E5/2021/50015

LTE Band 5 (10MHz)_Body_Bottom side_CH 20525_QPSK_1-0_0mm

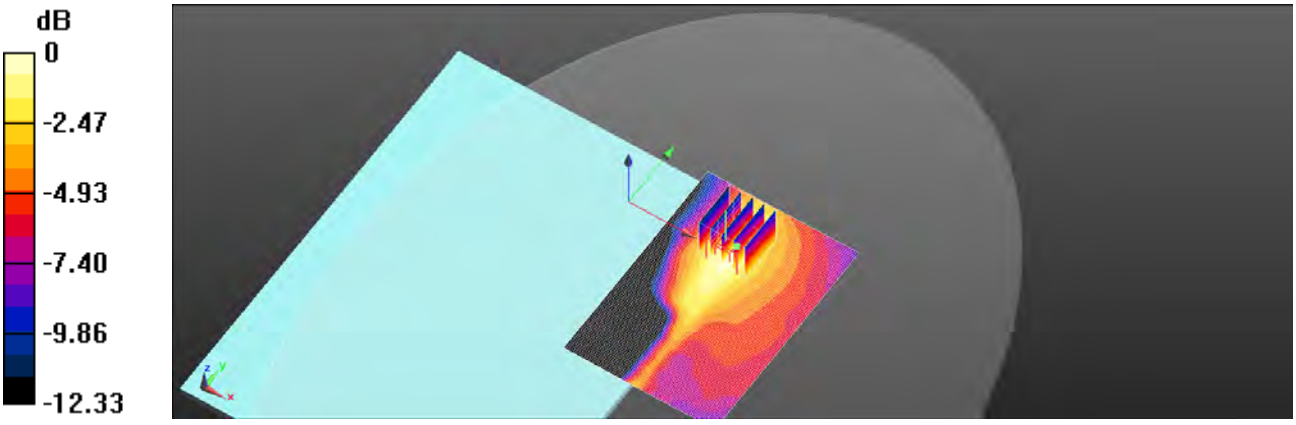
Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.907 S/m; ε_r = 41.361; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0180 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.878 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0290 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00978 W/kg
Smallest distance from peaks to all points 3 dB below = 21.3 mm
Ratio of SAR at M2 to SAR at M1 = 53.9%
Maximum value of SAR (measured) = 0.0202 W/kg



0 dB = 0.0202 W/kg = -16.94 dBW/kg

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Report No. : E5/2021/50015

LTE Band 7 (20MHz)_Body_Bottom side_CH 21350_QPSK_1-0_0mm

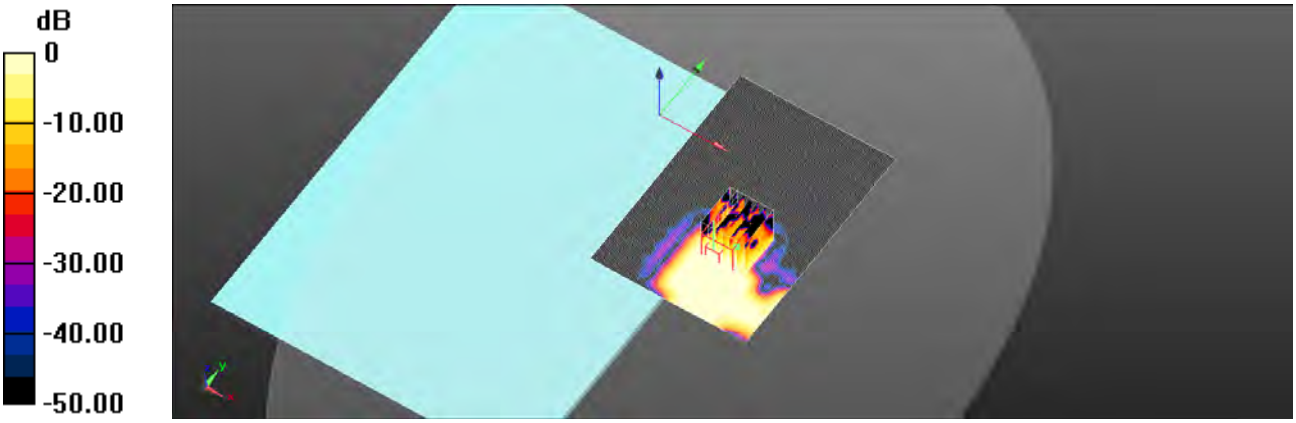
Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.899 S/m; ε_r = 38.87; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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 (91x131x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0197 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.255 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0170 W/kg
SAR(1 g) = 0.00715 W/kg; SAR(10 g) = 0.00254 W/kg
Smallest distance from peaks to all points 3 dB below = 10.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.2%
Maximum value of SAR (measured) = 0.0117 W/kg



0 dB = 0.0117 W/kg = -19.33 dBW/kg

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Date: 2021/7/11

Report No. : E5/2021/50015

LTE Band 12 (10MHz)_Body_Bottom side_CH 23060_QPSK_1-0_0mm

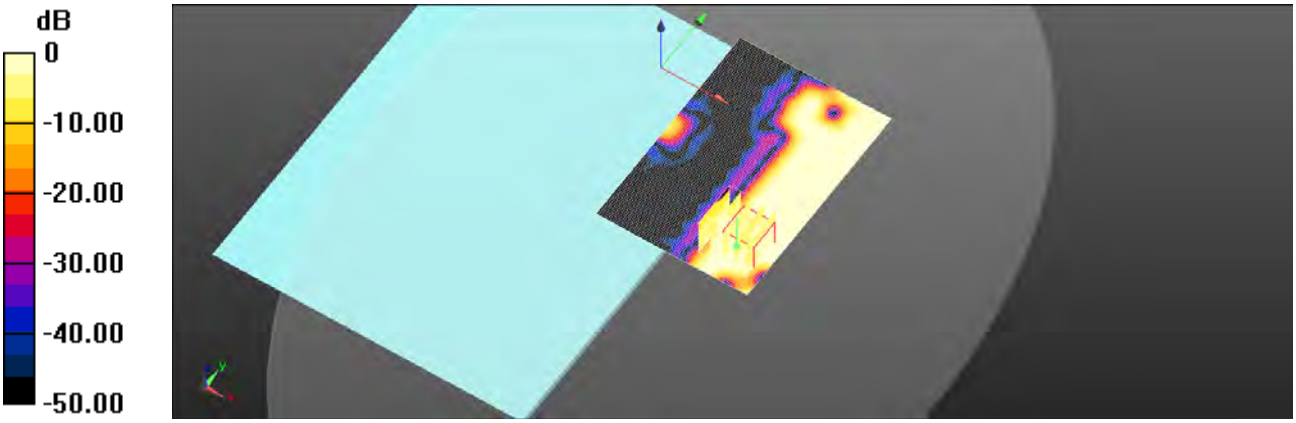
Communication System: LTE; Frequency: 704 MHz; Duty Cycle: 1:1
Medium parameters used: f = 704 MHz; σ = 0.886 S/m; ε_r = 41.991; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.00360 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.222 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.00290 W/kg
SAR(1 g) = 0.000777 W/kg; SAR(10 g) = 0.000258 W/kg
Smallest distance from peaks to all points 3 dB below = 9.9 mm
Ratio of SAR at M2 to SAR at M1 = 55.9%
Maximum value of SAR (measured) = 0.00121 W/kg



0 dB = 0.00121 W/kg = -29.16 dBW/kg

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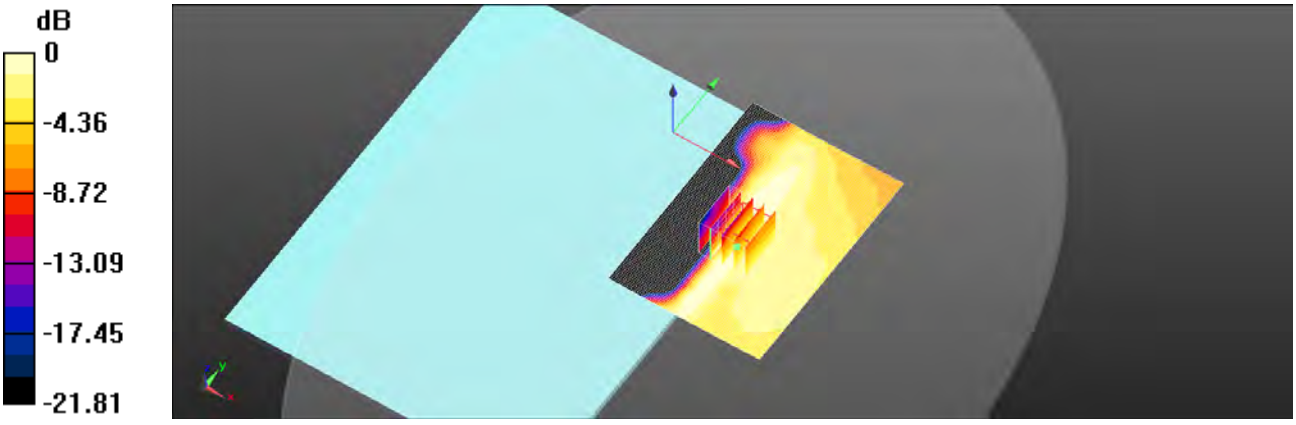
Report No. : E5/2021/50015
LTE Band 13 (10MHz)_Body_Bottom side_CH 23230_QPSK_1-0_0mm
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.892 S/m; ε_r = 41.585; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.00857 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.092 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0190 W/kg
SAR(1 g) = 0.00453 W/kg; SAR(10 g) = 0.00295 W/kg
Smallest distance from peaks to all points 3 dB below = 10.3 mm
Ratio of SAR at M2 to SAR at M1 = 51.9%
Maximum value of SAR (measured) = 0.00662 W/kg



0 dB = 0.00662 W/kg = -21.79 dBW/kg

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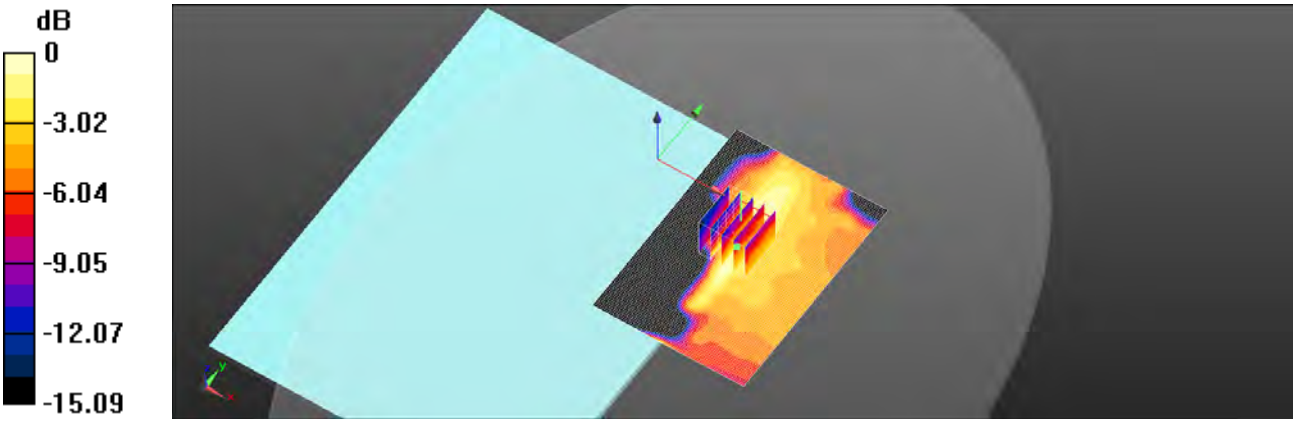
Report No. : E5/2021/50015
LTE Band 14 (10MHz)_Body_Bottom side_CH 23330_QPSK_1-0_0mm
Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used: f = 793 MHz; σ = 0.893 S/m; ε_r = 41.528; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.00634 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.936 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0120 W/kg
SAR(1 g) = 0.005 W/kg; SAR(10 g) = 0.00313 W/kg
Smallest distance from peaks to all points 3 dB below = 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 52.2%
Maximum value of SAR (measured) = 0.00751 W/kg



0 dB = 0.00751 W/kg = -21.24 dBW/kg

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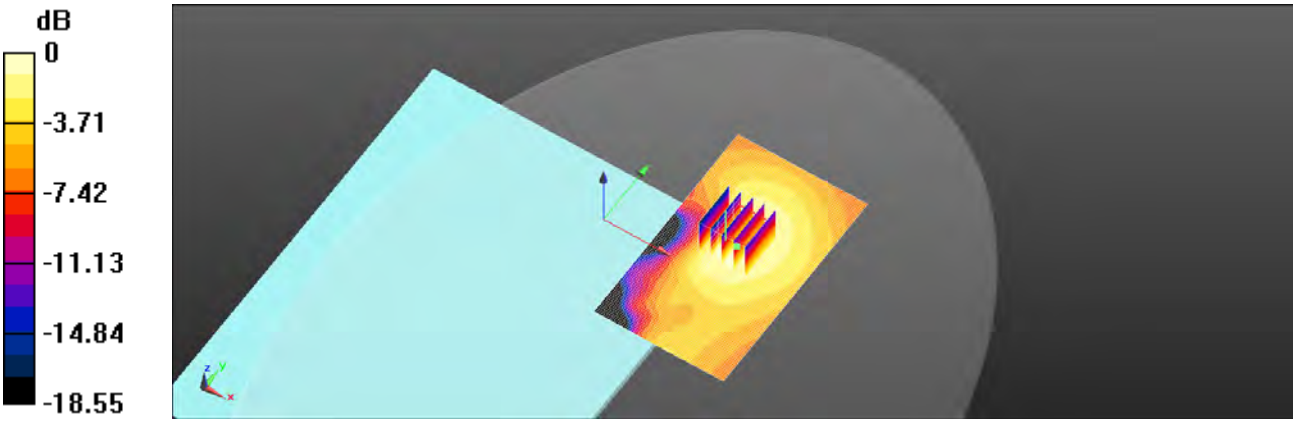
Report No. : E5/2021/50015
LTE Band 25 (20MHz)_Body_Bottom side_CH 26590_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1905 MHz; σ = 1.397 S/m; ε_r = 39.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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): Intepolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0339 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.529 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0510 W/kg
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.017 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 59.6%
Maximum value of SAR (measured) = 0.0380 W/kg



0 dB = 0.0380 W/kg = -14.20 dBW/kg

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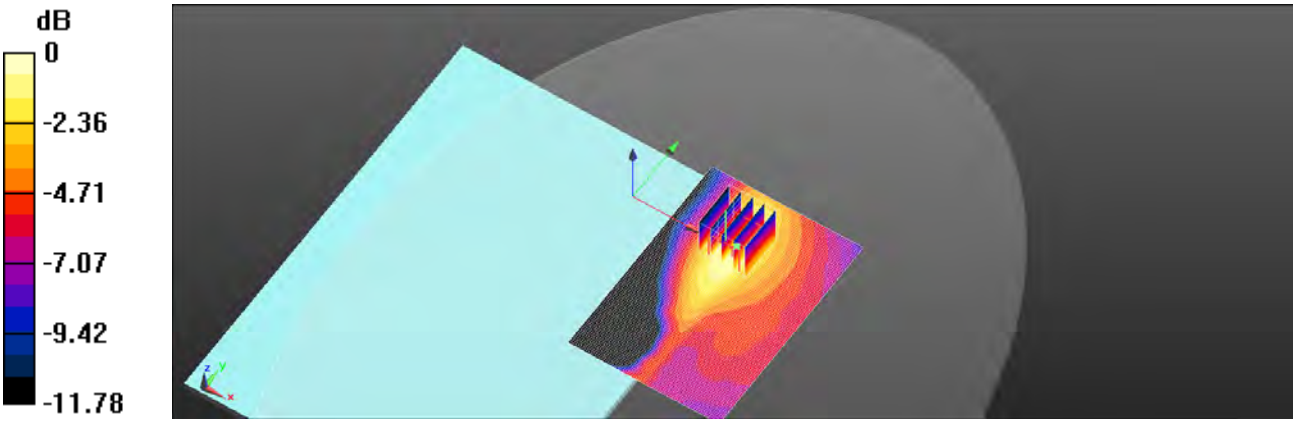
Report No. : E5/2021/50015
LTE Band 26 (15MHz)_Body_Bottom side_CH 26965_QPSK_1-0_0mm
Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.909 S/m; ε_r = 41.339; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0219 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.166 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0360 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.012 W/kg
Smallest distance from peaks to all points 3 dB below = 12.1 mm
Ratio of SAR at M2 to SAR at M1 = 51.5%
Maximum value of SAR (measured) = 0.0254 W/kg



0 dB = 0.0254 W/kg = -15.95 dBW/kg

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Date: 2021/7/18

Report No. : E5/2021/50015

LTE Band 30 (10MHz)_Body_Bottom side_CH 27710_QPSK_1-0_0mm

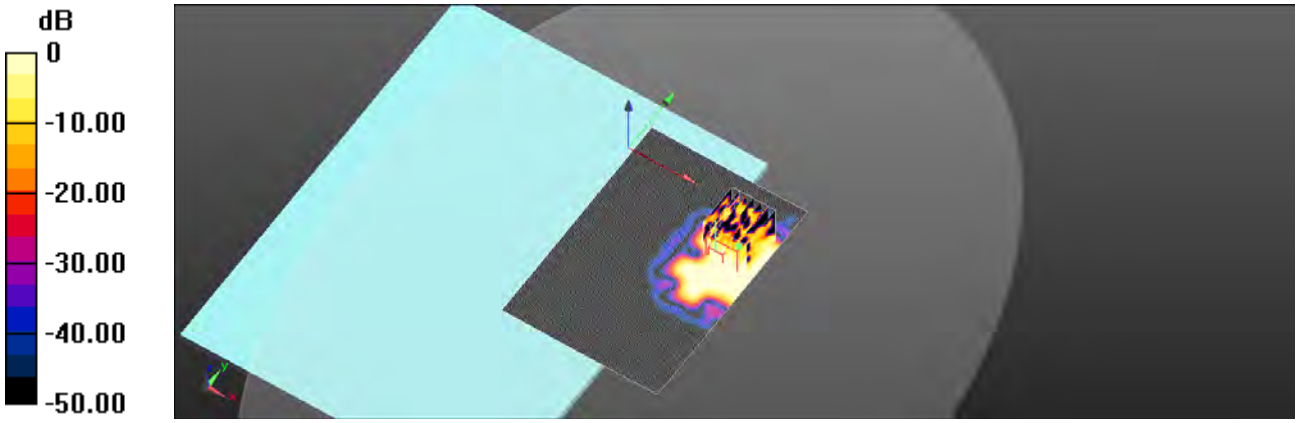
Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.683 S/m; ε_r = 39.259; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.31, 8.31, 8.31); Calibrated: 2021/4/26
- 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 (91x131x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.00852 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.6154 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.00725 W/kg
SAR(1 g) = 0.00196 W/kg; SAR(10 g) = 0.000742 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.4%
Maximum value of SAR (measured) = 0.00320 W/kg



0 dB = 0.00320 W/kg = -24.94 dBW/kg

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Date: 2021/7/19

Report No. : E5/2021/50015

LTE Band 38 (20MHz)_Body_Bottom side_CH 38000_QPSK_1-0_0mm

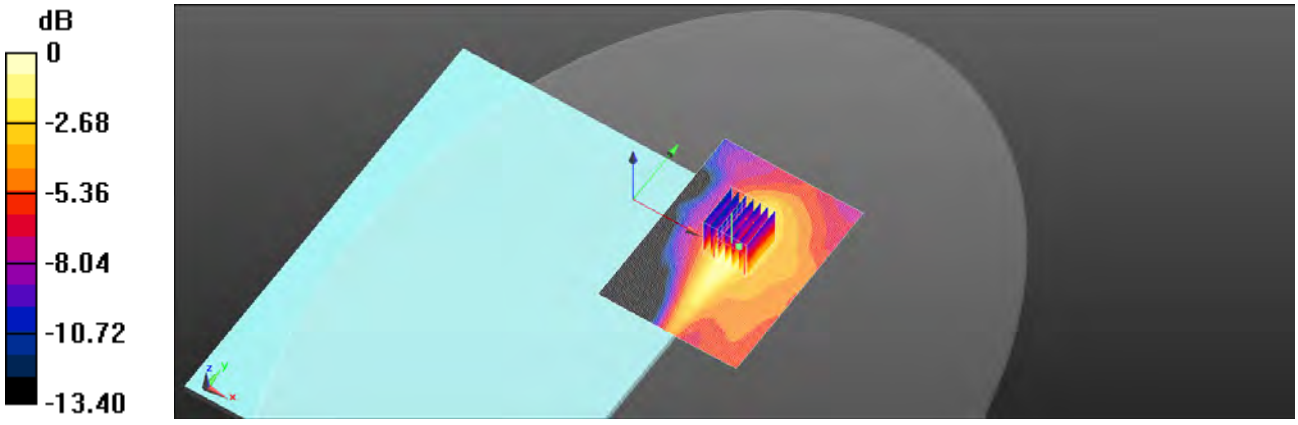
Communication System: LTE; Frequency: 2595 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2595 MHz; σ = 1.931 S/m; ε_r = 38.826; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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 (81x111x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0654 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.9947 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below = 13.9 mm
Ratio of SAR at M2 to SAR at M1 = 56%
Maximum value of SAR (measured) = 0.0757 W/kg



0 dB = 0.0757 W/kg = -11.21 dBW/kg

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Date: 2021/7/19

Report No. : E5/2021/50015

LTE Band 41 (20MHz)_Body_Bottom side_CH 39750_QPSK_1-0_0mm

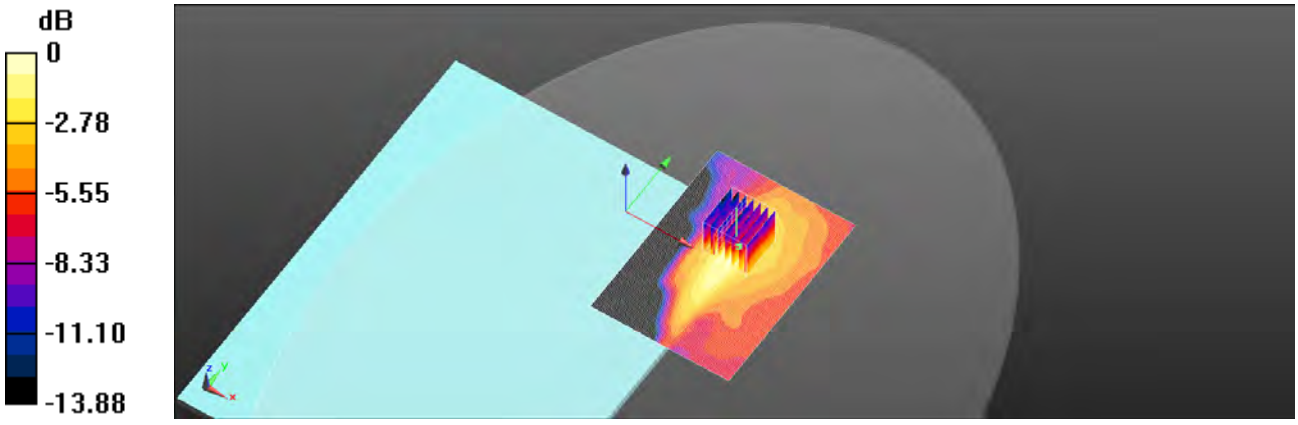
Communication System: LTE; Frequency: 2506 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2506 MHz; σ = 1.851 S/m; ε_r = 38.939; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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 (81x111x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0446 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.177 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0780 W/kg
SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.021 W/kg
Smallest distance from peaks to all points 3 dB below = 15.6 mm
Ratio of SAR at M2 to SAR at M1 = 55.7%
Maximum value of SAR (measured) = 0.0522 W/kg



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

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Report No. : E5/2021/50015

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

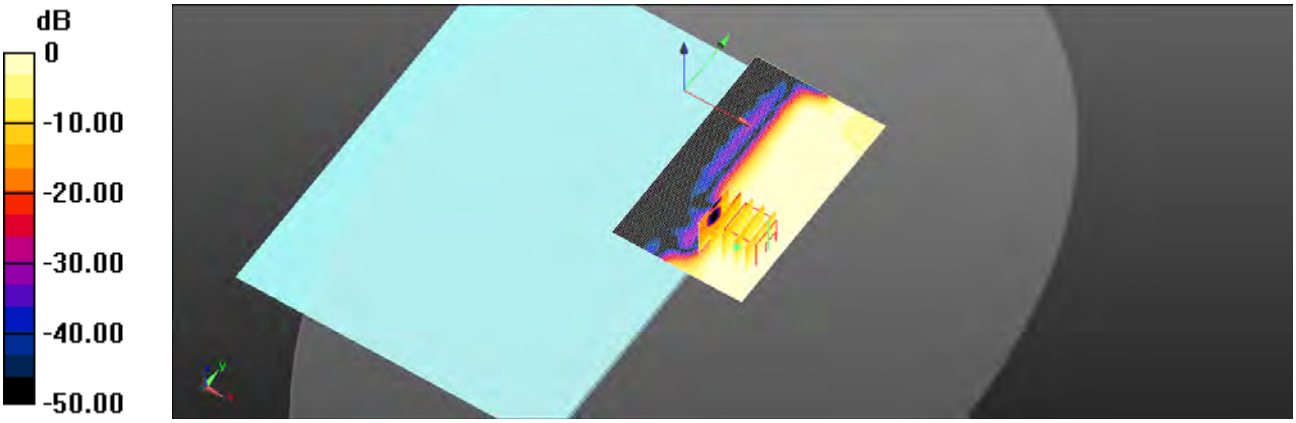
Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.362 S/m; ε_r = 39.897; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.11, 9.11, 9.11); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0196 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9850 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0150 W/kg
SAR(1 g) = 0.00868 W/kg; SAR(10 g) = 0.00525 W/kg
Smallest distance from peaks to all points 3 dB below = 12.7 mm
Ratio of SAR at M2 to SAR at M1 = 57.3%
Maximum value of SAR (measured) = 0.0117 W/kg



0 dB = 0.0117 W/kg = -19.33 dBW/kg

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Date: 2021/7/22

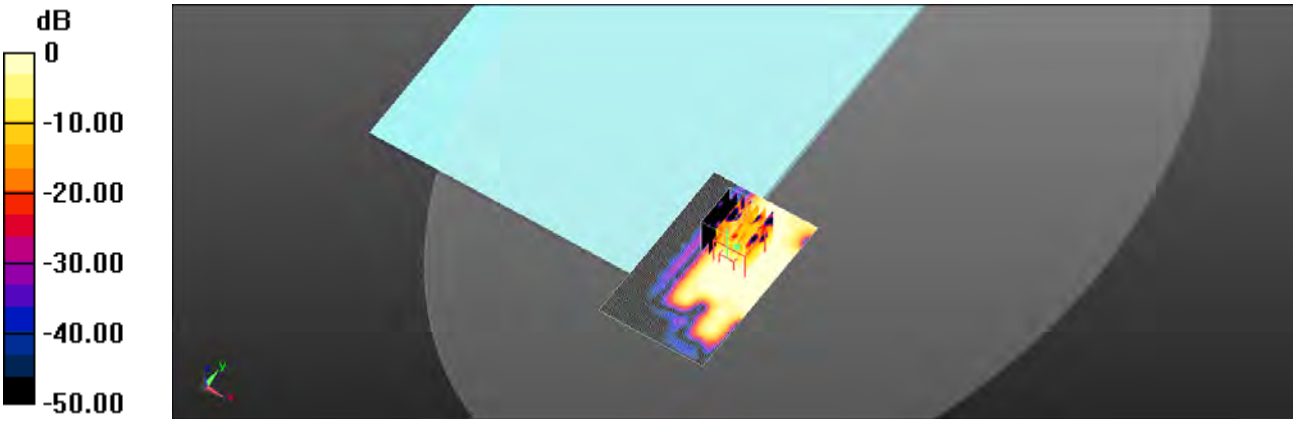
Report No. : E5/2021/50015
WLAN 802.11b_Body_Bottom side_CH 10_0mm_Main
Communication System: WLAN; Frequency: 2457 MHz; Duty Cycle: 1:0.989
Medium parameters used: f = 2457 MHz; σ = 1.808 S/m; ε_r = 39.001; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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) = 0.0132 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.7860 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0200 W/kg
SAR(1 g) = 0.00401 W/kg; SAR(10 g) = 0.0014 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 57.4%
Maximum value of SAR (measured) = 0.00802 W/kg



0 dB = 0.00802 W/kg = -20.96 dBW/kg

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Date: 2021/7/23

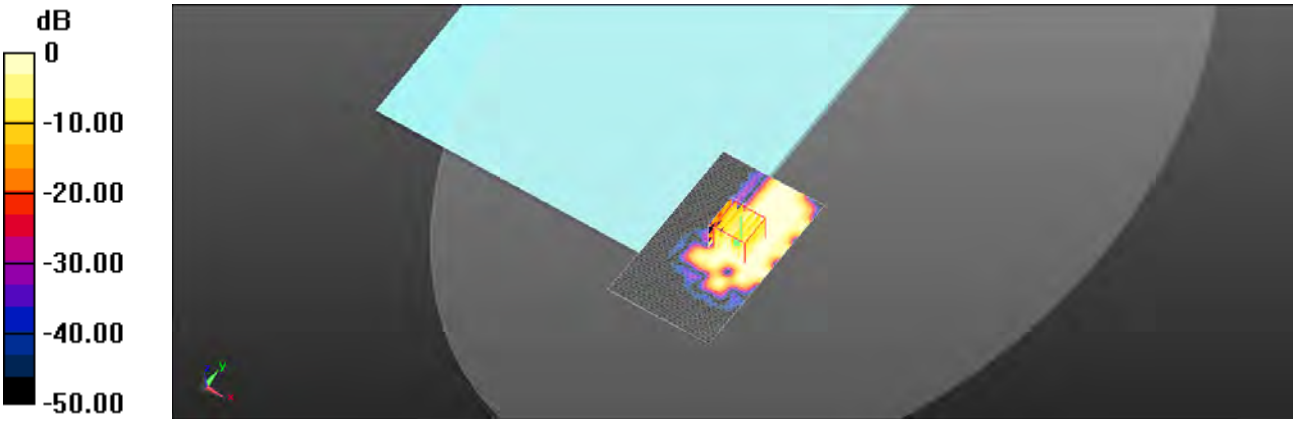
Report No. : E5/2021/50015
WLAN 802.11a 5.2G_Body_Bottom side_CH 44_0mm_Main
Communication System: WLAN; Frequency: 5220 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5220 MHz; σ = 4.65 S/m; ε_r = 35.773; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 0.0599 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.9920 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0320 W/kg
SAR(1 g) = 0.0188 W/kg; SAR(10 g) = 0.00881 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 79.8%
Maximum value of SAR (measured) = 0.0271 W/kg



0 dB = 0.0271 W/kg = -15.68 dBW/kg

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Date: 2021/7/24

Report No. : E5/2021/50015

WLAN 802.11n(40M) 5.3G_Body_Bottom side_CH 54_0mm_Main

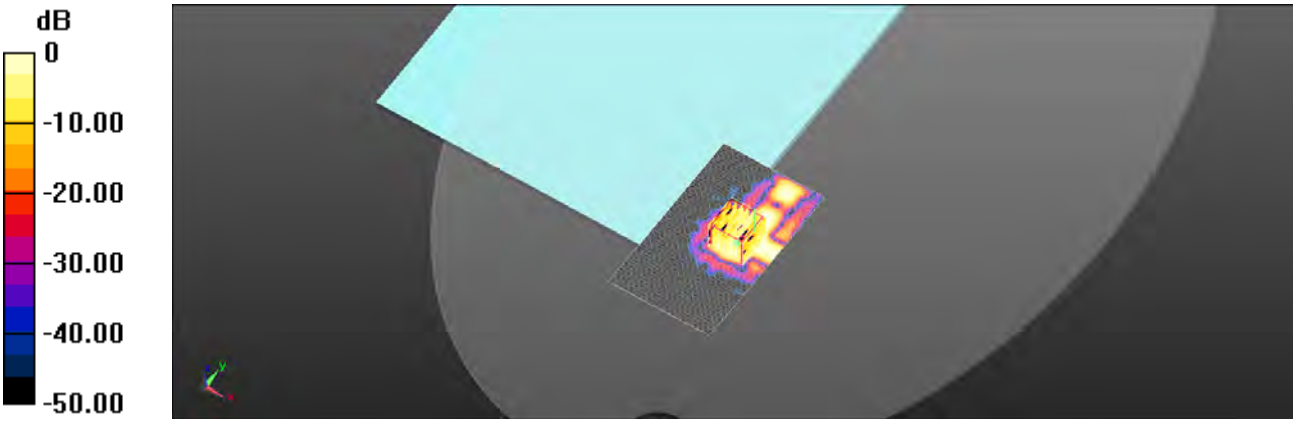
Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.988
Medium parameters used: f = 5270 MHz; σ = 4.701 S/m; ε_r = 35.716; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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) = 0.0197 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.2514 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0600 W/kg
SAR(1 g) = 0.00715 W/kg; SAR(10 g) = 0.00183 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 75.3%
Maximum value of SAR (measured) = 0.0122 W/kg



0 dB = 0.0122 W/kg = -19.14 dBW/kg

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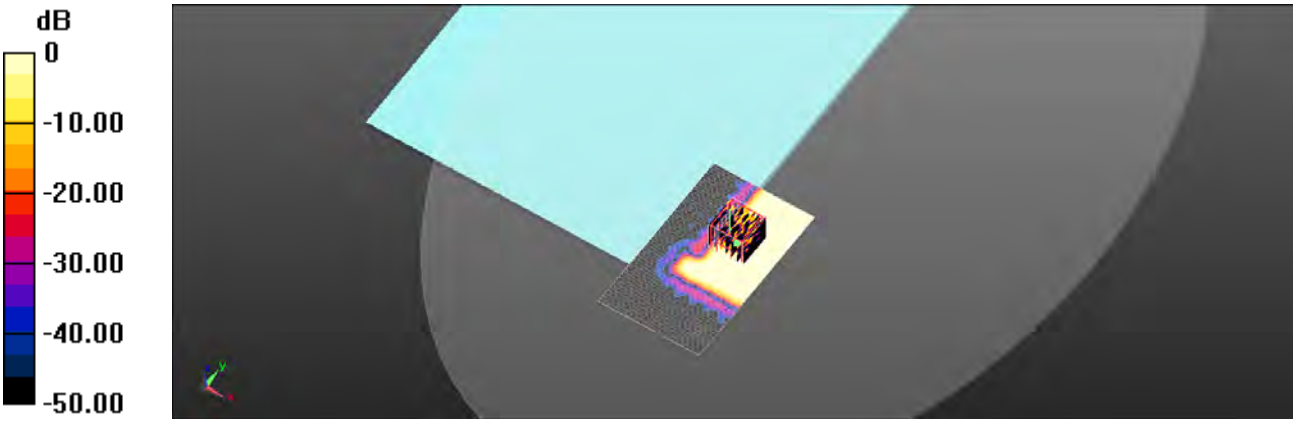
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 138_0mm_Main
Communication System: WLAN; Frequency: 5690 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5690 MHz; σ = 5.13 S/m; ε_r = 35.236; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 0.0824 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.9941 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.0450 W/kg
SAR(1 g) = 0.00111 W/kg; SAR(10 g) = 0.000199 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.3%
Maximum value of SAR (measured) = 0.0109 W/kg



0 dB = 0.0109 W/kg = -19.64 dBW/kg

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Date: 2021/7/26

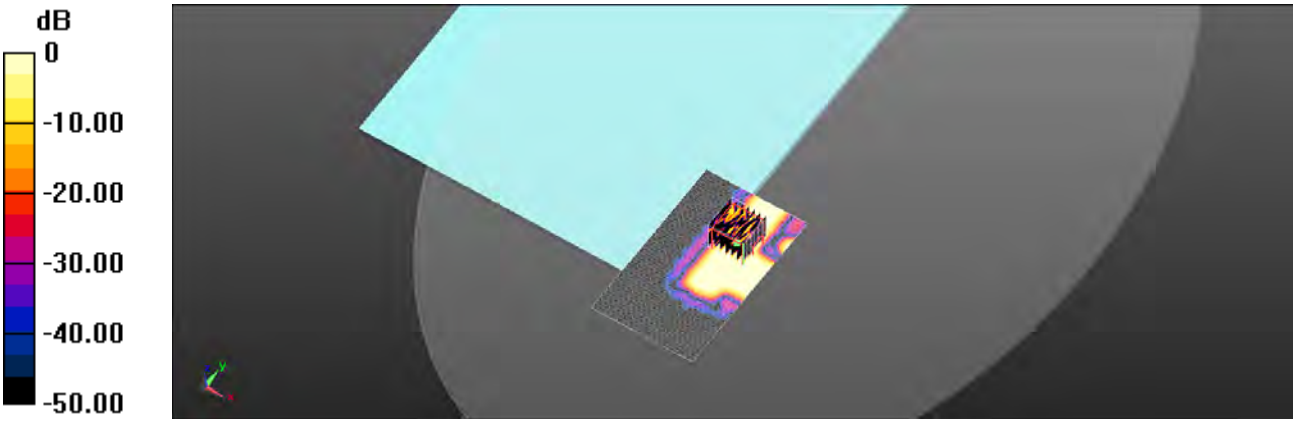
Report No. : E5/2021/50015
WLAN 802.11a 5.8G_Body_Bottom side_CH 157_0mm_Main
Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5785 MHz; σ = 5.227 S/m; ε_r = 35.127; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 0.0620 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0630 W/kg
SAR(1 g) = 0.001 W/kg; SAR(10 g) = 0.000162 W/kg
Smallest distance from peaks to all points 3 dB below = 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 54.3%
Maximum value of SAR (measured) = 0.0110 W/kg



0 dB = 0.0110 W/kg = -19.58 dBW/kg

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Date: 2021/7/22

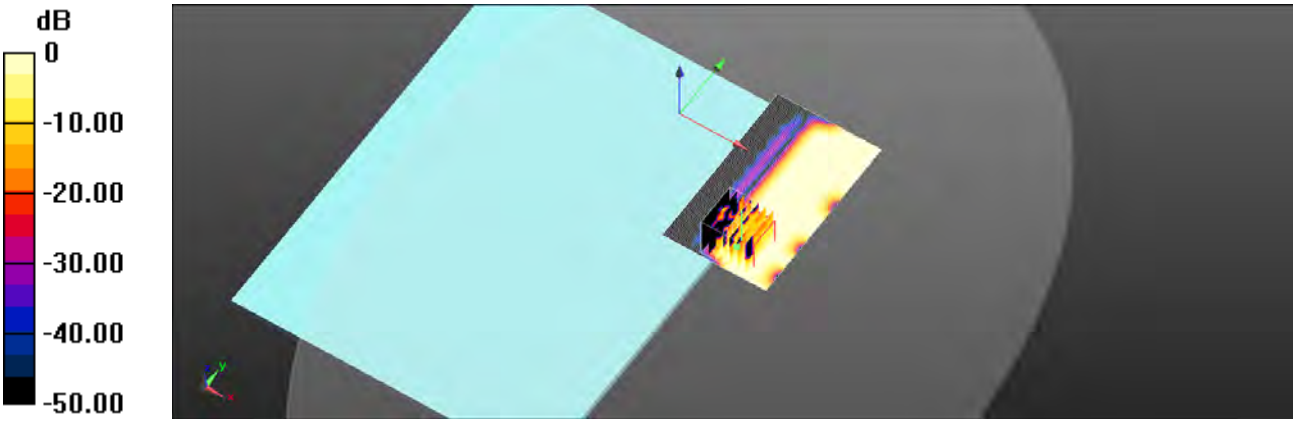
Report No. : E5/2021/50015
WLAN 802.11b_Body_Bottom side_CH 6_0mm_Aux
Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:0.989
Medium parameters used: f = 2437 MHz; σ = 1.79 S/m; ε_r = 39.033; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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) = 0.0155 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.7890 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.0200 W/kg
SAR(1 g) = 0.00343 W/kg; SAR(10 g) = 0.00144 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 0.00714 W/kg



0 dB = 0.00714 W/kg = -21.46 dBW/kg

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Date: 2021/7/22

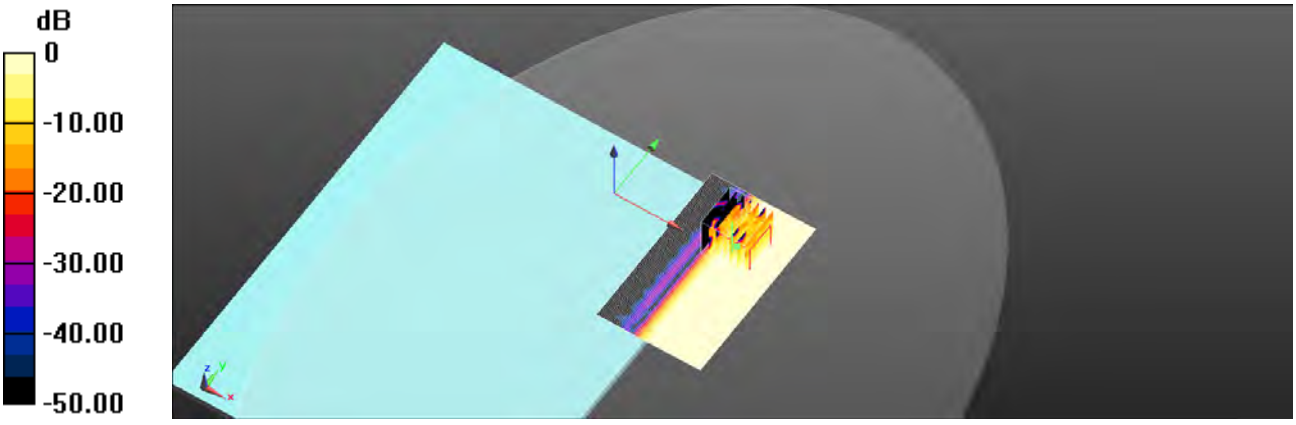
Report No. : E5/2021/50015
Bluetooth(GFSK)_Body_Bottom side_CH 78_0mm_Aux
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:0.772
Medium parameters used: f = 2480 MHz; σ = 1.828 S/m; ε_r = 38.972; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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) = 0.0183 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.8530 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0110 W/kg
SAR(1 g) = 0.001 W/kg; SAR(10 g) = 0.00288 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 54.3%
Maximum value of SAR (measured) = 0.00824 W/kg



0 dB = 0.00824 W/kg = -20.84 dBW/kg

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Date: 2021/7/23

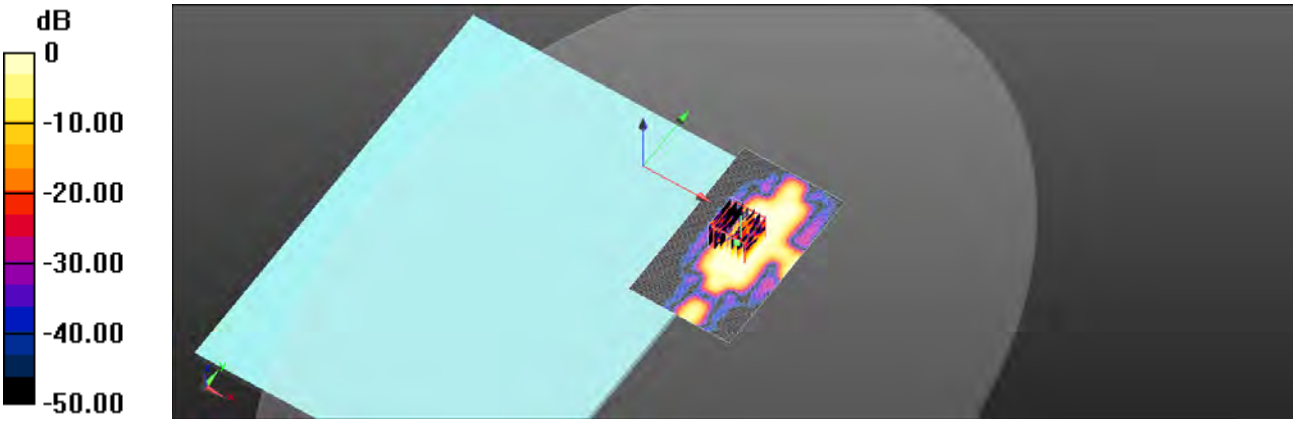
Report No. : E5/2021/50015
WLAN 802.11a 5.2G_Body_Bottom side_CH 44_0mm_Aux
Communication System: WLAN; Frequency: 5220 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5220 MHz; σ = 4.65 S/m; ε_r = 35.773; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 0.0743 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.2930 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0910 W/kg
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00711 W/kg
Smallest distance from peaks to all points 3 dB below = 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 59.3%
Maximum value of SAR (measured) = 0.0465 W/kg



0 dB = 0.0465 W/kg = -13.33 dBW/kg

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Date: 2021/7/24

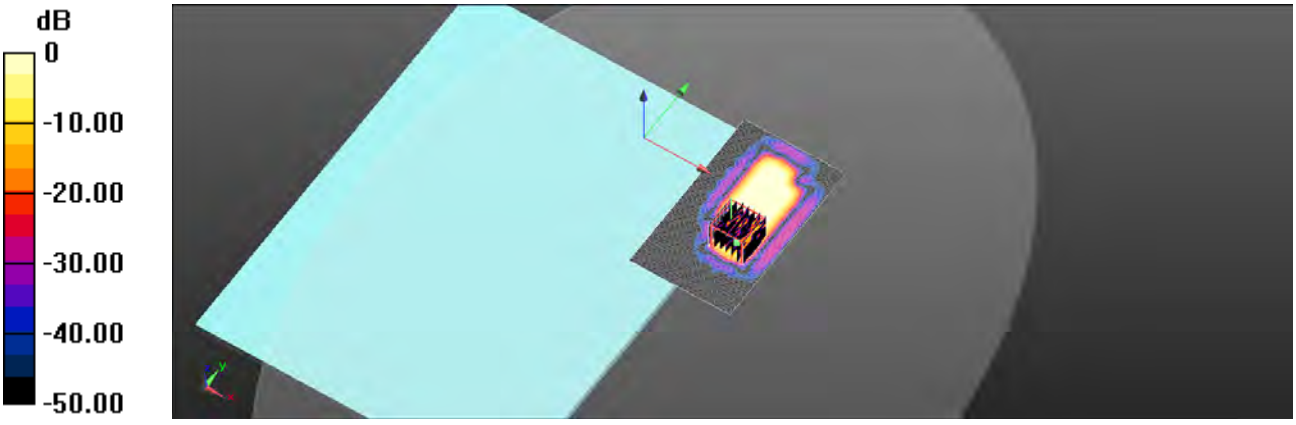
Report No. : E5/2021/50015
WLAN 802.11n(40M) 5.3G_Body_Bottom side_CH 54_0mm_Aux
Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.988
Medium parameters used: f = 5270 MHz; σ = 4.701 S/m; ε_r = 35.716; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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) = 0.0747 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.8432 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.118 W/kg
SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00344 W/kg
Smallest distance from peaks to all points 3 dB below = 7.7 mm
Ratio of SAR at M2 to SAR at M1 = 55.4%
Maximum value of SAR (measured) = 0.0221 W/kg



0 dB = 0.0221 W/kg = -16.55 dBW/kg

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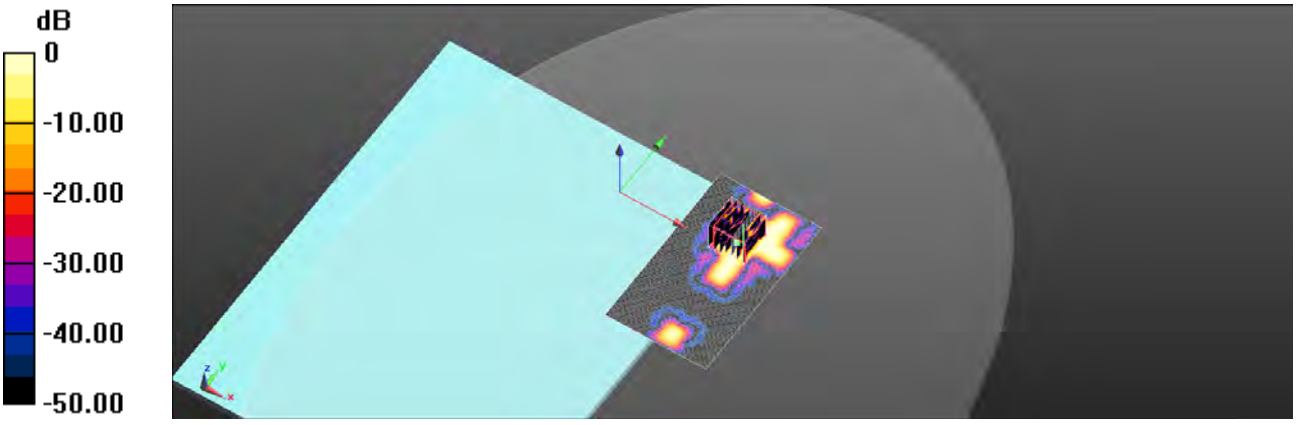
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 138_0mm_Aux
Communication System: WLAN; Frequency: 5690 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5690 MHz; σ = 5.13 S/m; ε_r = 35.236; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 0.102 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.1142 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00572 W/kg
Smallest distance from peaks to all points 3 dB below = 6.9 mm
Ratio of SAR at M2 to SAR at M1 = 59.2%
Maximum value of SAR (measured) = 0.0275 W/kg



0 dB = 0.0275 W/kg = -15.61 dBW/kg

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Date: 2021/7/26

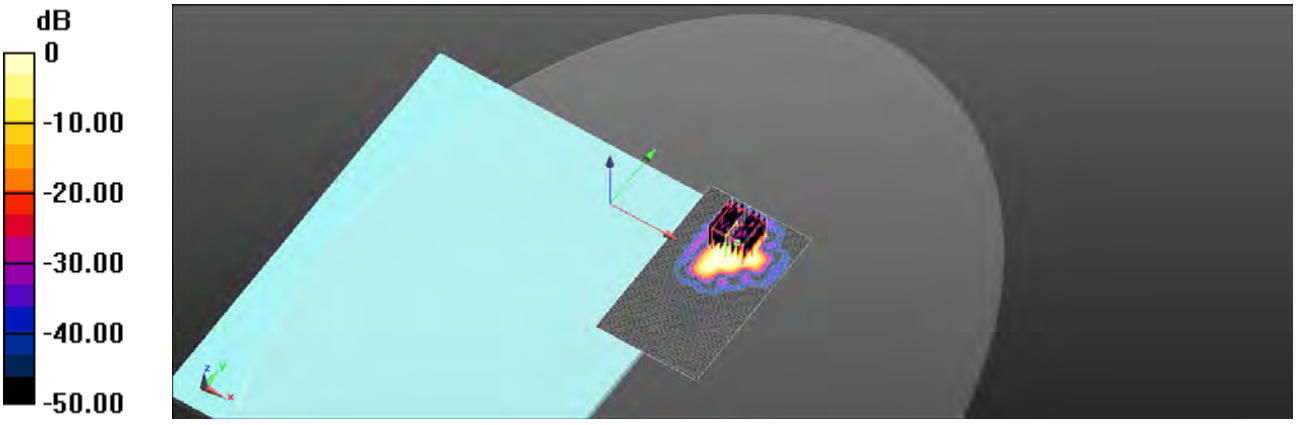
Report No. : E5/2021/50015
WLAN 802.11a 5.8G_Body_Bottom side_CH 157_0mm_Aux
Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5785 MHz; σ = 5.227 S/m; ε_r = 35.127; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 0.0916 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.3176 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00533 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 52%
Maximum value of SAR (measured) = 0.0273 W/kg



0 dB = 0.0273 W/kg = -15.64 dBW/kg

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Date: 2021/7/16

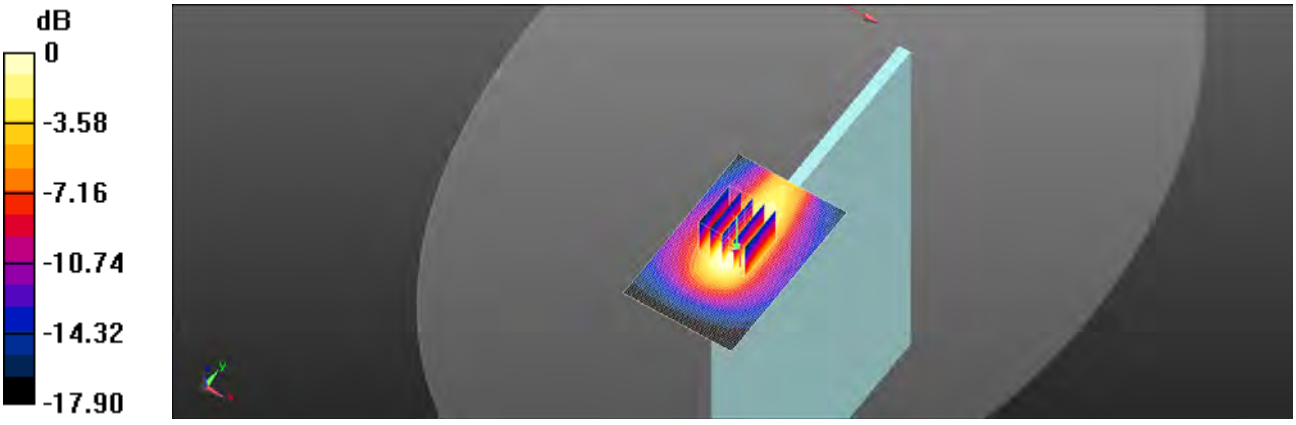
Report No. : E5/2021/50015
WCDMA Band II_Body_Right side_CH 9400_4mm
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 39.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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 (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.654 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.12 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.841 W/kg
SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.287 W/kg
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 56.8%
Maximum value of SAR (measured) = 0.643 W/kg



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

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Date: 2021/7/13

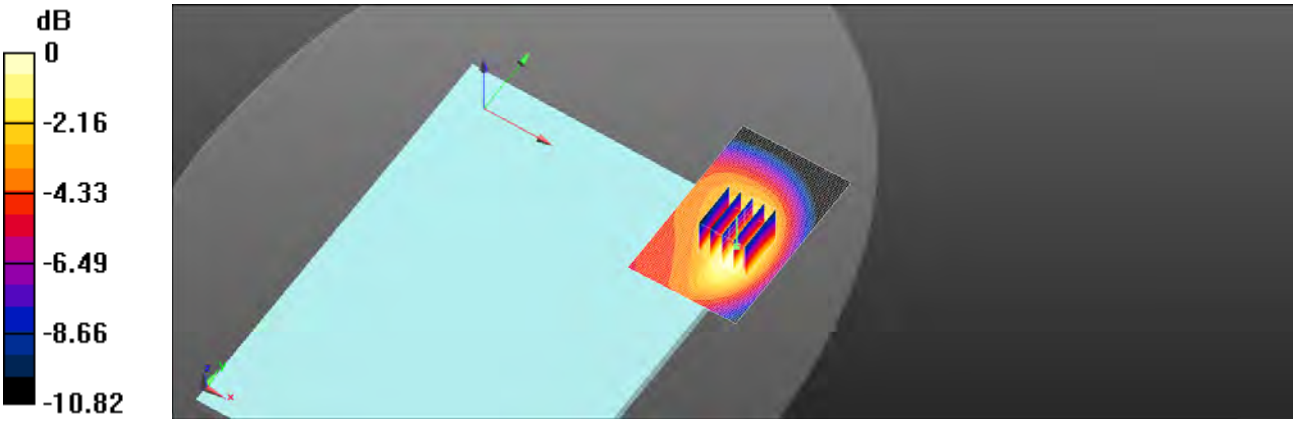
Report No. : E5/2021/50015
WCDMA Band V_Body_Back side_CH 4183_19mm
Communication System: WCDMA; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.907 S/m; ε_r = 41.357; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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 (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.413 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.433 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.222 W/kg
Smallest distance from peaks to all points 3 dB below = 21.5 mm
Ratio of SAR at M2 to SAR at M1 = 60.2%
Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.413 W/kg = -3.84 dBW/kg

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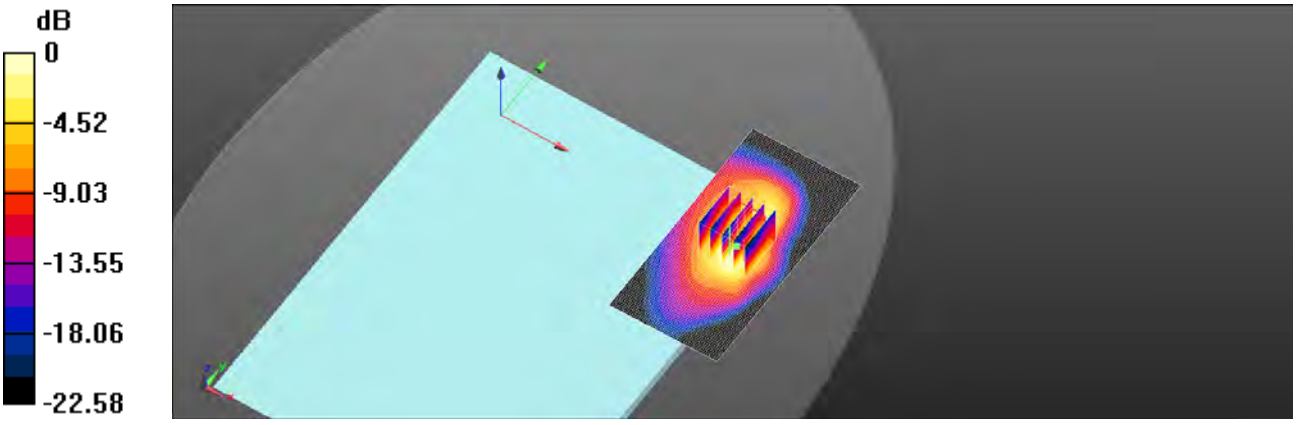
Report No. : E5/2021/50015
WCDMA Band II_Body_Back side_CH 9400_0mm
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.392 S/m; ε_r = 39.69; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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 (51x101x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.915 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.34 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.354 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.26 dBW/kg

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Date: 2021/7/14

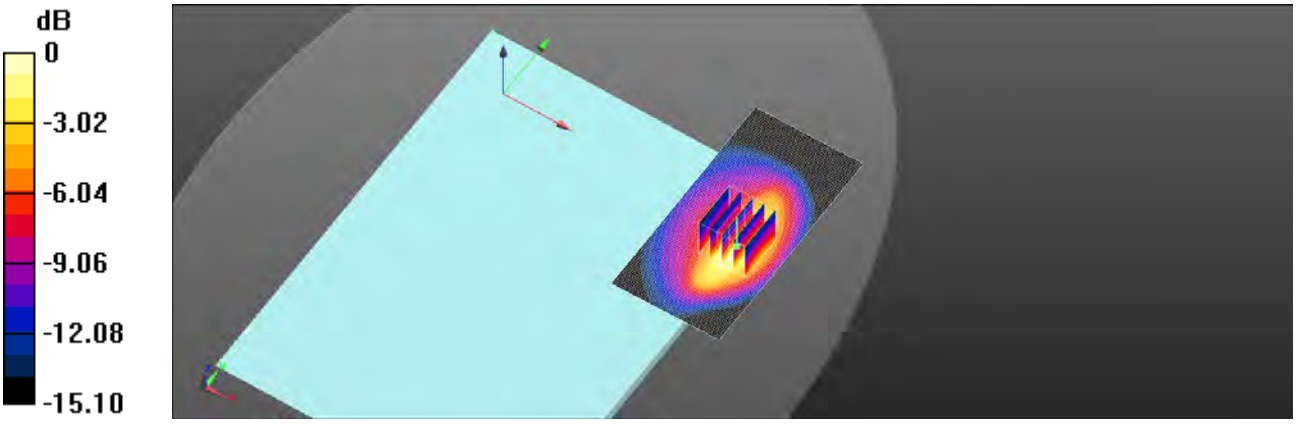
Report No. : E5/2021/50015
WCDMA Band V_Body_Back side_CH 4183_0mm
Communication System: WCDMA; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.904 S/m; ε_r = 41.237; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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 (51x101x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.947 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.764 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.397 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 59.3%
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.06 dBW/kg

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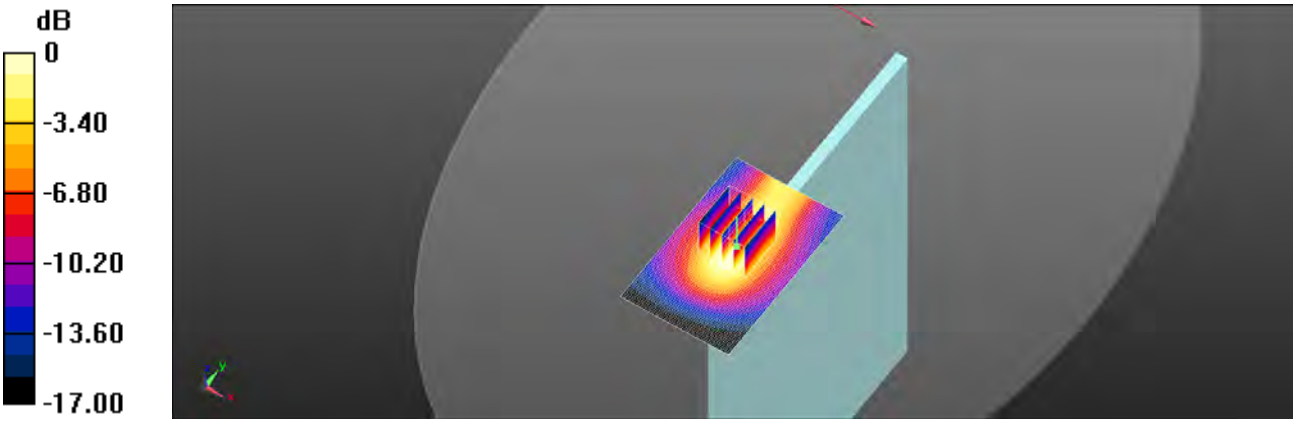
Report No. : E5/2021/50015
LTE Band 2 (20MHz)_Body_Right side_CH 18900_QPSK_1-0_4mm
Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 39.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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 (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.910 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.82 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.356 W/kg
Smallest distance from peaks to all points 3 dB below = 14.3 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 0.874 W/kg



0 dB = 0.874 W/kg = -0.59 dBW/kg

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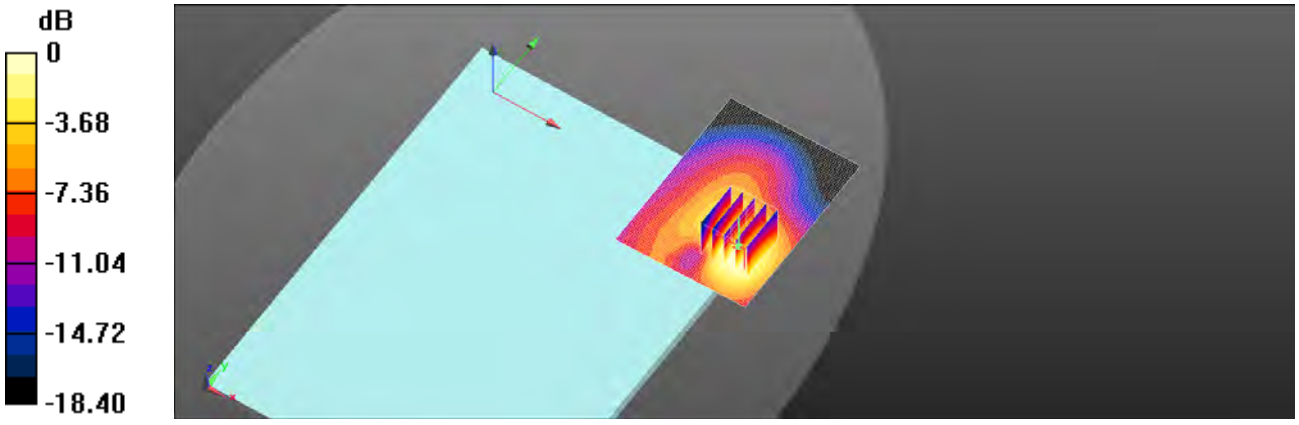
Report No. : E5/2021/50015
LTE Band 4 (20MHz)_Body_Back side_CH 20175_QPSK_1-0_19mm
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 39.917; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.11, 9.11, 9.11); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.612 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.476 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 61.9%
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.31 dBW/kg

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Date: 2021/7/13

Report No. : E5/2021/50015

LTE Band 5 (10MHz)_Body_Back side_CH 20525_QPSK_1-0_19mm

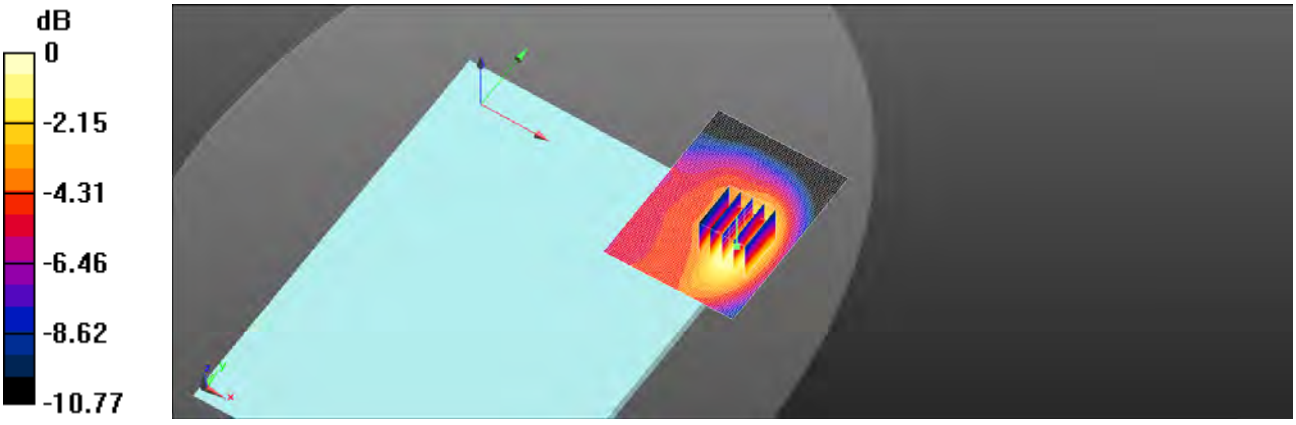
Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.907 S/m; ε_r = 41.361; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.290 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.938 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.371 W/kg
SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.177 W/kg
Smallest distance from peaks to all points 3 dB below = 23.8 mm
Ratio of SAR at M2 to SAR at M1 = 62.7%
Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg

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Date: 2021/7/20

Report No. : E5/2021/50015

LTE Band 7 (20MHz)_Body_Right side_CH 21350_QPSK_1-0_4mm

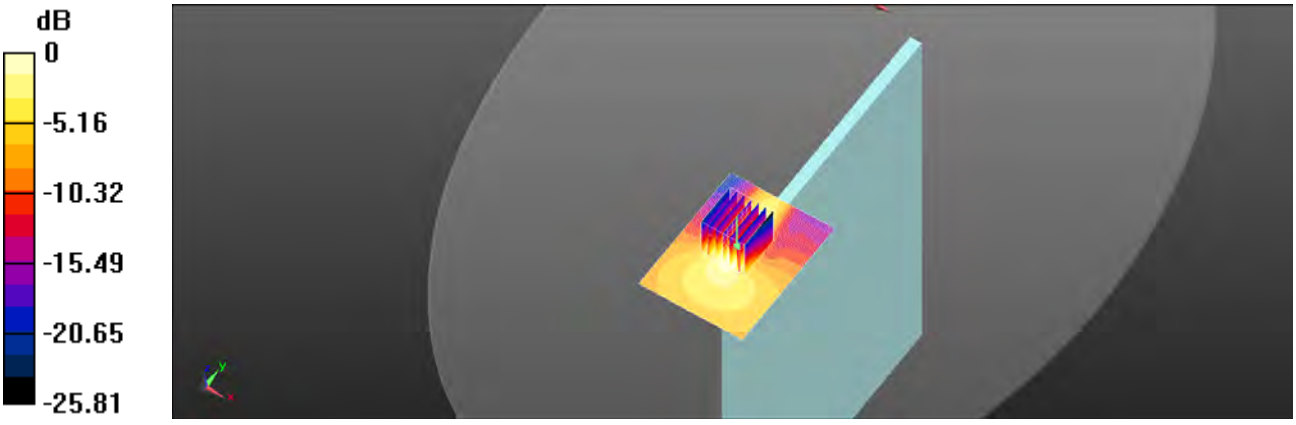
Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.894 S/m; ε_r = 38.75; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.463 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.696 W/kg; SAR(10 g) = 0.316 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 58.9%
Maximum value of SAR (measured) = 1.07 W/kg



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

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Date: 2021/7/11

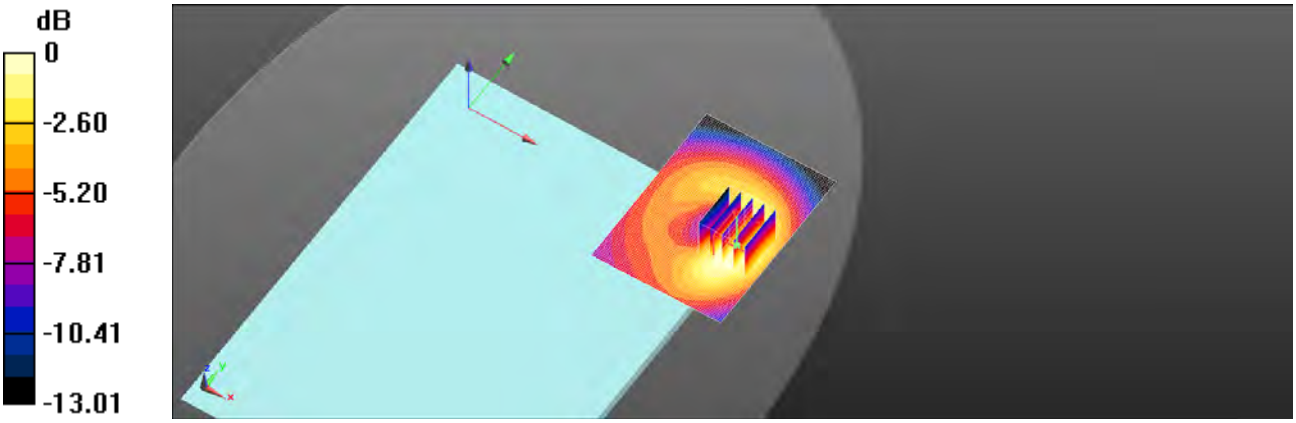
Report No. : E5/2021/50015
LTE Band 12 (10MHz)_Body_Back side_CH 23130_QPSK_1-0_19mm
Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; σ = 0.887 S/m; ε_r = 41.954; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.477 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.849 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.532 W/kg
SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.241 W/kg
Smallest distance from peaks to all points 3 dB below = 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 68.9%
Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.457 W/kg = -3.40 dBW/kg

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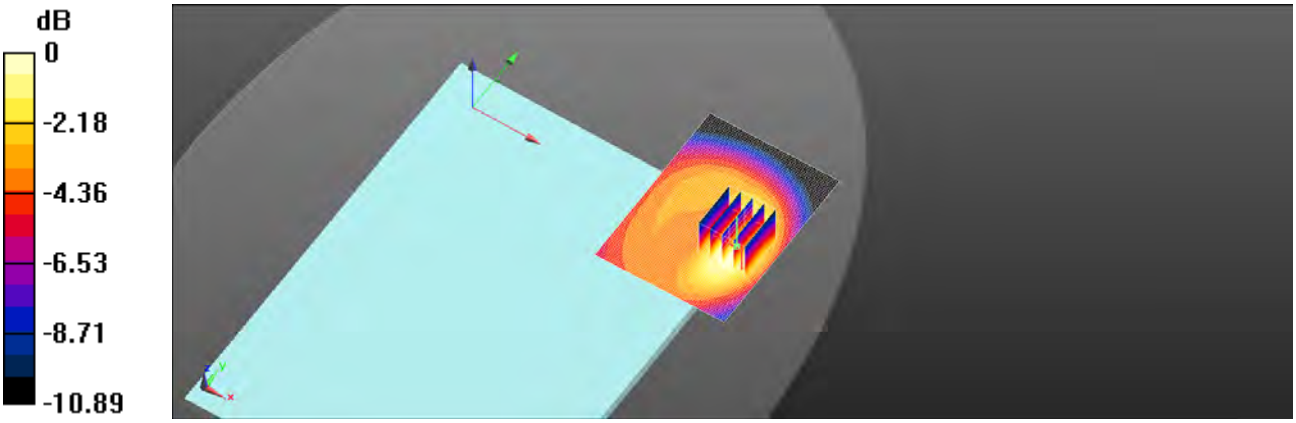
Report No. : E5/2021/50015
LTE Band 13 (10MHz)_Body_Back side_CH 23230_QPSK_1-0_19mm
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.892 S/m; ε_r = 41.585; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.248 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.656 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.283 W/kg
SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.135 W/kg
Smallest distance from peaks to all points 3 dB below = 22.6 mm
Ratio of SAR at M2 to SAR at M1 = 61%
Maximum value of SAR (measured) = 0.247 W/kg



0 dB = 0.247 W/kg = -6.07 dBW/kg

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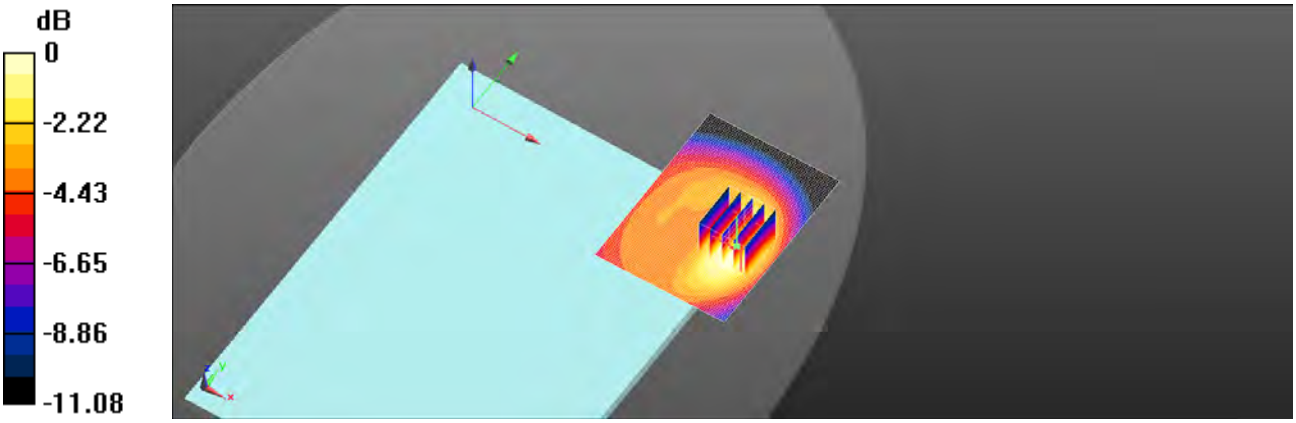
Report No. : E5/2021/50015
LTE Band 14 (10MHz)_Body_Back side_CH 23330_QPSK_1-0_19mm
Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used: f = 793 MHz; σ = 0.893 S/m; ε_r = 41.528; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.211 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.217 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.243 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.116 W/kg
Smallest distance from peaks to all points 3 dB below = 21.5 mm
Ratio of SAR at M2 to SAR at M1 = 61.1%
Maximum value of SAR (measured) = 0.213 W/kg



0 dB = 0.213 W/kg = -6.72 dBW/kg

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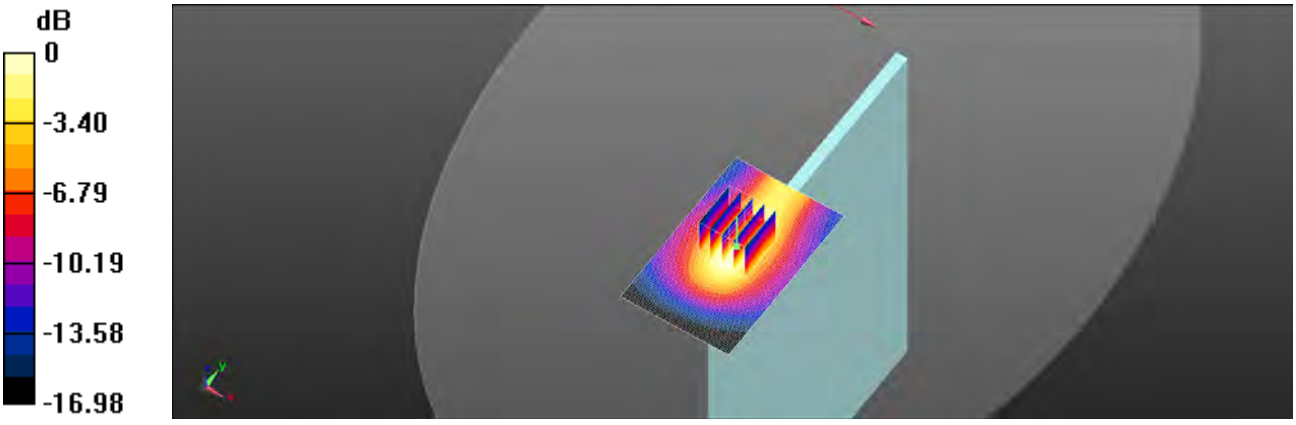
Report No. : E5/2021/50015
LTE Band 25 (20MHz)_Body_Right side_CH 26365_QPSK_1-0_4mm
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1882.5 MHz; σ = 1.397 S/m; ε_r = 39.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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 (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.826 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.99 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.327 W/kg
Smallest distance from peaks to all points 3 dB below = 13.7 mm
Ratio of SAR at M2 to SAR at M1 = 54.9%
Maximum value of SAR (measured) = 0.806 W/kg



0 dB = 0.806 W/kg = -0.93 dBW/kg

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Date: 2021/7/13

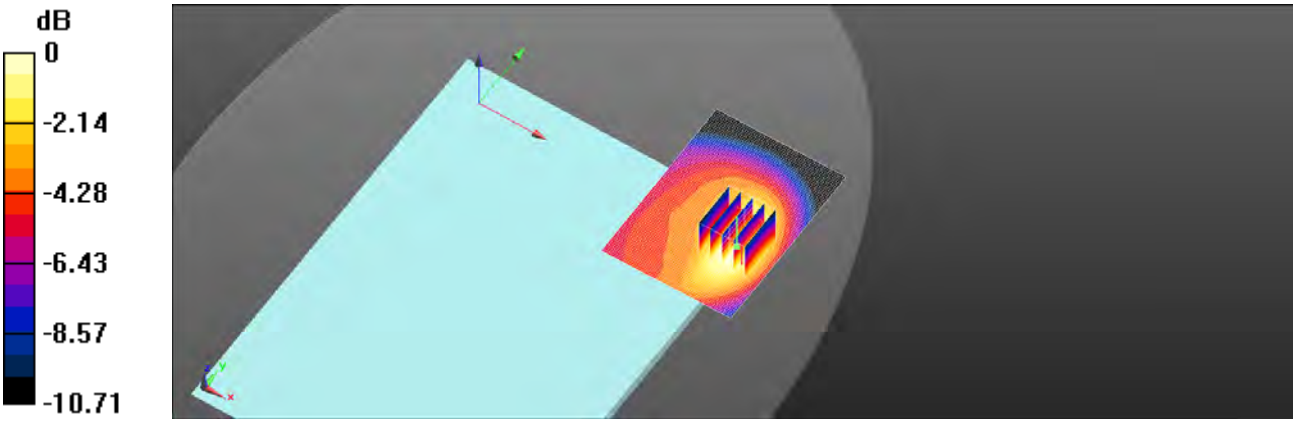
Report No. : E5/2021/50015
LTE Band 26 (15MHz)_Body_Back side_CH 26965_QPSK_1-0_19mm
Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.909 S/m; ε_r = 41.339; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.294 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.155 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.343 W/kg
SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.163 W/kg
Smallest distance from peaks to all points 3 dB below = 22.7 mm
Ratio of SAR at M2 to SAR at M1 = 67.6%
Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg = -5.25 dBW/kg

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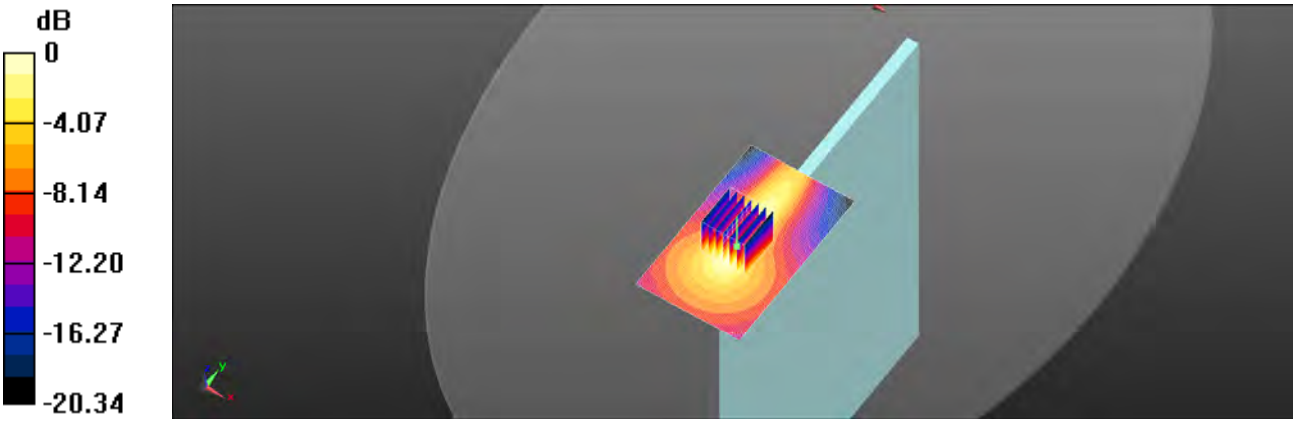
Report No. : E5/2021/50015
LTE Band 30 (10MHz)_Body_Right side_CH 27710_QPSK_1-0_4mm
Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.683 S/m; ε_r = 39.259; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.31, 8.31, 8.31); Calibrated: 2021/4/26
- 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) = 0.717 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.131 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.955 W/kg
SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.247 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 6.8%
Maximum value of SAR (measured) = 0.724 W/kg



0 dB = 0.724 W/kg = -1.40 dBW/kg

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Date: 2021/7/20

Report No. : E5/2021/50015

LTE Band 38 (20MHz)_Body_Right side_CH 38150_QPSK_1-0_4mm

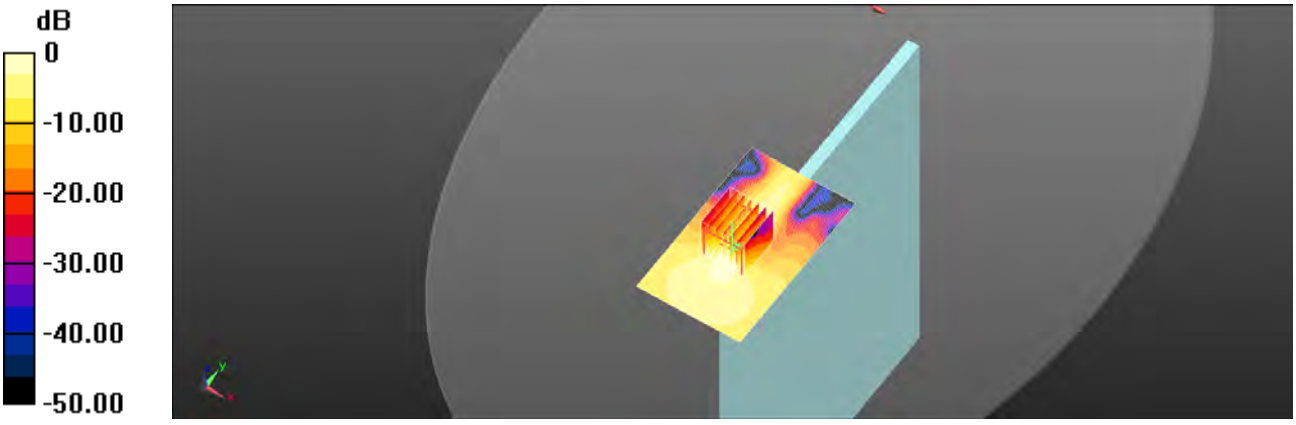
Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2610 MHz; σ = 1.939 S/m; ε_r = 38.686; ρ = 1000kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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) = 0.529 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.012 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.104 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 57.5%
Maximum value of SAR (measured) = 0.536 W/kg



0 dB = 0.536 W/kg = -2.71 dBW/kg

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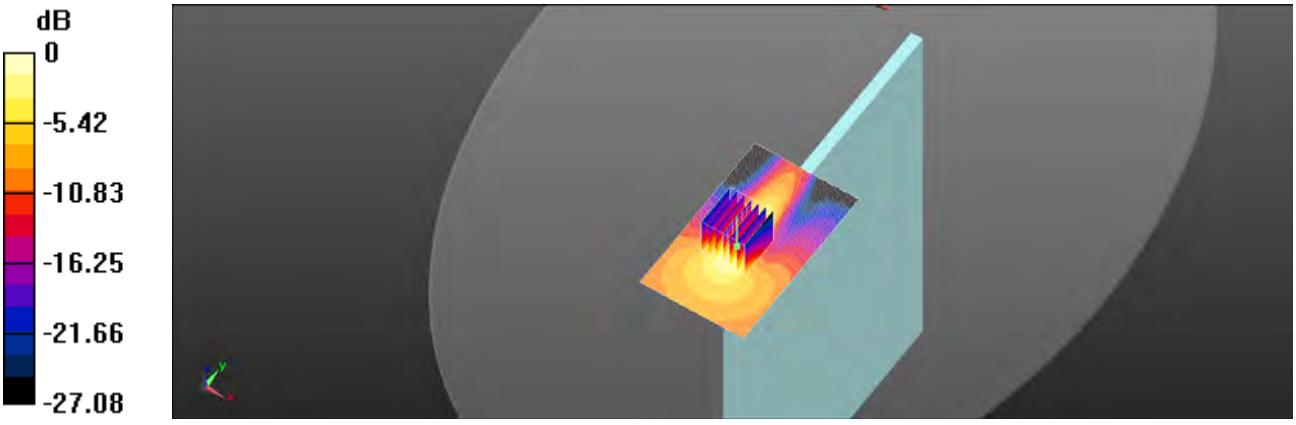
Report No. : E5/2021/50015
LTE Band 41 (20MHz)_Body_Right side_CH 40185_QPSK_1-0_4mm
Communication System: LTE; Frequency: 2549.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2549.5 MHz; σ = 1.885 S/m; ε_r = 38.763; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97) ; Calibrated: 2021/4/26
- 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) = 0.580 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.907 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.245 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 59.4%
Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.631 W/kg = -2.00 dBW/kg

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Date: 2021/7/15

Report No. : E5/2021/50015

LTE Band 66 (20MHz)_Body_Back side_CH 132322_QPSK_1-0_19mm

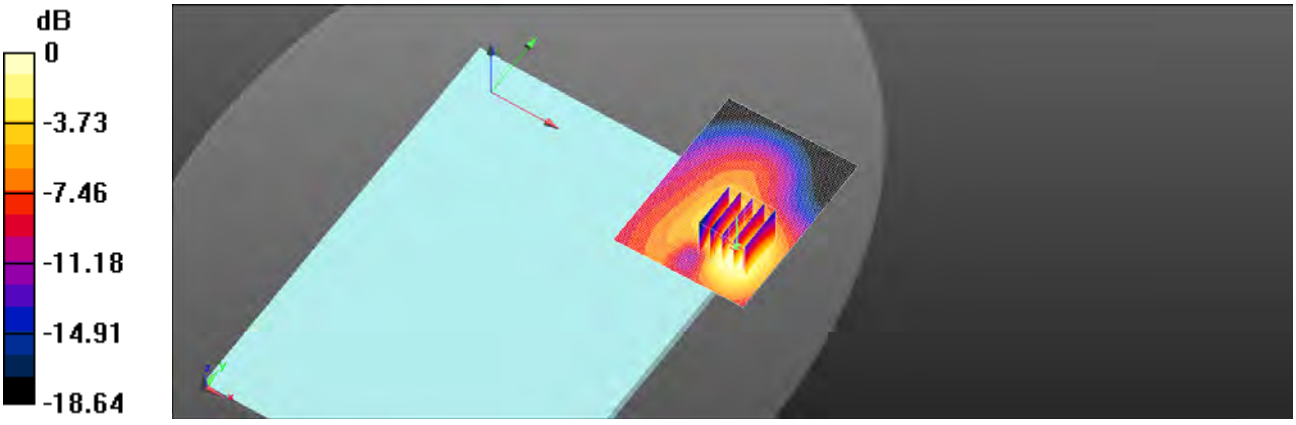
Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.362 S/m; ε_r = 39.897; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.11, 9.11, 9.11) ; Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.891 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.732 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.404 W/kg
Smallest distance from peaks to all points 3 dB below = 12.9 mm
Ratio of SAR at M2 to SAR at M1 = 62.7%
Maximum value of SAR (measured) = 0.870 W/kg



0 dB = 0.870 W/kg = -0.60 dBW/kg

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Date: 2021/7/17

Report No. : E5/2021/50015

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

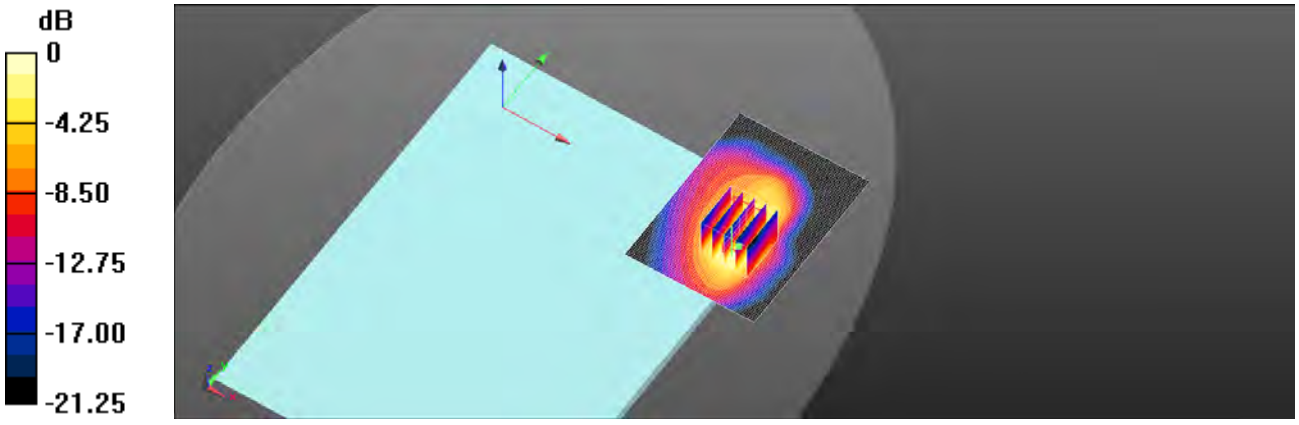
Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.392 S/m; ε_r = 39.69; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.942 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.121 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.315 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 60.8%
Maximum value of SAR (measured) = 0.926 W/kg



0 dB = 0.926 W/kg = -0.34 dBW/kg

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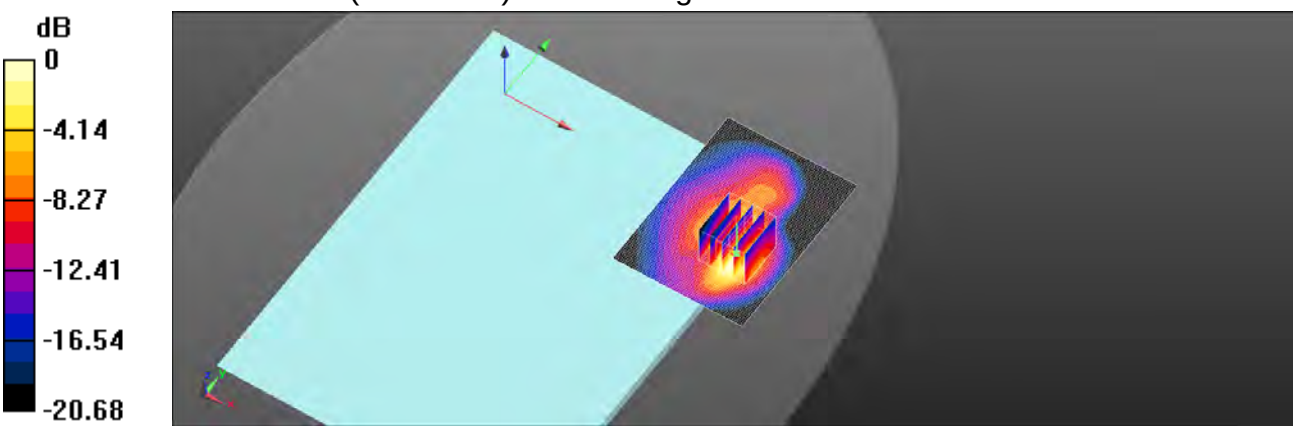
Report No. : E5/2021/50015
LTE Band 4 (20MHz)_Body_Back side_CH 20175_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 39.916; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.11, 9.11, 9.11); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.031 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.434 W/kg
Smallest distance from peaks to all points 3 dB below = 6.6 mm
Ratio of SAR at M2 to SAR at M1 = 56.5%
Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.57 dBW/kg

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Date: 2021/7/14

Report No. : E5/2021/50015

LTE Band 5 (10MHz)_Body_Back side_CH 20525_QPSK_1-0_0mm

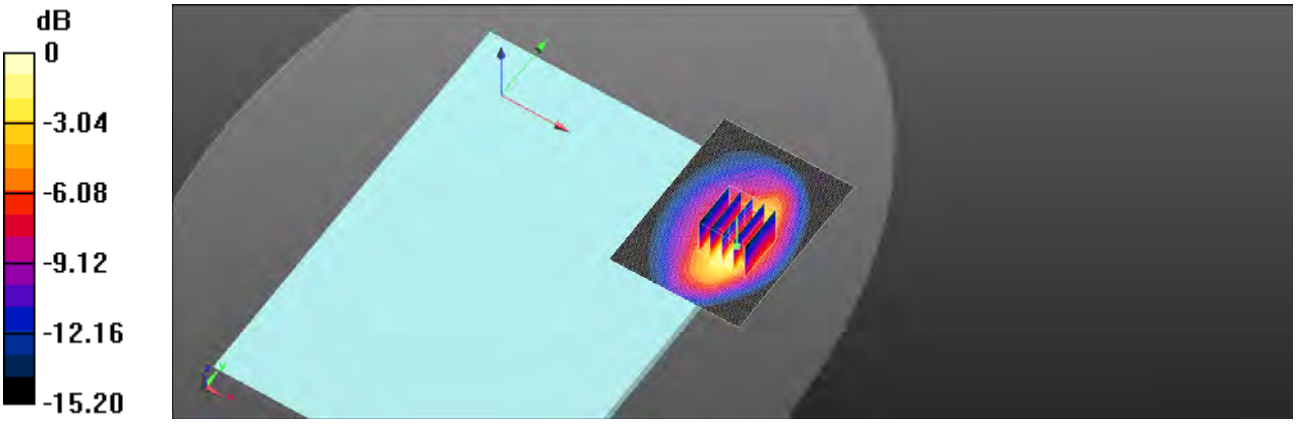
Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.904 S/m; ε_r = 41.237; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.962 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.389 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.386 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.9%
Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.23 dBW/kg

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Date: 2021/7/21

Report No. : E5/2021/50015

LTE Band 7 (20MHz)_Body_Back side_CH 21350_QPSK_1-0_0mm

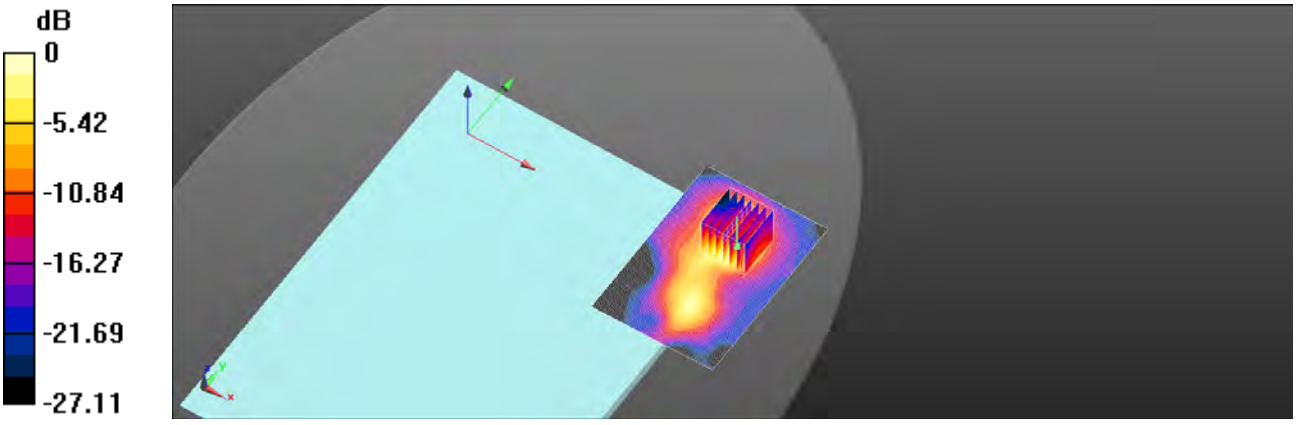
Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.892 S/m; ε_r = 38.71; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.255 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.344 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 1.34 W/kg



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

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Date: 2021/7/12

Report No. : E5/2021/50015

LTE Band 12 (10MHz)_Body_Back side_CH 23130_QPSK_1-0_0mm

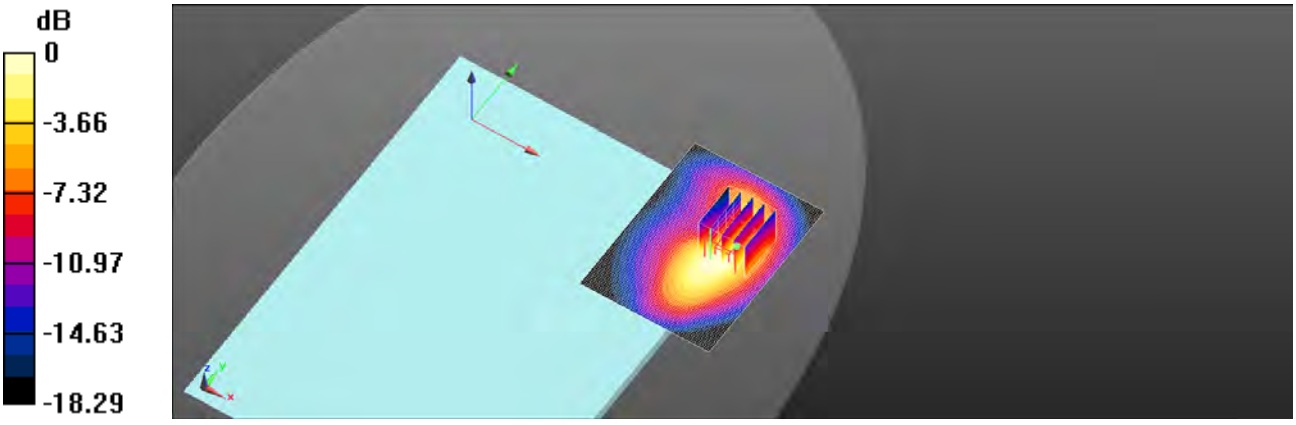
Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; σ = 0.884 S/m; ε_r = 41.834; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.714 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.489 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 51.4%
Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.85 dBW/kg

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Date: 2021/7/12

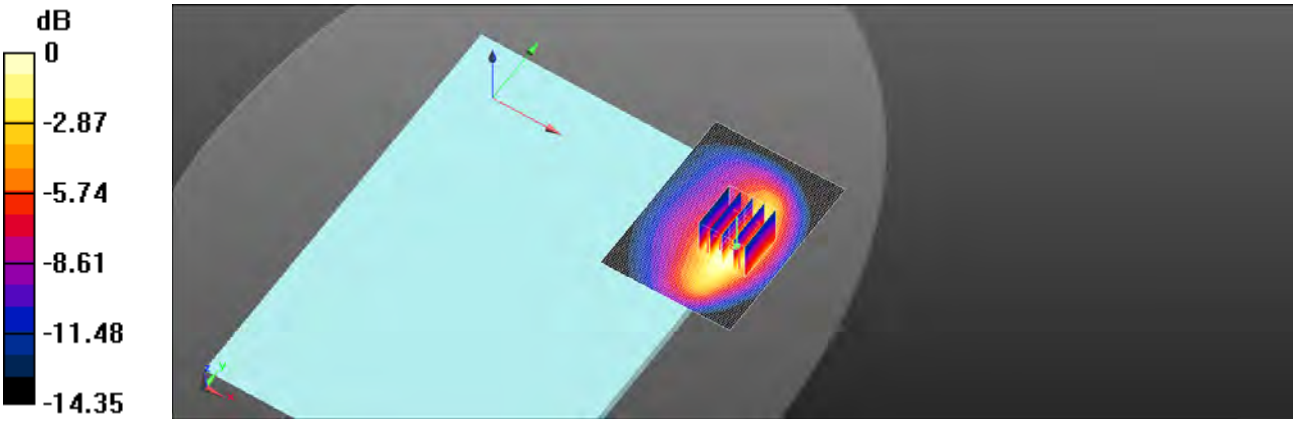
Report No. : E5/2021/50015
LTE Band 13 (10MHz)_Body_Back side_CH 23230_QPSK_1-0_0mm
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; σ = 0.889 S/m; ε_r = 41.465; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.16 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.836 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.474 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.7%
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

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Date: 2021/7/12

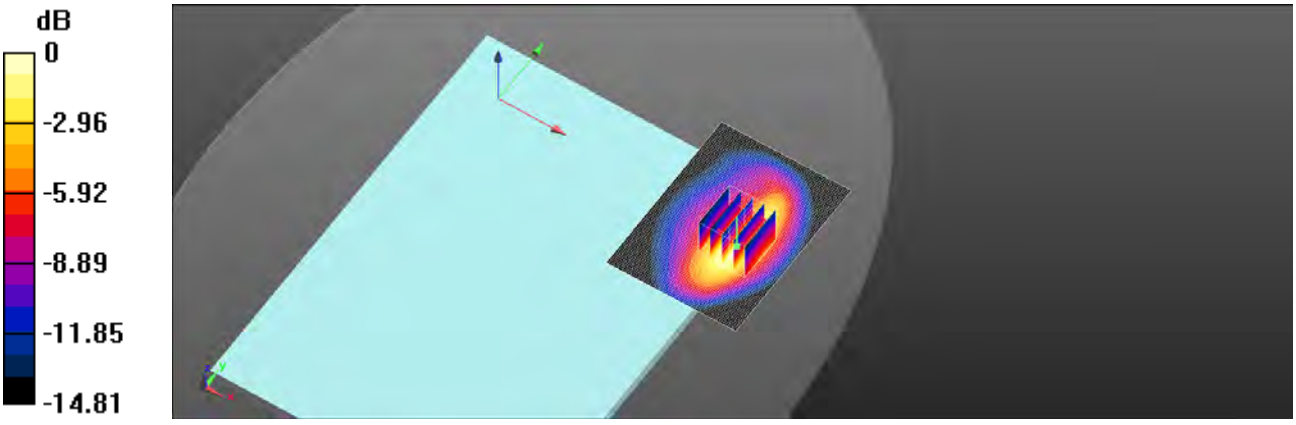
Report No. : E5/2021/50015
LTE Band 14 (10MHz)_Body_Back side_CH 23330_QPSK_1-0_0mm
Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used: f = 793 MHz; σ = 0.89 S/m; ε_r = 41.408; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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=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 = 2.603 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.442 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 51.8%
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.62 dBW/kg

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Date: 2021/7/17

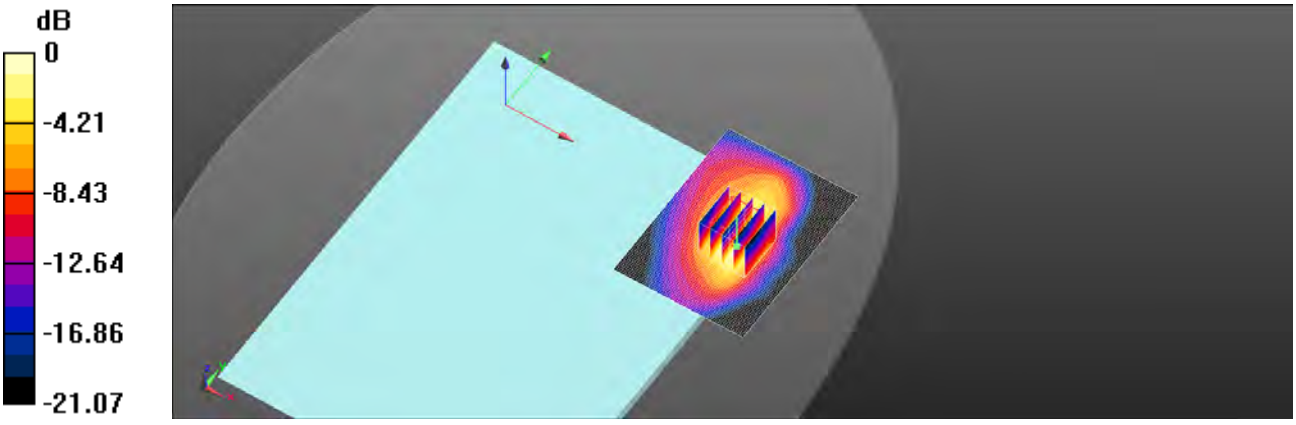
Report No. : E5/2021/50015
LTE Band 25 (20MHz)_Body_Back side_CH 26590_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1905 MHz; σ = 1.392 S/m; ε_r = 39.69; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.921 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.24 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.310 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 58.6%
Maximum value of SAR (measured) = 0.943 W/kg



0 dB = 0.943 W/kg = -0.26 dBW/kg

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Date: 2021/7/14

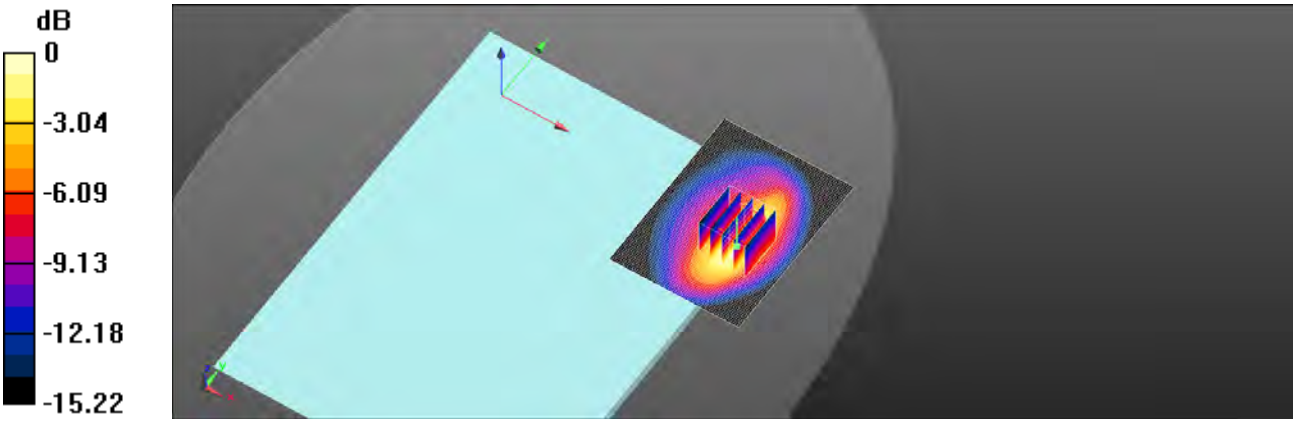
Report No. : E5/2021/50015
LTE Band 26 (15MHz)_Body_Back side_CH 26765_QPSK_1-0_0mm
Communication System: LTE; Frequency: 821.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 821.5 MHz; σ = 0.902 S/m; ε_r = 41.256; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.962 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.416 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.8%
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.54 dBW/kg

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Date: 2021/7/18

Report No. : E5/2021/50015

LTE Band 30 (10MHz)_Body_Top Curve side_CH 27710_QPSK_1-0_0mm

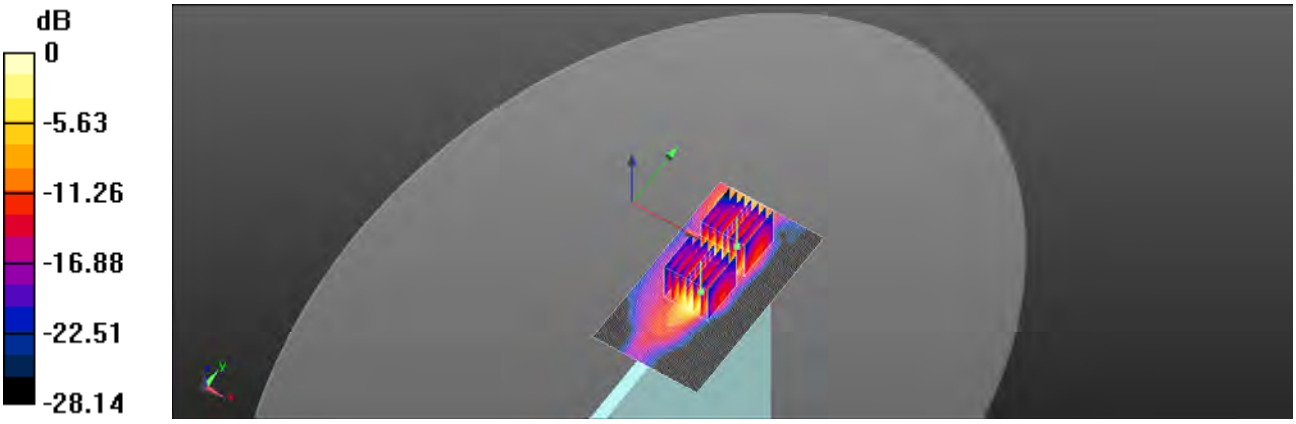
Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.683 S/m; ε_r = 39.259; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.31, 8.31, 8.31); Calibrated: 2021/4/26
- 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 (61x111x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.8680 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.266 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.3%
Maximum value of SAR (measured) = 1.25 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.8680 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.265 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 54.1%
Maximum value of SAR (measured) = 1.08 W/kg



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

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Date: 2021/7/21

Report No. : E5/2021/50015

LTE Band 38 (20MHz)_Body_Back side_CH 38150_QPSK_1-0_0mm

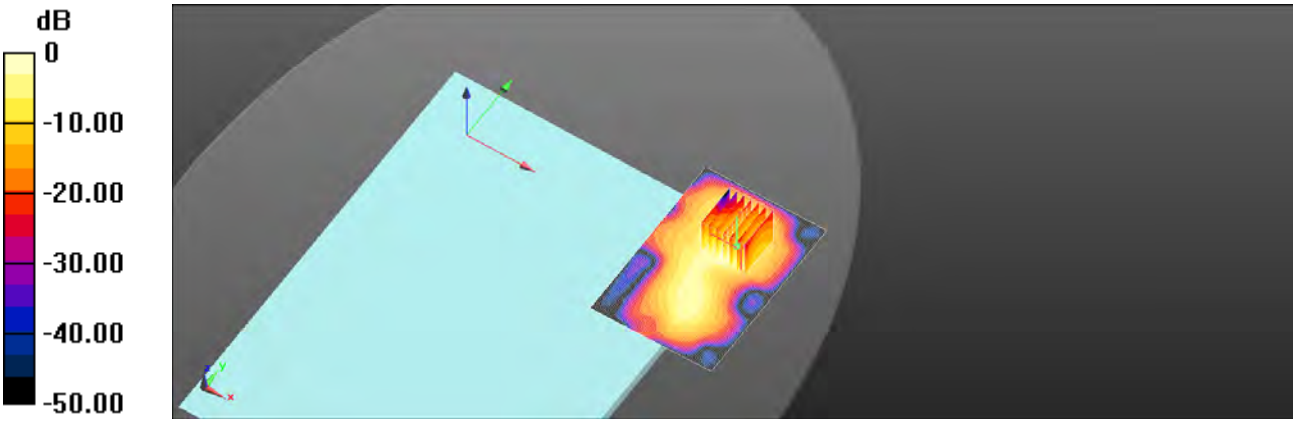
Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2610 MHz; σ = 1.937 S/m; ε_r = 38.646; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.019 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.814 W/kg; SAR(10 g) = 0.316 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 60%
Maximum value of SAR (measured) = 1.27 W/kg



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

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Date: 2021/7/21

Report No. : E5/2021/50015

LTE Band 41 (20MHz)_Body_Back side_CH 39750_QPSK_1-0_0mm

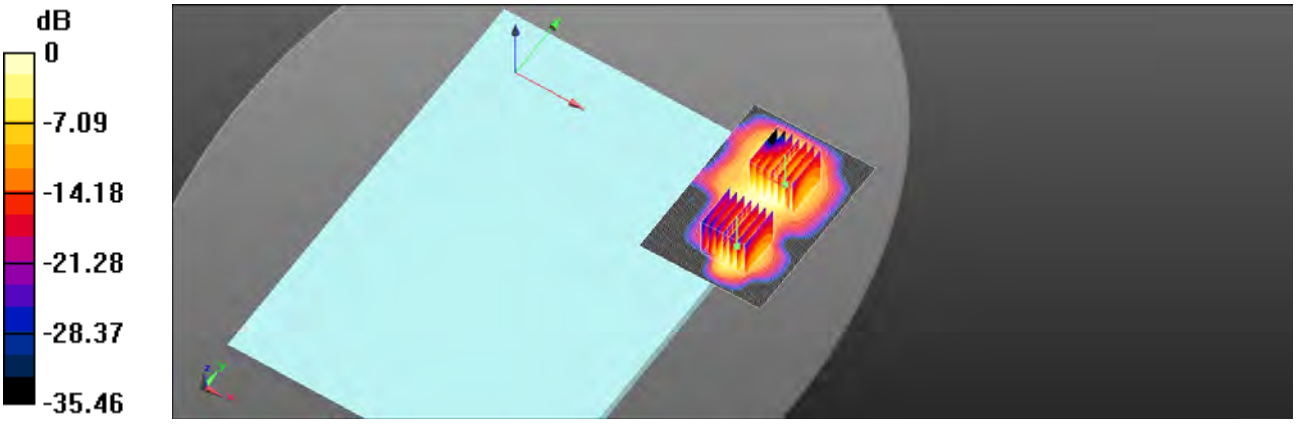
Communication System: LTE; Frequency: 2506 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2506 MHz; σ = 1.844 S/m; ε_r = 38.779; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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 (71x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.994 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.299 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 61.2%
Maximum value of SAR (measured) = 1.15 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.239 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.179 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 52.2%
Maximum value of SAR (measured) = 0.742 W/kg



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

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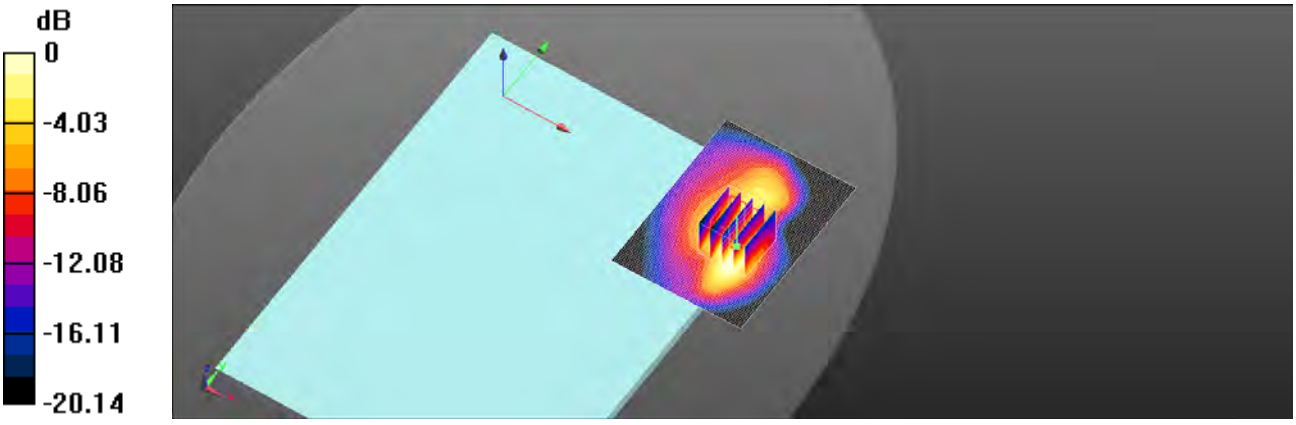
Report No. : E5/2021/50015
LTE Band 66 (20MHz)_Body_Back side_CH 132572_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.376 S/m; ε_r = 39.857; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.11, 9.11, 9.11); Calibrated: 2021/4/26
- 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=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 = 2.246 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.380 W/kg
Smallest distance from peaks to all points 3 dB below = 10.2 mm
Ratio of SAR at M2 to SAR at M1 = 53.9%
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.46 dBW/kg

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Date: 2021/7/22

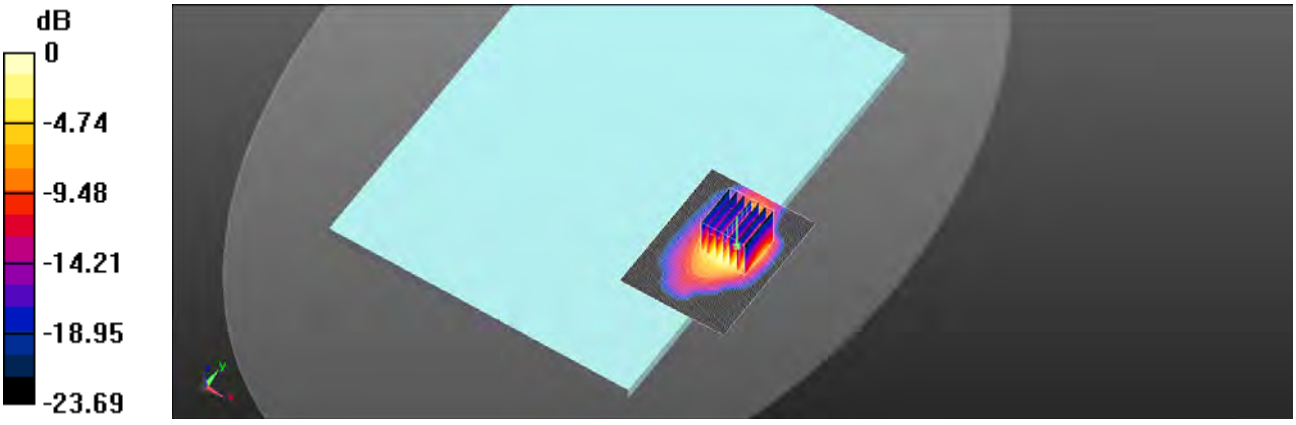
Report No. : E5/2021/50015
WLAN 802.11b_Body_Back side_CH 1_0mm_Main
Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:0.989
Medium parameters used: f = 2412 MHz; σ = 1.769 S/m; ε_r = 39.078; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.40 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.2165 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.818 W/kg; SAR(10 g) = 0.350 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 51.3%
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.22 dBW/kg

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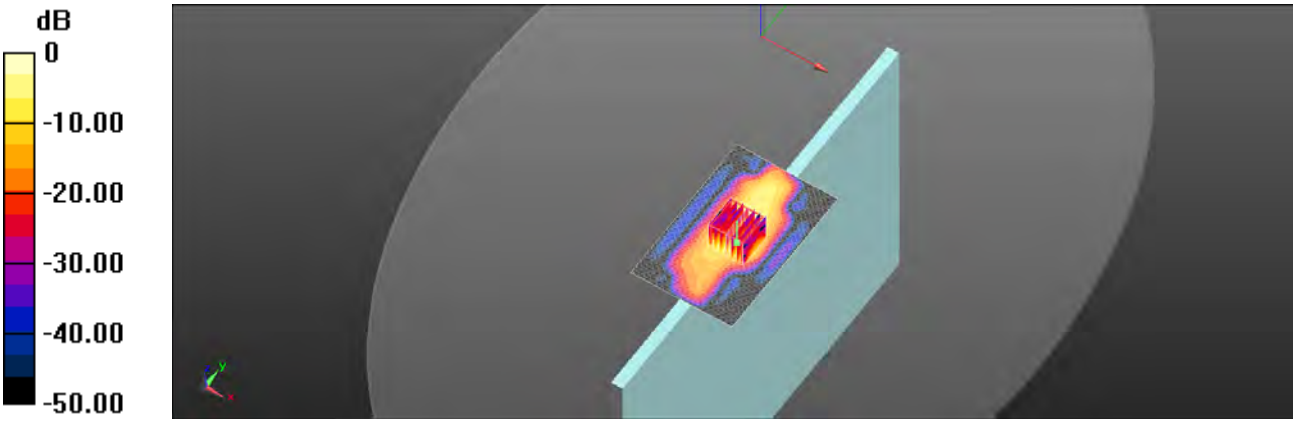
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.2G_Body_Top Curve side_CH 42_0mm_Main
Communication System: WLAN; Frequency: 5210 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5210 MHz; σ = 4.64 S/m; ε_r = 35.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 2.80 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.63 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 5.49 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.259 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 2.54 W/kg



0 dB = 2.54 W/kg = 4.05 dBW/kg

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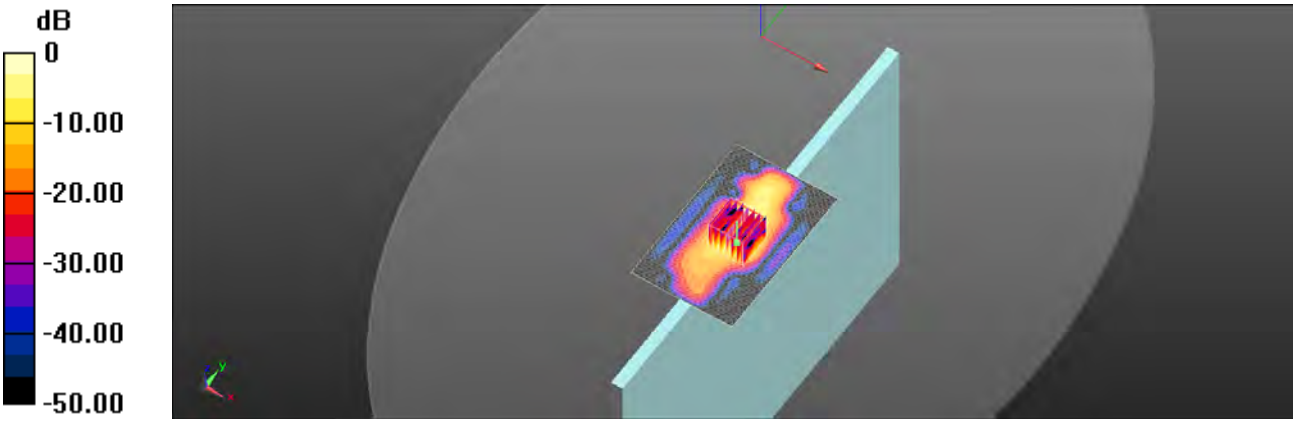
Report No. : E5/2021/50015
WLAN 802.11ac(160M) 5.2G_Body_Top side_CH 50_0mm_Main
Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5250 MHz; σ = 4.681 S/m; ε_r = 35.739; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 2.86 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.45 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 5.55 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.264 W/kg
Smallest distance from peaks to all points 3 dB below = 5.9 mm
Ratio of SAR at M2 to SAR at M1 = 52.6%
Maximum value of SAR (measured) = 2.70 W/kg



0 dB = 2.70 W/kg = 4.32 dBW/kg

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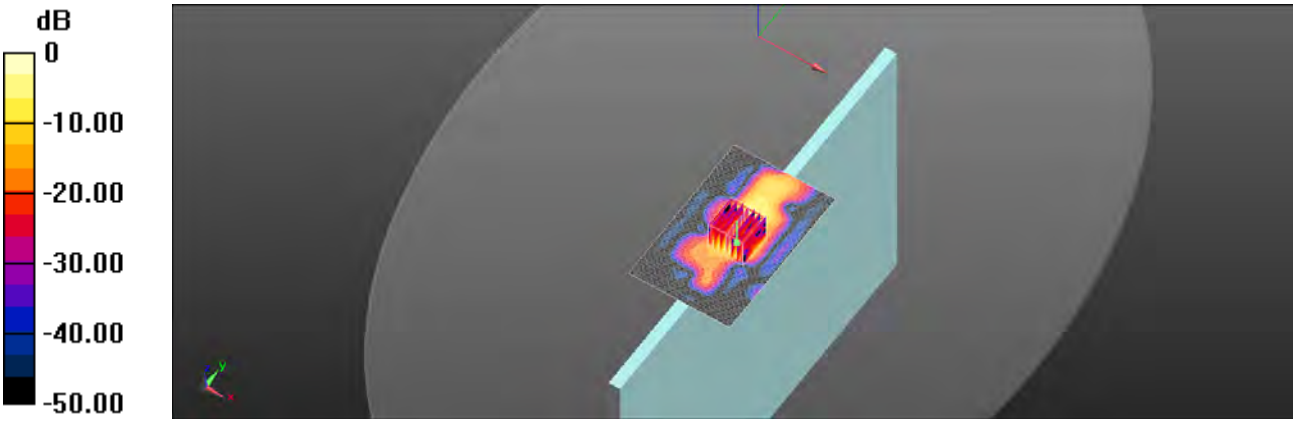
Report No. : E5/2021/50015
WLAN 802.11n(40M) 5.3G_Body_Top side_CH 54_0mm_Main
Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.988
Medium parameters used: f = 5270 MHz; σ = 4.701 S/m; ε_r = 35.716; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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) = 2.94 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.66 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.70 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.227 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.6%
Maximum value of SAR (measured) = 2.69 W/kg



0 dB = 2.69 W/kg = 4.29 dBW/kg

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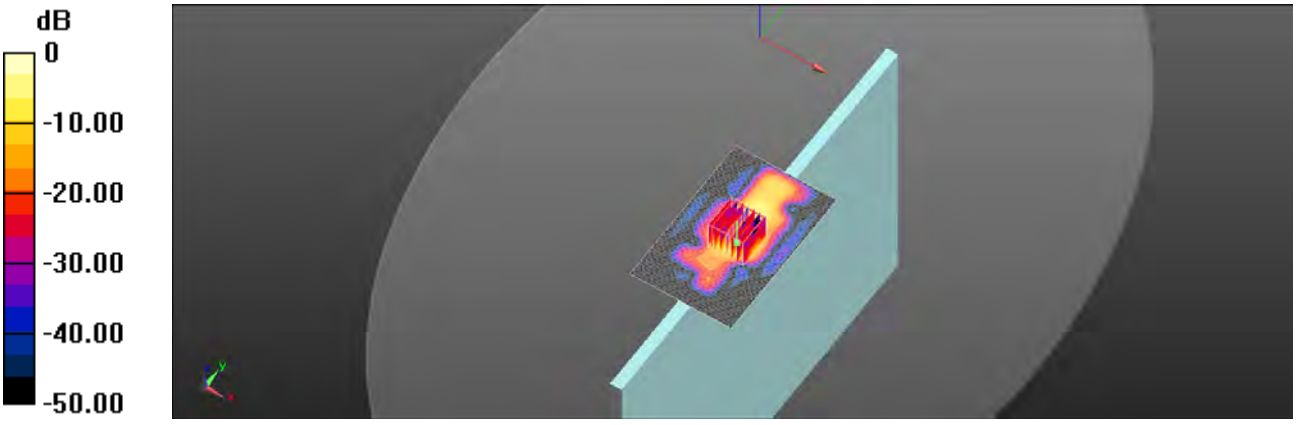
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.3G_Body_Top side_CH 58_0mm_Main
Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5290 MHz; σ = 4.720 S/m; ε_r = 35.694; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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) = 2.97 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 11.90 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 6.13 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.241 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 51.5%
Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 2.87 W/kg = 4.58 dBW/kg

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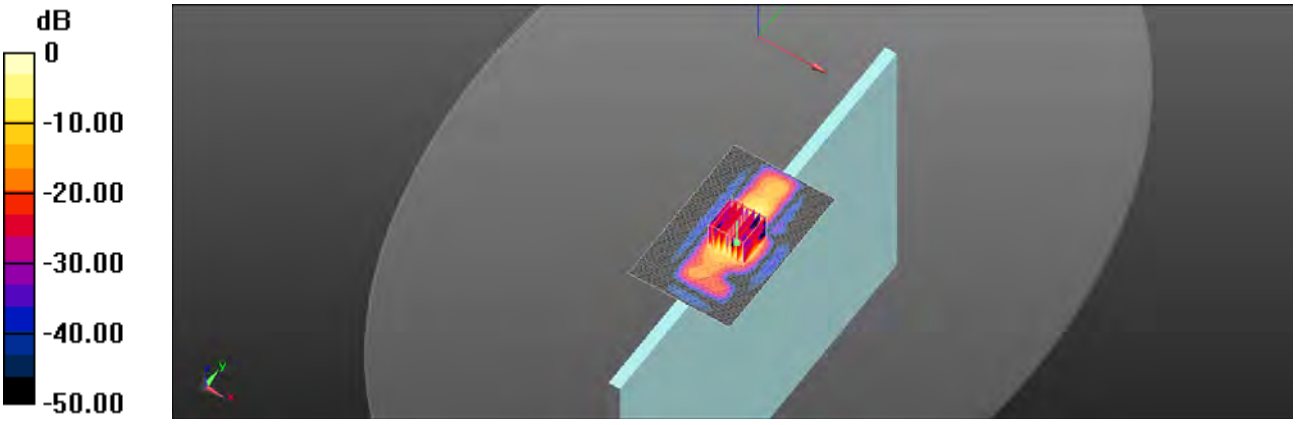
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.6G_Body_Top side_CH 138_0mm_Main
Communication System: WLAN; Frequency: 5690 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5690 MHz; σ = 5.13 S/m; ε_r = 35.236; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 2.94 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.765 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 6.72 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.225 W/kg
Smallest distance from peaks to all points 3 dB below = 4.7 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 2.91 W/kg



0 dB = 2.91 W/kg = 4.63 dBW/kg

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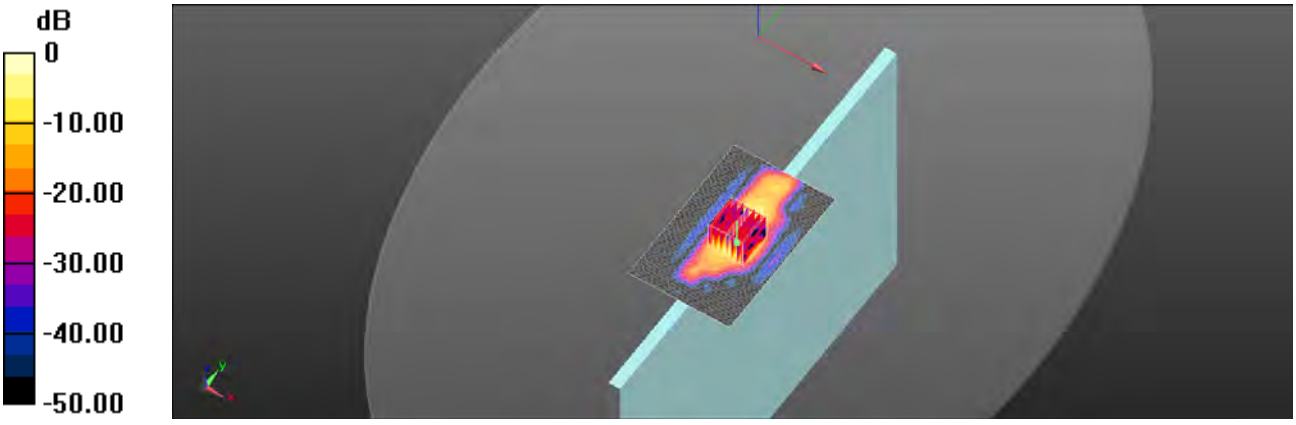
Report No. : E5/2021/50015
WLAN 802.11ac(160M) 5.6G_Body_Top side_CH 114_0mm_Main
Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5570 MHz; σ = 5.008 S/m; ε_r = 35.373; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 2.62 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.860 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.94 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.211 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 58.9%
Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg = 4.17 dBW/kg

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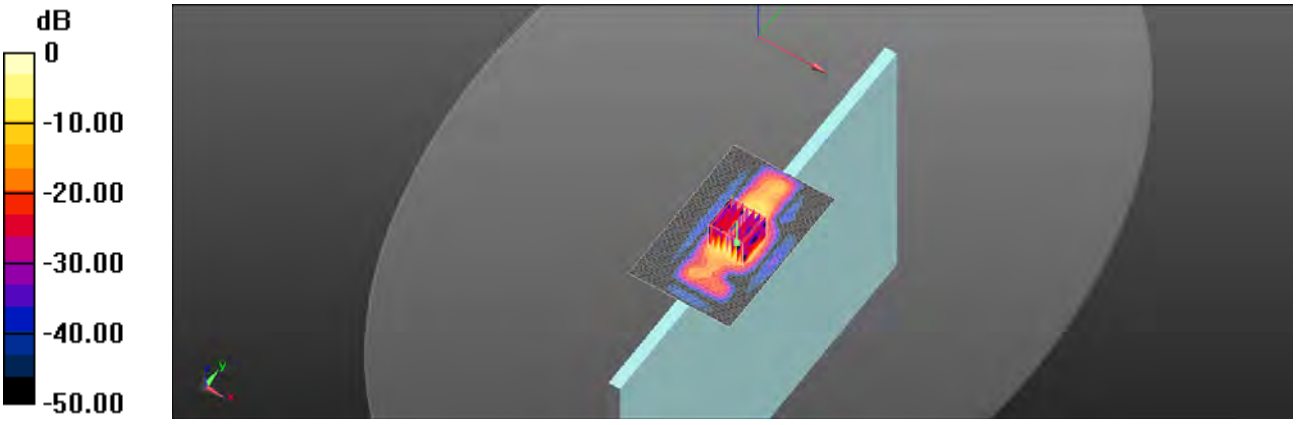
Report No. : E5/2021/50015
WLAN 802.11n(40M) 5.8G_Body_Top side_CH 159_0mm_Main
Communication System: WLAN; Frequency: 5795 MHz; Duty Cycle: 1:0.988
Medium parameters used: f = 5795 MHz; σ = 5.237 S/m; ε_r = 35.116; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 3.17 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.892 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 7.44 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.235 W/kg
Smallest distance from peaks to all points 3 dB below = 6.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.2%
Maximum value of SAR (measured) = 3.14 W/kg



0 dB = 3.14 W/kg = 4.97 dBW/kg

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Date: 2021/7/26

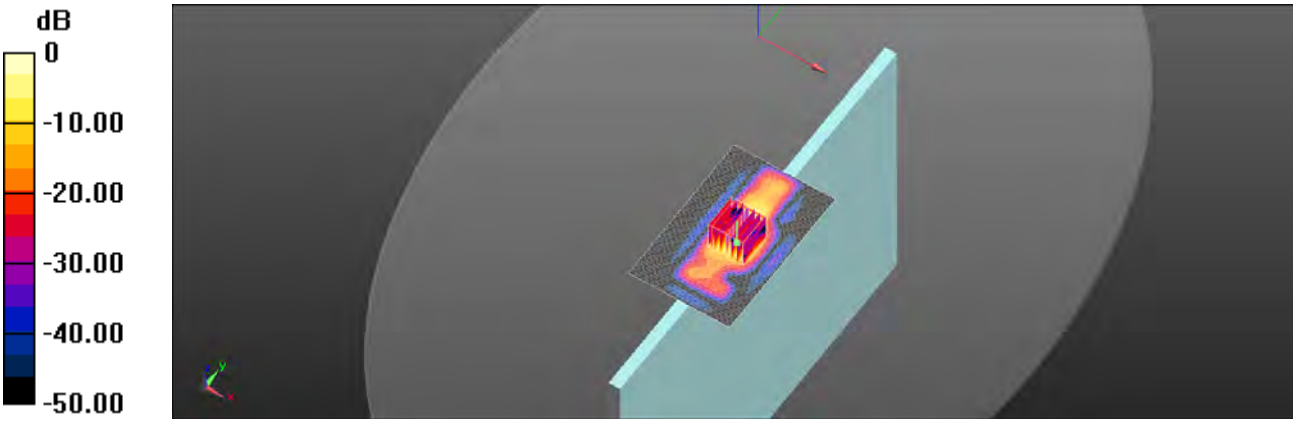
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.8G_Body_Top side_CH 155_0mm_Main
Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5775 MHz; σ = 5.217 S/m; ε_r = 35.139; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 3.16 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.119 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 7.36 W/kg
SAR(1 g) = 1.10 W/kg; SAR(10 g) = 0.231 W/kg
Smallest distance from peaks to all points 3 dB below = 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 57.4%
Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg

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Date: 2021/7/22

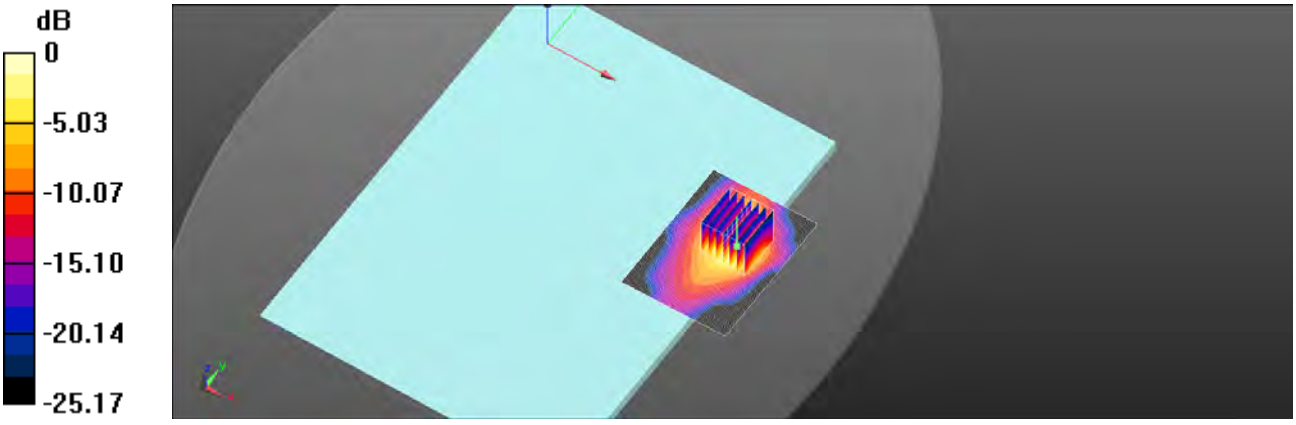
Report No. : E5/2021/50015
WLAN 802.11b_Body_Back side_CH 1_0mm_Aux
Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:0.989
Medium parameters used: f = 2412 MHz; σ = 1.769 S/m; ε_r = 39.078; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.997 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.1957 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.637 W/kg; SAR(10 g) = 0.270 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 53.6%
Maximum value of SAR (measured) = 1.04 W/kg



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

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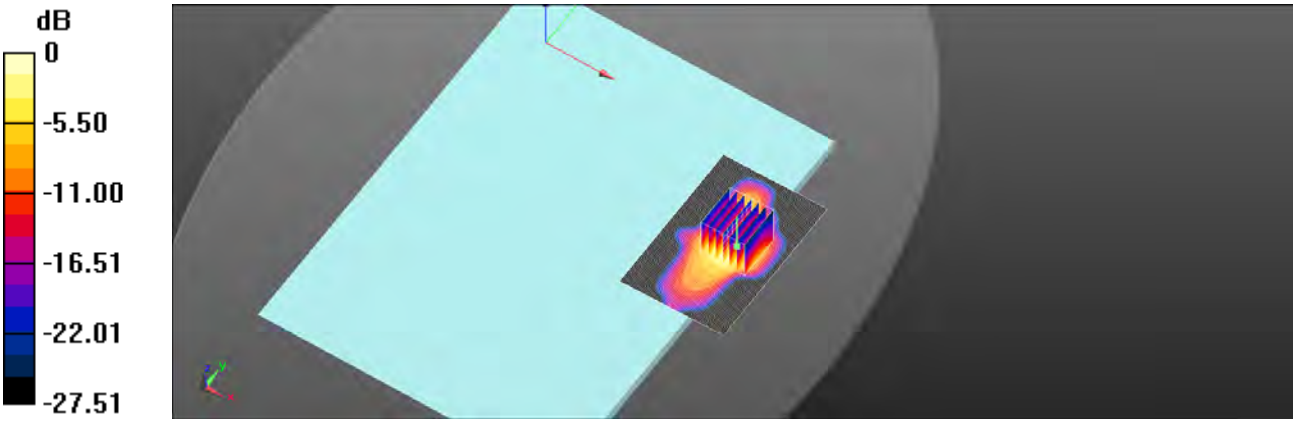
Report No. : E5/2021/50015
Bluetooth(GFSK)_Body_Back side_CH 78_0mm_Aux
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:0.772
Medium parameters used: f = 2480 MHz; σ = 1.828 S/m; ε_r = 38.972; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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) = 0.363 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.6847 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.095 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.381 W/kg = -4.19 dBW/kg

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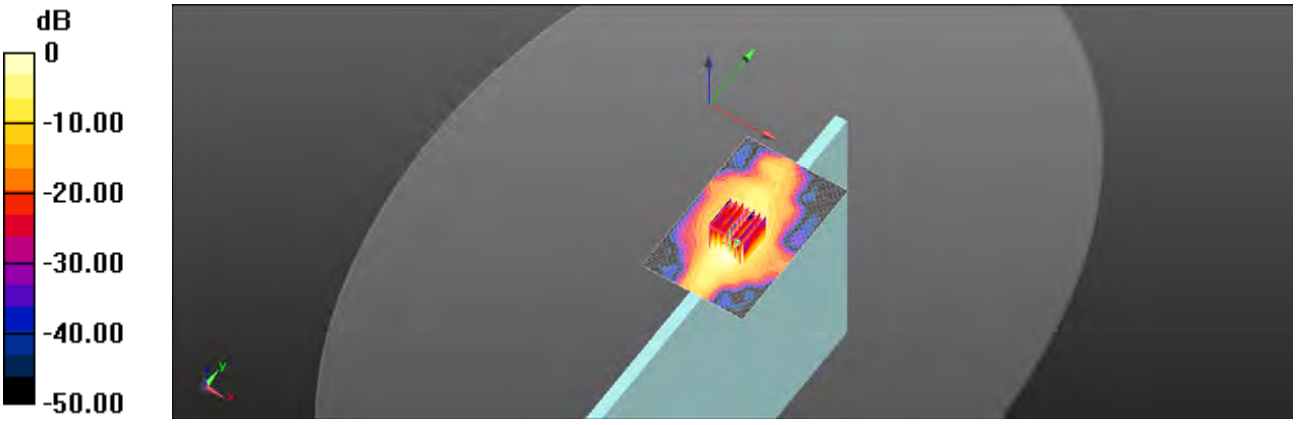
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.2G_Body_Top Curve side_CH 42_0mm_Aux
Communication System: WLAN; Frequency: 5210 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5210 MHz; σ = 4.64 S/m; ε_r = 35.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 1.84 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.013 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 0.895 W/kg; SAR(10 g) = 0.290 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 55.5%
Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.84 W/kg = 2.64 dBW/kg

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Date: 2021/7/23

Report No. : E5/2021/50015

WLAN 802.11ac(160M) 5.2G_Body_Top Curve side_CH 50_0mm_Aux

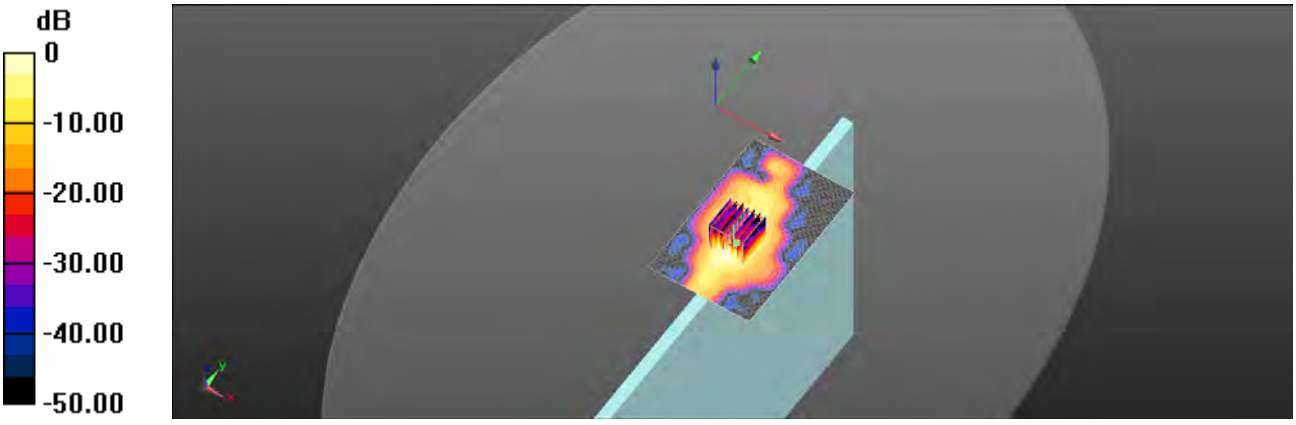
Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5250 MHz; σ = 4.681 S/m; ε_r = 35.739; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 1.67 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.223 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.259 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 1.75 W/kg = 2.43 dBW/kg

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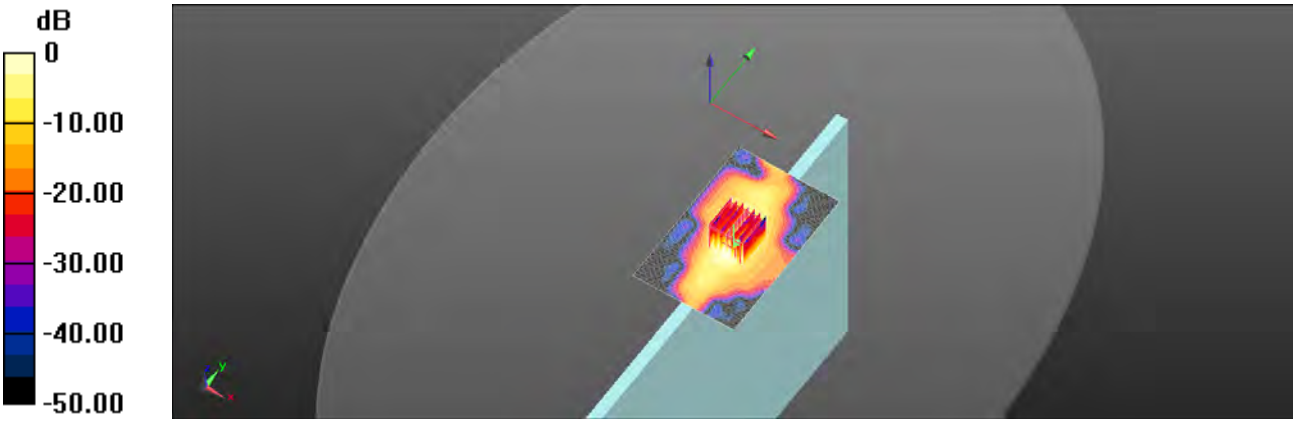
Report No. : E5/2021/50015
WLAN 802.11n(40M) 5.3G_Body_Top Curve side_CH 54_0mm_Aux
Communication System: WLAN; Frequency: 5270 MHz; Duty Cycle: 1:0.988
Medium parameters used: f = 5270 MHz; σ = 4.701 S/m; ε_r = 35.716; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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) = 1.89 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.261 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.305 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 56.2%
Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.02 W/kg = 3.05 dBW/kg

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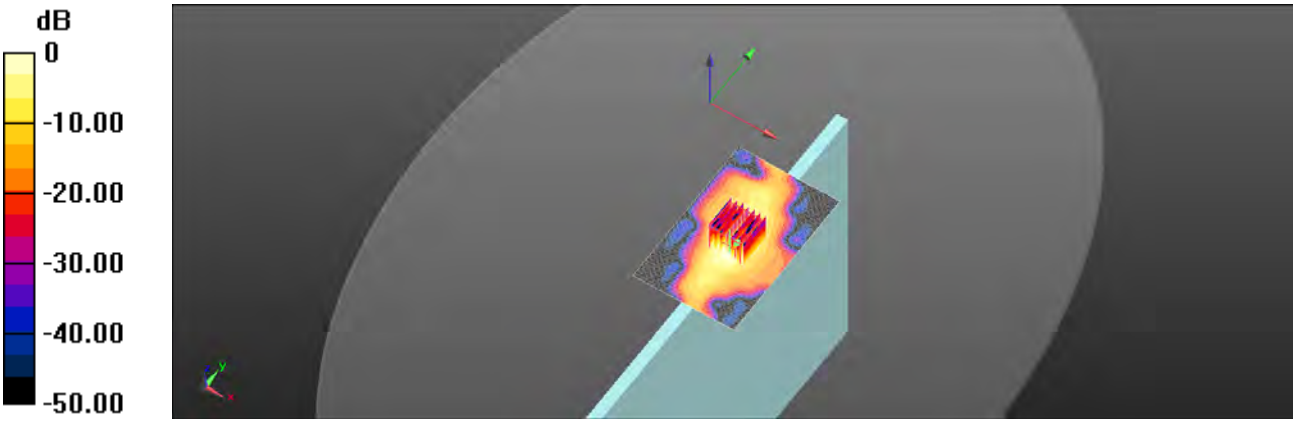
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.3G_Body_Top Curve side_CH 58_0mm_Aux
Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5290 MHz; σ = 4.720 S/m; ε_r = 35.694; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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 = 7.494 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.28 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.316 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 54.3%
Maximum value of SAR (measured) = 2.12 W/kg



0 dB = 2.12 W/kg = 3.25 dBW/kg

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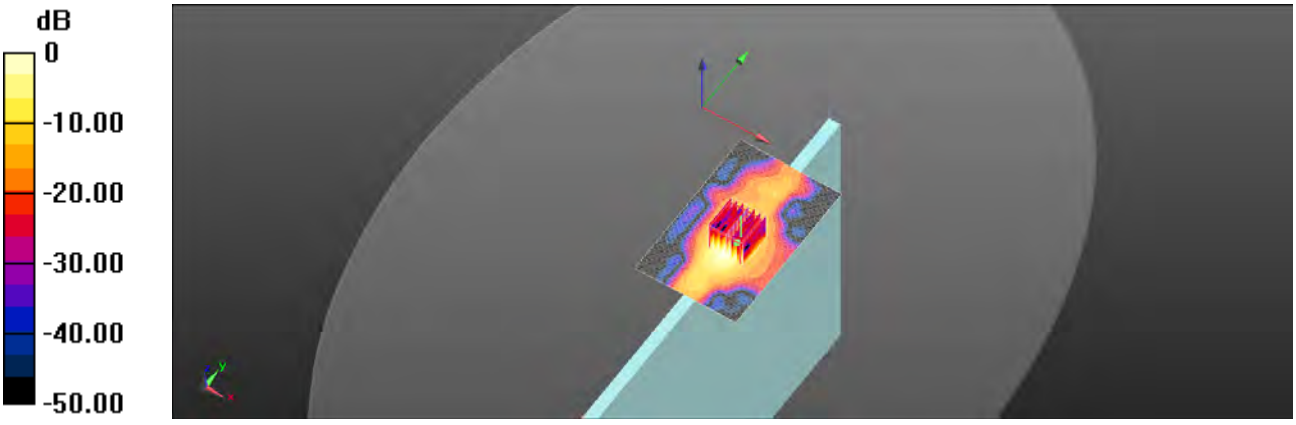
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.6G_Body_Top side_CH 138_0mm_Aux
Communication System: WLAN; Frequency: 5690 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5690 MHz; σ = 5.13 S/m; ε_r = 35.236; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 2.95 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.940 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 6.44 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.324 W/kg
Smallest distance from peaks to all points 3 dB below = 6.5 mm
Ratio of SAR at M2 to SAR at M1 = 59%
Maximum value of SAR (measured) = 2.77 W/kg



0 dB = 2.77 W/kg = 4.42 dBW/kg

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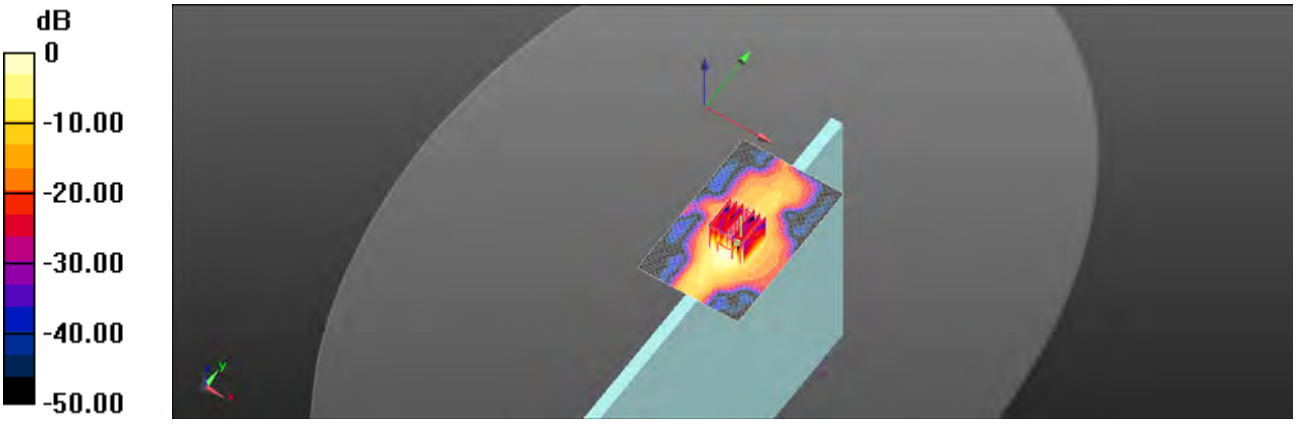
Report No. : E5/2021/50015
WLAN 802.11ac(160M) 5.6G_Body_Top side_CH 114_0mm_Aux
Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:0.982
Medium parameters used: f = 5570 MHz; σ = 5.008 S/m; ε_r = 35.373; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 2.62 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.508 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 5.46 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.322 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.4%
Maximum value of SAR (measured) = 2.36 W/kg



0 dB = 2.36 W/kg = 3.73 dBW/kg

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Date: 2021/7/26

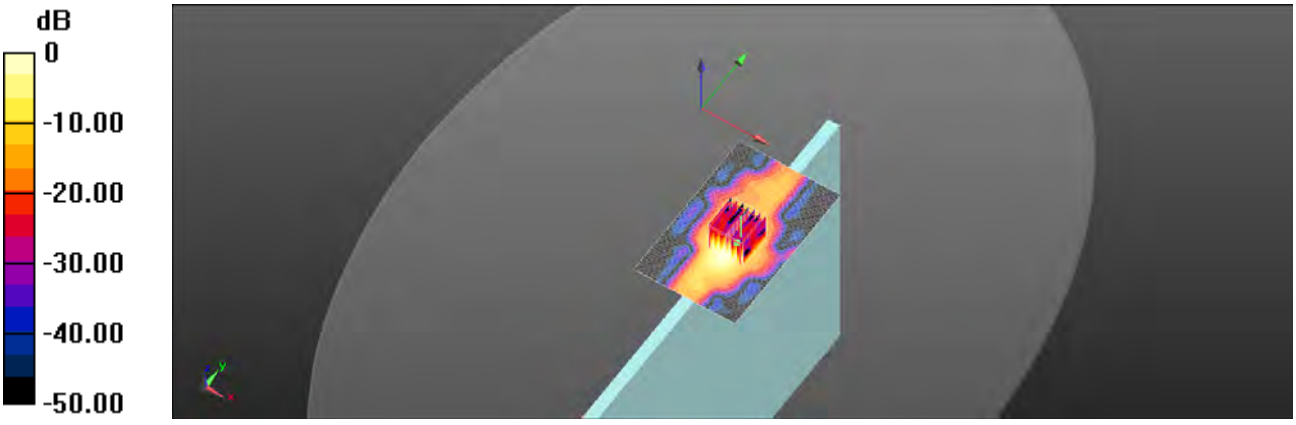
Report No. : E5/2021/50015
WLAN 802.11n(40M) 5.8G_Body_Top side_CH 151_0mm_Aux
Communication System: WLAN 5G; Frequency: 5755 MHz; Duty Cycle: 1:0.988
Medium parameters used: f = 5755 MHz; σ = 5.196 S/m; ε_r = 35.161; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 2.76 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.350 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.51 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.305 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 58.7%
Maximum value of SAR (measured) = 2.66 W/kg



0 dB = 2.66 W/kg = 4.26 dBW/kg

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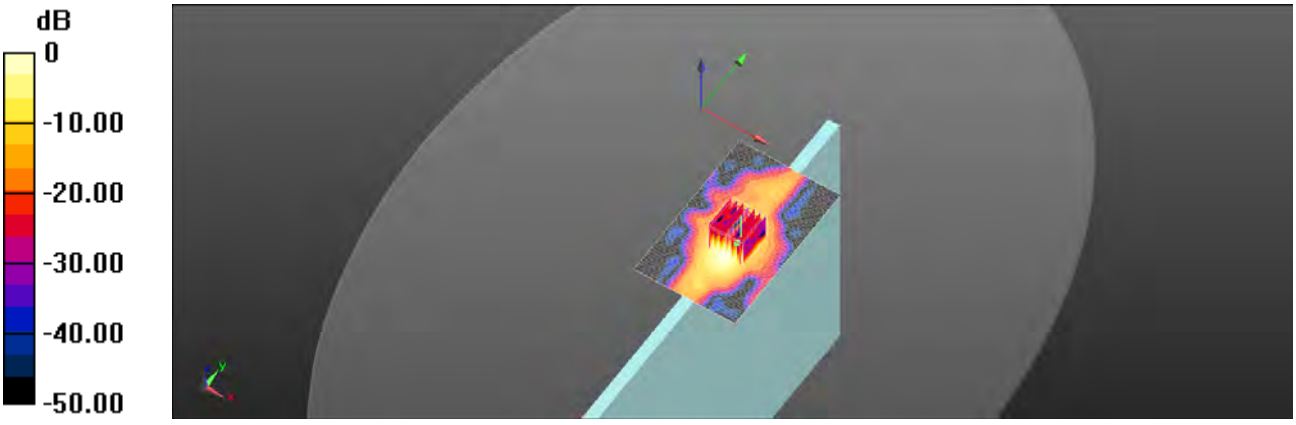
Report No. : E5/2021/50015
WLAN 802.11ac(80M) 5.8G_Body_Top side_CH 155_0mm_Aux
Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:0.984
Medium parameters used: f = 5775 MHz; σ = 5.217 S/m; ε_r = 35.139; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 2.48 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.894 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 5.70 W/kg
SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.271 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 53.2%
Maximum value of SAR (measured) = 2.40 W/kg



0 dB = 2.40 W/kg = 3.80 dBW/kg

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6. SAR System Performance Verification

Date: 2021/7/11

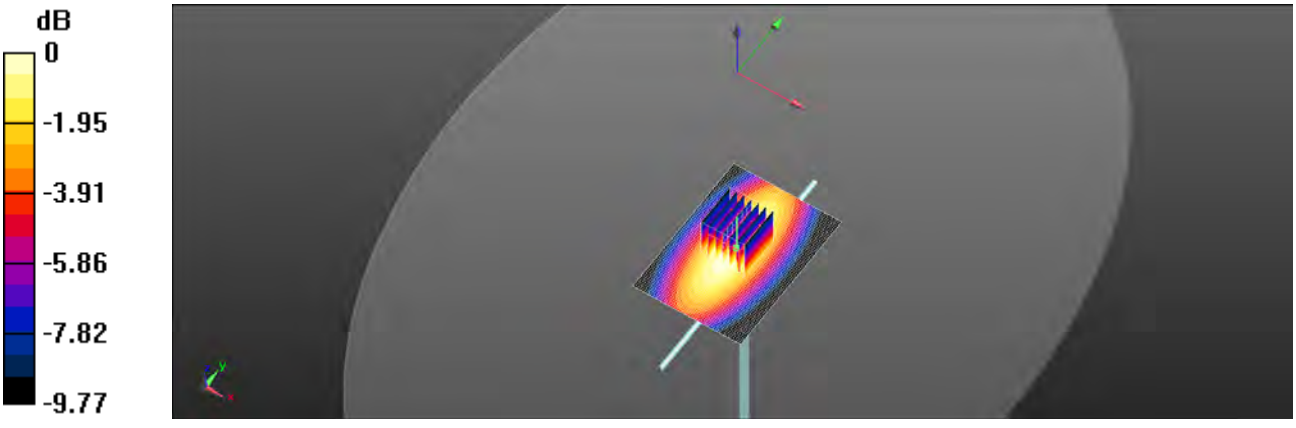
Report No. : E5/2021/50015
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.889 S/m; ε_r = 41.752; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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 (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.40 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.15 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.37 W/kg
Smallest distance from peaks to all points 3 dB below = 9.4 mm
Ratio of SAR at M2 to SAR at M1 = 69%
Maximum value of SAR (measured) = 2.44 W/kg



0 dB = 2.44 W/kg = 3.87 dBW/kg

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Date: 2021/7/12

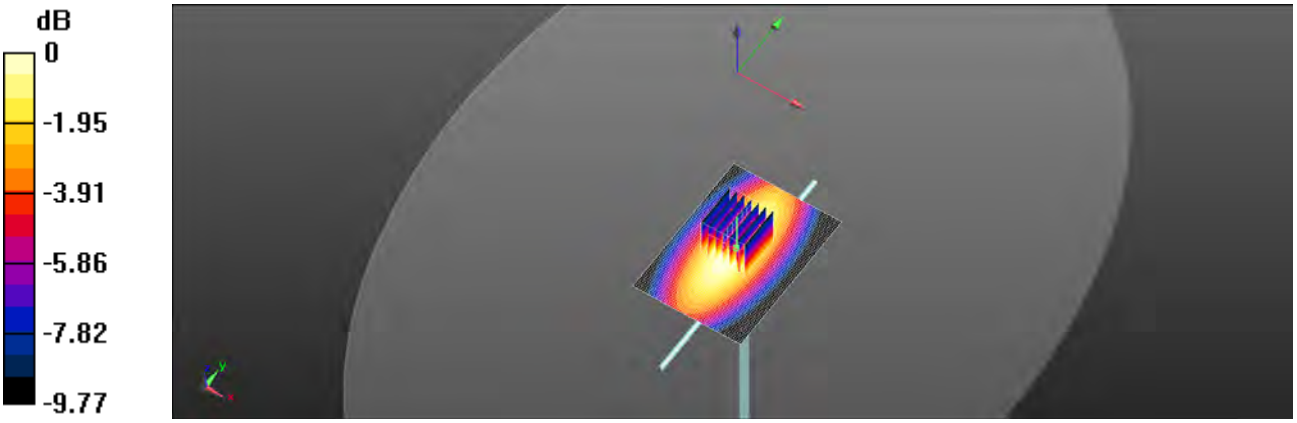
Report No. : E5/2021/50015
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.886 S/m; ε_r = 41.632; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(10.29, 10.29, 10.29); Calibrated: 2021/4/26
- 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 (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.40 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.08 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.38 W/kg
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 66.1%
Maximum value of SAR (measured) = 2.44 W/kg



0 dB = 2.44 W/kg = 3.87 dBW/kg

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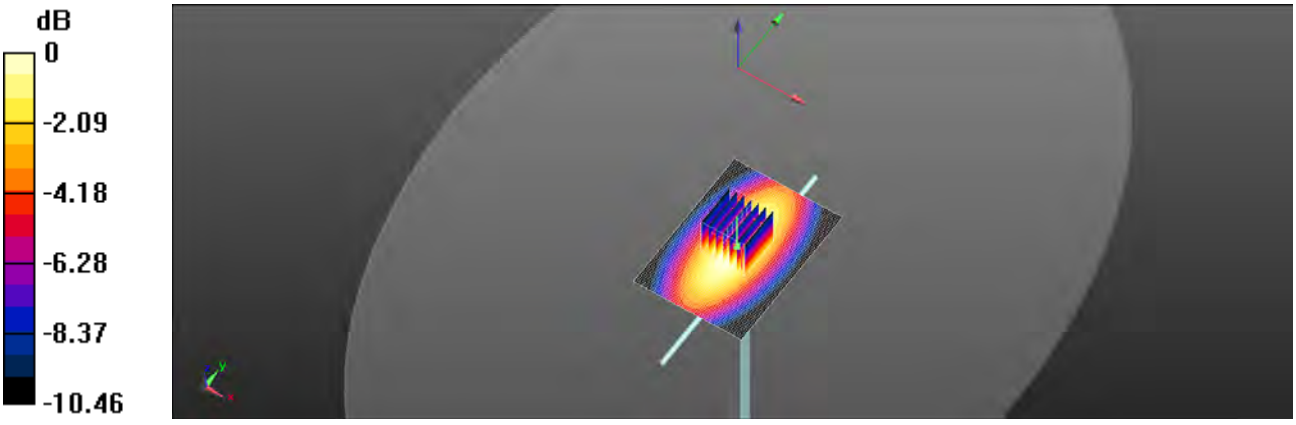
Report No. : E5/2021/50015
Dipole 835 MHz_SN:4d063
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.906 S/m; ε_r = 41.365; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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 (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.56 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.70 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.52 W/kg
Smallest distance from peaks to all points 3 dB below = 22.6 mm
Ratio of SAR at M2 to SAR at M1 = 67.5%
Maximum value of SAR (measured) = 2.59 W/kg



0 dB = 2.59 W/kg = 4.14 dBW/kg

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Date: 2021/7/14

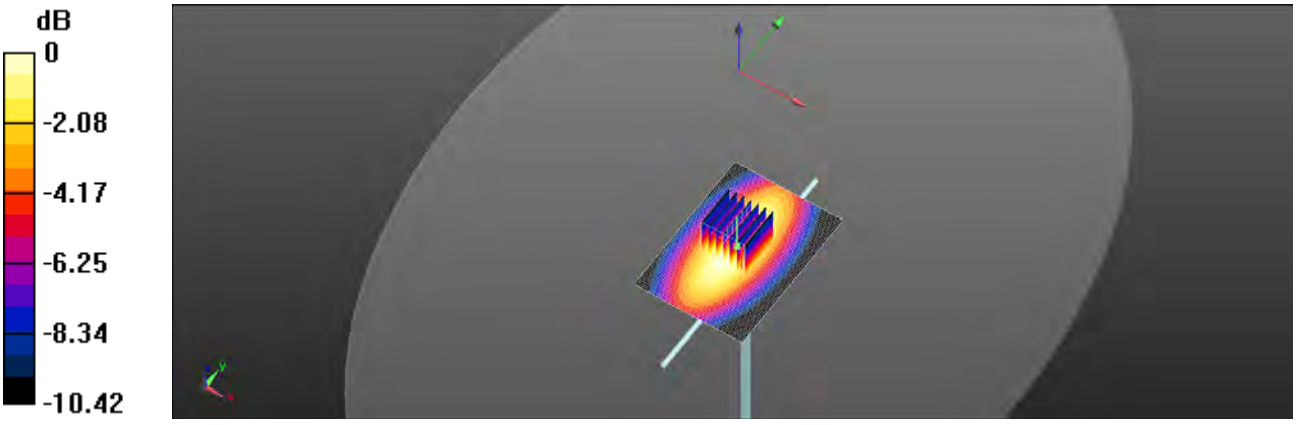
Report No. : E5/2021/50015
Dipole 835 MHz_SN:4d063
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.903 S/m; ε_r = 41.245; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.97, 9.97, 9.97); Calibrated: 2021/4/26
- 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 (51x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.60 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.05 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.06 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.55 W/kg
Smallest distance from peaks to all points 3 dB below = 11.1 mm
Ratio of SAR at M2 to SAR at M1 = 62.9%
Maximum value of SAR (measured) = 2.62 W/kg



0 dB = 2.62 W/kg = 4.18 dBW/kg

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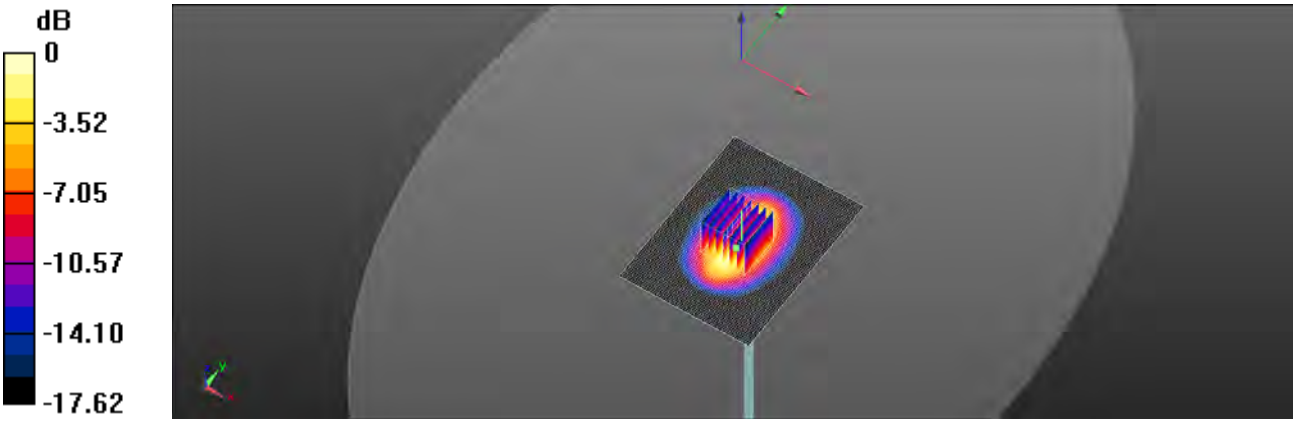
Report No. : E5/2021/50015
Dipole 1750 MHz_SN:1008
Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.365 S/m; ε_r = 39.889; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(9.11, 9.11, 9.11); Calibrated: 2021/4/26
- 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=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 11.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.73 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 8.83 W/kg; SAR(10 g) = 4.76 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 55.2%
Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg = 10.35 dBW/kg

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Date: 2021/7/16

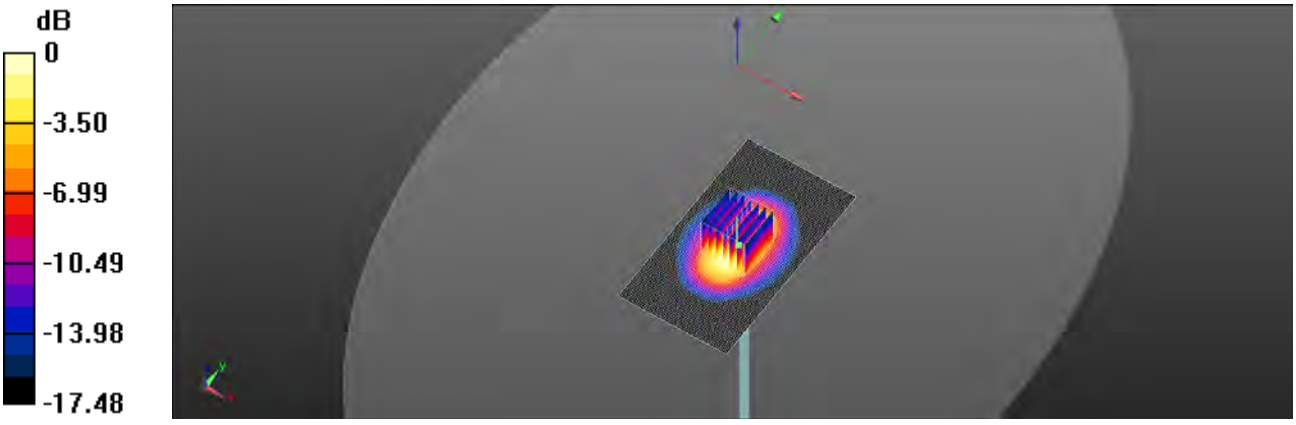
Report No. : E5/2021/50015
Dipole 1900 MHz_SN:5d173
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.397 S/m; ε_r = 39.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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 (51x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.29 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 14.7 W/kg
SAR(1 g) = 9.86 W/kg; SAR(10 g) = 5.17 W/kg
Smallest distance from peaks to all points 3 dB below = 11.8 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.5 W/kg = 10.60 dBW/kg

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Date: 2021/7/17

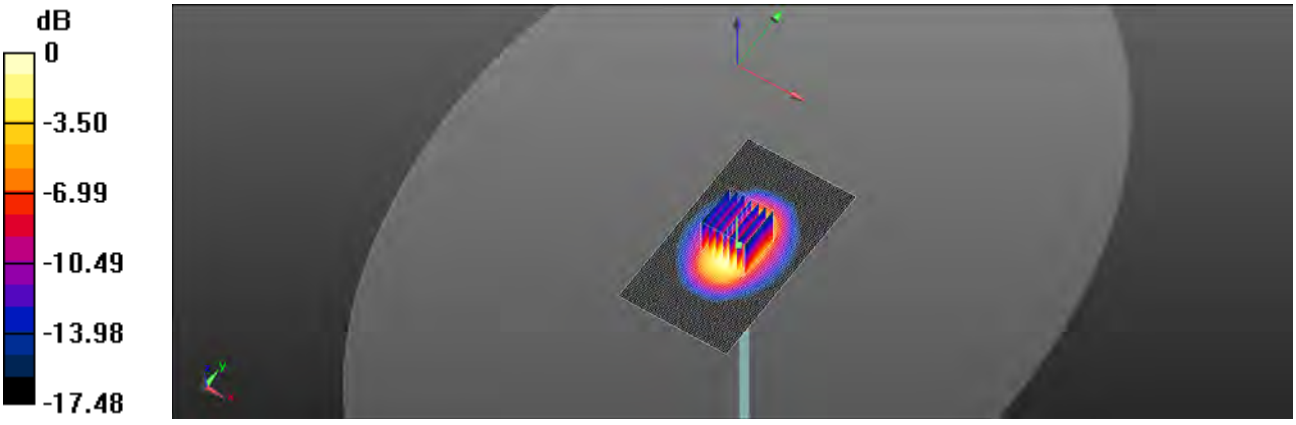
Report No. : E5/2021/50015
Dipole 1900 MHz_SN:5d173
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.392 S/m; ε_r = 39.69; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.74, 8.74, 8.74); Calibrated: 2021/4/26
- 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 (51x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 12.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.29 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 14.7 W/kg
SAR(1 g) = 9.82 W/kg; SAR(10 g) = 5.11 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 55%
Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.5 W/kg = 10.60 dBW/kg

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Date: 2021/7/18

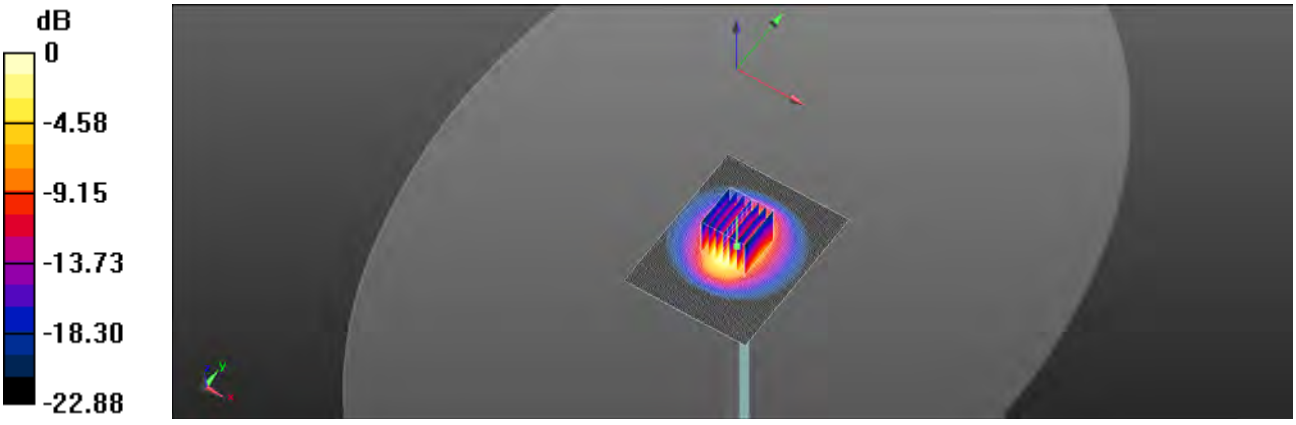
Report No. : E5/2021/50015
Dipole 2300 MHz_SN:1023
Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2300 MHz; σ = 1.674 S/m; ε_r = 39.277; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.31, 8.31, 8.31); Calibrated: 2021/4/26
- 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) = 14.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.20 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 19.8 W/kg
SAR(1 g) = 12.3 W/kg; SAR(10 g) = 6.03 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 57.3%
Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg = 11.55 dBW/kg

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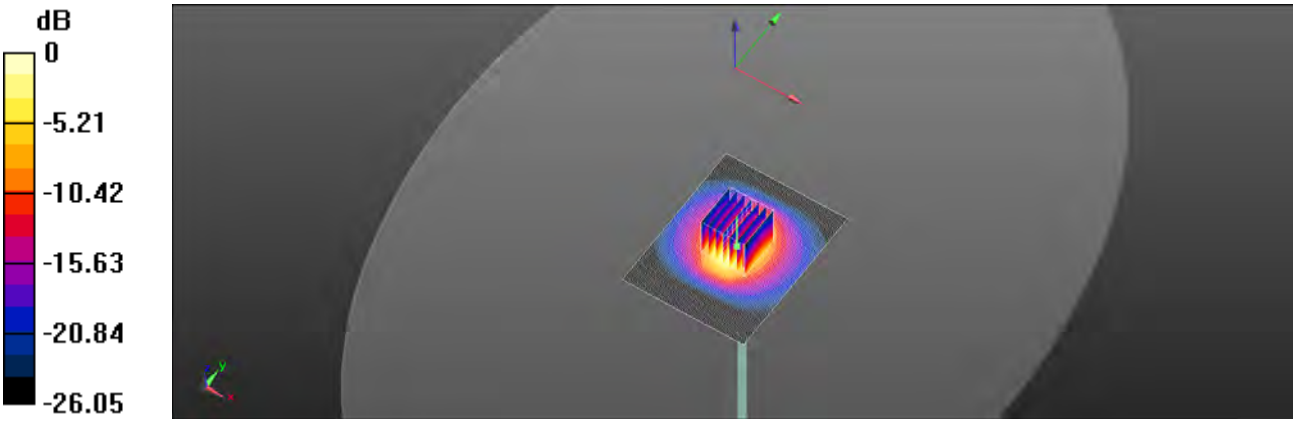
Report No. : E5/2021/50015
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.935 S/m; ε_r = 38.819; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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) = 16.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.81 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 23.3 W/kg
SAR(1 g) = 14.7 W/kg; SAR(10 g) = 6.44 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 53.1%
Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.2 W/kg = 12.11 dBW/kg

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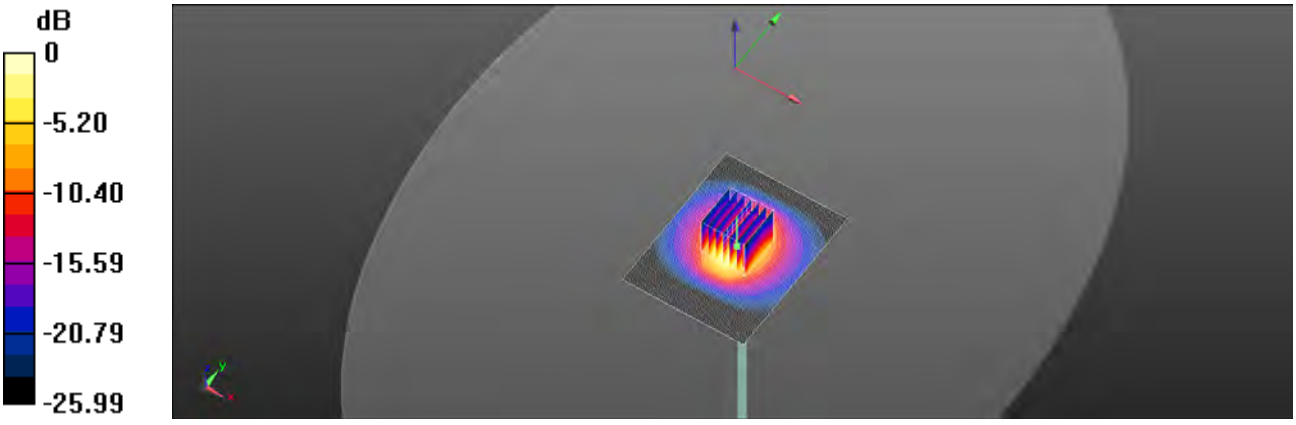
Report No. : E5/2021/50015
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.93 S/m; ε_r = 38.699; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.5°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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) = 16.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.98 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 22.7 W/kg
SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.48 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 56.6%
Maximum value of SAR (measured) = 15.8 W/kg



0 dB = 15.8 W/kg = 11.99 dBW/kg

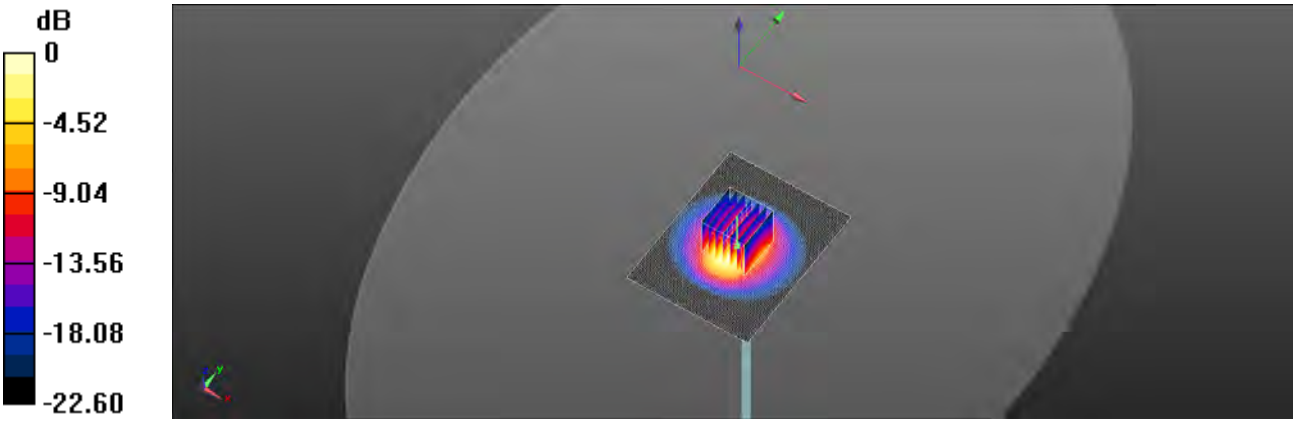
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Report No. : E5/2021/50015
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.928 S/m; ε_r = 38.659; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.9°C
DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(7.97, 7.97, 7.97); Calibrated: 2021/4/26
- 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) = 23.7 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 108.8 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 29.9 W/kg
SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.51 W/kg
Smallest distance from peaks to all points 3 dB below = 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.7%
Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.45 dBW/kg

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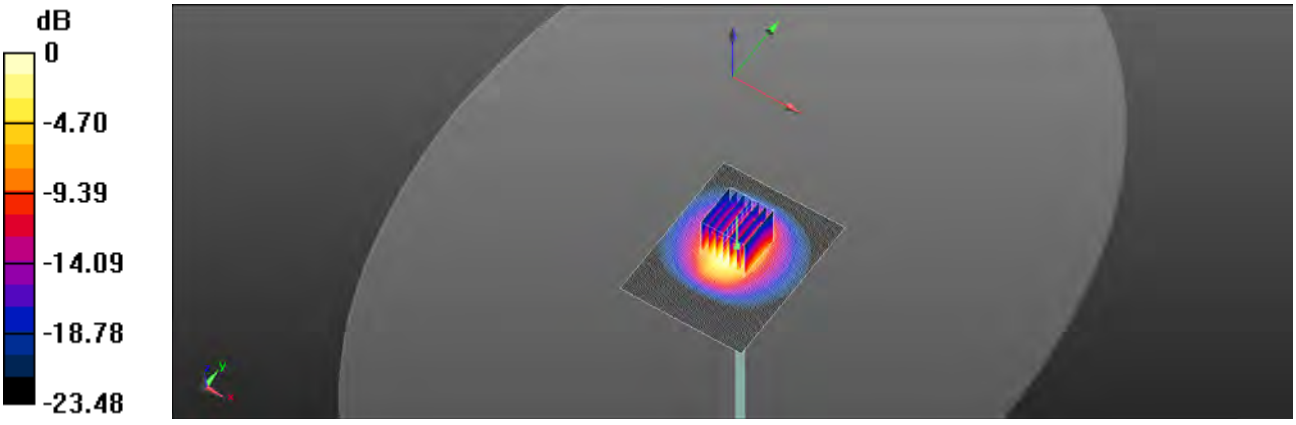
Report No. : E5/2021/50015
Dipole 2450 MHz_SN:727
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.801 S/m; ε_r = 39.01; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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) = 14.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 81.43 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 19.2 W/kg
SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.27 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 56.1%
Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg = 11.40 dBW/kg

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Date: 2021/7/22

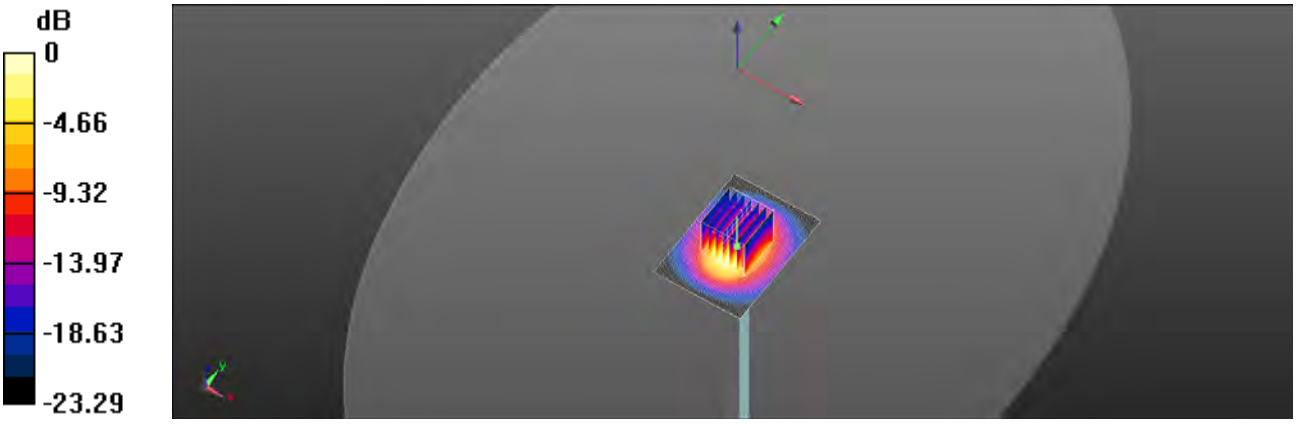
Report No. : E5/2021/50015
Dipole 2450 MHz_SN:727
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.801 S/m; ε_r = 39.01; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(8.18, 8.18, 8.18); Calibrated: 2021/4/26
- 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 (51x71x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 17.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.48 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 21.3 W/kg
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.21 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 55.9%
Maximum value of SAR (measured) = 15.4 W/kg



0 dB = 15.4 W/kg = 11.87 dBW/kg

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Date: 2021/7/23

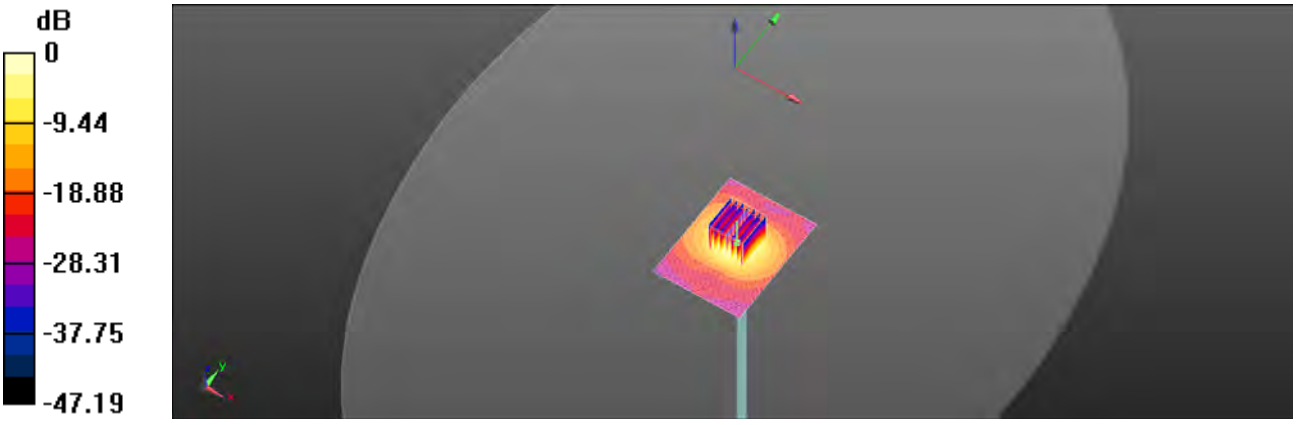
Report No. : E5/2021/50015
Dipole 5200 MHz_SN:1023
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 4.63 S/m; ε_r = 35.796; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 13.7 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 53.59 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 26.9 W/kg
SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.24 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 51.3%
Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 12.8 W/kg = 11.06 dBW/kg

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Date: 2021/7/23

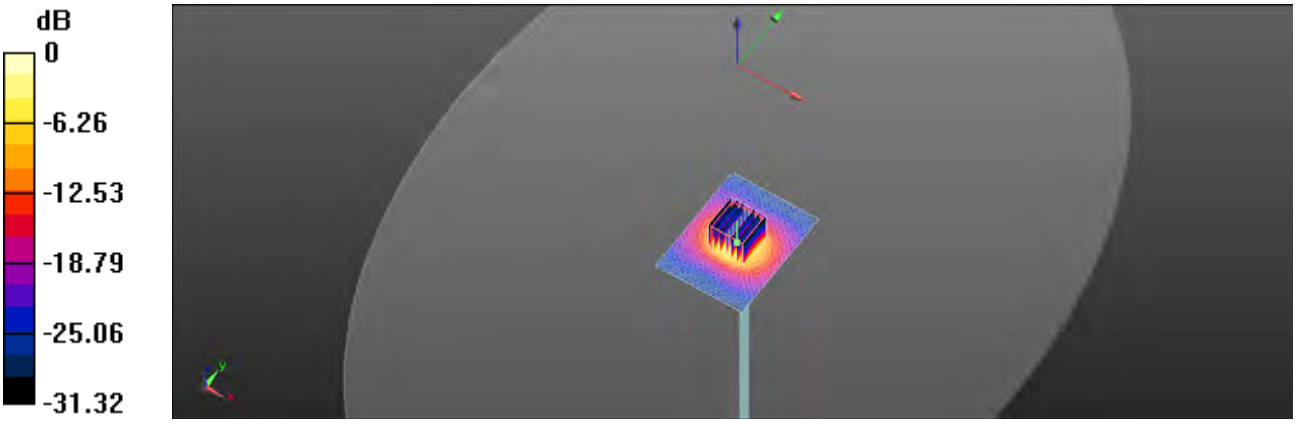
Report No. : E5/2021/50015
Dipole 5200 MHz_SN:1023
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 4.63 S/m; ε_r = 35.796; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.7, 5.7, 5.7); Calibrated: 2021/4/26
- 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) = 13.7 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.69 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 28.3 W/kg
SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.20 W/kg
Smallest distance from peaks to all points 3 dB below = 7.9 mm
Ratio of SAR at M2 to SAR at M1 = 52.1%
Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg = 11.41 dBW/kg

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Date: 2021/7/24

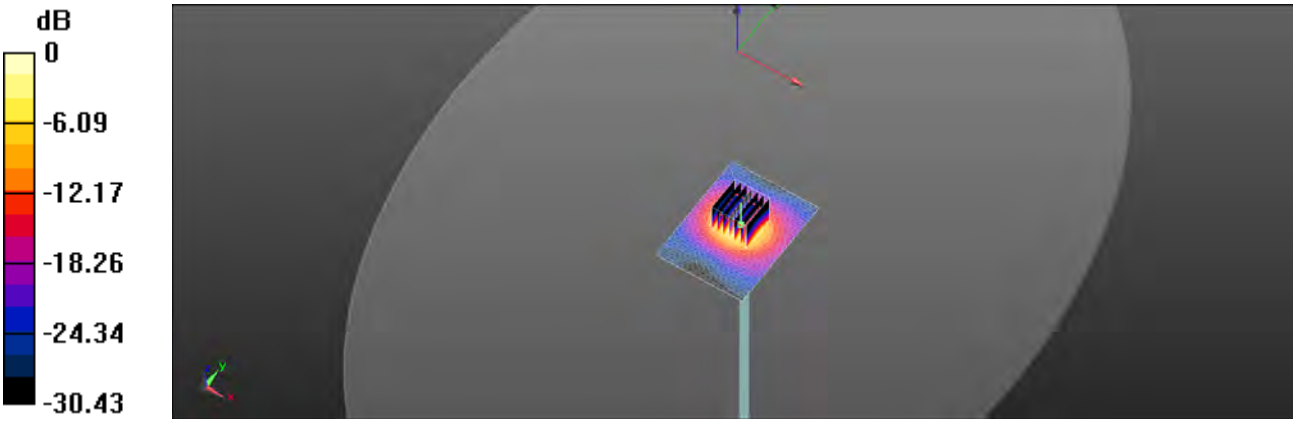
Report No. : E5/2021/50015
Dipole 5300 MHz_SN:1023
Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.732 S/m; ε_r = 35.681; ρ = 2000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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) = 7.23 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 50.49 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 14.6 W/kg
SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.32 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 50.4%
Maximum value of SAR (measured) = 6.85 W/kg



0 dB = 7.23 W/kg = 8.59 dBW/kg

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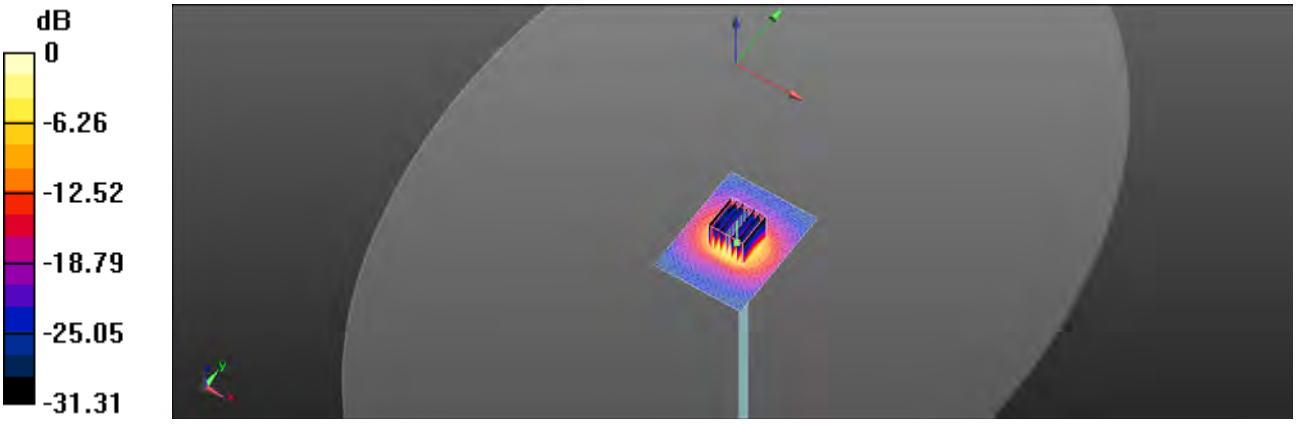
Report No. : E5/2021/50015
Dipole 5300 MHz_SN:1023
Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.732 S/m; ε_r = 35.681; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.45, 5.45, 5.45); Calibrated: 2021/4/26
- 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) = 13.5 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.80 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.31 W/kg
Smallest distance from peaks to all points 3 dB below = 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.6%
Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg = 11.37 dBW/kg

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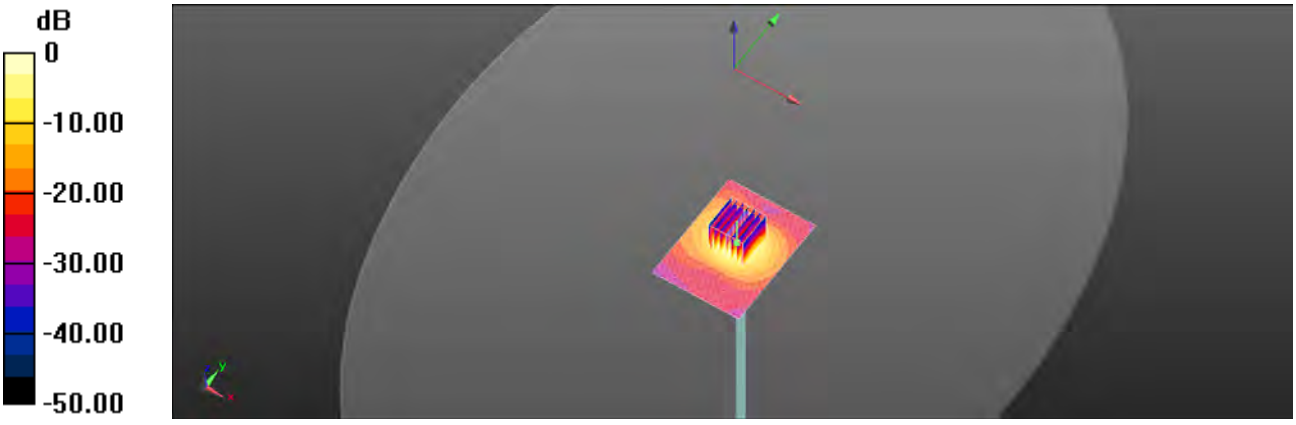
Report No. : E5/2021/50015
Dipole 5600 MHz_SN:1023
Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.038 S/m; ε_r = 35.339; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 16.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 50.20 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 33.7 W/kg
SAR(1 g) = 8.49 W/kg; SAR(10 g) = 2.39 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.2%
Maximum value of SAR (measured) = 14.7 W/kg



0 dB = 14.7 W/kg = 11.66 dBW/kg

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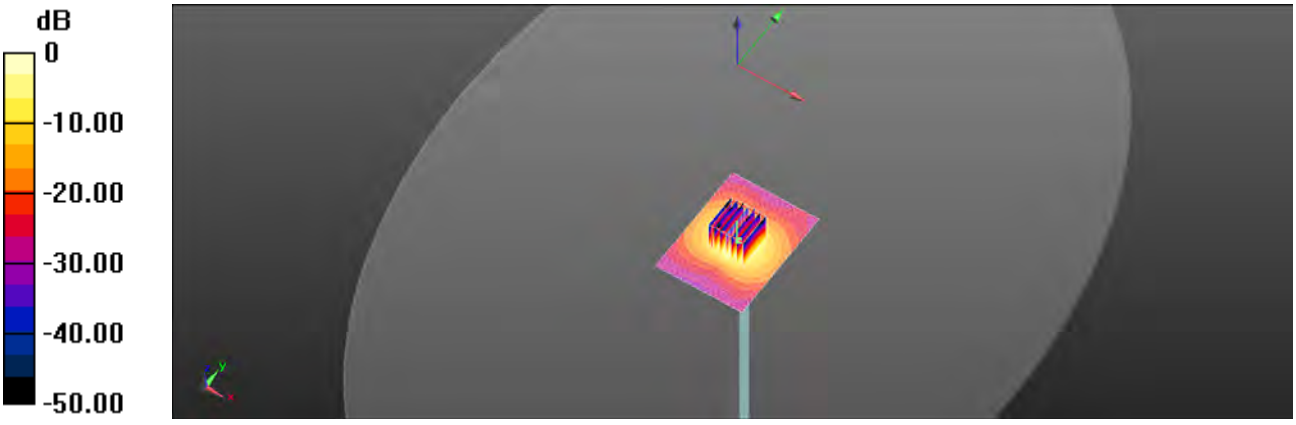
Report No. : E5/2021/50015
Dipole 5600 MHz_SN:1023
Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.038 S/m; ε_r = 35.339; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.1, 5.1, 5.1); Calibrated: 2021/4/26
- 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) = 10.9 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 49.58 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 24.3 W/kg
SAR(1 g) = 8.54 W/kg; SAR(10 g) = 2.38 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.6%
Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

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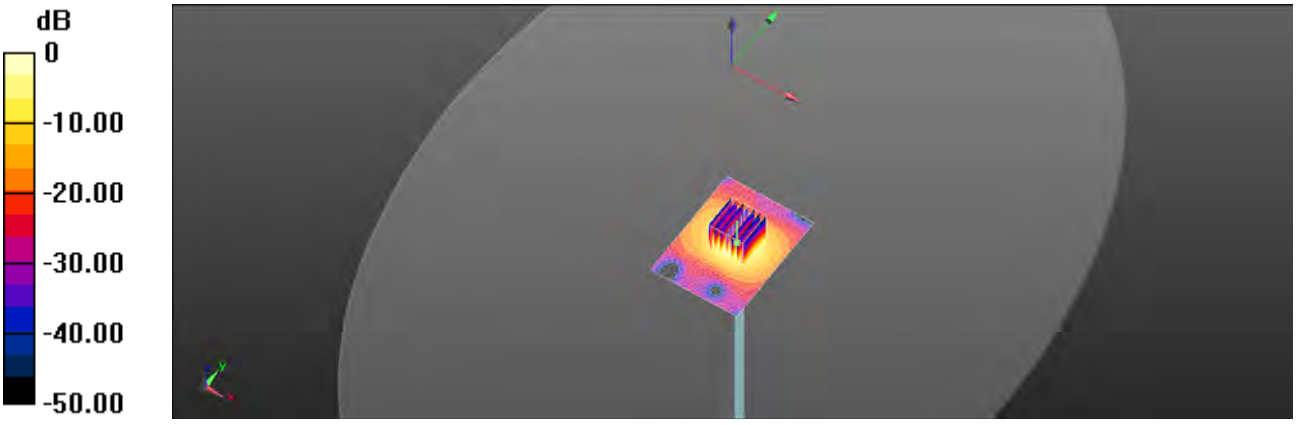
Report No. : E5/2021/50015
Dipole 5800 MHz_SN:1023
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.242 S/m; ε_r = 35.11; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 15.9 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 52.58 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 37.5 W/kg
SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.24 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 55.2%
Maximum value of SAR (measured) = 15.4 W/kg



0 dB = 15.4 W/kg = 11.87 dBW/kg

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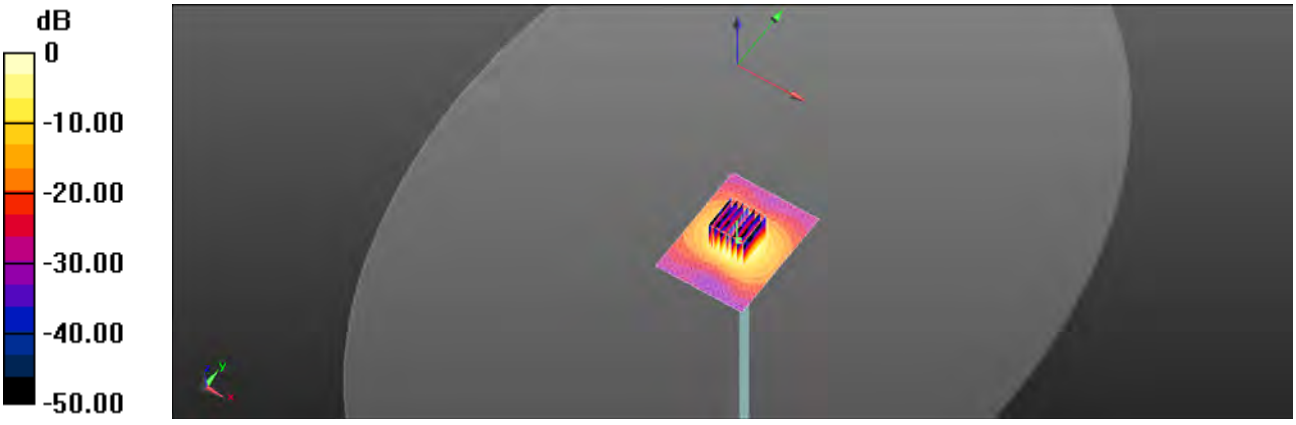
Report No. : E5/2021/50015
Dipole 5800 MHz_SN:1023
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.242 S/m; ε_r = 35.11; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7509; ConvF(5.2, 5.2, 5.2); Calibrated: 2021/4/26
- 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) = 9.76 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 45.57 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 22.5 W/kg
SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.28 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 57%
Maximum value of SAR (measured) = 9.62 W/kg



0 dB = 9.62 W/kg = 9.83 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	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.54%	N	1	1	0.64	0.43	0.35%	0.23%	M
Liquid Conductivity (mea.)	0.57%	N	1	1	0.6	0.49	0.34%	0.28%	M
Combined standard uncertainty		RSS					11.73%	11.71%	
Expant uncertainty (95% confidence							23.45%	23.42%	

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Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	1.46%	N	1	1	0.64	0.43	0.93%	0.63%	M
Liquid Conductivity (mea.)	2.48%	N	1	1	0.6	0.49	1.49%	1.22%	M
Combined standard uncertainty		RSS					11.55%	11.49%	
Expant uncertainty (95% confidence							23.10%	22.98%	

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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Appendixes

Refer to separated files for the following appendixes.

E5202150015 SAR_Appendix A Photographs

E5202150015 SAR_Appendix B DAE & Probe Cal. Certificate

E5202150015 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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