

SAR TEST REPORT



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

Product Type	WLAN and BT, 2x2 PCIe M.2 1216 SD adapter card
Trade Name	Intel® Wi-Fi 6E AX211
Model Number	AX211D2W
Company Name	ASUSTeK COMPUTER INC.
Company Address	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	MSQAX211D2
Date of Receipt	Mar. 03, 2022
Date of Test(s)	Mar. 16, 2022 ~ Apr. 09, 2022
Date of Issue	May 03, 2022
In the configuration tested, th Remarks:	e EUT complied with the standards specified above.

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 / Kimmy Chiou	PM / Kiki Lin	Approved By / John Yeh		
Kimmy Chiou	Kiki Lin	John Teh		

Date:	Mav	03.	2022
Juito.	may	$\mathbf{v}\mathbf{v}$,	

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
ES/2022/20023	Rev.00	Initial creation of document	Apr. 15, 2022	Kimmy Chiou	*
ES/2022/20023	Rev.01	Modify series model no	May 03, 2022	Kimmy Chiou	
			/		
Note:					

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

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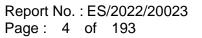
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0. Guidance applied

- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- IEC/IEEE 62209-1528:2020
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note

(Interim Procedure for Device Operation at 6GHz-10GHz)

- IEC TR 63170:2018
- IEC 62479:2010
- FCC KDB 865664 D01 v01r04
- FCC KDB 865664 D02 v01r02
- FCC KDB 447498 D01 v06
- FCC KDB 616217 D04 v01r02
- FCC KDB 248227 D01 v02r02







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1. General Information

1.1 Testing Laboratory

SGS Taiwan Ltd. Central RF Lab					
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei					
City, Taiwan					
FCC Designation	TW0027				
Tel	+886-2-2299-3279				
Fax	+886-2-2298-0488				
Internet	http://www.tw.sgs.com/				

1.2 Details of Applicant

Company Name	ASUSTeK COMPUTER INC.
Company Address	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

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1.3 Description of EUT

Product Type	WLAN and BT, 2x2 PCIe M.2 1216 SD adapter card			
Trade Name	Intel® Wi-Fi 6E AX211			
Model Number	AX211D2W	S		
FCC ID	MSQAX211D2			
Host Information	Product Type: Zenbook Trade Name: ASUS Model Name: UP5302Z, RP5302Z, BP5302Z			
Mode of Operation	All models are electrically identical, different model names are for marketing purpose.			
	Bluetooth WLAN802.11	Refer to page 31-33		
Duty Cycle	Bluetooth	77.2%		
	802.11 b/g/n/ax	2.4GHz (2400.0 – 2483.5 MHz)		
Supported Radios	802.11 a/n/ac/ax	5.2GHz (5150.0 – 5250.0 MHz) 5.3GHz (5250.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz)		
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)		
	802.11ax	6.0GHz (5925.0 – 7125.0 MHz)		

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AWAN

Summary of Maximum SAR and Power Density Value				
Mode	Highest SAR1g Body (W/kg)	Highest APD (mW/cm ²)	Highest PD (mW/cm ²)	
2.4G WLAN	1.14	N/A	N/A	
5.2G WLAN	0.75	N/A	N/A	
5.3G WLAN	0.92	N/A	N/A	
5.6G WLAN	0.78	N/A	N/A	
5.8G WLAN	0.80	N/A	N/A	
6G WLAN	0.80	0.50	0.79	
Bluetooth(GFSK)	0.73	N/A	N/A	
			•	

INPAQ

Summary of Maximum SAR and Power Density Value					
Mode	Highest SAR1g Body (W/kg)	Highest APD (mW/cm ²)	Highest PD (mW/cm ²)		
2.4G WLAN	1.20	N/A	N/A		
5.2G WLAN	0.84	N/A	N/A		
5.3G WLAN	0.93	N/A	N/A		
5.6G WLAN	0.82	N/A	N/A		
5.8G WLAN	0.80	N/A	N/A		
6G WLAN	0.75	0.49	0.72		
Bluetooth(GFSK)	0.61	N/A	N/A		



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WLAN conducted power table:

AWAN

			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		13.00	12.97
		6	2437		13.00	12.98
	802.11b	11	2462	1Mbps	13.00	12.89
		12	2467		13.00	12.74
		13	2472		13.00	12.82
		1	2412		13.00	12.93
		6	2437		13.00	12.94
	802.11g	11	2462	6Mbps	13.00	12.69
		12	2467		13.00	12.78
		13	2472		11.75	11.58
	802.11n20-HT0	1	2412	MCS0	13.00	12.91
		6	2437		13.00	12.92
		11	2462		13.00	12.73
		12	2467		13.00	12.76
2.45GHz		13	2472		11.75	11.52
2.430112		1	2412	MCS0	13.00	12.78
		6	2437		13.00	12.92
	802.11ax20-HE0	11	2462		13.00	12.88
		12	2467		13.00	12.74
		13	2472		11.75	11.55
		3	2422		13.00	12.80
		6	2437]	13.00	12.89
	802.11n40-HT0	9	2452	MCS0	13.00	12.75
		10	2457		12.25	12.03
		11	2462		9.75	9.63
		3	2422		13.00	12.88
		6	2437	1	13.00	12.87
	802.11ax40-HE0	9	2452	MCS0	13.00	12.73
		10	2457]	12.25	12.04
		11	2462]	9.75	9.56

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		ſ	Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		10.50	10.26
	000.44+	40	5200	CN //www.a	10.50	10.29
	802.11a	44	5220	6Mbps	10.50	10.35
		48	5240		10.50	10.31
		36	5180		10.50	10.32
	802.11n20-HT0	40	5200	MCS0	10.50	10.36
		44	5220	IVICSU	10.50	10.34
		48	5240		10.50	10.33
	802.11ax20-HE0	36	5180	MCS0	10.50	10.34
5.15-5.25 GHz		40	5200		10.50	10.25
5.15-5.25 GHZ	002.11ax20-HEU	44	5220	IVIC SU	10.50	10.37
		48	5240		10.50	10.35
	802.11n40-HT0	38	5190	MCS0	10.50	10.29
	002.111140-F110	46	5230	IVIC SU	10.50	10.38
	802.11ax40-HE0	38	5190	MCS0	10.50	10.23
	002.11ax40-HEU	46	5230	IVIC SU	10.50	10.39
	802.11ac80-VHT0	42	5210	MCS0	10.50	10.38
	802.11ax80-HE0	42	5210	MCS0	10.50	10.35
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.48
	802.11ax160-HE0	50	5250	MCS0	10.50	10.37

			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		10.50	10.34
	802.11a	56	5280	CM/hano	10.50	10.26
	802.11a	60	5300	6Mbps	10.50	10.37
		64	5320		10.50	10.33
	802.11n20-HT0	52	5260		10.50	10.32
		56	5280	MCS0	10.50	10.39
		60	5300		10.50	10.40
		64	5320		10.50	10.33
5.25-5.35 GHz		52	5260		10.50	10.38
5.25-5.55 GHZ	802.11ax20-HE0	56	5280	MCS0	10.50	10.36
	002.11ax20-HEU	60	5300	NC30	10.50	10.33
		64	5320		10.50	10.35
	802.11n40-HT0	54	5270	MCS0	10.50	10.27
	002.111 4 0-1110	62	5310	Webb	10.50	10.38
	802.11ax40-HE0	54	5270	MCS0	10.50	10.34
	002.11ax40-11E0	62	5310	NC30	10.50	10.43
	802.11ac80-VHT0	58	5290	MCS0	10.50	10.46
	802.11ax80-HE0	58	5290	MCS0	10.50	10.35

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			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		10.50	10.36
	802.11a	120	5600	6Mbps	10.50	10.44
		140	5700	1	10.50	10.41
		100	5500		10.50	10.29
	802.11n20-HT0	120	5600	MCS0	10.50	10.43
		140	5700		10.50	10.35
		100	5500		10.50	10.38
	802.11ax20-HE0	120	5600	MCS0	10.50	10.34
		140	5700		10.50	10.39
000.44.40		102	5510		10.50	10.28
		118	5590	MCS0	10.50	10.31
	802.11n40-HT0	134	5670	- WC30	10.50	10.45
5.6GHz		142	5710		10.50	10.29
		102	5510		10.50	10.27
		118	5590		10.50	10.35
	802.11ax40-HE0	134	5670	MCS0	10.50	10.34
		142	5710	1 1	10.50	10.27
		106	5530		10.50	10.46
	802.11ac80-VHT0	122	5610	MCS0	10.50	10.41
		138	5690		10.50	10.48
		106	5530		10.50	10.38
	802.11ax80-HE0	122	5610	MCS0	10.50	10.40
		138	5690		10.50	10.32
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.47
_	802.11ax160-HE0	114	5570	MCS0	10.50	10.36

		1	Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		10.50	10.40
	802.11a	157	5785	6Mbps	10.50	10.42
		165	5825		10.50	10.45
	802.11n20-HT0	149	5745	MCS0	10.50	10.29
		157	5785		10.50	10.36
		165	5825		10.50	10.38
		149	5745		10.50	10.40
5.8GHz	802.11ax20-HE0	157	5785	MCS0	10.50	10.35
		165	5825		10.50	10.33
	802.11n40-HT0	151	5755	MCS0	10.50	10.43
	002.11140-F110	159	5795	10030	10.50	10.30
	802.11ax40-HE0	151	5755	MCS0	10.50	10.34
	002.118X40-HEU	159	5795	10030	10.50	10.41
	802.11ac80-VHT0	155	5775	MCS0	10.50	10.49
	802.11ax80-HE0	155	5775	MCS0	10.50	10.45

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			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
8		1	5955		5.00	4.76
	802.11ax20-HE0	45	6175	MCS0	5.00	4.79
		93	6415		5.00	4.91
		3	5965	MCS0	8.25	8.08
	802.11ax40-HE0	43	6165		8.25	8.16
U-NII-5		91	6405		8.25	8.18
6.2GHz		7	5985		10.50	10.45
	802.11ax80-HE0	39	6145	MCS0	10.50	10.36
		87	6385		10.50	10.31
		15	6025		10.50	10.47
	802.11ax160-HE0	47	6185	MCS0	10.50	10.48
		79	6345		10.50	10.43

			Main	-		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		5.00	4.82
	802.11ax20-HE0	105	6475	MCS0	5.00	4.87
		113	6515		5.00	4.79
U-NII-6	802.11ax40-HE0	99	6445	MCS0	8.25	8.20
6.5GHz	6.5GHz 802.11ax40-HE0	107	6485	10030	8.25	8.04
	802.11ax80-HE0	103	6465	MCS0	10.50	10.26
	002.11aX00-HEU	119	6545	10030	10.50	10.35
	802.11ax160-HE0	111	6505	MCS0	10.50	10.46

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			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535	MCS0	4.25	4.14
	802.11ax20-HE0	149	6695		4.25	4.08
		181	6855		4.25	4.04
		115	6525		8.25	8.07
U-NII-7	802.11ax40-HE0	147	6685	MCS0	7.50	7.45
6.7GHz		179	6845		7.50	7.42
0.7 GHZ		135	6625		10.00	9.86
	802.11ax80-HE0	151	6705	MCS0	10.00	9.82
		167	6785		10.00	9.79
	802.11ax160-HE0	143	6665	MCS0	10.50	10.43
	002.11ax100-HEU	175	6825	10030	10.50	10.46

			Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		4.25	4.16
	802.11ax20-HE0	209	6995	MCS0	4.25	4.03
		233	7115		-1.00	-1.10
U-NII-8	802.11ax40-HE0	187	6885	MCSO	7.50	7.28
7.0GHz	002.118X40-HEU	227	7085	10030	7.50	7.36
1.000		183	6865		10.00	9.85
	802.11ax80-HE0	199	6945	MCS0	10.00	9.89
		215	7025		10.00	9.82
	802.11ax160-HE0	207	6985	MCS0	10.50	10.47

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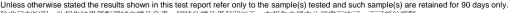
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			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		13.00	12.97
		6	2437		13.00	12.99
	802.11b	11	2462	1Mbps	13.00	12.92
		12	2467		13.00	12.87
		13	2472		13.00	12.66
		1	2412		13.00	12.71
		6	2437		13.00	12.75
	802.11g	11	2462	6Mbps	13.00	12.87
		12	2467		13.00	12.97
		13	2472		12.00	11.88
		1	2412		13.00	12.83
		6	2437		13.00	12.83
	802.11n20-HT0	11	2462	MCS0	13.00	12.89
		12	2467	1	13.00	12.92
0.45011-		13	2472	1	12.00	11.78
2.45GHz		1	2412		13.00	12.70
		6	2437		13.00	12.80
	802.11ax20-HE0	11	2462	MCS0	13.00	12.67
		12	2467		13.00	12.70
		13	2472		12.00	11.92
		3	2422		13.00	12.90
		6	2437		13.00	12.87
	802.11n40-HT0	9	2452	MCS0	13.00	12.77
		10	2457		12.50	12.35
		11	2462		10.75	10.48
		3	2422		13.00	12.74
		6	2437	1	13.00	12.71
	802.11ax40-HE0	9	2452	MCS0	13.00	12.93
		10	2457	1	12.50	12.31
		11	2462]	10.75	10.54



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			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		10.50	10.45
	802.11a	40	5200	GMbbb	10.50	10.33
	002.11a	44	5220	6Mbps	10.50	10.39
		48	5240		10.50	10.37
		36	5180		10.50	10.27
	802.11n20-HT0	40	5200	MCS0	10.50	10.28
		44	5220		10.50	10.36
		48	5240		10.50	10.41
	802.11ax20-HE0	36	5180	MCS0	10.50	10.45
5.15-5.25 GHz		40	5200		10.50	10.33
5.15-5.25 GHZ	002.11ax20-HEU	44	5220	IVICSU	10.50	10.42
		48	5240		10.50	10.39
	802.11n40-HT0	38	5190	MCS0	10.50	10.36
	002.111140-F110	46	5230	IVIC SU	10.50	10.40
	802.11ax40-HE0	38	5190	MCS0	10.50	10.32
	002.11ax40-HEU	46	5230	IVIC SU	10.50	10.44
	802.11ac80-VHT0	42	5210	MCS0	10.50	10.37
	802.11ax80-HE0	42	5210	MCS0	10.50	10.38
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.48
	802.11ax160-HE0	50	5250	MCS0	10.50	10.35

			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		10.50	10.38
	002 112	56	5280	CM/hase	10.50	10.24
	802.11a	60	5300	6Mbps	10.50	10.29
		64	5320		10.50	10.30
	802.11n20-HT0	52	5260	MCS0	10.50	10.25
		56	5280		10.50	10.31
		60	5300	10030	10.50	10.27
		64	5320		10.50	10.35
5.25-5.35 GHz		52	5260		10.50	10.28
5.25-5.55 GHZ	802.11ax20-HE0	56	5280	MCS0	10.50	10.26
	002.11ax20-ne0	60	5300	NC30	10.50	10.24
		64	5320		10.50	10.33
	802.11n40-HT0	54	5270	MCS0	10.50	10.37
	002.11140-1110	62	5310	10030	10.50	10.31
	802.11ax40-HE0	54	5270	MCS0	10.50	10.26
	002.11dX40-HEU	62	5310	IVICSU	10.50	10.24
	802.11ac80-VHT0	58	5290	MCS0	10.50	10.40
	802.11ax80-HE0	58	5290	MCS0	10.50	10.35

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			Aux	-		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		10.50	10.39
	802.11a	120	5600	6Mbps	10.50	10.38
	140	5700	1	10.50	10.41	
		100	5500		10.50	10.37
802.11n20-HT0	802.11n20-HT0	120	5600	MCS0	10.50	10.34
	140	5700		10.50	10.33	
		100	5500		10.50	10.36
	802.11ax20-HE0	120	5600	MCS0	10.50	10.30
		140	5700		10.50	10.33
		102	5510		10.50	10.39
		118	5590		10.50	10.44
	802.11n40-HT0	134	5670	MCS0	10.50	10.38
5.6GHz		142	5710		10.50	10.41
		102	5510		10.50	10.26
		118	5590		10.50	10.35
	802.11ax40-HE0	134	5670	MCS0	10.50	10.45
		142	5710	1 1	10.50	10.42
		106	5530		10.50	10.44
	802.11ac80-VHT0	122	5610	MCSO	10.50	10.39
		138	5690		10.50	10.48
		106	5530		10.50	10.37
	802.11ax80-HE0	122	5610	MCS0	10.50	10.33
		138	5690		10.50	10.31
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.43
	802.11ax160-HE0	114	5570	MCS0	10.50	10.35

			Aux			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		10.50	10.32
	802.11a	157	5785	6Mbps	10.50	10.39
		165	5825		10.50	10.33
	802.11n20-HT0	149	5745	MCS0	10.50	10.36
		157	5785		10.50	10.29
		165	5825		10.50	10.30
		149	5745		10.50	10.44
5.8GHz	802.11ax20-HE0	157	5785	MCS0	10.50	10.36
		165	5825		10.50	10.31
	802.11n40-HT0	151	5755	MCS0	10.50	10.43
	002.11140-1110	159	5795	10030	10.50	10.42
	802.11ax40-HE0	151	5755	MCS0	10.50	10.43
	002.11ax40-HEU	159	5795	10030	10.50	10.44
	802.11ac80-VHT0	155	5775	MCS0	10.50	10.47
	802.11ax80-HE0	155	5775	MCS0	10.50	10.41

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Aux									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		1	5955		5.00	4.85			
	802.11ax20-HE0	45	6175	MCS0	5.00	4.83			
		93	6415		5.00	4.76			
	802.11ax40-HE0	3	5965	MCS0	8.25	8.12			
		43	6165		8.25	8.07			
U-NII-5		91	6405		8.25	8.16			
6.2GHz		7	5985		10.50	10.43			
	802.11ax80-HE0	39	6145	MCS0	10.50	10.36			
		87	6385		10.50	10.35			
-		15	6025	MCS0	10.50	10.45			
	802.11ax160-HE0	47	6185		10.50	10.48			
		79	6345		10.50	10.42			

[Aux			
	Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		802.11ax20-HE0	97	6435		5.00	4.94
			105	6475	MCS0	5.00	4.91
			113	6515		5.00	4.92
	U-NII-6	802.11ax40-HE0	99	6445	MCS0	8.25	8.03
	6.5GHz	002.118X40-HEU	107	6485	IVIC SU	8.25	8.12
		802.11ax80-HE0	103	6465	MCS0	10.50	10.34
		002.11aX00-HEU	119	6545	IVICSU	10.50	10.28
		802.11ax160-HE0	111	6505	MCS0	10.50	10.49

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			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		4.25	4.18
	802.11ax20-HE0	149	6695	MCS0	4.25	4.20
		181	6855		4.25	4.08
		115	6525		8.25	8.08
U-NII-7	802.11ax40-HE0	147	6685	MCS0	7.50	7.28
6.7GHz		179	6845		7.50	7.27
0.7 GHZ		135	6625		10.00	9.94
	802.11ax80-HE0	151	6705	MCS0	10.00	9.86
		167	6785		10.00	9.89
	902 11 ox 160 HE0	143	6665	MCS0	10.50	10.47
	802.11ax160-HE0	175	6825		10.50	10.46

			Aux			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		4.25	4.14
	802.11ax20-HE0	209	6995	MCS0	4.25	4.12
		233	7115		-1.00	-1.05
U-NII-8	802.11ax40-HE0	187	6885	MCS0	7.50	7.38
7.0GHz	002.118X40-NE0	227	7085	10030	7.50	7.45
7.00HZ		183	6865		10.00	9.82
	802.11ax80-HE0	199	6945	MCS0	10.00	9.84
		215	7025		10.00	9.89
	802.11ax160-HE0	207	6985	MCS0	10.50	10.48

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Bluetooth conducted power table:

			1Mbps		2Mbps		3Mbps	
Mode	Channel	Frequency (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	CH 00	2402		9.11		6.79		6.82
BR/EDR	CH 39	2441	11.00	9.13	7.00	7.05	7.00	7.04
	CH 78	2480		9.40		7.08		7.09

	Mada	Channel	Frequency	GFSK	
	Mode Char	Channer	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
		CH 00	2402		6.47
E	BLE_1M	CH 19	2440	7	6.68
		CH 39	2480		6.79

Modo	Channel	Frequency	GFSK	FSK		
Mode Cha	Channer	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)		
	CH 00	2402		6.51		
BLE_2M	CH 19	2440	7	6.64		
	CH 39	2480		6.86		

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	Main							
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)		
		1	2412		13.00	12.98		
		6	2437		13.00	12.99		
	802.11b	11	2462	1Mbps	13.00	12.97		
		12	2467		13.00	12.80		
		13	2472		13.00	12.76		
		1	2412		13.00	12.72		
		6	2437		13.00	12.78		
	802.11g	11	2462	6Mbps	13.00	12.89		
	0	12	2467		13.00	12.73		
		13	2472		11.75	11.51		
		1	2412	MCS0	13.00	12.85		
	802.11n20-HT0	6	2437		13.00	12.80		
		11	2462		13.00	12.89		
		12	2467		13.00	12.93		
2.45GHz		13	2472		11.75	11.68		
2.450HZ		1	2412		13.00	12.85		
		6	2437		13.00	12.91		
	802.11ax20-HE0	11	2462	MCS0	13.00	12.92		
		12	2467		13.00	12.92		
		13	2472		11.75	11.61		
		3	2422		13.00	12.79		
		6	2437		13.00	12.78		
	802.11n40-HT0	9	2452	MCS0	13.00	12.78		
		10	2457		12.25	12.16		
		11	2462]	9.75	9.62		
		3	2422		13.00	12.87		
		6	2437]	13.00	12.83		
	802.11ax40-HE0	9	2452	MCS0	13.00	12.85		
		10	2457	1	12.25	12.12		
		11	2462]	9.75	9.56		

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			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		10.50	10.27
	802.11a	40	5200	CMbpa	10.50	10.31
	802.11a	44	5220	6Mbps	10.50	10.34
		48	5240		10.50	10.27
		36	5180		10.50	10.40
	802.11n20-HT0	40	5200	MCSO	10.50	10.37
	002.11120-1110	44	5220	1010-30	10.50	10.44
		48	5240		10.50	10.27
		36	5180		10.50	10.26
5.15-5.25 GHz		40	5200	MCS0	10.50	10.36
5.15-5.25 GHZ	802.11ax20-HE0	44	5220	IVIC SU	10.50	10.38
		48	5240		10.50	10.45
	802.11n40-HT0	38	5190	MCCO	10.50	10.36
	802.11140-F110	46	5230	MCS0	10.50	10.41
	000 11 ov 10 LIE0	38	5190	MCS0	10.50	10.31
	802.11ax40-HE0	46	5230	IVICSU	10.50	10.27
	802.11ac80-VHT0	42	5210	MCS0	10.50	10.37
	802.11ax80-HE0	42	5210	MCS0	10.50	10.45
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.47
	802.11ax160-HE0	50	5250	MCS0	10.50	10.40

		<u> </u>	Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260	014	10.50	10.43
	002 112	56	5280		10.50	10.37
	802.11a	60	5300	6Mbps	10.50	10.29
		64	5320		10.50	10.25
	802.11n20-HT0	52	5260		10.50	10.41
		56	5280	MCS0	10.50	10.38
		60	5300		10.50	10.43
		64	5320		10.50	10.34
5.25-5.35 GHz		52	5260		10.50	10.33
5.25-5.55 GHZ	802.11ax20-HE0	56	5280	MCS0	10.50	10.25
	002.11ax20-ne0	60	5300	NC30	10.50	10.24
		64	5320		10.50	10.32
	802.11n40-HT0	54	5270	MCS0	10.50	10.25
	002.11140-1110	62	5310	WC30	10.50	10.31
	802.11ax40-HE0	54	5270	MCS0	10.50	10.27
	002.11ax40-nEU	62	5310	IVIC SU	10.50	10.32
	802.11ac80-VHT0	58	5290	MCS0	10.50	10.48
	802.11ax80-HE0	58	5290	MCS0	10.50	10.35

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			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		10.50	10.31
	802.11a	120	5600	6Mbps	10.50	10.36
		140	5700	1 1	10.50	10.33
		100	5500		10.50	10.27
	802.11n20-HT0	120	5600	MCS0	10.50	10.37
		140	5700		10.50	10.42
		100	5500		10.50	10.43
	802.11ax20-HE0	120	5600	MCS0	10.50	10.40
		140	5700		10.50	10.39
		102	5510		10.50	10.35
		118	5590		10.50	10.42
	802.11n40-HT0	134	5670	MCS0	10.50	10.43
5.6GHz		142	5710		10.50	10.34
		102	5510		10.50	10.34
		118	5590		10.50	10.32
	802.11ax40-HE0	134	5670	MCS0	10.50	10.27
		142	5710	1 1	10.50	10.35
		106	5530		10.50	10.47
	802.11ac80-VHT0	122	5610	MCSO	10.50	10.39
		138	5690		10.50	10.43
		106	5530		10.50	10.42
	802.11ax80-HE0	122	5610	MCS0	10.50	10.36
		138	5690		10.50	10.39
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.46
	802.11ax160-HE0	114	5570	MCS0	10.50	10.41

		Main									
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)					
		149	5745		10.50	10.46					
	802.11a	157	5785	6Mbps	10.50	10.36					
		165	5825		10.50	10.38					
		149	5745	MCSO	10.50	10.45					
	802.11n20-HT0	157	5785		10.50	10.44					
		165	5825		10.50	10.38					
	802.11ax20-HE0	149	5745		10.50	10.33					
5.8GHz		157	5785	MCS0	10.50	10.27					
		165	5825		10.50	10.34					
	802.11n40-HT0	151	5755	MCS0	10.50	10.35					
	002.11140-1110	159	5795	10030	10.50	10.32					
	802.11ax40-HE0	151	5755	MCS0	10.50	10.38					
	002.11ax40-HEU	159	5795	IVICSU	10.50	10.44					
	802.11ac80-VHT0	155	5775	MCS0	10.50	10.49					
	802.11ax80-HE0	155	5775	MCS0	10.50	10.46					

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	Main									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		1	5955		5.00	4.71				
U-NII-5 6.2GHz	802.11ax20-HE0	45	6175	MCS0	5.00	4.80				
		93	6415		5.00	4.83				
	802.11ax40-HE0	3	5965	MCSO	8.25	7.94				
		43	6165		8.25	7.99				
		91	6405		8.25	7.96				
		7	5985		10.50	10.35				
	802.11ax80-HE0	39	6145	MCS0	10.50	10.37				
		87	6385		10.50	10.30				
		15	6025	MCS0	10.50	10.27				
	802.11ax160-HE0	47	6185		10.50	10.40				
		79	6345		10.50	10.38				

			Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435	MCS0	5.00	4.82
	802.11ax20-HE0	105	6475		5.00	4.75
		113	6515		5.00	4.83
U-NII-6	802.11ax40-HE0	99	6445	MCS0	8.25	8.09
6.5GHz		107	6485	10030	8.25	8.05
	802.11ax80-HE0	103	6465	MCS0	10.50	10.32
		119	6545		10.50	10.37
	802.11ax160-HE0	111	6505	MCS0	10.50	10.43

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Main									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
	802.11ax20-HE0	117	6535		4.25	4.09			
U-NII-7 6.7GHz		149	6695	MCS0	4.25	4.16			
		181	6855		4.25	4.02			
	802.11ax40-HE0	115	6525	MCS0	8.25	7.98			
		147	6685		7.50	7.27			
		179	6845		7.50	7.33			
		135	6625		10.00	9.90			
	802.11ax80-HE0	151	6705	MCS0	10.00	9.87			
		167	6785		10.00	9.88			
	802.11ax160-HE0	143	6665	MCS0	10.50	10.44			
		175	6825		10.50	10.42			

			Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		4.25	4.15
	802.11ax20-HE0	209	6995	MCS0	4.25	4.10
		233	7115		-1.00	-1.07
U-NII-8	802.11ax40-HE0	187	6885	MCS0	7.50	7.29
7.0GHz		227	7085	10030	7.50	7.37
		183	6865		10.00	9.85
	802.11ax80-HE0	199	6945	MCS0	10.00	9.82
		215	7025		10.00	9.88
	802.11ax160-HE0	207	6985	MCS0	10.50	10.48

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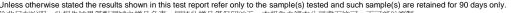
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			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
$\langle \rangle$		1	2412		13.00	12.97
		6	2437		13.00	12.99
	802.11b	11	2462	1Mbps	13.00	12.96
		12	2467		13.00	12.77
		13	2472		13.00	12.91
		1	2412		13.00	12.77
		6	2437		13.00	12.84
	802.11g	11	2462	6Mbps	13.00	12.90
		12	2467		13.00	12.85
		13	2472		12.00	11.91
		1	2412		13.00	12.81
		6	2437		13.00	12.88
	802.11n20-HT0	11	2462	MCS0	13.00	12.73
		12	2467		13.00	12.71
2.45GHz		13	2472		12.00	11.77
2.45012	802.11ax20-HE0	1	2412		13.00	12.76
		6	2437	MCS0	13.00	12.77
		11	2462		13.00	12.81
		12	2467		13.00	12.88
		13	2472		12.00	11.91
		3	2422		13.00	12.92
		6	2437		13.00	12.94
	802.11n40-HT0	9	2452	MCS0	13.00	12.80
		10	2457		12.50	12.29
		11	2462		10.75	10.68
		3	2422		13.00	12.84
		6	2437		13.00	12.82
	802.11ax40-HE0	9	2452	MCS0	13.00	12.84
		10	2457] [12.50	12.36
		11	2462		10.75	10.58



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			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		10.50	10.36
	802.11a	40	5200	CM/hana	10.50	10.31
	002.11a	44	5220	6Mbps	10.50	10.38
		48	5240		10.50	10.35
		36	5180		10.50	10.26
	802.11n20-HT0	40	5200	MCSO	10.50	10.34
	002.11120-FTTU	44	5220		10.50	10.42
		48	5240		10.50	10.40
	802.11ax20-HE0	36	5180	MCS0	10.50	10.33
5.15-5.25 GHz		40	5200		10.50	10.43
5.15-5.25 GHZ	002.118X20-HEU	44	5220	10030	10.50	10.38
		48	5240	1	10.50	10.31
	802.11n40-HT0	38	5190	MCS0	10.50	10.42
	002.11140-F110	46	5230	IVICSU	10.50	10.44
	802.11ax40-HE0	38	5190	MCS0	10.50	10.43
	002.11ax40-HEU	46	5230	IVIC SU	10.50	10.31
	802.11ac80-VHT0	42	5210	MCS0	10.50	10.38
	802.11ax80-HE0	42	5210	MCS0	10.50	10.42
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.46
	802.11ax160-HE0	50	5250	MCS0	10.50	10.44

Aux								
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)		
		52	5260		10.50	10.39		
	002 112	56	5280	CM/hase	10.50	10.27		
	802.11a	60	5300	6Mbps	10.50	10.34		
		64	5320		10.50	10.37		
	802.11n20-HT0	52	5260		10.50	10.24		
		56	5280	MCS0	10.50	10.35		
		60	5300	101030	10.50	10.28		
		64	5320		10.50	10.31		
5.25-5.35 GHz	802.11ax20-HE0	52	5260	MCSO	10.50	10.41		
5.25-5.55 GHZ		56	5280		10.50	10.27		
	002.11ax20-HEU	60	5300		10.50	10.39		
		64	5320		10.50	10.37		
	802.11n40-HT0	54	5270	MCS0	10.50	10.32		
	002.11140-1110	62	5310	10030	10.50	10.30		
	802.11ax40-HE0	54	5270	MCS0	10.50	10.28		
	002.11dX40-HEU	62	5310	INCSU	10.50	10.38		
	802.11ac80-VHT0	58	5290	MCS0	10.50	10.46		
	802.11ax80-HE0	58	5290	MCS0	10.50	10.35		

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			Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		10.50	10.35
	802.11a	120	5600	6Mbps	10.50	10.41
		140	5700		10.50	10.31
		100	5500		10.50	10.38
	802.11n20-HT0	120	5600	MCS0	10.50	10.31
		140	5700		10.50	10.44
		100	5500		10.50	10.37
	802.11ax20-HE0	120	5600	MCS0	10.50	10.38
		140	5700		10.50	10.39
		102	5510		10.50	10.33
		118	5590	MOGO	10.50	10.26
	802.11n40-HT0	134	5670	MCS0	10.50	10.39
5.6GHz		142	5710	1	10.50	10.36
		102	5510		10.50	10.37
	000 11	118	5590	MOGO	10.50	10.33
	802.11ax40-HE0	134	5670	MCS0	10.50	10.30
		142	5710		10.50	10.26
		106	5530		10.50	10.46
	802.11ac80-VHT0	122	5610	MCS0	10.50	10.32
		138	5690		10.50	10.48
		106	5530		10.50	10.36
	802.11ax80-HE0	122	5610	MCS0	10.50	10.31
		138	5690		10.50	10.42
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.46
	802.11ax160-HE0	114	5570	MCS0	10.50	10.32

Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		10.50	10.35
	802.11a	157	5785	6Mbps	10.50	10.34
		165	5825		10.50	10.31
		149	5745	MCSO	10.50	10.41
	802.11n20-HT0	157	5785		10.50	10.42
		165	5825		10.50	10.31
		149	5745		10.50	10.37
5.8GHz	802.11ax20-HE0	157	5785	MCS0	10.50	10.25
		165	5825		10.50	10.32
	802.11n40-HT0	151	5755	MCS0	10.50	10.34
	оuz.11140-п10	159	5795	1010-30	10.50	10.42
	802.11ax40-HE0	151	5755	MCS0	10.50	10.33
	002.11ax40-FEU	159	5795		10.50	10.31
	802.11ac80-VHT0	155	5775	MCS0	10.50	10.49
	802.11ax80-HE0	155	5775	MCS0	10.50	10.44

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Band Mode Channel Frequency (MHz) Data Rate Power + Max. Tolerance (dBm) power (dBm 802.11ax20-HE0 1 5955 MCS0 5.00 4.74 802.11ax20-HE0 45 6175 MCS0 5.00 4.83 93 6415 500 4.83 93 6415 5.00 4.80 93 6415 5.00 4.80 93 6415 5.00 4.83 93 6415 7.92 8.25 7.92 802.11ax40-HE0 43 6165 MCS0 8.25 7.94 91 6405 8.25 8.04 10.50 10.33 6.2GHz 802.11ax80-HE0 39 6145 MCS0 10.50 10.33	Aux									
802.11ax20-HE0 45 6175 MCS0 5.00 4.83 93 6415 5.00 4.80 93 6415 5.00 4.80 802.11ax40-HE0 3 5965 MCS0 8.25 7.92 802.11ax40-HE0 43 6165 MCS0 8.25 7.94 91 6405 8.25 8.04 8.25 8.04 6.2GHz 7 5985 10.50 10.33 802.11ax80-HE0 39 6145 MCS0 10.50 10.33	Band	Mode	Channel		Data Rate	Power + Max.	Average power (dBm)			
U-NII-5 6.2GHz 7 5985 MCS0 8.25 7.92 802.11ax80-HE0 39 6145 MCS0 8.25 7.94 802.11ax80-HE0 39 6145 MCS0 8.25 7.94 802.11ax80-HE0 39 6145 MCS0 10.50 10.33 802.11ax80-HE0 39 6145 MCS0 10.50 10.41			1	5955		5.00	4.74			
3 5965 802.11ax40-HE0 8.25 7.92 U-NII-5 43 6165 MCS0 8.25 7.94 91 6405 8.25 8.04 802.11ax80-HE0 39 6145 MCS0 10.50 10.33 802.11ax80-HE0 39 6145 MCS0 10.50 10.34		802.11ax20-HE0	45	6175	MCS0	5.00	4.83			
U-NII-5 802.11ax40-HE0 43 6165 MCS0 8.25 7.94 6.2GHz 91 6405 8.25 8.04 802.11ax80-HE0 7 5985 10.50 10.33 802.11ax80-HE0 39 6145 MCS0 10.50 10.41 87 6385 10.50 10.35 10.50 10.35			93	6415		5.00	4.80			
U-NII-5 6.2GHz 91 6405 8.25 8.04 802.11ax80-HE0 39 6145 MCS0 10.50 10.33 87 6385 10.50 10.50 10.35		802.11ax40-HE0	3	5965	MCS0	8.25	7.92			
6.2GHz 7 5985 10.50 10.33 802.11ax80-HE0 39 6145 MCS0 10.50 10.41 87 6385 10.50 10.33			43	6165		8.25	7.94			
802.11ax80-HE0 39 6145 MCS0 10.50 10.41 87 6385 10.50 10.35			91	6405		8.25	8.04			
87 6385 10.50 10.35			7	5985		10.50	10.33			
		802.11ax80-HE0	39	6145	MCS0	10.50	10.41			
			87	6385		10.50	10.35			
15 6025 10.50 10.48		802.11ax160-HE0	15	6025	MCS0	10.50	10.48			
802.11ax160-HE0 47 6185 MCS0 10.50 10.44			47	6185		10.50	10.44			
79 6345 10.50 10.46			79	6345		10.50	10.46			

[Aux				
	Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
		802.11ax20-HE0	97	6435	MCS0	5.00	4.73	
			105	6475		5.00	4.86	
	U-NII-6 6.5GHz		113	6515		5.00	4.79	
		802.11ax40-HE0	99	6445	MCS0	8.25	8.16	
			107	6485	IVIC SU	8.25	8.12	
		802.11ax80-HE0	103	6465	MCS0	10.50	10.37	
			119	6545		10.50	10.34	
		802.11ax160-HE0	111	6505	MCS0	10.50	10.44	

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Aux							
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
U-NII-7 6.7GHz		117	6535		4.25	4.05	
	802.11ax20-HE0	149	6695	MCS0	4.25	4.11	
		181	6855		4.25	4.14	
	802.11ax40-HE0	115	6525		8.25	8.13	
		147	6685	MCS0	7.50	7.39	
		179	6845		7.50	7.33	
	802.11ax80-HE0	135	6625		10.00	9.73	
		151	6705	MCS0	10.00	9.81	
		167	6785		10.00	9.85	
	902 11 ox 160 HE0	143	6665	MCS0	10.50	10.46	
	802.11ax160-HE0	175	6825	10030	10.50	10.47	

Aux								
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)		
	802.11ax20-HE0	185	6875		4.25	4.13		
		209	6995	MCS0	4.25	4.19		
		233	7115		-1.00	-1.12		
U-NII-8	802.11ax40-HE0	187	6885	MCS0	7.50	7.42		
7.0GHz		227	7085	10030	7.50	7.26		
	802.11ax80-HE0	183	6865		10.00	9.92		
		199	6945	MCS0	10.00	9.88		
		215	7025		10.00	9.84		
	802.11ax160-HE0	207	6985	MCS0	10.50	10.48		

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Bluetooth conducted power table:

			1Mbps		2Mbps		3Mbps	
Mode	Channel	Frequency (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	CH 00	2402		9.07		6.54		6.59
BR/EDR	CH 39	2441	11.00	9.14	7.00	6.76	7.00	6.75
	CH 78	2480		9.25		6.95		6.98

Mode	Channel	hannel Frequency (MHz)	GFSK			
Wode	Channel		Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)		
	CH 00	2402		6.47		
BLE_1M	CH 19	2440	7	6.72		
	CH 39	2480		6.87		

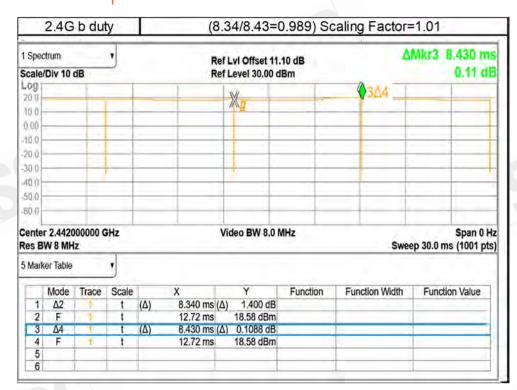
Mode	Channel	Frequency (MHz)	GFSK			
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)		
	CH 00	2402		6.51		
BLE_2M	CH 19 CH 39	2440	7	6.72		
		2480		6.85		

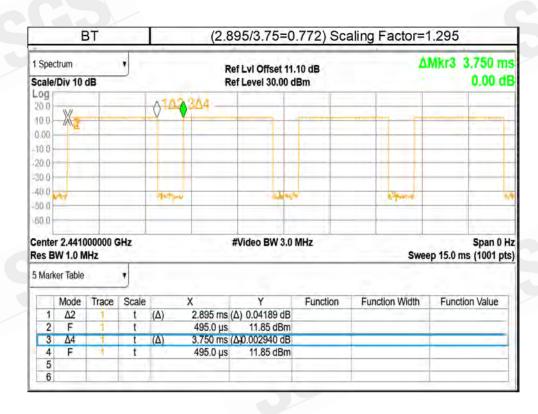
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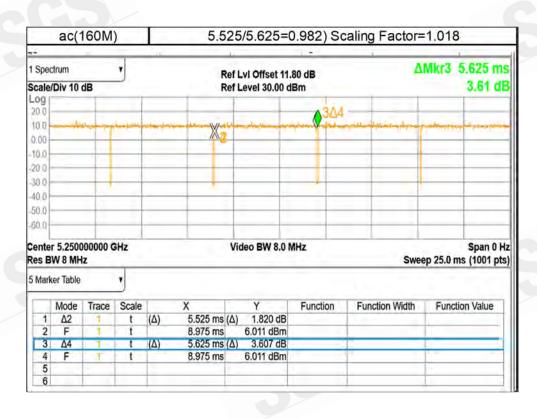
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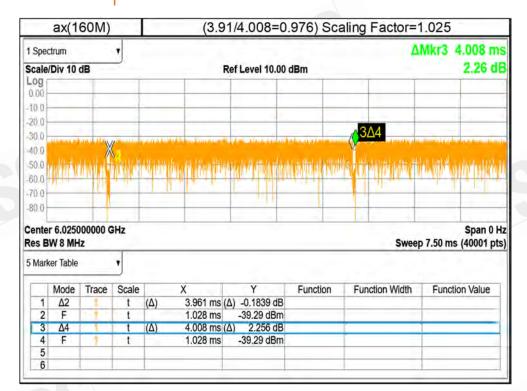
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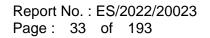
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1.4 Test Environment

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

1.5 Operation Description

- 1. An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band.
- 2. SAR is measured using the highest measured maximum output power channel. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
- 3. Since the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is \leq 1.2 W/kg, SAR is not required for subsequent test configuration.
- 4. Per 201904 TCBC workshops, general principles of FCC KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax SAR testing.
- 5. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands
- 6. According to KDB865664 D01, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is \geq 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 \geq 1.45 W/kg (~10% from the 1-g SAR limit)
- 7. WIFI 6E of the device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
- 8. Per October 2020 & April 2021 TCB Workshop Interim procedures and FCC guidance, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02.
- 9. WIFI 6E SAR is measured by using 6-7GHz parameters per IEC/IEEE62209-1528:2020 and report also estimated absorbed PD (for reference purposes only, not specifically for compliance).

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- 10. For the highest SAR test configurations also measure incident PD (total) using mmW near-field probe and total-field/power-density reconstruction method.
- 11. The PD test was performed with a 2 mm separation between probe sensor and EUT bottom surface.
- 12. According to October 2020 TCB Workshop Interim procedures, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.67 dB (85%) was used to determine the psPD measurement scaling factor.
- 13. The device is a clamshell notebook and SAR is measured with keyboard bottom surface touch against the flat phantom.

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1.6 EUT Testing Position

For laptop PC, according to KDB 616217 D04, SAR evaluation is required for the bottom surface of the keyboard. This EUT was tested in the base of EUT directly against the flat phantom. The required minimum test separation distance for incorporating transmitters and antennas into laptop computer display is determined with the display screen opened at an angle of 90° to the keyboard compartment.

Illustration for Laptop Setup

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For full-size tablet, according to KDB 616217 D04, SAR evaluation is required for back surface and edges of the devices. The back surface and edges of the tablet are tested with the tablet touching the phantom. Exposures from antennas through the front surface of the display section of a tablet are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary. When voice mode is supported on a tablet and it is limited to speaker mode or headset operations only, additional SAR testing for this type of voice use is not required.



Illustration for Tablet Setup

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1.7 Evaluation Procedures

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

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

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

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

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

The routines are verified and optimized for the grid dimensions used in these cube measurements. The measured volume of 30x30x30mm contains about 30g of tissue. The first procedure is an extrapolation (incl. Boundary correction) to get the points between the lowest measured plane and the surface. The next step uses 3D

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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.

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1.8 Probe Calibration Procedures

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

1.8.1 Transfer Calibration with Temperature Probes

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

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

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

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

• 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

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itself destroys the thermal equilibrium in the liquid. With a careful setup these errors can be kept small.

- 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.
- 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%.
- Temperature rise measurements are not very sensitive and therefore are often performed at a higher power level than the E-field measurements. The nonlinearities in the system (e.g., power measurements, different components, etc.) must be considered.

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

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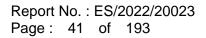
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1.8.2 Calibration with Analytical Fields

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

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

References

- (1) N. Kuster, Q. Balzano, and J.C. Lin, Eds., *Mobile Communications Safety*, Chapman & Hall, London, 1997.
- (2) K. Meier, M. Burkhardt, T. Schmid, and N. Kuster, \Broadband calibration of E-field probes in lossy media", *IEEE Transactions on Microwave Theory and Techniques*, vol. 44, no. 10, pp. 1954{1962, Oct. 1996.
- (3) K. Jokela, P. Hyysalo, and L. Puranen, \Calibration of specific absorption rate (SAR) probes in waveguide at 900 MHz", *IEEE Transactions on Instrumentation and Measurements*, vol. 47, no. 2, pp. 432{438, Apr. 1998.

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1.9 SAR System Description and Setup

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

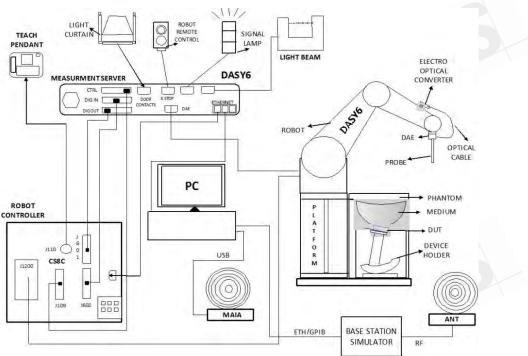


Fig. a A block diagram of the SAR measurement system

• A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).

• An isotropic Field probe optimized and calibrated for the targeted measurement.

• 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.

• The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface

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detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.

• 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.

• The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.

- A computer running Windows 10 and the DASY6 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.

• The phantom, the device holder and other accessories according to the targeted measurement.

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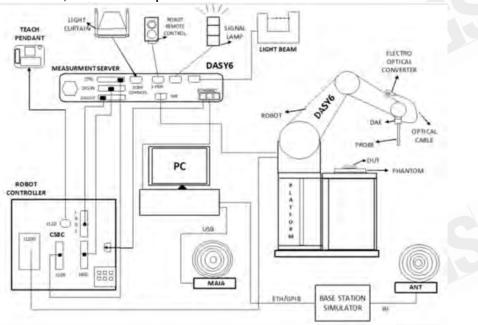


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1.9.1 Power density measurement system

DASY6 system

Power density measurements for mmWave frequencies were performed using SPEAG DASY6 with cDASY6 5G module. The DASY6 included a high precision robotics system (Staubli), robot controller, desktop computer, near-field probe, probe alignment sensor, and the 5G phantom cover.



EUmmWVx probe

The EUmmWVx probe is based on the pseudo-vector probe design, which not only measures the field magnitude but also derives its polarization ellipse. The design entails two small 0.8mm dipole sensors mechanically protected by high-density foam, printed on both sides of a 0.9mm wide and 0.12mm thick glass substrate. The body of the probe is specifically constructed to minimize distortion by the scattered fields. The probe consist of two sensors with different angles (1 and 2) arranged in the same plane in the probe axis. Three or more measurements of the two sensors are taken for different probe rotational angles to derive the amplitude and polarization information. The probe design allows measurements at distances as small as 2mm from the sensors to the surface of the device under test (DUT). The typical sensor to probe tip distance is 1.5 mm. The exact distance is calibrated.

Fig-2.1 SPEAG DASY6 system

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	Two dipoles optimally arranged to obtain pseudo-vector information.Minimum 3 measurements/ point, 120° rotated around probe axis. Sensors (0.8mm length) printed on glass substrate protected by high density foam.Low perturbation of the measured field. Requires positioner which can do accurate probe rotation.
Frequency Range	750 MHz – 110 GHz
Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm)
	Tip diameter: encapsulation 8 mm
	(internal sensor < 1mm)
	Distance from probe tip to dipole centers:
	< 2 mm. Sensor displacement to probe's
	calibration point: < 0.3 mm
Applications	E-field measurements of 5G devices and
	other mm-wave transmitters operating
	above 10GHz in < 2 mm distance from
	device (free-space).Power density, H-field
	and far-field analysis using total field
	reconstruction (cDASY6 5G module
sensor1,5mm calibrated	required)
device	
Compatibility	cDASY6 + 5G-Module SW1.0 and higher

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1.9.2 SAR System Performance Check Results

The microwave circuit arrangement for system verification is sketched in Fig. b. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% (according to KDB865664D01) from the target SAR values.

These tests were done at 2450/5250/5600/5750/6500/7000 MHz. The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed in the table 1. During the tests, the liquid depth above the ear reference points was above 15 cm 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.

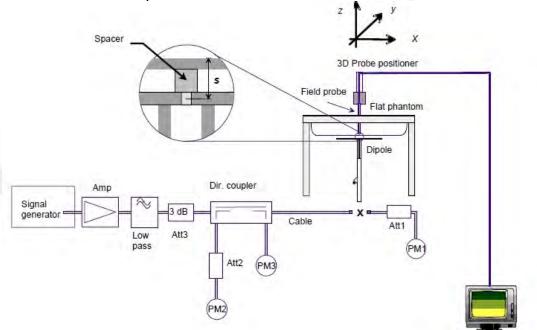


Fig. b The block diagram of system verification

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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
D2450V2	727	2450	Head	53.9	13.60	54.4	0.93%	Apr. 09, 2022				
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				
		5250	Head	81	8.13	81.3	0.37%	Mar. 17, 2022				
D5GHzV2	1023	5250	Head	81	8.19	81.9	1.11%	Mar. 17, 2022				
D3GH2V2	1023	5600	Head	84.4	8.38	83.8	-0.71%	Mar. 18, 2022				
		5750	Head	81	8.21	82.1	1.36%	Mar. 18, 2022				
D6.5GHzV2	1006	6500	Head	291	28.70	287	-1.37%	Mar. 19, 2022				
D6.5GHzV2	1006	6500	Head	291	28.90	289	-0.69%	Mar. 20, 2022				
D7GHzV2	1007	7000	Head	275	28.40	284	3.27%	Mar. 19, 2022				
D7GHzV2	1007	7000	Head	275	27.70	277	0.73%	Mar. 20, 2022				

Table 1. Results of system validation

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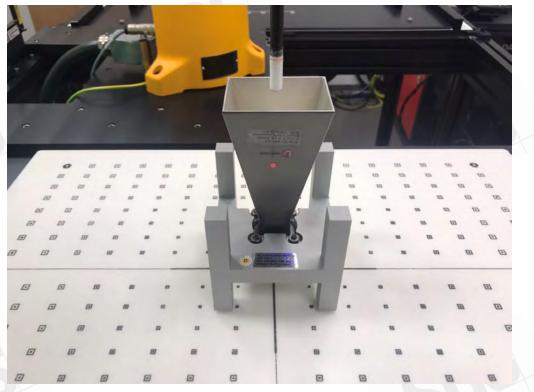


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Power Density Test System Verification

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.



System Verification Setup Photo

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PD System Verification Results

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

Frequency (GHz)	PD Verification Source	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm^2 (W/m^2)	Target 4cm^2 (W/m^2)	Deviation (dB)	Date
10G	10G	9399	877	10	74	51.9	51.7	0.02	Mar. 21, 2022

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1.9.3 SAR Tissue Verification

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 \geq 15 cm \pm 5 mm 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 ɛr	% dev σ
		2412	39.268	1.766	38.792	1.749	-1.21%	-0.98%
		2437	39.223	1.788	38.752	1.771	-1.20%	-0.98%
	Apr. 09, 2022	2450	39.200	1.800	38.731	1.781	-1.20%	-1.06%
		2462	39.185	1.813	38.715	1.795	-1.20%	-1.00%
		2480	39.162	1.833	38.680	1.813	-1.23%	-1.08%
		5250	35.929	4.706	35.559	4.676	-1.03%	-0.64%
	Mar. 17, 2022	5250	35.929	4.706	35.562	4.671	-1.02%	-0.75%
		5290	35.883	4.747	35.531	4.715	-0.98%	-0.68%
		5530	35.609	4.993	35.267	4.960	-0.96%	-0.67%
		5570	35.563	5.034	35.221	4.996	-0.96%	-0.76%
		5600	35.500	5.070	35.145	5.032	-1.00%	-0.75%
	Mar. 18, 2022	5690	35.426	5.157	35.082	5.123	-0.97%	-0.66%
		5750	35.357	5.219	34.997	5.183	-1.02%	-0.69%
		5775	35.329	5.244	34.958	5.206	-1.05%	-0.73%
		6025	35.070	5.510	34.793	5.478	-0.79%	-0.57%
		6185	34.878	5.698	34.599	5.665	-0.80%	-0.58%
Head		6345	34.686	5.890	34.402	5.852	-0.82%	-0.65%
		6500	34.500	6.070	34.238	6.034	-0.76%	-0.59%
	2022/3/19	6505	34.494	6.076	34.204	6.041	-0.84%	-0.57%
	(INPAQ)	6665	34.302	6.261	34.031	6.221	-0.79%	-0.65%
		6825	34.110	6.447	33.851	6.407	-0.76%	-0.62%
		6985	33.918	6.633	33.650	6.593	-0.79%	-0.60%
		7000	33.900	6.650	33.622	6.611	-0.82%	-0.59%
		6025	35.070	5.510	34.782	5.478	-0.82%	-0.57%
		6185	34.878	5.698	34.609	5.664	-0.77%	-0.60%
		6345	34.686	5.890	34.415	5.852	-0.78%	-0.65%
		6500	34.500	6.070	34.224	6.033	-0.80%	-0.61%
	2022/3/20	6505	34.494	6.076	34.208	6.038	-0.83%	-0.62%
	(AWAN)	6665	34.302	6.261	34.014	6.224	-0.84%	-0.60%
		6825	34.110	6.447	33.847	6.412	-0.77%	-0.54%
		6985	33.918	6.633	33.636	6.595	-0.83%	-0.57%
		7000	33.900	6.650	33.622	6.611	-0.82%	-0.59%

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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1.10 System Components

EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL2450/5250/5600/5750/6500/7000 MHz Additional CF for other liquids and frequencies upon request
Frequency	10 MHz to > 6 GHz, Linearity: ± 0.6 dB
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic	10 μW/g to > 100 mW/g
Range	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	2 ± 0.2 mm
Thickness	
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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1.11 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.

 Limits for Occupational/Controlled exposure: 0.4 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 8 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 20 W/kg, as averaged over a 10 grams of tissue (defined as a tissue volume in the shape of a cube).

Occupational/Controlled limits apply when persons are exposed as a consequence of their employment provided these persons are fully aware of and exercise control over their exposure. Awareness of exposure can be accomplished by use of warning labels or by specific training or education through appropriate means, such as an RF safety program in a work environment.

2. Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube).

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Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube).

General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure.

Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section.(Table .6)

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

RF Exposure limit for above 6GHz

According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm2 per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

Frequency range (MHz)	Electric field strength (V/m)	magnetic neia strengti		Averaging time (minutes)
	(A) Limits for O	ccupational/Controlled Expos	sures	
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/	f 4.89/f	*(900/f2)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
	(B) Limits for Gene	ral Population/Uncontrolled	xposure	· · · · · · · · · · · · · · · · · · ·
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/	f 2.19/f	*(180/f2)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	-30
1500-100,000		1.4	1.0	30

Table. RF exposure limits

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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 and IEC/IEEE 62209-1528: 2020:

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

2.2 Summary of SAR Results

AWAN

Notebook

Mode	Position	Distance	Distance CH	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR over 1g (W/kg)		Plot page
	Position	(mm)	Сп			Tolerance (dBm) (dBm)		scaling	Measured	Reported	riorpage
	Bottom Surface	0	1	2412	13.00	12.97	1.010	100.69%	0.498	0.506	-
WLAN 802.11b	Bottom Surface	0	6	2437	13.00	12.98	1.010	100.46%	0.552	0.560	75
	Bottom Surface	0	11	2462	13.00	12.89	1.010	102.57%	0.521	0.540	-
WLAN 802.11ac (160M) 5.2G	Bottom Surface	0	50	5250	10.50	10.48	1.018	100.46%	0.480	0.491	76
WLAN 802.11ac (80M) 5.3G	Bottom Surface	0	58	5290	10.50	10.46	1.078	100.93%	0.477	0.519	77
WLAN 802.11ac (160M) 5.6G	Bottom Surface	0	114	5570	10.50	10.47	1.018	100.69%	0.466	0.478	78
WLAN 802.11ac (80M) 5.8G	Bottom Surface	0	155	5775	10.50	10.49	1.078	100.23%	0.512	0.553	79

Aux											
Mode Position	Position	Distance	СН	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power (dBm)	Duty cycle scaling	Power	Averaged SAR over 1g (W/kg)		Distance
	Position	(mm)	Сп		Tolerance (dBm)			scaling	Measured	Reported	Plot page
	Bottom Surface	0	1	2412	13.00	12.97	1.010	100.69%	0.448	0.456	-
WLAN 802.11b	Bottom Surface	0	6	2437	13.00	12.99	1.010	100.23%	0.501	0.507	80
	Bottom Surface	0	11	2462	13.00	12.92	1.010	101.86%	0.473	0.487	-
Bluetooth (GFSK)	Bottom Surface	0	78	2480	11.00	9.40	1.295	144.54%	0.197	0.369	81
WLAN 802.11ac (160M) 5.2G	Bottom Surface	0	50	5250	10.50	10.48	1.018	100.46%	0.332	0.340	82
WLAN 802.11ac (80M) 5.3G	Bottom Surface	0	58	5290	10.50	10.40	1.078	102.33%	0.341	0.376	83
WLAN 802.11ac (160M) 5.6G	Bottom Surface	0	114	5570	10.50	10.43	1.018	101.62%	0.396	0.410	84
WLAN 802.11ac (80M) 5.8G	Bottom Surface	0	155	5775	10.50	10.47	1.078	100.69%	0.408	0.443	85

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WIFI 6E

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		AR over 1g /kg)	Estimated APD mW/cm ²	Plot page
						(abiii)			Measured	Reported	(4cm^2)	
WLAN 6E 802.11ax(160M) U-NII-5	Bottom Surface	0	15	6025	10.50	10.47	1.03	100.69%	0.602	0.621	0.379	86
	Bottom Surface	0	47	6185	10.50	10.48	1.03	100.46%	0.639	0.658	0.403	87
WLAN 6E 802.11ax(160M) U-NII-6	Bottom Surface	0	111	6505	10.50	10.46	1.03	100.93%	0.525	0.543	0.331	88
WLAN 6E 802.11ax(160M) U-NII-7	Bottom Surface	0	175	6825	10.50	10.46	1.03	100.93%	0.525	0.543	0.332	89
WLAN 6E 802.11ax(160M) U-NII-8	Bottom Surface	0	207	6985	10.50	10.47	1.03	100.69%	0.522	0.539	0.330	90

Aux

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		SAR over 1g /kg)	mvv/cm/2	Plot page
					roioianoo (abiii)	(abiii)			Measured	Reported	(4cm^2)	
WLAN 6E 802.11ax(160M)	Bottom Surface	0	15	6025	10.50	10.45	1.03	101.16%	0.508	0.527	0.320	91
U-NII-5	Bottom Surface	0	47	6185	10.50	10.48	1.03	100.46%	0.548	0.564	0.344	92
WLAN 6E 802.11ax(160M) U-NII-6	Bottom Surface	0	111	6505	10.50	10.49	1.03	100.23%	0.499	0.513	0.311	93
WLAN 6E 802.11ax(160M) U-NII-7	Bottom Surface	0	143	6665	10.50	10.47	1.03	100.69%	0.537	0.554	0.341	94
WLAN 6E 802.11ax(160M) U-NII-8	Bottom Surface	0	207	6985	10.50	10.48	1.03	100.46%	0.542	0.558	0.334	95

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Tablet

Mode WLAN 802.11b WLAN 802.11ac (160M) 5.2G	Position Top Edge Back Surface Back Surface Back Surface Bottom Edge Left Edge Top Edge	(mm) 0 0 0 0	CH 6 1 6	(MHz) 2437	Power + Max.	A	Duty cycle	Power	Averaged SAR	t over 1g (W/kg)	Distance
WLAN 802.11ac (160M)	Back Surface Back Surface Back Surface Bottom Edge Left Edge	0 0 0 0	1	2/37	Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	Plot page
WLAN 802.11ac (160M)	Back Surface Back Surface Bottom Edge Left Edge	0			13.00	12.98	1.010	100.46%	0.478	0.485	-
WLAN 802.11ac (160M)	Back Surface Bottom Edge Left Edge	0	6	2412	13.00	12.97	1.010	100.69%	1.050	1.068	-
WLAN 802.11ac (160M)	Bottom Edge Left Edge			2437	13.00	12.98	1.010	100.46%	1.120	1.136	96
(160M)	Left Edge	0	11	2462	13.00	12.89	1.010	102.57%	1.010	1.046	-
(160M)			6	2437	13.00	12.98	1.010	100.46%	0.011	0.011	
(160M)	Top Edge	0	6	2437	13.00	12.98	1.010	100.46%	0.041	0.042	-
(160M)		0	50	5250	10.50	10.48	1.018	100.46%	0.495	0.506	-
	Back Surface	0	50	5250	10.50	10.48	1.018	100.46%	0.608	0.622	97
	Bottom Edge	0	50	5250	10.50	10.48	1.018	100.46%	0.108	0.110	-
	Left Edge	0	50	5250	10.50	10.48	1.018	100.46%	0.046	0.047	-
WLAN 802.11ac	Top Edge	0	58	5290	10.50	10.46	1.078	100.93%	0.470	0.511	-
(80M)	Back Surface	0	58	5290	10.50	10.46	1.078	100.93%	0.842	0.916	98
5.3G	Bottom Edge	0	58	5290	10.50	10.46	1.078	100.93%	0.071	0.077	-
	Left Edge	0	58	5290	10.50	10.46	1.078	100.93%	0.048	0.052	-
WLAN 802.11ac	Top Edge	0	114	5570	10.50	10.47	1.018	100.69%	0.374	0.383	-
(160M)	Back Surface	0	114	5570 5570	10.50 10.50	10.47	1.018 1.018	100.69%	0.604	0.619 0.073	99
5.6G	Bottom Edge	0	114	5570	10.50	10.47	1.018	100.69%	0.071	0.073	
	Left Edge	0		5570		10.47					-
WLAN 802.11ac	Top Edge Back Surface	0	155	5775	10.50 10.50	10.49	1.078	100.23%	0.331 0.738	0.358	- 100
(80M)	Back Surrace Bottom Edge	0	155 155	5775	10.50	10.49	1.078	100.23%	0.738	0.797	100
5.8G	Left Edge	0	155	5775	10.50	10.49	1.078	100.23%	0.051	0.055	-
	Leit Euge	0	155	5//5	10.50	10.49	1.076	100.23%	0.059	0.064	-
Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	t over 1g (W/kg)	- Plot page
		(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
	Top Edge	0	6	2437	13.00	12.99	1.010	100.23%	0.419	0.424	-
E	Back Surface	0	1	2412	13.00	12.97	1.010	100.69%	0.856	0.871	
WLAN 802.11b	Back Surface	0	6	2437	13.00	12.99	1.010	100.23%	0.899	0.910	101
WERIY002.110	Back Surface	0	11	2462	13.00	12.92	1.010	101.86%	0.871	0.896	
L	Bottom Edge	0	6	2437	13.00	12.99	1.010	100.23%	0.027	0.027	-
	Right Edge	0	6	2437	13.00	12.99	1.010	100.23%	0.041	0.042	-
L	Top Edge	0	78	2480	11.00	9.40	1.295	144.54%	0.167	0.313	-
Bluetooth	Back Surface	0	78	2480	11.00	9.40	1.295	144.54%	0.388	0.726	102
(GFSK)	Bottom Edge	0	78	2480	11.00	9.40	1.295	144.54%	0.001	0.002	-
	Right Edge	0	78	2480	11.00	9.40	1.295	144.54%	0.001	0.002	-
	Top Edge	0	50	5250	10.50	10.48	1.018	100.46%	0.503	0.514	-
WI AN 802 11ac	Back Surface	0	50	5250	10.50	10.48	1.018	100.46%	0.734	0.751	103
WLAN 802.11ac (160M)		0	50	5250	10.50	10.48	1.018	100.46%	0.096	0.098	-
WLAN 802.11ac (160M) 5.2G	Bottom Edge		50	5250	10.50	10.48	1.018	100.46%	0.047	0.048	-
(160M)	Right Edge	0			10.50	10.40	1.078	102.33%	0.354	0.391	•
(160M)	Right Edge Top Edge	0	58	5290		10.40	1.078	102.33%			
(160M) 5.2G	Right Edge Top Edge Back Surface	0 0 0 0	58 58	5290	10.50	10.10	4.070			0.784	104
(160M) 5.2G WLAN 802.11ac	Right Edge Top Edge Back Surface Bottom Edge	0 0 0 0	58 58 58	5290 5290	10.50	10.40	1.078	102.33%	0.064	0.071	-
(160M) 5.2G WLAN 802.11ac (80M)	Right Edge Top Edge Back Surface Bottom Edge Right Edge	0 0 0 0 0	58 58 58 58	5290 5290 5290	10.50 10.50	10.40	1.078	102.33% 102.33%	0.064 0.061	0.071 0.067	-
(160M) 5.2G WLAN 802.11ac (80M)	Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge	0 0 0 0 0 0	58 58 58 58 58 114	5290 5290 5290 5570	10.50 10.50 10.50	10.40 10.43	1.078 1.018	102.33% 102.33% 101.62%	0.064 0.061 0.301	0.071 0.067 0.311	-
(160M) 5.2G WLAN 802.11ac (80M) 5.3G	Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface	0 0 0 0 0 0 0	58 58 58 58 58 114 114	5290 5290 5290 5570 5570	10.50 10.50 10.50 10.50	10.40 10.43 10.43	1.078 1.018 1.018	102.33% 102.33% 101.62% 101.62%	0.064 0.061 0.301 0.755	0.071 0.067 0.311 0.781	- - - 105
(160M) 5.2G WLAN 802.11ac (80M) 5.3G WLAN 802.11ac	Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge	0 0 0 0 0 0 0 0 0	58 58 58 114 114 114 114	5290 5290 5290 5570 5570 5570	10.50 10.50 10.50 10.50 10.50 10.50	10.40 10.43 10.43 10.43	1.078 1.018 1.018 1.018 1.018	102.33% 102.33% 101.62% 101.62% 101.62%	0.064 0.061 0.301 0.755 0.001	0.071 0.067 0.311 0.781 0.001	
(160M) 5.2G WLAN 802.11ac (80M) 5.3G WLAN 802.11ac (160M)	Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge	0 0 0 0 0 0 0 0 0 0	58 58 58 58 114 114 114 114	5290 5290 5570 5570 5570 5570 5570	10.50 10.50 10.50 10.50 10.50 10.50	10.40 10.43 10.43 10.43 10.43 10.43	1.078 1.018 1.018 1.018 1.018 1.018	102.33% 102.33% 101.62% 101.62% 101.62% 101.62%	0.064 0.061 0.301 0.755 0.001 0.052	0.071 0.067 0.311 0.781 0.001 0.054	- - - 105
(160M) 5.2G WLAN 802.11ac (80M) 5.3G WLAN 802.11ac (160M)	Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge	0 0 0 0 0 0 0 0 0 0 0 0	58 58 58 114 114 114 114 114 155	5290 5290 5570 5570 5570 5570 5570 5570 5570	10.50 10.50 10.50 10.50 10.50 10.50 10.50	10.40 10.43 10.43 10.43 10.43 10.43 10.47	1.078 1.018 1.018 1.018 1.018 1.018 1.078	102.33% 102.33% 101.62% 101.62% 101.62% 101.62% 100.69%	0.064 0.061 0.301 0.755 0.001 0.052 0.317	0.071 0.067 0.311 0.781 0.001 0.054 0.344	- - - - - - -
(160M) 5.2G WLAN 802.11ac (80M) 5.3G WLAN 802.11ac (160M) 5.6G	Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge	0 0 0 0 0 0 0 0 0 0	58 58 58 58 114 114 114 114	5290 5290 5570 5570 5570 5570 5570	10.50 10.50 10.50 10.50 10.50 10.50	10.40 10.43 10.43 10.43 10.43 10.43	1.078 1.018 1.018 1.018 1.018 1.018	102.33% 102.33% 101.62% 101.62% 101.62% 101.62%	0.064 0.061 0.301 0.755 0.001 0.052	0.071 0.067 0.311 0.781 0.001 0.054	

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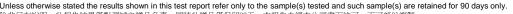


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WIFI 6E

Mode	Position	Distance (mm)	сн	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		AR over 1g /kg)	Estimated APD mW/cm/2	Plot pa
						()			Measured	Reported	(4cm/2)	
	Top Edge	0	15	6025	10.50	10.47	1.03	100.69%	0.287	0.296	0.184	-
	Back Surface	0	15	6025	10.50	10.47	1.03	100.69%	0.683	0.705	0.454	107
	Bottom Edge	0	15	6025	10.50	10.47	1.03	100.69%	0.004	0.004	0.007	-
WLAN 6E 802.11ax(160M)	Left Edge	0	15	6025	10.50	10.47	1.03	100.69%	0.008	0.008	0.026	-
U-NII-5	Top Edge	0	47	6185	10.50	10.48	1.03	100.46%	0.304	0.313	0.196	-
	Back Surface	0	47	6185	10.50	10.48	1.03	100.46%	0.716	0.737	0.477	108
	Bottom Edge	0	47	6185	10.50	10.48	1.03	100.46%	0.004	0.004	0.010	-
	Left Edge	0	47	6185	10.50	10.48	1.03	100.46%	0.008	0.008	0.017	-
	Top Edge	0	111	6505	10.50	10.46	1.03	100.93%	0.252	0.261	0.162	-
WLAN 6E 802.11ax(160M)	Back Surface	0	111	6505	10.50	10.46	1.03	100.93%	0.604	0.625	0.398	109
U-NII-6	Bottom Edge	0	111	6505	10.50	10.46	1.03	100.93%	0.005	0.005	0.004	-
	Left Edge	0	111	6505	10.50	10.46	1.03	100.93%	0.010	0.010	0.013	-
	Top Edge	0	175	6825	10.50	10.46	1.03	100.93%	0.402	0.416	0.251	-
WLAN 6E 802.11ax(160M)	Back Surface	0	175	6825	10.50	10.46	1.03	100.93%	0.773	0.800	0.504	110
U-NII-7	Bottom Edge	0	175	6825	10.50	10.46	1.03	100.93%	0.006	0.006	0.020	-
	Left Edge	0	175	6825	10.50	10.46	1.03	100.93%	0.011	0.011	0.035	-
	Top Edge	0	207	6985	10.50	10.47	1.03	100.69%	0.267	0.276	0.167	-
WLAN 6E 802.11ax(160M)	Back Surface	0	207	6985	10.50	10.47	1.03	100.69%	0.677	0.699	0.457	111
U-NII-8	Bottom Edge	0	207	6985	10.50	10.47	1.03	100.69%	0.006	0.006	0.014	-
ľ	Left Edge	0	207	6985	10.50	10.47	1.03	100.69%	0.011	0.011	0.022	-

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		SAR over 1g /kg)	Estimated APD mW/cm/2	Plot page
						()			Measured	Reported	(4cm^2)	
	Top Edge	0	15	6025	10.50	10.45	1.03	101.16%	0.215	0.223	0.142	-
	Back Surface	0	15	6025	10.50	10.45	1.03	101.16%	0.436	0.452	0.293	112
	Bottom Edge	0	15	6025	10.50	10.45	1.03	101.16%	0.007	0.007	0.011	-
WLAN 6E 802.11ax(160M)	Right Edge	0	15	6025	10.50	10.45	1.03	101.16%	0.039	0.040	0.014	-
U-NII-5	Top Edge	0	47	6185	10.50	10.48	1.03	100.46%	0.236	0.243	0.153	-
	Back Surface	0	47	6185	10.50	10.48	1.03	100.46%	0.499	0.514	0.338	113
	Bottom Edge	0	47	6185	10.50	10.48	1.03	100.46%	0.006	0.006	0.015	-
	Right Edge	0	47	6185	10.50	10.48	1.03	100.46%	0.043	0.044	0.028	-
	Top Edge	0	111	6505	10.50	10.49	1.03	100.23%	0.222	0.228	0.135	-
WLAN 6E 802.11ax(160M)	Back Surface	0	111	6505	10.50	10.49	1.03	100.23%	0.483	0.496	0.322	114
U-NII-6	Bottom Edge	0	111	6505	10.50	10.49	1.03	100.23%	0.006	0.006	0.009	-
	Right Edge	0	111	6505	10.50	10.49	1.03	100.23%	0.038	0.039	0.017	-
	Top Edge	0	143	6665	10.50	10.47	1.03	100.69%	0.295	0.304	0.196	-
WLAN 6E 802.11ax(160M)	Back Surface	0	143	6665	10.50	10.47	1.03	100.69%	0.524	0.541	0.344	115
U-NII-7	Bottom Edge	0	143	6665	10.50	10.47	1.03	100.69%	0.010	0.010	0.016	-
	Right Edge	0	143	6665	10.50	10.47	1.03	100.69%	0.031	0.032	0.032	-
	Top Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.308	0.317	0.202	-
WLAN 6E 802.11ax(160M)	Back Surface	0	207	6985	10.50	10.48	1.03	100.46%	0.523	0.539	0.406	116
U-NII-8	Bottom Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.007	0.007	0.020	-
	Right Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.033	0.034	0.034	-



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Notebook

Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAF	t over 1g (W/kg)	Plot page
NOGE	Position	(mm)	GH	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	Flot page
	Bottom Surface	0	1	2412	13.00	12.98	1.010	100.46%	0.511	0.518	-
WLAN 802.11b	Bottom Surface	0	6	2437	13.00	12.99	1.010	100.23%	0.534	0.541	117
	Bottom Surface	0	11	2462	13.00	12.97	1.010	100.69%	0.489	0.497	-
WLAN 802.11ac (160M) 5.2G	Bottom Surface	0	50	5250	10.50	10.47	1.018	100.69%	0.404	0.414	118
WLAN 802.11ac (80M) 5.3G	Bottom Surface	0	58	5290	10.50	10.48	1.078	100.46%	0.412	0.446	119
WLAN 802.11ac (160M) 5.6G	Bottom Surface	0	114	5570	10.50	10.46	1.018	100.93%	0.433	0.445	120
WLAN 802.11ac (80M) 5.8G	Bottom Surface	0	155	5775	10.50	10.49	1.078	100.23%	0.413	0.446	121

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Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	Plot page
mode	1 0011011	(mm)	011	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	r iot page
	Bottom Surface	0	1	2412	13.00	12.97	1.010	100.69%	0.444	0.452	-
WLAN 802.11b	Bottom Surface	0	6	2437	13.00	12.99	1.010	100.23%	0.454	0.460	122
	Bottom Surface	0	11	2462	13.00	12.96	1.010	100.93%	0.413	0.421	-
Bluetooth (GFSK)	Bottom Surface	0	78	2480	11.00	9.25	1.295	149.62%	0.275	0.533	123
WLAN 802.11ac (160M) 5.2G	Bottom Surface	0	50	5250	10.50	10.46	1.018	100.93%	0.414	0.425	124
WLAN 802.11ac (80M) 5.3G	Bottom Surface	0	58	5290	10.50	10.46	1.078	100.93%	0.338	0.368	125
WLAN 802.11ac (160M) 5.6G	Bottom Surface	0	114	5570	10.50	10.46	1.018	100.93%	0.397	0.408	126
WLAN 802.11ac (80M) 5.8G	Bottom Surface	0	155	5775	10.50	10.49	1.078	100.23%	0.362	0.391	127

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WIFI 6E

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		AR over 1g /kg)	Estimated APD mW/cm/2	Plot page
						()			Measured	Reported	(4cm^2)	
WLAN 6E 802.11ax(160M) U-NI-5	Bottom Surface	0	47	6185	10.50	10.40	1.03	102.33%	0.557	0.584	0.345	128
	Bottom Surface	0	79	6345	10.50	10.38	1.03	102.80%	0.576	0.607	0.358	129
WLAN 6E 802.11ax(160M) U-NII-6	Bottom Surface	0	111	6505	10.50	10.43	1.03	101.62%	0.609	0.634	0.359	130
WLAN 6E 802.11ax(160M) U-NII-7	Bottom Surface	0	143	6665	10.50	10.44	1.03	101.39%	0.632	0.657	0.400	131
WLAN 6E 802.11ax(160M) U-NII-8	Bottom Surface	0	207	6985	10.50	10.48	1.03	100.46%	0.632	0.651	0.380	132

Aux

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		AR over 1g /kg)	mvv/cm/2	Plot page
					roioianoo (abiii)	(abiii)			Measured	Reported	(4cm^2)	
WLAN 6E 802.11ax(160M)	Bottom Surface	0	15	6025	10.50	10.48	1.03	100.46%	0.563	0.580	0.347	133
U-NII-5	Bottom Surface	0	79	6345	10.50	10.46	1.03	100.93%	0.515	0.533	0.318	134
WLAN 6E 802.11ax(160M) U-NII-6	Bottom Surface	0	111	6505	10.50	10.44	1.03	101.39%	0.543	0.564	0.334	135
WLAN 6E 802.11ax(160M) U-NII-7	Bottom Surface	0	175	6825	10.50	10.47	1.03	100.69%	0.558	0.576	0.343	136
WLAN 6E 802.11ax(160M) U-NII-8	Bottom Surface	0	207	6985	10.50	10.48	1.03	100.46%	0.539	0.555	0.266	137

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Tablet

	Desiries	Distance	СН	Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	t over 1g (W/kg)	Distance
Mode	Position	(mm)	СН	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	Plot page
	Top Edge	0	6	2437	13.00	12.99	1.010	100.23%	0.521	0.527	
	Back Surface	0	1	2412	13.00	12.98	1.010	100.46%	1.030	1.045	-
WLAN 802.11b	Back Surface	0	6	2437	13.00	12.99	1.010	100.23%	1.180	1.195	138
WEAN OUZ.TTD	Back Surface	0	11	2462	13.00	12.97	1.010	100.69%	1.100	1.119	-
	Bottom Edge	0	6	2437	13.00	12.99	1.010	100.23%	0.008	0.008	-
	Left Edge	0	6	2437	13.00	12.99	1.010	100.23%	0.036	0.036	-
WLAN 802.11ac	Top Edge	0	50	5250	10.50	10.47	1.018	100.69%	0.460	0.472	-
(160M)	Back Surface	0	50	5250	10.50	10.47	1.018	100.69%	0.821	0.842	139
5.2G	Bottom Edge	0	50	5250	10.50	10.47	1.018	100.69%	0.048	0.049	-
0.20	Left Edge	0	50	5250	10.50	10.47	1.018	100.69%	0.052	0.053	
WLAN 802.11ac	Top Edge	0	58	5290	10.50	10.48	1.078	100.46%	0.435	0.471	
(80M)	Back Surface	0	58	5290	10.50	10.48	1.078	100.46%	0.862	0.934	140
5.3G	Bottom Edge	0	58	5290	10.50	10.48	1.078	100.46%	0.076	0.082	-
2.50	Left Edge	0	58	5290	10.50	10.48	1.078	100.46%	0.041	0.044	
WLAN 802,11ac	Top Edge	0	114	5570	10.50	10.46	1.018	100.93%	0.373	0.383	-
(160M)	Back Surface	0	114	5570	10.50	10.46	1.018	100.93%	0.800	0.822	141
5.6G	Bottom Edge	0	114	5570	10.50	10.46	1.018	100.93%	0.061	0.063	-
	Left Edge	0	114	5570	10.50	10.46	1.018	100.93%	0.067	0.069	-
WLAN 802,11ac	Top Edge	0	155	5775	10.50	10.49	1.078	100.23%	0.310	0.335	-
(80M)	Back Surface	0	155	5775	10.50	10.49	1.078	100.23%	0.738	0.797	142
5.8G	Bottom Edge	0	155	5775	10.50	10.49	1.078	100.23%	0.075	0.081	-
	Left Edge	0	155	5775	10.50	10.49	1.078	100.23%	0.061	0.066	-
									Averaged SAR over 1g (W/kg)		
Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	t over 1g (W/kg)	Plot page
Mode	Position	Distance (mm)	СН	Freq. (MHz)		Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR	t over 1g (W/kg) Reported	Plot page
Mode	Position Top Edge		СН		Power + Max.	Avg. Power					Plot page
Mode		(mm)		(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	
	Top Edge	(mm) 0		(MHz) 2437	Power + Max. Tolerance (dBm) 13.00	Avg. Power (dBm) 12.99	scaling 1.010	scaling 100.23%	Measured 0.327	Reported 0.331	-
Mode WLAN 802.11b	Top Edge Back Surface	(mm) 0 0	6 1	(MHz) 2437 2412	Power + Max. Tolerance (dBm) 13.00 13.00	Avg. Power (dBm) 12.99 12.97	scaling 1.010 1.010	scaling 100.23% 100.69%	Measured 0.327 0.926	Reported 0.331 0.942	
	Top Edge Back Surface Back Surface Back Surface Bottom Edge	(mm) 0 0 0 0 0	6 1 6 11 6	(MHz) 2437 2412 2437 2462 2437	Power + Max. Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00	Avg. Power (dBm) 12.99 12.97 12.99 12.96 12.99	scaling 1.010 1.010 1.010 1.010 1.010	scaling 100.23% 100.69% 100.23% 100.93% 100.23%	Measured 0.327 0.926 0.958 0.889 0.027	Reported 0.331 0.942 0.970 0.906 0.027	- 143
	Top Edge Back Surface Back Surface Back Surface	(mm) 0 0 0 0 0 0	6 1 6 11 6 6	(MHz) 2437 2412 2437 2462 2437 2437	Power + Max. Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 13.00	Avg. Power (dBm) 12.99 12.97 12.99 12.96 12.99 12.99	1.010 1.010 1.010 1.010 1.010 1.010 1.010	scaling 100.23% 100.69% 100.23% 100.93% 100.23%	Measured 0.327 0.926 0.958 0.889 0.027 0.032	Reported 0.331 0.942 0.970 0.906 0.027 0.033	- - 143 -
	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge	(mm) 0 0 0 0 0 0 0 0	6 1 6 11 6 6 78	(MHz) 2437 2412 2437 2462 2437 2437 2437 2437	Power + Max Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 13.00 11.00	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 12.99 9.25	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129	Reported 0.331 0.942 0.970 0.906 0.027 0.033 0.250	
WLAN 802.11b Bluetooth	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78	(MH2) 2437 2412 2437 2462 2437 2437 2437 2430 2480	Power + Max Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 13.00 11.00	Avg. Power (dBm) 12.99 12.97 12.99 12.96 12.99 12.99 9.25 9.25	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129 0.316	Reported 0.331 0.942 0.970 0.906 0.027 0.033 0.250 0.612	
WLAN 802.11b	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 6 6 78 78 78	(MH2) 2437 2412 2437 2462 2437 2437 2437 2480 2480 2480	Power + Max Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 13.00 11.00 11.00	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 12.99 9.25 9.25 9.25	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 149.62% 149.62%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129 0.316 0.001	Reported 0.331 0.942 0.970 0.006 0.027 0.033 0.250 0.612 0.002	
WLAN 802.11b Bluetooth	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 1 6 6 78 78 78 78 78 78 78	(MH2) 2437 2412 2437 2462 2437 2437 2437 2480 2480 2480 2480	Power + Max. Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 12.99 9.25 9.25 9.25 9.25	scaling 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129 0.316 0.001 0.011	Reported 0.331 0.942 0.970 0.027 0.033 0.250 0.612 0.002 0.021	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b Bluetooth (GFSK)	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Right Edge Right Edge Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 78 78 50	(MH2) 2437 2412 2437 2462 2437 2437 2437 2480 2480 2480 2480 2480 2480 5250	Power + Max Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 9.25 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.018	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129 0.316 0.001 0.011 0.442	Reported 0.331 0.942 0.970 0.906 0.027 0.033 0.250 0.612 0.002 0.021 0.454	
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Right Edge Top Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 6 78 78 78 78 78 78 50 50	(MHz) 2437 2412 2437 2437 2437 2437 2430 2480 2480 2480 2480 2480 2480 5250	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 11.00 10.50	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 9.25 9.25 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.295 1.295 1.295 1.295	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 149.62% 100.33%	Measured 0.327 0.926 0.958 0.027 0.032 0.129 0.316 0.001 0.011 0.442 0.632	Reported 0.331 0.942 0.970 0.027 0.027 0.027 0.027 0.027 0.042 0.042 0.002 0.021 0.0454 0.649	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M)	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Right Edge Top Edge Back Surface Bottom Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 78 78 78 78 78 50 50 50	(MHz) 2437 2412 2437 2437 2437 2437 2430 2480 2480 2480 2480 2480 5250 5250	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 11.00 10.50	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 12.99 9.25 9.25 9.25 9.25 9.25 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.018 1.018	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 100.93%	Measured 0.327 0.926 0.958 0.889 0.027 0.129 0.316 0.001 0.011 0.442 0.632 0.091	Reported 0.331 0.942 0.970 0.906 0.027 0.033 0.250 0.612 0.002 0.021 0.454 0.649 0.093	
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac	Top Edge Back Surface Back Surface Back Surface Back Surface Right Edge Top Edge Back Surface Bottom Edge Top Edge Back Surface Bottom Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 78 78 78 78 78 78 78 50 50 50 50	(MHz) 2437 2412 2437 2462 2437 2480 2480 2480 2480 2480 2480 2480 2550 5250 5250	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 10.45 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.018 1.018	scaling 100.23% 100.66% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 149.62% 149.62% 100.33%	Measured 0.327 0.928 0.958 0.089 0.027 0.129 0.316 0.001 0.011 0.442 0.652 0.091 0.091	Reported 0.331 0.942 0.970 0.906 0.027 0.033 0.250 0.0612 0.002 0.021 0.454 0.649 0.093 0.093	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M) 5.2G	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Back Surface Back Surface Back Surface Back Surface Back Surface Back Surface Bath Surface Bottom Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 6 78 78 78 78 50 50 50 50 50 50 50 58	(MHz) 2437 2412 2437 2462 2437 2437 2430 2480 2480 2480 2480 2480 5250 5250 5250 5250 5250 5250	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.99 12.99 12.99 2.25 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.018 1.018 1.018 1.018 1.018 1.018	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 100.93% 100.93% 100.93%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129 0.316 0.001 0.011 0.442 0.632 0.058 0.058	Reported 0.331 0.942 0.970 0.027 0.033 0.250 0.021 0.021 0.454 0.649 0.060 0.0570	
WLAN 802.11b Bluetooth (GF5K) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac	Top Edge Back Surface Back Surface Back Surface Bottom Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 50 50 50 50 50 50 58 58	(MHz) 2437 2412 2437 2437 2437 2437 2480 2480 2480 2480 2480 2480 2480 2480	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.018 1.018 1.018 1.078	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 100.33% 100.33%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129 0.316 0.001 0.011 0.442 0.632 0.091 0.091 0.058 0.524 0.711	Reported 0.331 0.942 0.970 0.030 0.027 0.033 0.250 0.021 0.0454 0.649 0.093 0.060 0.570 0.774	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (80M)	Top Edge Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 6 78 78 78 78 78 78 50 50 50 50 50 50 50 50 50 58 58	(MHz) 2437 2412 2437 2462 2437 2437 2480 2480 2480 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5290 5290	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.018 1.018 1.078 1.078	scaling 100.23% 100.69% 100.23% 100.33% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 149.62% 100.33% 100.33% 100.33%	Measured 0.327 0.926 0.958 0.089 0.027 0.032 0.129 0.0316 0.001 0.011 0.442 0.632 0.058 0.524 0.711 0.080	Reported 0.331 0.942 0.970 0.027 0.033 0.250 0.0612 0.0021 0.454 0.649 0.060 0.9570 0.774 0.060	
WLAN 802.11b Bluetooth (GF5K) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac	Top Edge Back Surface Back Surface Back Surface Bottom Edge Top Edge Back Surface Right Edge Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Back Surface Back Surface Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 50 50 50 50 50 50 50 58 58 58 58	(MHz) 2437 2412 2437 2437 2437 2437 2480 2480 2480 2480 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5250 5290 5290	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 10.45 10.45 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.018 1.018 1.018 1.078 1.078	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 100.33% 100.33% 100.33% 100.33%	Measured 0.327 0.928 0.958 0.889 0.027 0.032 0.129 0.316 0.001 0.011 0.442 0.632 0.091 0.055 0.524 0.711 0.080 0.087	Reported 0.331 0.942 0.970 0.033 0.250 0.612 0.021 0.454 0.649 0.903 0.660 0.570 0.774 0.087	· · · · · · · · · · · · · · · · · · ·
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (80M) 5.3G	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 78 78 78 78 78 78 78 50 50 50 50 50 50 50 50 50 50 50 50 50	(MHz) 2437 2412 2437 2462 2437 2462 2437 2480 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5250 5250 5290 5290 5290	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.078 1	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 100.93% 100.93% 100.93% 100.93% 100.93% 100.93%	Measured 0.327 0.926 0.958 0.089 0.032 0.129 0.316 0.001 0.011 0.442 0.652 0.058 0.524 0.058 0.524 0.057 0.373	Reported 0.331 0.942 0.970 0.027 0.033 0.250 0.002 0.021 0.021 0.021 0.454 0.649 0.053 0.060 0.970 0.774 0.067 0.062 0.383	· · · · · · · · · · · · · · · · · · ·
WLAN 802.11b Blueboth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (20M) 5.3G	Top Edge Back Surface Back Surface Back Surface Bottom Edge Note Edge Bottom Edge Bottom Edge Bottom Edge Bottom Edge Bottom Edge Bottom Edge Bottom Edge Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 50 50 50 50 50 50 50 50 50 50	(MHz) 2437 2412 2437 2437 2462 2437 2480 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5250 5250 5290 5290 5290 5570	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50 10.50 10.50 10.50	Avg. Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.018 1.018 1.018 1.078 1.078 1.078 1.078 1.078 1.018 1.018 1.018 1.078 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.078 1.078 1.018 1.018 1.078 1.018 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.078 1.018 1.078 1.018 1.078 1.078 1.018 1.078 1.018 1.078 1.078 1.018 1.078 1.078 1.018 1.078 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.078 1.018 1.018 1.078 1.078 1.018 1.018 1.078 1.078 1.018 1.018 1.078 1.078 1.018 1.018 1.078 1.078 1.018 1.018 1.018 1.078 1.078 1.018 1	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 149.62% 149.62% 100.33% 100.33% 100.33% 100.33%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.316 0.001 0.0442 0.632 0.058 0.524 0.711 0.060 0.067 0.373 0.742	Reported 0.331 0.942 0.970 0.027 0.033 0.250 0.612 0.649 0.062 0.0649 0.0993 0.060 0.774 0.087 0.087 0.062 0.383 0.762	
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (80M) 5.3G WLAN 802.11ac (160M)	Top Edge Back Surface Back Surface Back Surface Bottom Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 78 50 50 50 50 50 50 50 50 50 50 50 50 50	(MHz) 2437 2412 2437 2447 2437 2447 2437 2440 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5250 5290 5290 5290 5570	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.99 12.99 12.99 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.078 1.078 1.078 1.078 1.078 1.018 1.018 1.018	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 100.33% 100.33% 100.33% 100.33% 100.33% 100.33%	Measured 0.327 0.926 0.958 0.889 0.027 0.032 0.129 0.316 0.001 0.011 0.442 0.632 0.051 0.054 0.054 0.055 0.057 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.057 0.055 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.057 0.055 0.057 0.051 0.051 0.055 0.057 0.055 0.055 0.057 0.055 0.057 0.055 0.057	Reported 0.331 0.942 0.970 0.970 0.027 0.033 0.250 0.0021 0.021 0.454 0.649 0.093 0.060 0.970 0.774 0.062 0.067 0.062 0.3833 0.762 0.071	
WLAN 802.11b Blueboth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (20M) 5.3G	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 50 50 50 50 50 50 50 50 50 50	(MHz) 2437 2412 2437 2437 2462 2437 2480 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5290 5290 5570 5570	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 11.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50 10.50 10.50 10.50 10.50 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.99 12.99 12.99 12.99 9.25 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.078 1.078 1.078 1.078 1.078 1.078 1.018 1	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62%149.62% 149.62% 149.62% 149.62%149.62% 149.62% 149.62%149.62% 149.62% 149.62%140.62% 149.62%140.62% 149.62%140.62% 149.62%140.62% 149.62%140.62% 149.62%140.62% 149.62%140.62% 149.62%140.62% 149.62%140.62% 149.62%140.62%140.62% 149.62%140.62%140.62% 149.62%140.62%140.62% 140.62%140.62%140.62% 140.62%140.62%140.62%140.62% 140.62%140.62%140.62%140.62% 140.62%140.62%140.62%140.62% 140.62%140.62%140.62%140.62%140.62%140.62%140.62%140.62%140.62%140.62%140.62%140.62%140.62	Measured 0.327 0.926 0.958 0.889 0.032 0.316 0.001 0.011 0.442 0.632 0.058 0.524 0.711 0.058 0.057 0.373 0.742 0.069 0.062	Reported 0.331 0.942 0.970 0.970 0.027 0.027 0.612 0.642 0.649 0.060 0.649 0.060 0.570 0.774 0.067 0.071 0.064	
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (80M) 5.3G WLAN 802.11ac (160M) 5.6G	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 78 50 50 50 50 50 50 50 50 50 50	(MHz) 2437 2412 2437 2442 2437 2447 2447 2440 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5250 5250 5290 5290 5570 5570 5570 5570	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50 10.50 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.93 12.93 12.93 9.25 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.018 1.078 1.078 1.078 1.0178 1.018 1.018 1.078 1.018 1.018 1.018 1.018 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.018 1.018 1.018 1.018 1.078 1.018 1.078	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 100.33% 100.23% 100.33%100.23%	Measured 0.327 0.926 0.858 0.089 0.027 0.032 0.129 0.316 0.001 0.011 0.442 0.652 0.091 0.055 0.524 0.711 0.055 0.657 0.373 0.742 0.069 0.069 0.062 0.337	Reported 0.331 0.942 0.970 0.970 0.027 0.033 0.250 0.021 0.021 0.454 0.093 0.060 0.974 0.057 0.0774 0.062 0.062 0.062 0.062 0.062 0.067 0.062 0.062 0.062 0.062 0.062 0.062 0.062 0.062 0.062 0.064 0.062 0.062 0.062 0.064 0.062 0.062 0.062 0.062 0.064 0.062 0.064 0.062 0.062 0.065 0.057 0.065 0.057	
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (160M) 5.5G WLAN 802.11ac	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 1 6 78 78 78 78 78 78 50 50 50 50 50 50 50 50 50 50	(MHz) 2437 2412 2437 2437 2462 2437 2480 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5250 5250 5250 5290 5570 5570 5570 5570 5570	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 10.50	Avg, Power (dBm) 12.99 12.99 12.99 12.99 12.99 9.25 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.078 1.078 1.078 1.078 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.078 1	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 149.62% 149.62% 149.62% 100.33% 100.23% 100.33%100.33%	Measured 0.327 0.926 0.958 0.889 0.027 0.316 0.316 0.011 0.442 0.652 0.058 0.524 0.711 0.067 0.373 0.742 0.069 0.662 0.337 0.646	Reported 0.331 0.942 0.970 0.930 0.027 0.033 0.250 0.612 0.023 0.026 0.027 0.033 0.250 0.612 0.0454 0.649 0.060 0.570 0.774 0.062 0.383 0.762 0.071 0.064 0.564	
WLAN 802.11b Bluetooth (GFSK) WLAN 802.11ac (160M) 5.2G WLAN 802.11ac (80M) 5.3G WLAN 802.11ac (160M) 5.6G	Top Edge Back Surface Back Surface Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge Back Surface Bottom Edge Right Edge Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 78 78 78 78 78 78 50 50 50 50 50 50 50 50 50 50	(MHz) 2437 2412 2437 2442 2437 2447 2447 2440 2480 2480 2480 2480 2480 2480 2550 5250 5250 5250 5250 5250 5290 5290 5570 5570 5570 5570	Power + Max, Tolerance (dBm) 13.00 13.00 13.00 13.00 13.00 13.00 11.00 11.00 11.00 10.50 10.50 10.50 10.50 10.50 10.50 10.50 10.50	Avg, Power (dBm) 12.99 12.97 12.93 12.93 12.93 9.25 9.25 9.25 9.25 9.25 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46 10.46	scaling 1.010 1.010 1.010 1.010 1.010 1.010 1.295 1.295 1.295 1.295 1.295 1.018 1.018 1.018 1.018 1.078 1.078 1.078 1.0178 1.018 1.018 1.078 1.018 1.018 1.018 1.018 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.078 1.018 1.018 1.078 1.018 1.078 1.018 1.018 1.018 1.018 1.018 1.078 1.018 1.078	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23% 149.62% 149.62% 149.62% 149.62% 100.33% 100.23% 100.33%100.23%	Measured 0.327 0.926 0.858 0.089 0.027 0.032 0.129 0.316 0.001 0.011 0.442 0.652 0.091 0.055 0.524 0.711 0.055 0.657 0.373 0.742 0.069 0.069 0.062 0.337	Reported 0.331 0.942 0.970 0.970 0.027 0.033 0.250 0.021 0.021 0.454 0.093 0.060 0.974 0.057 0.0774 0.062 0.062 0.062 0.062 0.062 0.067 0.062 0.062 0.062 0.062 0.062 0.062 0.062 0.062 0.062 0.064 0.062 0.062 0.062 0.064 0.062 0.062 0.062 0.062 0.064 0.062 0.064 0.062 0.062 0.065 0.057 0.065 0.057	

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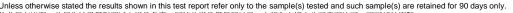


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WIFI 6E

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged S (W)	AR over 1g /kg)	Estimated APD mW/cm/2	Plot page
					, ,	()			Measured	Reported	(4cm^2)	
	Top Edge	0	47	6185	10.50	10.40	1.03	102.33%	0.277	0.291	0.075	-
	Back Surface	0	47	6185	10.50	10.40	1.03	102.33%	0.537	0.563	0.366	149
	Bottom Edge	0	47	6185	10.50	10.40	1.03	102.33%	0.001	0.001	0.001	-
WLAN 6E 802.11ax(160M)	Left Edge	0	47	6185	10.50	10.40	1.03	102.33%	0.006	0.006	0.003	-
U-NII-5	Top Edge	0	79	6345	10.50	10.38	1.03	102.80%	0.293	0.309	0.092	-
	Back Surface	0	79	6345	10.50	10.38	1.03	102.80%	0.574	0.605	0.386	150
	Bottom Edge	0	79	6345	10.50	10.38	1.03	102.80%	0.003	0.003	0.001	-
	Left Edge	0	79	6345	10.50	10.38	1.03	102.80%	0.009	0.009	0.002	-
	Top Edge	0	111	6505	10.50	10.43	1.03	101.62%	0.299	0.311	0.105	-
WLAN 6E 802.11ax(160M)	Back Surface	0	111	6505	10.50	10.43	1.03	101.62%	0.594	0.619	0.399	151
U-NII-6	Bottom Edge	0	111	6505	10.50	10.43	1.03	101.62%	0.002	0.002	0.001	-
	Left Edge	0	111	6505	10.50	10.43	1.03	101.62%	0.007	0.007	0.002	-
	Top Edge	0	143	6665	10.50	10.44	1.03	101.39%	0.343	0.356	0.126	-
WLAN 6E 802.11ax(160M)	Back Surface	0	143	6665	10.50	10.44	1.03	101.39%	0.723	0.751	0.490	152
U-NII-7	Bottom Edge	0	143	6665	10.50	10.44	1.03	101.39%	0.005	0.005	0.001	-
	Left Edge	0	143	6665	10.50	10.44	1.03	101.39%	0.010	0.010	0.004	-
	Top Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.321	0.331	0.115	-
WLAN 6E 802.11ax(160M)	Back Surface	0	207	6985	10.50	10.48	1.03	100.46%	0.626	0.645	0.430	153
U-NII-8	Bottom Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.003	0.003	0.001	-
	Left Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.007	0.007	0.004	-

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		SAR over 1g /kg)	Estimated APD mW/cm ²	Plot page
					roioidilioo (dbill)	(dDill)			Measured	Reported	(4cm/2)	
	Top Edge	0	15	6025	10.50	10.48	1.03	100.46%	0.227	0.234	0.104	-
	Back Surface	0	15	6025	10.50	10.48	1.03	100.46%	0.485	0.499	0.334	154
	Bottom Edge	0	15	6025	10.50	10.48	1.03	100.46%	0.006	0.006	0.002	-
WLAN 6E 802.11ax(160M)	Right Edge	0	15	6025	10.50	10.48	1.03	100.46%	0.027	0.028	0.013	-
U-NII-5	Top Edge	0	79	6345	10.50	10.46	1.03	100.93%	0.220	0.228	0.096	-
	Back Surface	0	79	6345	10.50	10.46	1.03	100.93%	0.466	0.482	0.317	155
	Bottom Edge	0	79	6345	10.50	10.46	1.03	100.93%	0.006	0.006	0.001	•
	Right Edge	0	79	6345	10.50	10.46	1.03	100.93%	0.026	0.027	0.011	-
	Top Edge	0	111	6505	10.50	10.44	1.03	101.39%	0.213	0.221	0.088	-
WLAN 6E 802.11ax(160M)	Back Surface	0	111	6505	10.50	10.44	1.03	101.39%	0.447	0.465	0.295	156
U-NII-6	Bottom Edge	0	111	6505	10.50	10.44	1.03	101.39%	0.005	0.005	0.001	-
	Right Edge	0	111	6505	10.50	10.44	1.03	101.39%	0.024	0.025	0.010	-
	Top Edge	0	175	6825	10.50	10.47	1.03	100.69%	0.265	0.274	0.124	-
WLAN 6E 802.11ax(160M)	Back Surface	0	175	6825	10.50	10.47	1.03	100.69%	0.555	0.573	0.449	157
U-NII-7	Bottom Edge	0	175	6825	10.50	10.47	1.03	100.69%	0.007	0.007	0.003	-
	Right Edge	0	175	6825	10.50	10.47	1.03	100.69%	0.033	0.034	0.017	-
	Top Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.246	0.253	0.112	-
WLAN 6E 802.11ax(160M)	Back Surface	0	207	6985	10.50	10.48	1.03	100.46%	0.514	0.529	0.403	158
U-NII-8	Bottom Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.008	0.008	0.003	-
	Right Edge	0	207	6985	10.50	10.48	1.03	100.46%	0.030	0.031	0.016	-



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2.3 Summary of PD Results

AWAN

					Max. Rated Avg.	Measured					PD res	ult(4cm)		
Mode	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	Plot page
WLAN 6E 802.11ax(160M)	Back Surface	2	15	6025	10.50	10.47	100.69%	1.03	1.55	0.446	0.713	0.336	0.538	159
U-NII-5	Back Surface	2	47	6185	10.50	10.48	100.46%	1.03	1.55	0.404	0.645	0.349	0.557	160
WLAN 6E 802.11ax(160M) U-NII-6	Back Surface	2	111	6505	10.50	10.46	100.93%	1.03	1.55	0.368	0.590	0.324	0.520	161
WLAN 6E 802.11ax(160M) U-NII-7	Back Surface	2	175	6825	10.50	10.46	100.93%	1.03	1.55	0.494	0.792	0.422	0.677	162
WLAN 6E 802.11ax(160M) U-NII-8	Back Surface	2	207	6985	10.50	10.47	100.69%	1.03	1.55	0.472	0.755	0.361	0.578	163

					Max. Rated Avg.	Measured					PD resi	ult(4cm)		
Mode	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	Plot page
WLAN 6E 802.11ax(160M)	Bottom Surface	2	15	6025	10.50	10.45	101.16%	1.03	1.55	0.201	0.323	0.173	0.278	164
U-NII-5	Bottom Surface	2	47	6185	10.50	10.48	100.46%	1.03	1.55	0.197	0.314	0.178	0.284	165
WLAN 6E 802.11ax(160M) U-NII-6	Bottom Surface	2	111	6505	10.50	10.49	100.23%	1.03	1.55	0.204	0.325	0.166	0.264	166
WLAN 6E 802.11ax(160M) U-NII-7	Bottom Surface	2	143	6665	10.50	10.47	100.69%	1.03	1.55	0.189	0.302	0.152	0.243	167
WLAN 6E 802.11ax(160M) U-NII-8	Bottom Surface	2	207	6985	10.50	10.48	100.46%	1.03	1.55	0.176	0.281	0.158	0.252	168

INPAQ

					Max. Rated Avg.	Measured					PD res	ult(4cm)		
Mode	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	Plot page
WLAN 6E 802.11ax(160M)	Bottom Surface	2	47	6185	10.50	10.40	102.33%	1.03	1.55	0.300	0.488	0.246	0.400	169
U-NII-5	Bottom Surface	2	79	6345	10.50	10.38	102.80%	1.03	1.55	0.205	0.335	0.156	0.255	170
WLAN 6E 802.11ax(160M) U-NII-6	Bottom Surface	2	111	6505	10.50	10.43	101.62%	1.03	1.55	0.343	0.554	0.297	0.480	171
WLAN 6E 802.11ax(160M) U-NII-7	Back Surface	2	143	6665	10.50	10.44	101.39%	1.03	1.55	0.445	0.717	0.388	0.625	172
WLAN 6E 802.11ax(160M) U-NII-8	Bottom Surface	2	207	6985	10.50	10.48	100.46%	1.03	1.55	0.207	0.330	0.184	0.294	173
Aux														•

	iu A														
						Max. Rated Avg.	Measured					PD resu	ult(4cm)		
	Mode	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	Plot page
1	WLAN 6E 802.11ax(160M) U-NII-5	Bottom Surface	2	15	6025	10.50	10.48	100.46%	1.03	1.55	0.211	0.337	0.154	0.246	174
		Bottom Surface	2	79	6345	10.50	10.46	100.93%	1.03	1.55	0.210	0.337	0.172	0.276	175
	WLAN 6E 802.11ax(160M) U-NII-6	Bottom Surface	2	111	6505	10.50	10.44	101.39%	1.03	1.55	0.195	0.314	0.153	0.246	176
	WLAN 6E 802.11ax(160M) U-NII-7	Bottom Surface	2	175	6825	10.50	10.47	100.69%	1.03	1.55	0.205	0.328	0.165	0.264	177
	WLAN 6E 802.11ax(160M) U-NII-8	Bottom Surface	2	207	6985	10.50	10.48	100.46%	1.03	1.55	0.157	0.251	0.130	0.207	178

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Note:

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

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

2.4 Reporting statements of conformity

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

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3. Simultaneous Transmission Analysis

Simultaneous Transmission Scenarios:

Simultaneous Transmit Configurations	Body
WLAN 2.4GHz Main + BT Aux	Yes
WLAN 2.4GHz Main + WLAN 2.4GHz Aux	Yes
WLAN 5GHz Main + BT Aux	Yes
WLAN 5GHz Main + WLAN 5GHz Aux	Yes
WLAN 5GHz Main + WLAN 5GHz Aux + BT Aux	Yes
WLAN 6GHz Main + BT Aux	Yes
WLAN 6GHz Main + WLAN 6GHz Aux	Yes
WLAN 6GHz Main + WLAN 6GHz Aux + BT Aux	Yes

Note:

1. Bluetooth and WLAN Aux share the same antenna path, and BT can transmit with WLAN Main simultaneously.

2. For 2.4/5/6GHz WLAN Main and Aux antennas, the maximum output power of each antenna during simultaneous transmission is the same with (or less than) that used in standalone transmission, and we used the sum of 1-g SAR provision in KDB447498D01 to exclude the simultaneous transmitted SAR measurement.

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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:

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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Simultaneous Transmission Combination

AWAN

Notebook

Exposure Position Main Aux Main Aux Main A							Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	
	2	3	4	5	7	8	9	2+7	2+3	4+7	4+5	4+5+7	7+8	8+9	7+8+9
Exposure Position							6GHz WLAN Aux	Summed							
	1g SAR (W/kg)	1g SAR (W/kg)													
Bottom Surface 0	0.560	0.507	0.553	0.443	0.369	0.658	0.564	0.929	1.067	0.922	0.996	1.365	1.027	1.222	1.591



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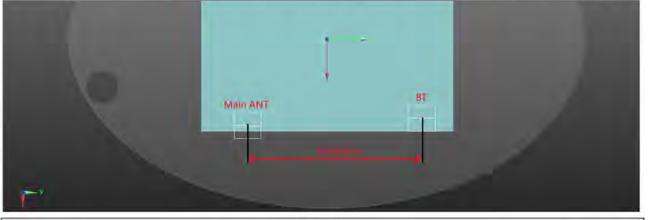


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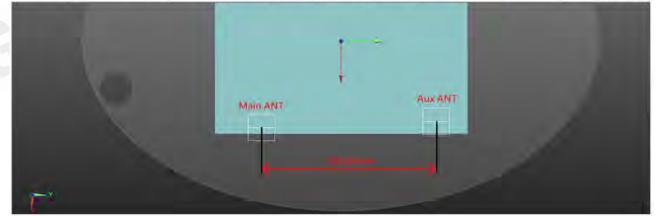
Tablet

			Report	ed SAR					Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
		2	3	4	5	7	8	9	2+7	2+3	4+7	4+5	4+5+7	7+8	8+9	7+8+9
Exposure Posi	tion	2.4GHz WLAN Main	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	6GHz WLAN Main	6GHz WLAN Aux	Summed							
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Top Edge	0	0.485	0.424	0.511	0.514	0.313	0.416	0.317	0.798	0.909	0.824	1.025	1.338	0.729	0.733	1.046
Back Surface	0	1.136	0.910	0.916	0.784	0.726	0.800	0.541	1.862	2.046	1.642	1.700	2.426	1.526	1.340	2.066
Bottom Edge	0	0.011	0.027	0.110	0.098	0.002	0.006	0.010	0.013	0.038	0.112	0.208	0.210	0.008	0.017	0.019
Right Edge	0	-	0.042		0.067	0.002	-	0.044	0.002	0.042	0.002	0.067	0.069	0.002	0.044	0.046
Left Edge	0	0.042	-	0.064	-	-	0.011	-	0.042	0.042	0.064	0.064	0.064	0.011	0.011	0.011

				Sce	enario 1:				
Position	Conditions	SAR Value	C	oordinates (c	m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
Position	Conditions	(W/kg)	x	у	z	(W/kg)	Separation Distance (mm)	SPLOK	Test
	WLAN 2.4G Main	1.136	97.00	-88.40	-3.73	1 (E) - 1		in grain	· · · · ·
Back side	BT	0.726	91.60	107.40	-3.59	1.862	195.87	0.013	SPLSR ≤ 0.04, Not required



				Sc	enario 2				
Position	Conditions	SAR Value	C	oordinates (c	m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
rosition	GUIMIUNS	(W/kg)	x	у	z	(W/kg)	Separation Distance (mm)	OF LOIN	Test
	WLAN 2.4G Main	1.136	97.00	-88.40	-3.73			ter ren i	
Back side	WLAN 2.4G Aux	0.910	92.80	107.40	-3.72	2.046	195.85	0.015	SPLSR ≤ 0.04, Not required



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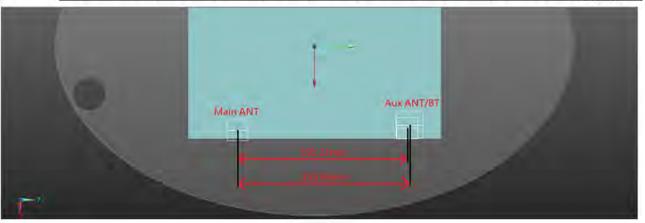
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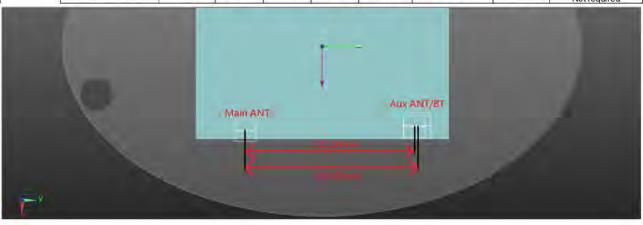


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				Sc	enario 5				
Position	Conditions	SAR Value	C	oordinates (c	m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
Position	Conditions	(W/kg)	x	у	z	(W/kg)	Separation Distance (mm)	SFLOR	Test
	WLAN 5G Main	0.916	95.80	-86.20	-3.77		-	1.1	1
Back side	WLAN 5G Aux	0.784	92.20	105.00	-3.71	1.700	191.23	0.012	SPLSR ≤ 0.04, Not required
Back side	BT	0.726	91.60	107.40	-3.59	1.642	193.65	0.011	SPLSR ≤ 0.04, Not required
	WLAN 5G Aux+BT	1.510	92.20	105.00	-3.71	2.426	191.23	0.020	SPLSR ≤ 0.04, Not required



				Sc	enario 8				
Position	Conditions	SAR Value	C	oordinates (c	m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
POSIDON	Conditions	(W/kg)	x	у	z	(W/kg)	Separation Distance (mm)	OFEOIN	Test
	WLAN 6G Main	0.800	95.80	-86.20	-3.79	-		1 1-1 I	
Back side	WLAN 6G Aux	0.541	91.80	104.80	-3.75	1.340	191.04	0.008	SPLSR ≤ 0.04, Not required
Back side	BT	0.726	91.60	107.40	-3.59	1.526	193.65	0.010	SPLSR ≤ 0.04, Not required
	WLAN 6G Aux+BT	1.267	91.80	104.80	-3.75	2.066	191.04	0.016	SPLSR ≤ 0.04, Not required



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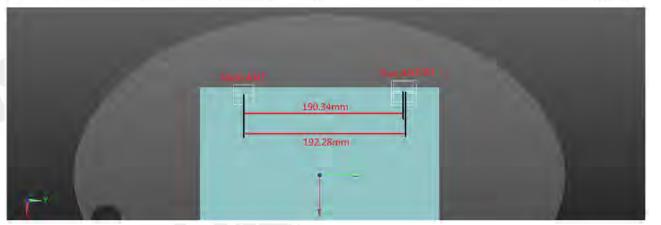
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INPAQ

Notebook

			Report	ed SAR					Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
1		2	3	4	5	7	8	9	2+7	2+3	4+7	4+5	4+5+7	7+8	8+9	7+8+9
	Exposure Position	2.4GHz WLAN Main	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	6GHz WLAN Main	6GHz WLAN Aux	Summed							
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
4	Bottom Surface 0	0.541	0.460	0.446	0.425	0.533	0.657	0.580	1.074	1.001	0.979	0.871	1.404	1.190	1.237	1.770

				Sc	enario 8:				
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
			x	у	z	(W/kg)	Separation Distance (mm)	OFLOR	Test
Back side	WLAN 6G Main	0.657	-94.40	-91.00	-3.89	14	1.0		
	WLAN 6G Aux	0.580	-101.60	99.20	-3.76	1.237	190.34	0.007	SPLSR ≤ 0.04, Not required
	BT	0.533	-100.00	101.20	-3.78	1.190	192.28	0.007	SPLSR ≤ 0.04, Not required
	WLAN 6G Aux + BT	1.113	-101.60	99.20	-3.76	1.770	190.34	0.012	SPLSR ≤ 0.04, Not required



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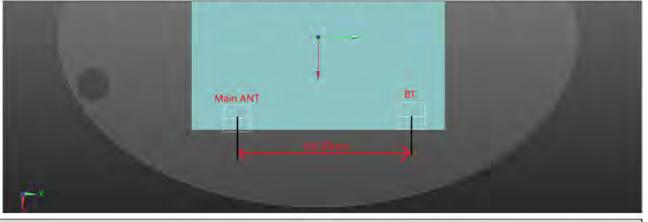


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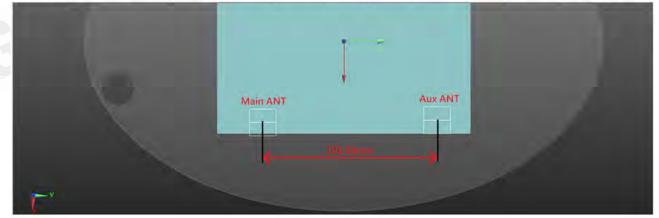
Tablet

	Reported SAR							Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	
Exposure Position		2	3	4	5	7	8	9	2+7	2+3	4+7	4+5	4+5+7	7+8	8+9	7+8+9
		2.4GHz WLAN Main	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	6GHz WLAN Main	6GHz WLAN Aux	Summed							
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Top Edge	0	0.527	0.331	0.472	0.570	0.250	0.356	0.274	0.777	0.858	0.722	1.042	1.292	0.606	0.630	0.880
Back Surface	0	1.195	0.970	0.934	0.774	0.612	0.751	0.573	1.807	2.165	1.546	1.708	2.320	1.363	1.324	1.936
Bottom Edge	0	0.008	0.027	0.082	0.093	0.002	0.005	0.008	0.010	0.035	0.084	0.175	0.177	0.007	0.013	0.015
Right Edge	0		0.033		0.064	0.021	-	0.034	0.021	0.033	0.021	0.064	0.085	0.021	0.034	0.055
Left Edge	0	0.036	-	0.069	-	-	0.010	-	0.036	0.036	0.069	0.069	0.069	0.010	0.010	0.010

				Sce	enario 1:				
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
			x	у	z	(VV/kg)	Separation Distance (mm)	OFLOR	Test
Back side	WLAN 2.4G Main	1.195	94.00	-91.60	-3.73				
	BT	0.612	90.60	104.00	-3.71	1.807	195.63	0.012	SPLSR ≤ 0.04, Not required



				Sc	enario 2					
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR	
1 USHUM			x	у	z	(W/kg)	Separation Distance (mm)	OF LOIN	Test	
27.253.4	WLAN 2.4G Main	1.195	94.00	-91.60	-3.73		1.0.04	10.20		
Back side	WLAN 2.4G Aux	0.970	90.60	104.00	-3.68	2.165	195.63	0.016	SPLSR ≤ 0.04, Not required	



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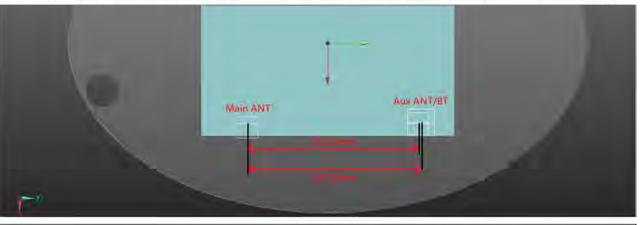
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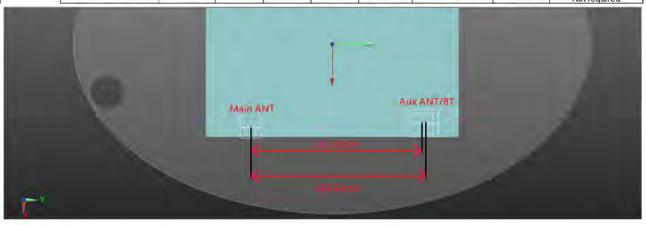


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				Sc	enario 5				
Position	Conditions	SAR Value	C	oordinates (c	m)	ΣSAR (W/kg)	Peak Location	SPLSR	Simultaneous Transmission SAR
	Conditions	(W/kg)	x	у	z		Separation Distance (mm)	SFLOR	Test
Back side	WLAN 5G Main	0.934	93.40	-90.20	-3.74		1	1.112	1
	WLAN 5G Aux	0.774	91.80	102.00	-3.67	1.708	192.21	0.012	SPLSR ≤ 0.04, Not required
	BT	0.612	90.60	104.00	-3.71	1.546	194.22	0.010	SPLSR ≤ 0.04, Not required
	WLAN 5G Aux+BT	1.386	91.80	102.00	-3.67	2.320	192.21	0.018	SPLSR ≤ 0.04, Not required



				Sc	enario 8				
Position	Conditions	SAR Value	C	oordinates (c	m)	ΣSAR (W/kg)	Peak Location	SPLSR	Simultaneous Transmission SAR
	Conditions	(W/kg)	x	у	z		Separation Distance (mm)		Test
Back side	WLAN 6G Main	0.751	93.20	-90.40	-3.75	1.1.1		in est i	
	WLAN 6G Aux	0.573	90.80	102.00	-3.72	1.324	192.41	0.008	SPLSR ≤ 0.04, Not required
	BT	0.612	90.60	104.00	-3.71	1.363	194.42	0.008	SPLSR ≤ 0.04, Not required
	WLAN 6G Aux+BT	1.185	90.80	102.00	-3.72	1.936	192.41	0.014	SPLSR ≤ 0.04, Not required



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4. Instruments List

Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field	EX3DV4	7686	Oct.05,2021	Oct.04,2022
OF EAG	Probe	EUmmWV3	9399	Jan.26,2022	Jan.25,2023
		D2450V2	727	Apr.14,2021	Apr.13,2022
	System	D5GHzV2	1023	Jan.27,2022	Jan.26,2023
SPEAG	Validation	D6.5GHzV2	1006	Aug.26,2021	Aug.25,2022
	Dipole	D7GHzV2	1007	Aug.26,2021	Aug.25,2022
		5G-Veri10	1021	Jan.24,2022	Jan.23,2023
SPEAG	Data acquisition	DAE4	877	Mar.22,2021	Mar.21,2022
SFEAG	Electronics	DAL4	1665	Feb.28,2022	Feb.27,2023
SPEAG	Software	DASY 52 V52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not	Calibration
	Thantom	mmWave		required	not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb.28,2022	Feb.27,2023
Agilent	Dual-directional	772D	MY46151242	Aug.16.2021	Aug.15.2022
Aglient	coupler	778D	MY48220468	Aug.16.2021	Aug.15.2022
Agilent	Signal Generator	N5181A	MY50141235	May.30,2021	May.29,2022
Anritsu	Power Meter	ML2496A	1337004	Oct.08.2021	Oct.07.2022
Anritsu	Power Sensor	MA2411B	1306052	Oct.08.2021	Oct.07.2022
R&S	Power Sensor	NRP18S	101973	Jan.22.2022	Jan.21.2023
TECPEL	Digital thermometer	DTM-303A	TP130074	Apr.26,2021	Apr.25,2022
R&S	Power Sensor	NRP18S	101974	Oct.12.2021	Oct.11.2022

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Date: 2022/4/9

5. Measurements

Report No. :ES/2022/20023

WLAN 802.11b Body Bottom Surface CH 6 0mm Main

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- 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) = 0.932 W/kg

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

Reference Value = 0.8650 V/m; Power Drift = 0.12 dB

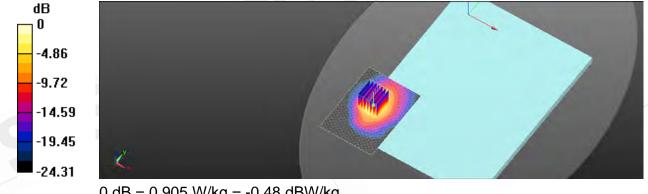
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.236 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45.3%

Maximum value of SAR (measured) = 0.905 W/kg



0 dB = 0.905 W/kg = -0.48 dBW/kg

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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.2G_Body_Bottom Surface_CH 50_0mm_Main Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

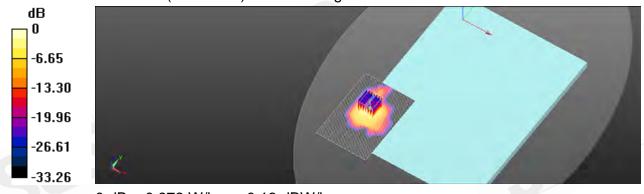
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.895 W/kg

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

Reference Value = 0.4630 V/m; Power Drift = 0.16 dB Peak SAR (extrapolated) = 1.92 W/kg **SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.142 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 55.4% Maximum value of SAR (measured) = 0.972 W/kg



0 dB = 0.972 W/kg = -0.13 dBW/kg

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Report No. :ES/2022/20023

Date: 2022/3/17

WLAN 802.11ac(80M) 5.3G_Body_Bottom Surface_CH 58_0mm_Main Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

DASY5 Configuration:

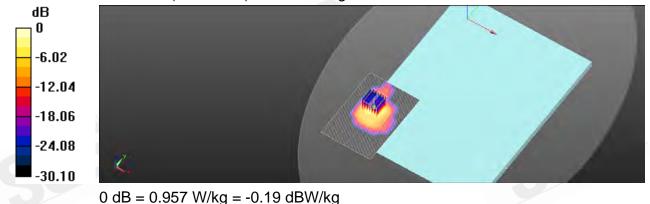
- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.912 W/kg

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

Reference Value = 0.4550 V/m; Power Drift = 0.08 dB Peak SAR (extrapolated) = 1.92 W/kg SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.141 W/kg Smallest distance from peaks to all points 3 dB below = 6.6 mm Ratio of SAR at M2 to SAR at M1 = 54.6%

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Maximum value of SAR (measured) = 0.957 W/kg
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Report No. :ES/2022/20023

Date: 2022/3/18

WLAN 802.11ac(160M) 5.6G_Body_Bottom Surface_CH 114_0mm_Main Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

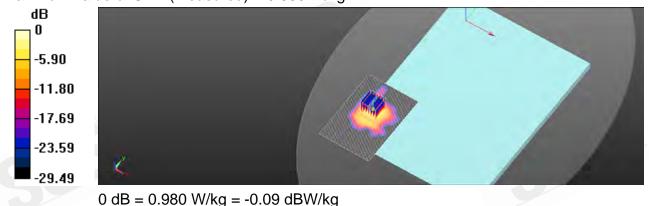
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.888 W/kg

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

Reference Value = 0.4270 V/m; Power Drift = 0.13 dB Peak SAR (extrapolated) = 2.05 W/kg SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.132 W/kg Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 52.5% Maximum value of SAR (measured) = 0.980 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Main Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

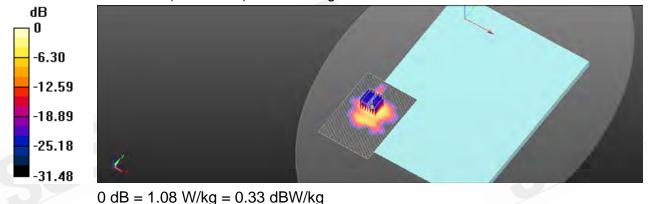
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.02 W/kg

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

Reference Value = 0.4870 V/m; Power Drift = 0.06 dB Peak SAR (extrapolated) = 2.41 W/kg **SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.140 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 51.2% Maximum value of SAR (measured) = 1.08 W/kg



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Date: 2022/4/9

Report No. :ES/2022/20023

WLAN 802.11b_Body_Bottom Surface_CH 6_0mm_Aux

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

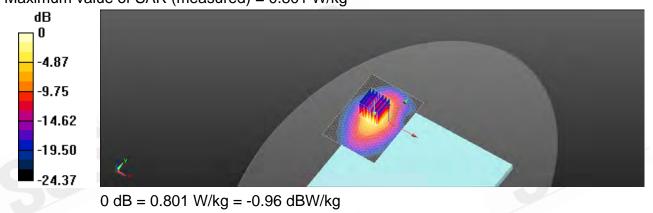
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- 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) = 0.727 W/kg

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

Reference Value = 0.7550 V/m; Power Drift = 0.14 dB Peak SAR (extrapolated) = 1.14 W/kg **SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.216 W/kg** Smallest distance from peaks to all points 3 dB below = 9.2 mm Ratio of SAR at M2 to SAR at M1 = 46.3% Maximum value of SAR (measured) = 0.801 W/kg



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Date: 2022/3/16

Report No. :ES/2022/20023

Bluetooth(GFSK)_Body_Bottom Surface_CH 78_0mm_Aux

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.295 Medium parameters used: f = 2480 MHz; σ = 1.813 S/m; ϵ_r = 38.68; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

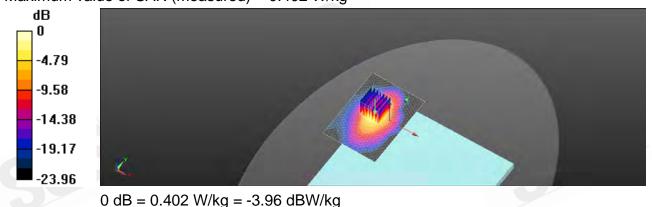
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- 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) = 0.366 W/kg

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

Reference Value = 0.2480 V/m; Power Drift = 0.17 dB Peak SAR (extrapolated) = 0.572 W/kg **SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.101 W/kg** Smallest distance from peaks to all points 3 dB below = 9.4 mm Ratio of SAR at M2 to SAR at M1 = 46% Maximum value of SAR (measured) = 0.402 W/kg



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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.2G_Body_Bottom Surface_CH 50_0mm_Aux Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

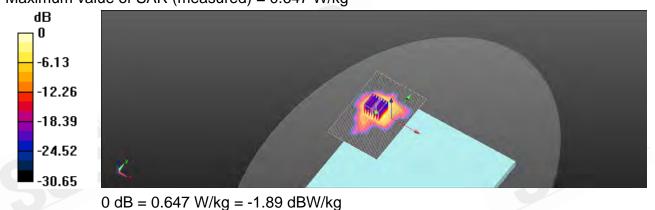
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.666 W/kg

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

Reference Value = 0.3560 V/m; Power Drift = 0.16 dB Peak SAR (extrapolated) = 1.31 W/kg **SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.105 W/kg** Smallest distance from peaks to all points 3 dB below = 6.1 mm Ratio of SAR at M2 to SAR at M1 = 54.8% Maximum value of SAR (measured) = 0.647 W/kg



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Report No. :ES/2022/20023

Date: 2022/3/17

WLAN 802.11ac(80M) 5.3G_Body_Bottom Surface_CH 58_0mm_Aux Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

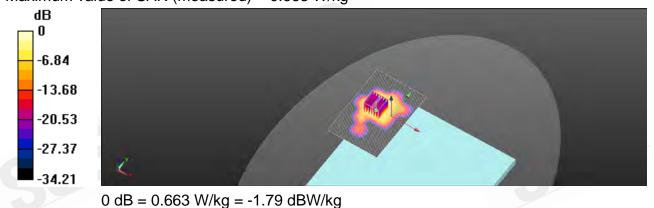
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.679 W/kg

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

Reference Value = 0.3370 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 1.34 W/kg SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.108 W/kg Smallest distance from peaks to all points 3 dB below = 6.1 mm Ratio of SAR at M2 to SAR at M1 = 55.1% Maximum value of SAR (measured) = 0.663 W/kg



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Date: 2022/3/18

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WLAN 802.11ac(160M) 5.6G_Body_Bottom Surface_CH 114_0mm_Aux Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

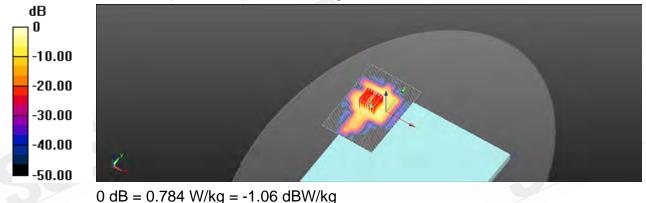
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.804 W/kg

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

Reference Value = 0.3860 V/m; Power Drift = 0.12 dB Peak SAR (extrapolated) = 1.68 W/kg **SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.118 W/kg** Smallest distance from peaks to all points 3 dB below = 6.6 mm Ratio of SAR at M2 to SAR at M1 = 52.6% Maximum value of SAR (measured) = 0.784 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Aux Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

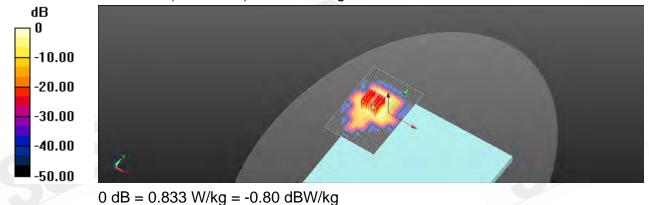
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.861 W/kg

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

Reference Value = 0.3940 V/m; Power Drift = 0.08 dB Peak SAR (extrapolated) = 1.84 W/kg **SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.118 W/kg** Smallest distance from peaks to all points 3 dB below = 6.1 mm Ratio of SAR at M2 to SAR at M1 = 51.1% Maximum value of SAR (measured) = 0.833 W/kg



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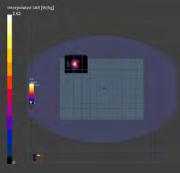


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Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Main

Model, Manufacturer				Dimen	nsions [mm]					IMEI		DUT Type		
Device,				296.0	296.0 x 218.0 x 5.0							Laptop		
Exposure Conditio	ons									1				
Phantom Section, TSL	Position, Test Distance [mm]		Band	Group, l	UID	Frequency [M	ency [MHz], Channel Number Convers			ion Factor	TSL Co	nductivity [S/m]	TSL Permittivity	
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-5	WLAN,1	0755-AAC	6025.0,15			6.2		5.478 34.782			
Hardware Setup										-				
Phantom		TSL,	Measured D	Date			Probe, Calibratio	on Date			DA	E, Calibration Date		
ELI V5.0 (20deg probe ti	ilt) - 1141	HBBL	-600-1000	0 ,2022-1	Mar-20		EX3DV4 - SN76	86, 2021-	10-05		DA	E4 Sn877, 2021-03	-22	
Scans Setup												///		
							Area Scan					Z	loom Scan	
Grid Extents [mm]							68.0 x 85.0					22.0 x 22	2.0 x 22.0	
Grid Steps [mm]							8.5 x 8.5					3.4 x	3.4 x 1.4	
Sensor Surface [mm]				3.0									1.4	
Graded Grid						V V	Yes						Yes	
Grading Ratio							1.5						1.4	
MAIA					N/A								N/A	
Surface Detection				-	VMS + 6p								VMS + 6p	
Scan Method					Measured								Measured	
Measurement Res	ults													
							Area S	ican				Z	loom Scan	
Date					2022-03-20, 05:34					:34 2022-03-20, 05:43				
psSAR1g [W/Kg]							0.	546	6 0.602					
psSAR10g [W/Kg]						0.156						0.161		
psPDab (1.0cm2, sq) [W/m2]													6.02	
psPDab (4.0cm2, sq) [W/m2]													3.79	
Power Drift [dB]						-0	0.06					-0.21		
Power Scaling	ling						Disat	oled			Disabled			
Scaling Factor [dB]														
TSL Correction						No correction			No correction					
M2/M1 [%]													57.0	
Dist 3dB Peak [mm]				/									6.5	



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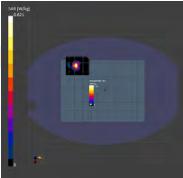


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Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Main

Device Under Test Properties				-										
Model, Manufacturer				Dir	mensions [mm]					IMEI		DUT Type		
Device,				29	6.0 x 218.0 x 5.0							Laptop		
Exposure Conditio	ons					1					1			
Phantom Section, TSL	Position, Test Distance [mm]		Band	Grou	p, UID	Frequency [N	IHz], Channel Nui	mber	Conversi	on Factor	TSL Co	nductivity [S/m]	TSL Permittivity	
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-5	WLA	LAN,10755-AAC 6185.0,47 6.2						5.664		34.609	
Hardware Setup							1							
Phantom TSL, Measured Da				Date			Probe, Calibrat	ion Date			DAI	E, Calibration Date		
ELI V5.0 (20deg probe tilt) - 1141 HBBL-600-10000				202, 0	2-Mar-20		EX3DV4 - SN76	686, 2021-1	0-05		DAI	E4 Sn877, 2021-03-	-22	
Scans Setup								1						
							Area Scan					Z	oom Scan	
Grid Extents [mm]							68.0 x 85.0					22.0 x 22	2.0 x 22.0	
Grid Steps [mm]							8.5 x 8.5					3.4 x	3.4 x 1.4	
Sensor Surface [mm]						3.0			1.4					
Graded Grid					Yes								Yes	
Grading Ratio							1.5						1.4	
MAIA							N/A						N/A	
Surface Detection					VMS + 6p								VMS + 6p	
Scan Method					Measured								Measured	
Measurement Res	ults													
								Area Scar	1			Z	oom Scan	
Date						2022-0	03-20, 05:59	9 2022-03-20, 06:14						
psSAR1g [W/Kg]								0.583	5	0.639				
psSAR10g [W/Kg]								0.162	2	0.171				
psPDab (1.0cm2, sq) [W/m2]										6.39				
psPDab (4.0cm2, sq) [W/m2]													4.03	
Power Drift [dB]								-0.06	5				-0.18	
Power Scaling					Disabled					i Disabled				
Scaling Factor [dB]														
TSL Correction					No correction					No correction				
M2/M1 [%]										55.9				
Dist 3dB Peak [mm]													6.1	



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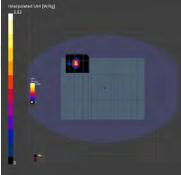


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Measurement Report for Device, BOTTOM SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Main

Device Under Test	Properties											-		
Model, Manufacturer				Dimensions [mm]						IMEI DUT Ty		DUT Type	JT Type	
Device,				296.0 x 2	296.0 × 218.0 × 5.0							Laptop		
Exposure Conditio	ns								T		1			
Phantom Section, TSL	Position, Test Distance [mm]		Band	Group, UID		Frequency	[MHz], Channel Number Conversio		ion Factor	TSL Co	nductivity [S/m]	TSL Permittivity		
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-6	WLAN, 107	55-AAC	6505.0, 11	1		6.2		6.038		34.208	
Hardware Setup														
Phantom		TSL,	Measured D	ate			Probe, Calibrat	ion Date			DA	E, Calibration Date		
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-10000				0 ,2022-Mar	-20		EX3DV4 - SN76	86, 2021-1	0-05		DA	E4 Sn877, 2021-03	-22	
Scans Setup											-			
							Area Scan						Zoom Scan	
Grid Extents [mm]							68.0 x 85.0						2.0 x 22.0	
Grid Steps [mm]							8.5 x 8.5					3.4 >	x 3.4 x 1.4	
Sensor Surface [mm]					3.0								1.4	
Graded Grid					Yes							Yes		
Grading Ratio							1.5						1.4	
MAIA					N/A							N/A		
Surface Detection					VMS + 6p								VMS + 6p	
Scan Method					Measured								Measured	
Measurement Resu	ults													
								Area Scar	n				Zoom Scan	
Date							2022-0	3-20, 06:39	Ð	2022-03-20, 06:50				
psSAR1g [W/Kg]								0.495	5	0.525				
psSAR10g [W/Kg]			_			_		0.134	4				0.140	
psPDab (1.0cm2, sq) [W/m2]													5.25	
psPDab (4.0cm2, sq) [W/m2]													3.31	
Power Drift [dB]								-0.04	4				-0.00	
Power Scaling					Disabled								Disabled	
Scaling Factor [dB]														
TSL Correction					No correction					No correction				
M2/M1 [%]										53.7				
Dist 3dB Peak [mm]													6.8	



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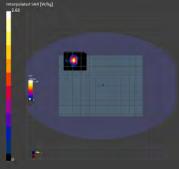
Measurement Report for Device, BOTTOM SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 175 (6825.0 MHz)_Main

Device Under Test Properties

Scans Setup

Model, Manufacturer	Dimensions [mm]		IMEI	DUT Type						
Device,	296.0 x 218.0 x 5.0			Laptop	1					
Exposure Conditio	ns									
Phantom Section, TSL	Position, Test Distance [mm] Bar		Group, UID	Frequency [MHz], Channel Number Conversion Fa		Conversion Factor	TSL Conducti	ity [S/m] TSL Permittivity		
Flat, HSL	BOTTOM SURFACE, 0.00	BOTTOM SURFACE, 0.00 U-NII-7 W		6825.0, 175		6.2 6.412			33.847	
Hardware Setup			1							
Phantom	TSL, Measured Date			Probe, Calibration Date				DAE, Calibration Date		
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-10000			00 ,2022-Mar-20	,2022-Mar-20 EX3DV4 - SN7686, 2021-10-05			DAE4 Sn877, 2021-03-22			

	Area Scan		Zoom Scan		
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0		
Grid Steps [mm]	8.5 × 8.5	3.4 x			
Sensor Surface [mm]	3.0		1.4		
Graded Grid	Yes		Yes		
Grading Ratio	1.5				
MAIA	N/A		N/A		
Surface Detection	VMS + 6p		VMS + 6p		
Scan Method	Measured		Measured		
Measurement Results	· · · ·				
		Area Scan	Zoom Scan		
Date	2022-0	03-20, 07:05	2022-03-20, 07:20		
psSAR1g [W/Kg]		0.514	0.525		
psSAR10g [W/Kg]		0.145	0.140		
psPDab (1.0cm2, sq) [W/m2]			5.25		
psPDab (4.0cm2, sq) [W/m2]			3.32		
Power Drift [dB]		-0.31	-0.11		
Power Scaling		Disabled	Disabled		
Scaling Factor [dB]					
TSL Correction	Ν	No correction	No correction		
M2/M1 [%]			51.9		



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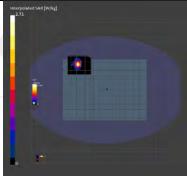
Measurement Report for Device, BOTTOM SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Main

Device Under Test Properties

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]					DUT Type	
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0					Laptop	
Exposure Conditio	ns						1		1	
Phantom Section, TSL	Position, Test Distance [mm]	Band	Band Group, UID Fre		MHz], Channel Number Conversi		ion Factor TSL Co		nductivity [S/m]	TSL Permittivity
Flat, HSL	BOTTOM SURFACE, 0.00	U-NII-8	WLAN, 10755-AAC	AN, 10755-AAC 6985.0, 207			6.14			33.636
Hardware Setup								-		
Phantom		TSL, Measured	Date		Probe, Calibration Date			DAI	E, Calibration Date	
ELI V5.0 (20deg probe tilt) - 1141 HBBL-600-10000			0,2022-Mar-20 EX3DV4 - SN7686, 2021-10			-10-05		DAI	DAE4 Sn877, 2021-03-22	

Scans Setup

Scans Setup					
	Area Sca	an	Zoom Scan		
Grid Extents [mm]	68.0 × 85.	.0	22.0 x 22.0 x 22.0		
Grid Steps [mm]	8.5 × 8.	.5	3.2 x 3.2 x 1.2		
Sensor Surface [mm]	3.	.0	1.4		
Graded Grid	Ye	es	Yes		
Grading Ratio	1.	.5	1.2		
MAIA	N/	A	N/A		
Surface Detection	VMS + 6	õp	VMS + 6p		
Scan Method	Measure	ed	Measured		
Measurement Results					
		Area Scan	Zoom Scan		
Date	202	2-03-20, 07:37	2022-03-20, 07:45		
psSAR1g [W/Kg]		0.524	0.522		
psSAR10g [W/Kg]		0.150	0.140		
psPDab (1.0cm2, sq) [W/m2]			5.22		
psPDab (4.0cm2, sq) [W/m2]					
Power Drift [dB]		-0.12	-0.24		
Power Scaling		Disabled	Disabled		
Scaling Factor [dB]					
TSL Correction		No correction	No correction		
M2/M1 [%]					
Dist 3dB Peak [mm]			6.8		



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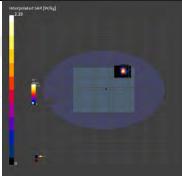
Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Aux

Device Under Test Properties

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]					DUT Type		
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0					Laptop	top	
Exposure Conditio	ons								1		
Phantom Section, TSL	Position, Test Distance [mm]	Band	Band Group, UID Fr		MHz], Channel Number Conversio		sion Factor TSL Co		nductivity [S/m]	TSL Permittivity	
Flat, HSL	BOTTOM SURFACE, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15		6.2	6.2			34.782	
Hardware Setup											
Phantom		TSL, Measured	Date		Probe, Calibration Date			DAI	E, Calibration Date		
ELI V5.0 (20deg probe tilt) - 1141 HBBL-600-10000			,2022-Mar-20 EX3DV4 - SN7686, 2021-10-05			10-05	-05 DAE4		4 Sn877, 2021-03-22		

Scans Setup

Scans Setup							
	Area Scan		Zoom Scan				
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0				
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4					
Sensor Surface [mm]	3.0	1					
Graded Grid	Yes		Yes				
Grading Ratio	1.5		1.4				
MAIA	N/A		N/A				
Surface Detection	VMS + 6p		VMS + 6p				
Scan Method	Measured		Measured				
Measurement Results							
		Zoom Scan					
Date	2022-0	03-20, 08:30	2022-03-20, 08:37				
psSAR1g [W/Kg]		0.467	0.508				
psSAR10g [W/Kg]		0.133	0.136				
psPDab (1.0cm2, sq) [W/m2]			5.08				
psPDab (4.0cm2, sq) [W/m2]			3.2				
Power Drift [dB]		-0.11	-0.04				
Power Scaling		Disabled	Disabled				
Scaling Factor [dB]							
TSL Correction		No correction	No correction				
M2/M1 [%]			55.6				
Dist 3dB Peak [mm]			6.3				



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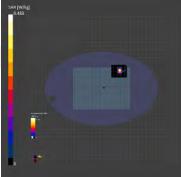


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Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Aux

Model, Manufacturer					Dimensions [mm]					IMEI		DUT Type			
Device,				20	96.0 x 218.0 x 5.0					Laptop					
Exposure Conditio	ons			12											
Phantom Section, TSL	Position, Test Distance [mm]		Band	Grou	Group, UID Frequency [MHz], Channel Number C			Convers	ion Factor	TSL Co	nductivity [S/m]	TSL Permittivity			
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-5	WLA	N, 10755-AAC	6185.0, 47			6.2		5.664		34.609		
Hardware Setup															
Phantom		TSL,	Measured [Date			Probe, Calibrati	ion Date			DA	E, Calibration Date			
ELI V5.0 (20deg probe ti	ilt) - 1141	НВВ	L-600-1000	,20	22-Mar-20		EX3DV4 - SN76	86, 2021-1	0-05		DA	E4 Sn877, 2021-03-	-22		
Scans Setup												///			
							Area Scan					Z	loom Scan		
Grid Extents [mm]							68.0 x 85.0					22.0 x 22	2.0 x 22.0		
Grid Steps [mm]							8.5 x 8.5					3.4 x	3.4 x 1.4		
Sensor Surface [mm]					3.0					1.4					
Graded Grid							Yes						Yes		
Grading Ratio							1.5						1.4		
MAIA							N/A						N/A		
Surface Detection				1	VMS + 6p								VMS + 6p		
Scan Method					Measured								Measured		
Measurement Res	ults				I.				T.		- /				
								Area Scar	1			2	Zoom Scan		
Date					2022-03-20, 08:51					51 2022-03-20, 08:5					
psSAR1g [W/Kg]					0.502					0.54					
psSAR10g [W/Kg]								0.140)				0.146		
psPDab (1.0cm2, sq) [W	/m2]												5.48		
psPDab (4.0cm2, sq) [W	/m2]												3.44		
Power Drift [dB]								-0.09)				0.04		
Power Scaling					Disabled				led Disabled						
Scaling Factor [dB]															
TSL Correction					No correction				1			No	correction		
M2/M1 [%]										54.9					
Dist 3dB Peak [mm]				1									6.7		



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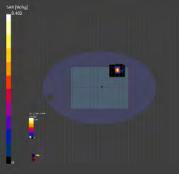
Scans Setup

Measurement Report for Device, BOTTOM SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Aux

Device Under Test Properties

Model, Manufacturer			Dimensions [mm]						DUT Type		
Device,			296.0 x 218.0 x 5.0						Laptop		
Exposure Conditio	ons										
Phantom Section, TSL	Position, Test Distance [mm]	Band	d Group, UID Frequ		cy [MHz], Channel Number Conv		Conversion Factor TSL Cor		nductivity [S/m]	TSL Permittivity	
Flat, HSL	BOTTOM SURFACE, 0.00	U-NII-6	WLAN, 10755-AAC	-AAC 6505.0, 111				6.038		34.208	
Hardware Setup								- (
Phantom		TSL, Measured	Date		Probe, Calibration Date			DAE	, Calibration Date		
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-10			00 ,2022-Mar-20		EX3DV4 - SN7686, 2021-10-05			DAE4 Sn877, 2021-03-22			
-									/		

	Area Scan		Zoom Scan				
Grid Extents [mm]	68.0 x 85.0	22.0 × 22.0 × 22					
Grid Steps [mm]	8.5 x 8.5	-	3.4 x 3.4 x 1.4				
Sensor Surface [mm]	3.0		1.4				
Graded Grid	Yes		Yes				
Grading Ratio	1.5		1.4				
MAIA	N/A		N/A				
Surface Detection	VMS + 6p		VMS + 6p				
Scan Method	Measured		Measured				
Measurement Results							
		Area Scan	Zoom Scan				
Date	2022-	03-20, 09:10	2022-03-20, 09:18				
psSAR1g [W/Kg]		0.476	0.499				
psSAR10g [W/Kg]		0.132	0.132				
psPDab (1.0cm2, sq) [W/m2]			4.99				
psPDab (4.0cm2, sq) [W/m2]			3.11				
Power Drift [dB]		-0.19	0.14				
Power Scaling		Disabled	Disabled				
Scaling Factor [dB]							
TSL Correction		No correction	No correction				
M2/M1 [%]			52.9				
Dist 3dB Peak [mm]			6.3				



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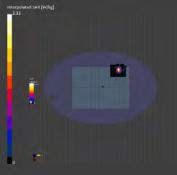
Measurement Report for Device, BOTTOM SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 143 (6665.0 MHz)_Aux

Device Under Test Properties

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]					DUT Type	
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0					Laptop	1
Exposure Conditio	ons									
Phantom Section, TSL	Position, Test Distance [mm]	Band	Band Group, UID		MHz], Channel Number Conversi		sion Factor TSL Co		nductivity [S/m]	TSL Permittivity
Flat, HSL	BOTTOM SURFACE, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143		6.2		6.224		34.014
Hardware Setup								(
Phantom		TSL, Measured	Date		Probe, Calibration Date			DAI	E, Calibration Date	
ELI V5.0 (20deg probe tilt) - 1141 HBBL-600-10000			,2022-Mar-20 EX3DV4 - SN7686, 2021-10-05			0-05	-05 DAE		E4 Sn877, 2021-03-22	

Scans Setup

Scans Setup					
	Area Sca	n	Zoom Scan		
Grid Extents [mm]	68.0 × 85.	0	22.0 x 22.0 x 22.0		
Grid Steps [mm]	8.5 × 8.	5	3.4 x 3.4 x 1.4		
Sensor Surface [mm]	3.	0	1.4		
Graded Grid	Ye	'S	Yes		
Grading Ratio	1.	5	1.4		
MAIA	N/.	A	N/A		
Surface Detection	VMS + 6	р	VMS + 6p		
Scan Method	Measure	Measured			
Measurement Results					
		Area Scan	Zoom Scan		
Date	202	2-03-20, 09:27	2022-03-20, 09:34		
psSAR1g [W/Kg]		0.489	0.537		
psSAR10g [W/Kg]		0.143	0.145		
psPDab (1.0cm2, sq) [W/m2]			5.37		
psPDab (4.0cm2, sq) [W/m2]			3.41		
Power Drift [dB]		-0.21			
Power Scaling		Disabled	Disabled		
Scaling Factor [dB]					
TSL Correction		No correction	No correction		
M2/M1 [%]			51.5		
Dist 3dB Peak [mm]			6.1		



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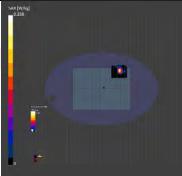


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Report No. :ES/2022/20023

Measurement Report for Device, BOTTOM SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Aux

Device Under Test	Properties												
Model, Manufacturer		Dimensions [mm]					IMEI		DUT Type				
Device,				296.0 x 218.0 x 5.0					Laptop				
Exposure Conditio	ns				1			1					
Phantom Section, TSL	Position, Test Distance [mm]	Band	Gr	roup, UID	Frequency [M	r [MHz], Channel Number C		Convers	ion Factor	TSL Co	nductivity [S/m]	TSL Permittivity	
Flat, HSL	BOTTOM SURFACE, 0.00	U-NII-8	W	LAN, 10755-AAC	6985.0, 207			6.14		6.595	95 33.636		
Hardware Setup													
Phantom		TSL, Measure	d Date	2		Probe, Calibrat	ion Date			DAI	, Calibration Date		
ELI V5.0 (20deg probe ti	lt) - 1141	HBBL-600-10	,2000	2022-Mar-20		EX3DV4 - SN76	586, 2021-1	0-05		DAI	4 Sn877, 2021-03	-22	
Scans Setup										-			
						Area Scan						Zoom Scan	
Grid Extents [mm]				68.0 x 85.0						2.0 x 22.0			
Grid Steps [mm]		8.5 × 8.5							3.4 >	3.4 x 1.4			
Sensor Surface [mm]		3.0				1.4							
Graded Grid				Yes						Yes			
Grading Ratio				1.5						1.4			
MAIA						N/A						N/A	
Surface Detection				VMS + 6p								VMS + 6p	
Scan Method				Measured								Measured	
Measurement Resu	ults									_			
							Area Scar	n				Zoom Scan	
Date				2022-03-20, 09:50					09:50 2022-03-20, 10				
psSAR1g [W/Kg]				0.502					02 0.				
psSAR10g [W/Kg]				0.144					44 0.153				
psPDab (1.0cm2, sq) [W/	/m2]											5.42	
psPDab (4.0cm2, sq) [W/	(m2]											3.34	
Power Drift [dB]							0.10	D				1.43	
Power Scaling				Disabled					abled Disabled				
Scaling Factor [dB]													
TSL Correction						1	No correction	ction No correction					
M2/M1 [%]												47.5	
Dist 3dB Peak [mm]												6.8	



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Date: 2022/4/9

Report No. :ES/2022/20023

WLAN 802.11b_Body_Back Surface_CH 6_0mm_Main

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

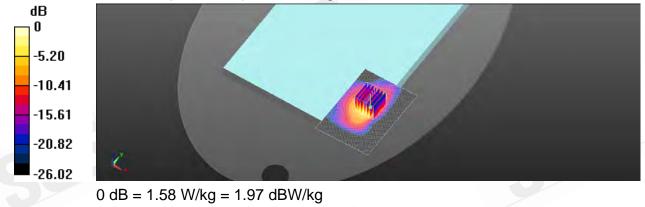
Area Scan (71x101x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 1.69 W/kg

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

Reference Value = 0.8640 V/m; Power Drift = 0.12 dB Peak SAR (extrapolated) = 2.37 W/kg SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.457 W/kg Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 45%

Maximum value of SAR (measured) = 1.58 W/kg



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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Main Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

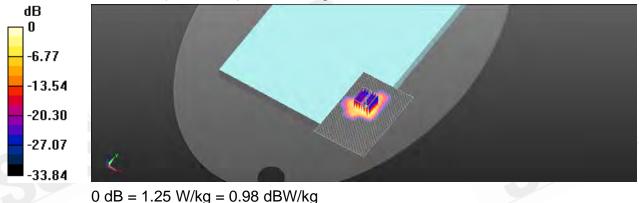
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.16 W/kg

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

Reference Value = 0.5840 V/m; Power Drift = 0.12 dB Peak SAR (extrapolated) = 2.49 W/kg **SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.174 W/kg** Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 54.8% Maximum value of SAR (measured) = 1.25 W/kg



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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Main Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

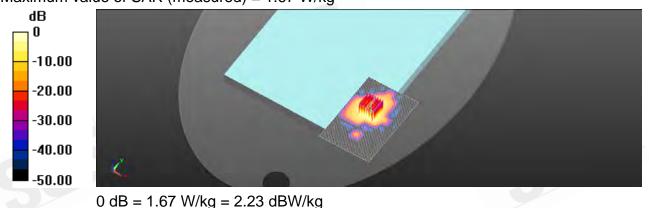
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.58 W/kg

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

Reference Value = 0.7860 V/m; Power Drift = 0.13 dB Peak SAR (extrapolated) = 3.31 W/kg **SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.235 W/kg** Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 54.3% Maximum value of SAR (measured) = 1.67 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.6G_Body_Back Surface_CH 114_0mm_Main Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

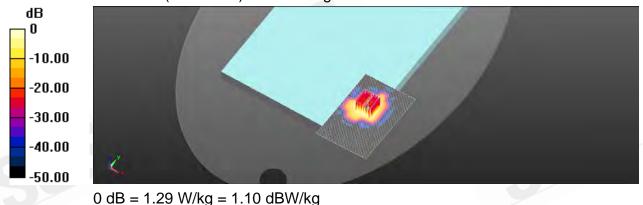
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.24 W/kg

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

Reference Value = 0.5820 V/m; Power Drift = 0.14 dB Peak SAR (extrapolated) = 2.71 W/kg **SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.166 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 51.5% Maximum value of SAR (measured) = 1.29 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.8G_Body_Back Surface_CH 155_0mm_Main Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

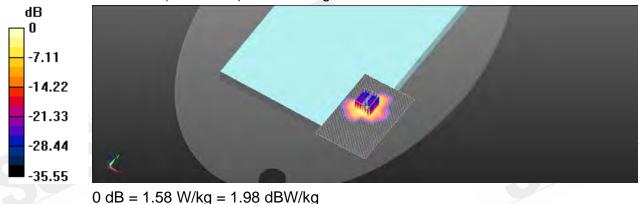
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.49 W/kg

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

Reference Value = 0.7230 V/m; Power Drift = 0.09 dB Peak SAR (extrapolated) = 3.43 W/kg **SAR(1 g) = 0.738 W/kg; SAR(10 g) = 0.202 W/kg** Smallest distance from peaks to all points 3 dB below = 6.6 mm Ratio of SAR at M2 to SAR at M1 = 50.9% Maximum value of SAR (measured) = 1.58 W/kg



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Date: 2022/4/9

Report No. :ES/2022/20023

WLAN 802.11b_Body_Back Surface_CH 6_0mm_Aux

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

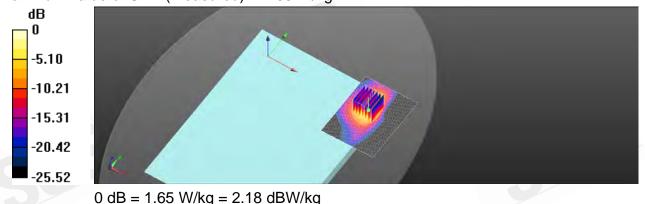
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- 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) = 1.66 W/kg

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

Reference Value = 0.9560 V/m; Power Drift = 0.06 dB Peak SAR (extrapolated) = 2.33 W/kg **SAR(1 g) = 0.899 W/kg; SAR(10 g) = 0.358 W/kg** Smallest distance from peaks to all points 3 dB below = 8.2 mm Ratio of SAR at M2 to SAR at M1 = 46.8% Maximum value of SAR (measured) = 1.65 W/kg



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Date: 2022/3/16

Report No. :ES/2022/20023

Bluetooth(GFSK)_Body_Back Surface_CH 78_0mm_Aux

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.295 Medium parameters used: f = 2480 MHz; σ = 1.813 S/m; ϵ_r = 38.68; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

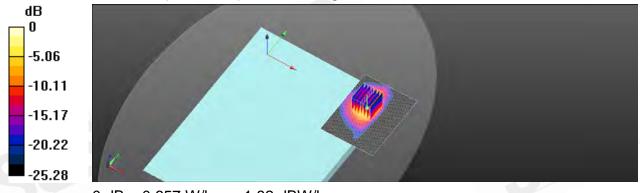
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- 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) = 0.679 W/kg

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

Reference Value = 0.3670 V/m; Power Drift = 0.14 dB Peak SAR (extrapolated) = 0.936 W/kg SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.155 W/kg Smallest distance from peaks to all points 3 dB below = 7.6 mm Ratio of SAR at M2 to SAR at M1 = 45% Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.657 W/kg = -1.82 dBW/kg

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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Aux Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

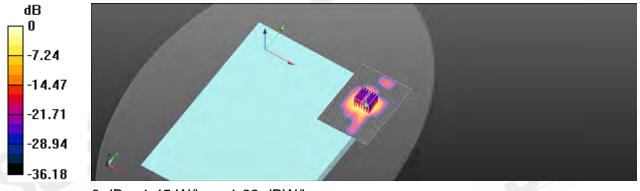
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.53 W/kg

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

Reference Value = 0.7280 V/m; Power Drift = 0.18 dB Peak SAR (extrapolated) = 2.83 W/kg **SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.221 W/kg** Smallest distance from peaks to all points 3 dB below = 6.8 mm Ratio of SAR at M2 to SAR at M1 = 55.6% Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.62 dBW/kg

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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Aux Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

DASY5 Configuration:

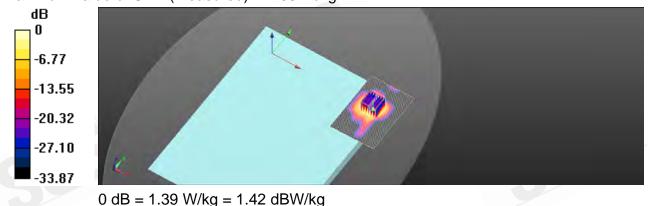
- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.45 W/kg

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

Reference Value = 0.6840 V/m; Power Drift = 0.16 dB Peak SAR (extrapolated) = 2.69 W/kg SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.210 W/kg Smallest distance from peaks to all points 3 dB below = 6.6 mm Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 1.39 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023 WLAN 802.11ac(160M) 5.6G_Body_Back Surface_CH 114_0mm_Aux Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

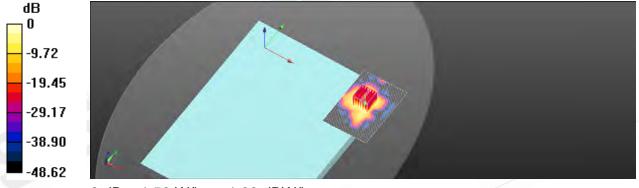
Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.63 W/kg

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

Reference Value = 0.7480 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 3.24 W/kg SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.213 W/kg Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 1.56 W/kg



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

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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.8G_Body_Back Surface_CH 155_0mm_Aux Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

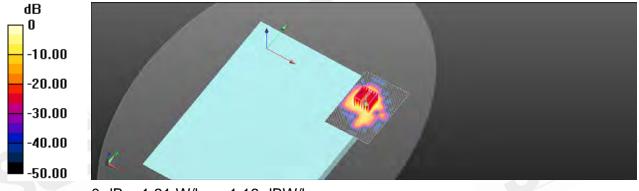
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.42 W/kg

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

Reference Value = 0.6180 V/m; Power Drift = 0.17 dB Peak SAR (extrapolated) = 2.72 W/kg **SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.173 W/kg** Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 52% Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.16 dBW/kg

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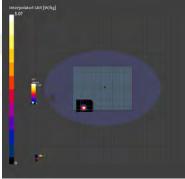
Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Main Device Under Test Properties

Model, Manufacturer			Dimensions [mm]				IMEI		DUT Type	
Device,			296.0 x 218.0 x 5.0				Laptop		Laptop	1
Exposure Conditio	ons								1	
Phantom Section, TSL	, TSL Position, Test Distance [mm]		Group, UID	Frequency [MHz], Channel Number		Conversion Factor		TSL Conductivity [S/m]		TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00 U-NII-5		WLAN,10755-AAC 6025.0,15		6.2 5.47		5.478		34.782	
Hardware Setup								(
Phantom TSL, Measured D		Jate		Probe, Calibration Date		DAE, Calibration Date				
ELI V5.0 (20deg probe tilt) - 1141 HBBL-600-1000		10 ,2022-Mar-20 E		EX3DV4 - SN7686, 2021-10-05		DAE4 Sn877, 2021-03-22				

Scans Setup

Scans Setup		
	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 × 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured
Measurement Results		
	Area Scan	Zoom Scan
Date	2022-03-20, 11:48	2022-03-20, 11:56
psSAR1g [W/Kg]	0.622	0.683
psSAR10g [W/Kg]	0.187	0.194
psPDab (1.0cm2, sq) [W/m2]		6.83
psPDab (4.0cm2, sq) [W/m2]		4.54
Power Drift [dB]	0.17	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		6.7



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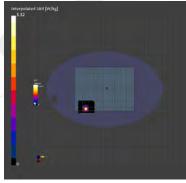
Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Main Device Under Test Properties

Model, Manufacturer			Dimensions [mm]				IMEI		DUT Type	
Device,		296.0 × 218.0 × 5.0			1		Laptop			
Exposure Condition	ns								1	
Phantom Section, TSL	Position, Test Distance [mm]		Group, UID	Frequency [MHz], Channel Number		Conversion Factor		TSL Conductivity [S/m]		TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00 U-NII-5		WLAN,10755-AAC	10755-AAC 6185.0,47		6.2 5.		5.664		34.609
Hardware Setup	X							-		
Phantom TSL, Measu		TSL, Measured [ured Date		Probe, Calibration Date		DAE, Calibration Date			
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-10		HBBL-600-1000	000 ,2022-Mar-20		EX3DV4 - SN7686, 2021-10-05		DAE4 Sn877, 2021-03-22			

Scans Setup

Scans Setup				
	Area Scan		Zoom Scan	
Grid Extents [mm]	68.0 × 85.0	68.0 x 85.0 22.0 x 2		
Grid Steps [mm]	8.5 x 8.5	3.4 x 3		
Sensor Surface [mm]	3.0		1.4	
Graded Grid	Yes		Yes	
Grading Ratio	1.5		1.4	
MAIA	N/A		N/A	
Surface Detection	VMS + 6p			
Scan Method	Measured	Measured		
Measurement Results				
		Area Scan	Zoom Scan	
Date	2022-0	2022-03-20, 12:04		
psSAR1g [W/Kg]		0.657	0.716	
psSAR10g [W/Kg]		0.197	0.203	
psPDab (1.0cm2, sq) [W/m2]			7.16	
psPDab (4.0cm2, sq) [W/m2]			4.77	
Power Drift [dB]		0.17		
Power Scaling		Disabled		
Scaling Factor [dB]				
TSL Correction	Ν	No correction	No correction	
M2/M1 [%]			53.9	
Dist 3dB Peak [mm]			6.8	



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Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Main

Model, Manufacturer		Dimensions [mm]	Dimensions [mm]			1	DUT Type		
Device,			296.0 x 218.0 x 5.0				1	Laptop	1
Exposure Conditions									
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Convers	ion Factor	TSL Cond	luctivity [S/m]	TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	6.2		6.038		34.208

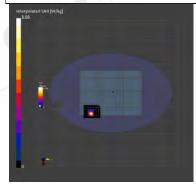
lardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) – 1141	HBBL-600-10000 ,2022-Mar-20	EX3DV4 - SN7686, 2021-10-05	DAE4 Sn877, 2021-03-22

Scans Setup

·	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 × 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured
Measurement Results		

Measurement Results		
	Area Scan	Zoom Scan
Date	2022-03-20, 13:45	2022-03-20, 13:52
psSAR1g [W/Kg]	0.557	0.604
psSAR10g [W/Kg]	0.166	0.170
psPDab (1.0cm2, sq) [W/m2]		6.04
psPDab (4.0cm2, sq) [W/m2]		3.98
Power Drift [dB]	0.14	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		6.8



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Measurement Report for Device, BACK SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 175 (6825.0 MHz)_Main

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]			DUT Type	
Device,			296.0 x 218.0 x 5.0				Laptop	1
Exposure Conditio	ns							
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conduction	vity [S/m]	TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00	U-NII-7	WLAN, 10755-AAC	6825.0, 175	6.2	6.412		33.847

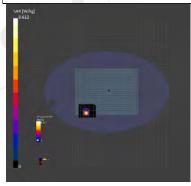
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) – 1141	HBBL-600-10000 ,2022-Mar-20	EX3DV4 - SN7686, 2021-10-05	DAE4 Sn877, 2021-03-22

Scans Setup

·	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 × 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured
Measurement Results		

Measurement Results		
	Area Scan	Zoom Scan
Date	2022-03-20, 13:29	2022-03-20, 13:36
psSAR1g [W/Kg]	0.721	0.773
psSAR10g [W/Kg]	0.215	0.214
psPDab (1.0cm2, sq) [W/m2]		7.73
psPDab (4.0cm2, sq) [W/m2]		5.04
Power Drift [dB]	0.09	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		7.1



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Measurement Report for Device, BACK SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Main

Model, Manufacturer		Dimensions [mm]	Dimensions [mm]		IMEI		DUT Type		
Device,			296.0 x 218.0 x 5.0					Laptop	1
Exposure Conditions									
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Convers	ion Factor	TSL Con	ductivity [S/m]	TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	6.14		6.595		33.636

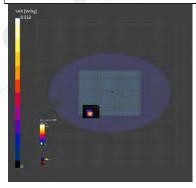
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) – 1141	HBBL-600-10000 ,2022-Mar-20	EX3DV4 - SN7686, 2021-10-05	DAE4 Sn877, 2021-03-22

Scans Setup

Scan Zoom Scan 85.0 22.0 x 22.0 x 22.0 x 8.5 3.2 x 3.2 x 1.2 3.0 1.4
x 8.5 3.2 x 3.2 x 1.2 3.0 1.4
3.0 1.4
Yes Yes
1.5 1.2
N/A N/A
+ 6p VMS + 6p
sured Measured

Measurement Results		
	Area Scan	Zoom Scan
Date	2022-03-20, 14:01	2022-03-20, 14:08
psSAR1g [W/Kg]	0.659	0.677
psSAR10g [W/Kg]	0.202	0.195
psPDab (1.0cm2, sq) [W/m2]		6.77
psPDab (4.0cm2, sq) [W/m2]		4.57
Power Drift [dB]	0.08	0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		6.3



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Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U–NII–5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Aux Device Under Test Properties

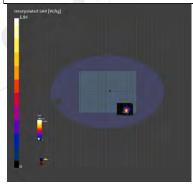
Model, Manufacturer		Dimensions [mm]	Dimensions [mm]				DUT Type		
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0				Laptop	
Exposure Condition	ns								
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Convers	ion Factor	TSL Cor	nductivity [S/m]	TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	6.2		5.478		34.782

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) – 1141	HBBL-600-10000 ,2022-Mar-20	EX3DV4 - SN7686, 2021-10-05	DAE4 Sn877, 2021-03-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 × 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results		
	Area Scan	Zoom Scan
Date	2022-03-20, 11:31	2022-03-20, 11:38
psSAR1g [W/Kg]	0.408	0.436
psSAR10g [W/Kg]	0.124	0.126
psPDab (1.0cm2, sq) [W/m2]		4.36
psPDab (4.0cm2, sq) [W/m2]		2.93
Power Drift [dB]	0.02	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.7
Dist 3dB Peak [mm]		6.8



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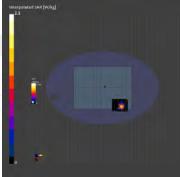
Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Aux Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	Dimensions [mm]					DUT Type				
Device,		296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0					Laptop	1		
Exposure Conditio	ons								1		
Phantom Section, TSL	Position, Test Distance [mm]	Band	Band Group, UID Fr		[MHz], Channel Number Convers		rsion Factor TSL Co		nductivity [S/m]	TSL Permittivity	
Flat, HSL	BACK SURFACE, 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47		6.2		5.664		34.609	
Hardware Setup	X							-			
Phantom TSL, Measured Dat		Date	te Probe, Calibration Dat			on Date			DAE, Calibration Date		
ELI V5.0 (20deg probe tilt) – 1141 HBBL–600–10000			00 ,2022-Mar-20	,2022-Mar-20 EX3DV4 - SN7686, 2021-10-05			05 DAE4 5		E4 Sn877, 2021-03	Sn877, 2021-03-22	
		1							/		

Scans Setup

Scans Setup					
	Area Sca	n	Zoom Scan		
Grid Extents [mm]	68.0 × 85.	D	22.0 x 22.0 x 22.0		
Grid Steps [mm]	8.5 x 8.	5	3.4 x 3.4 x 1.4		
Sensor Surface [mm]	3.1	D	1.4		
Graded Grid	Ye	s	Yes		
Grading Ratio	1.1	5	1.4		
MAIA	N//	4	N/A		
Surface Detection	VMS + 6	ρ	VMS + 6p		
Scan Method	Measure	d	Measured		
Measurement Results					
		Area Scan			
Date	2022	2-03-20, 11:12	2022-03-20, 11:19		
psSAR1g [W/Kg]		0.458	0.499		
psSAR10g [W/Kg]		0.137	0.145		
psPDab (1.0cm2, sq) [W/m2]			4.99		
psPDab (4.0cm2, sq) [W/m2]			3.38		
Power Drift [dB]		0.14			
Power Scaling		Disabled	Disabled		
Scaling Factor [dB]					
TSL Correction		No correction	No correction		
M2/M1 [%]			54.5		
Dist 3dB Peak [mm]			6.8		



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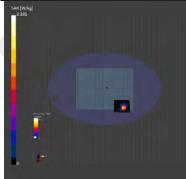
Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Aux

Model, Manufacturer			Dimensions [mm]						DUT Type	
Device,			296.0 x 218.0 x 5.0					Laptop		
Exposure Conditio	ns									
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID Frequency [M		Hz], Channel Number	Conversion	actor	TSL Cor	onductivity [S/m] TSL Permitt	
Flat, HSL	BACK SURFACE, 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111		6.2		6.038		34.208
Hardware Setup										
Phantom TSL, Measured		TSL, Measured I	Date		Probe, Calibration Date			DAE, Calibration Date		
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-100			000 ,2022-Mar-20 EX3DV4 - SN7686, 2021-10		0-05		DAE	DAE4 Sn877, 2021-03-22		

Scans Setup

Scans Setup					
	Area Scan	1	Zoom Scan		
Grid Extents [mm]	68.0 × 85.0	22.0 x 22.0 x			
Grid Steps [mm]	8.5 x 8.5		3.4 x 3.4 x 1.4		
Sensor Surface [mm]	3.0		1.4		
Graded Grid	Yes		Yes		
Grading Ratio	1.5	1.4			
MAIA	N/A		N/A		
Surface Detection	VMS + 6p	VMS + 6p			
Scan Method	Measured	1	Measure		
Measurement Results					
		Area Scan	Zoom Scan		
Date	2022	-03-20, 10:54	2022-03-20, 11:01		
psSAR1g [W/Kg]		0.456	0.48		
psSAR10g [W/Kg]		0.135	0.138		
psPDab (1.0cm2, sq) [W/m2]			4.83		
psPDab (4.0cm2, sq) [W/m2]			3.22		
Power Drift [dB]		0.12			
Power Scaling		Disabled	Disabled		
Scaling Factor [dB]					
TSL Correction		No correction	No correction		
M2/M1 [%]			52.3		
Dist 3dB Peak [mm]			7.1		



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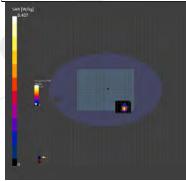
Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 143 (6665.0 MHz)_Aux Device Under Test Properties

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]					DUT Type	
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0					Laptop	
Exposure Conditio	ns						1		1	
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Group, UID Frequency [MHz		Conversion Factor		TSL Conductivity [S/m]		TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00	U-NII-7	WLAN, 10755-AAC		6.2		6.224		34.014	
Hardware Setup								- (
Phantom TSL, Measured Da		Date	Probe, Calibration Date				DA	DAE, Calibration Date		
ELI V5.0 (20deg probe tilt) – 1141 HBBL–600–10000			00 ,2022-Mar-20	,2022-Mar-20 EX3DV4 - SN7686, 2021-10-05			-05 DA		AE4 Sn877, 2021-03-22	

Scans Setup

Scans Setup						
	Area Scan		Zoom Scan			
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0			
Grid Steps [mm]	8.5 x 8.5	-	3.4 x 3.4 x 1.4			
Sensor Surface [mm]	3.0		1.4			
Graded Grid	Yes	Yes				
Grading Ratio	1.5		1.4			
MAIA	N/A		N/A			
Surface Detection	VMS + 6p		VMS + 6p			
Scan Method	Measured		Measured			
Measurement Results						
		Area Scan	Zoom Scan			
Date	2022-	03-20, 10:31	2022-03-20, 10			
psSAR1g [W/Kg]		0.493	0.524			
psSAR10g [W/Kg]		0.143	0.148			
psPDab (1.0cm2, sq) [W/m2]			5.24			
psPDab (4.0cm2, sq) [W/m2]			3.44			
Power Drift [dB]		-0.06	0.19			
Power Scaling		Disabled	Disabled			
Scaling Factor [dB]						
TSL Correction		No correction	No correction			
M2/M1 [%]			51.9			
Dist 3dB Peak [mm]			6.7			



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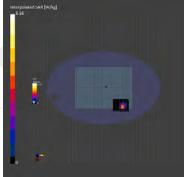


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Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Aux

Device Under Test Model, Manufacturer	4			P	Dimensions [mm]					IMEI		DUT Type		
				-						IVIEI				
Device,				29	96.0 x 218.0 x 5.0							Laptop	1	
Exposure Conditio				1					1					
Phantom Section, TSL	Position, Test Distance [mm]		Band		up, UID AN, 10755-AAC	Frequency [1 6985.0, 207	MHz], Channel Nur	mber		ion Factor		nductivity [S/m]	TSL Permittivity	
Flat, HSL	BACK SURFACE, 0.00	BACK SURFACE, 0.00 U-NII-8							6.14		6.595		33.636	
Hardware Setup														
Phantom		TSL,	Measured E	Date			Probe, Calibrati	ion Date			DA	E, Calibration Date		
ELI V5.0 (20deg probe til	lt) - 1141	HBBL	600-1000	20, 00	022-Mar-20		EX3DV4 - SN76	86, 2021-1	0-05		DA	E4 Sn877, 2021-03	-22	
Scans Setup														
							Area Scan						Zoom Scan	
Grid Extents [mm]							68.0 x 85.0						2.0 x 22.0	
Grid Steps [mm]							8.5 x 8.5	3.4 x 3.4 x					x 3.4 x 1.4	
Sensor Surface [mm]				_			3.0	1					1.4	
Graded Grid							Yes					Yes		
Grading Ratio					1.5								1.4	
MAIA						N/A					N/A			
Surface Detection				1	VMS + 6p							VMS + 6p		
Scan Method					Measured						Measured			
Measurement Resu	llts								1					
								Area Scar	n				Zoom Scan	
Date					2022-03-20, 10:12				2	2022-03-20, 10:19				
psSAR1g [W/Kg]					0.507				0.523					
psSAR10g [W/Kg]					0.151						0.156			
psPDab (1.0cm2, sq) [W/	m2]												5.23	
psPDab (4.0cm2, sq) [W/	m2]												4.06	
Power Drift [dB]								-0.13	5				0.06	
Power Scaling					Disabled							Disabled		
Scaling Factor [dB]					CIACI									
TSL Correction					No correction			1			No	correction		
M2/M1 [%]													50.9	
Dist 3dB Peak [mm]													6.9	



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Date: 2022/4/9

Report No. :ES/2022/20023

WLAN 802.11b Body Bottom Surface CH 6 0mm Main

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

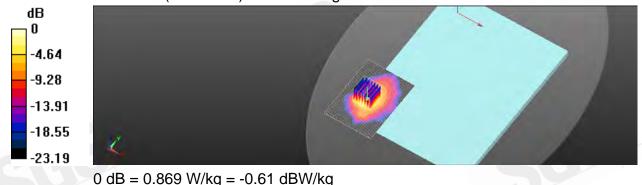
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- 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) = 0.859 W/kg

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

Reference Value = 1.253 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 1.24 W/kg SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.233 W/kgSmallest distance from peaks to all points 3 dB below = 8.5 mm Ratio of SAR at M2 to SAR at M1 = 44.4%Maximum value of SAR (measured) = 0.869 W/kg



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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.2G_Body_Bottom Surface_CH 50_0mm_Main Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

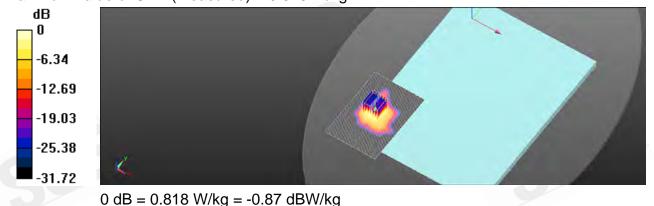
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.765 W/kg

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

Reference Value = 1.254 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 1.71 W/kg **SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.120 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 54% Maximum value of SAR (measured) = 0.818 W/kg



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Report No. : ES/2022/20023 Page : 119 of 193

Report No. :ES/2022/20023

Date: 2022/3/17

WLAN 802.11ac(80M) 5.3G_Body_Bottom Surface_CH 58_0mm_Main Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

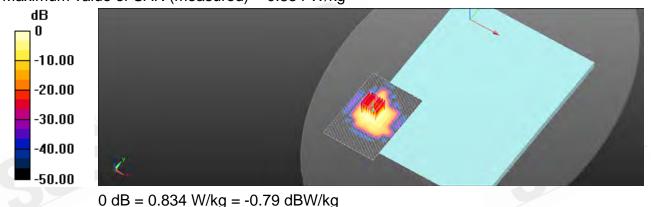
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.788 W/kg

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

Reference Value = 2.354 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 1.70 W/kg **SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.122 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 54.5% Maximum value of SAR (measured) = 0.834 W/kg



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Date: 2022/3/18

WLAN 802.11ac(160M) 5.6G_Body_Bottom Surface_CH 114_0mm_Main Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

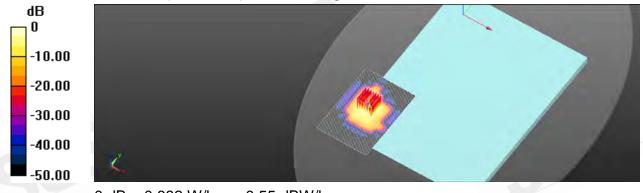
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.805 W/kg

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

Reference Value = 4.325 V/m; Power Drift = 0.07 dB Peak SAR (extrapolated) = 1.96 W/kg **SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.121 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 51.7% Maximum value of SAR (measured) = 0.882 W/kg



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

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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Main Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

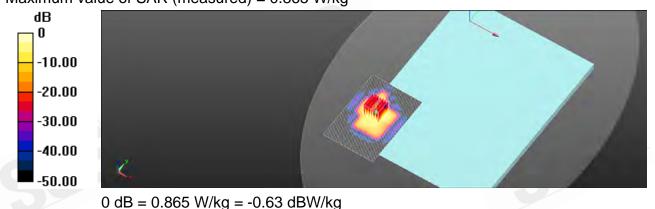
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.771 W/kg

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

Reference Value = 2.588 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 1.94 W/kg **SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.110 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 50.6% Maximum value of SAR (measured) = 0.865 W/kg



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Date: 2022/4/9

Report No. :ES/2022/20023

WLAN 802.11b_Body_Bottom Surface_CH 6_0mm_Aux

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

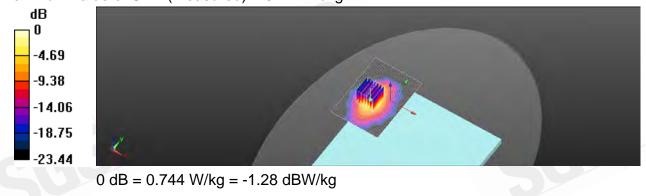
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- 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) = 0.677 W/kg

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

Reference Value = 2.353 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 1.09 W/kg **SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.196 W/kg** Smallest distance from peaks to all points 3 dB below = 8.5 mm Ratio of SAR at M2 to SAR at M1 = 43.6% Maximum value of SAR (measured) = 0.744 W/kg



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Date: 2022/3/16

Report No. :ES/2022/20023

Bluetooth(GFSK)_Body_Bottom Surface_CH 78_0mm_Aux

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.295 Medium parameters used: f = 2480 MHz; σ = 1.813 S/m; ϵ_r = 38.68; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

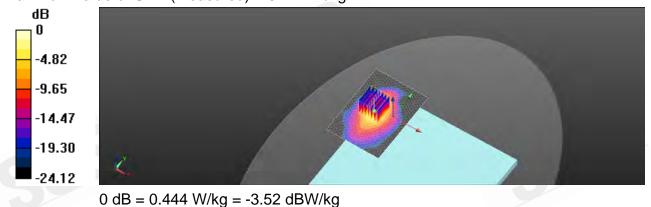
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- 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) = 0.447 W/kg

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

Reference Value = 15.45 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 0.626 W/kg **SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.117 W/kg** Smallest distance from peaks to all points 3 dB below = 8.9 mm Ratio of SAR at M2 to SAR at M1 = 46.1% Maximum value of SAR (measured) = 0.444 W/kg



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Date: 2022/3/17

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WLAN 802.11ac(160M) 5.2G_Body_Bottom Surface_CH 50_0mm_Aux Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

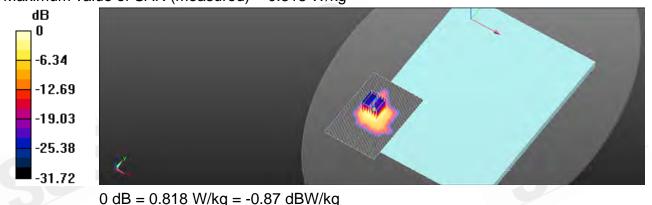
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.765 W/kg

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

Reference Value = 33.23 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 1.71 W/kg **SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.120 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 54% Maximum value of SAR (measured) = 0.818 W/kg



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WLAN 802.11ac(80M) 5.3G_Body_Bottom Surface_CH 58_0mm_Aux Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

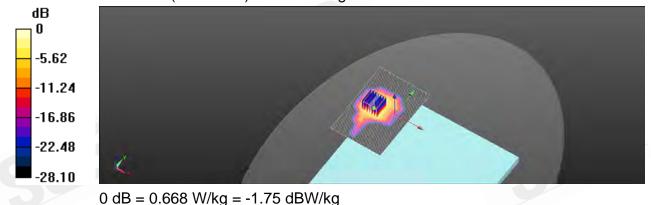
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.667 W/kg

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

Reference Value = 1.247 V/m; Power Drift = 0.05 dB Peak SAR (extrapolated) = 1.38 W/kg **SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.107 W/kg** Smallest distance from peaks to all points 3 dB below = 6.8 mm Ratio of SAR at M2 to SAR at M1 = 54.2% Maximum value of SAR (measured) = 0.668 W/kg



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WLAN 802.11ac(160M) 5.6G_Body_Bottom Surface_CH 114_0mm_Aux Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

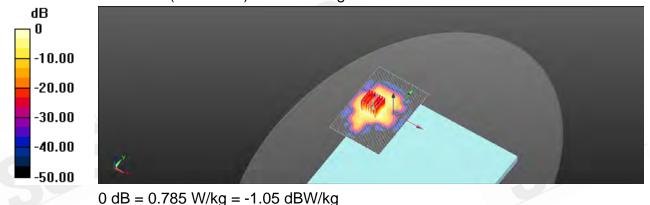
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.773 W/kg

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

Reference Value = 2.587 V/m; Power Drift = 0.04 dB Peak SAR (extrapolated) = 1.75 W/kg **SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.118 W/kg** Smallest distance from peaks to all points 3 dB below = 6.1 mm Ratio of SAR at M2 to SAR at M1 = 52.1% Maximum value of SAR (measured) = 0.785 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Aux Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

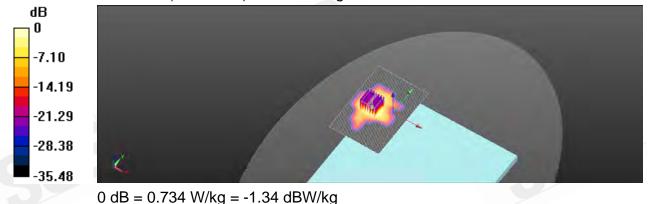
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.738 W/kg

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

Reference Value = 6.587 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 1.66 W/kg **SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.105 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) = 0.734 W/kg



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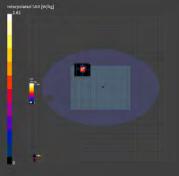


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Report No. :ES/2022/20023

Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Main

Device Under Test	Properties		_						1		1				
Model, Manufacturer				Dimensions [mm]					IMEI DUT Type						
Device,				296.0 x 218.0 x 5.0	296.0 × 218.0 × 5.0						Laptop				
Exposure Conditio	ons				T			1		1					
Phantom Section, TSL	Position, Test Distance [mm]		Band	Group, UID	Frequency [M	IHz], Channel Num	ber	Conversion Factor TSL Co			nductivity [S/m]	TSL Permittivity			
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-5	WLAN,10755-AAC	6185.0,47			6.2		5.665		34.599			
Hardware Setup															
Phantom		TSL,	Measured D	Date		Probe, Calibratio	on Date			DA	E, Calibration Date				
ELI V5.0 (20deg probe ti	0 ,2022-Mar-19		EX3DV4 - SN768	36, 2021-1	0-05		DA	E4 Sn877, 2021-03	-22						
Scans Setup															
						Area Scan						Zoom Scan			
Grid Extents [mm]				68.0 x 85.0					22.0 x 2	2.0 x 22.0					
Grid Steps [mm]						8.5 x 8.5					3.4	x 3.4 x 1.4			
Sensor Surface [mm]						3.0		1.4							
Graded Grid			Yes												
Grading Ratio					1.5							1.4			
MAIA					N/A							N/A			
Surface Detection					VMS + 6p							VMS + 6p			
Scan Method						Measured						Measured			
Measurement Res	ults														
						Area S	can					Zoom Scan			
Date					2022-03-19, 11:24					4 2022-03-19, 11:31					
psSAR1g [W/Kg]						0.5	503	0.557							
psSAR10g [W/Kg]						0.1	41					0.146			
psPDab (1.0cm2, sq) [W	/m2]											5.57			
psPDab (4.0cm2, sq) [W	/m2]											3.45			
Power Drift [dB]						-0	.11					-0.16			
Power Scaling						Disab	led					Disabled			
Scaling Factor [dB]															
TSL Correction						No correct	ion				No	correction			
M2/M1 [%]												53.8			
Dist 3dB Peak [mm]												5.0			



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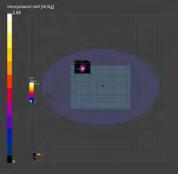


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Report No. :ES/2022/20023

Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 79 (6345.0 MHz)_Main

Device Under Test	Properties										T				
Model, Manufacturer	Dimensions [mm]					IMEI		DUT Type							
Device,				296.0 x 218.0 x 5.0							Laptop				
Exposure Conditio	ns														
Phantom Section, TSL	Position, Test Distance [mm]		Band	Group, UID	Frequency [M	IHz], Channel Num	ber	Conversion Factor TSL C			TSL Conductivity [S/m] TSL Perr				
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-5	WLAN,10755-AAC	6345.0,79			6.2		5.852 34.402					
Hardware Setup															
Phantom		TSL,	Measured D	Date		Probe, Calibratio	n Date			DA	E, Calibration Date				
ELI V5.0 (20deg probe ti	0 ,2022-Mar-19		EX3DV4 - SN768	6, 2021-	10-05		DA	E4 Sn877, 2021-03	-22						
Scans Setup															
			Area Scan							Zoom Scan					
Grid Extents [mm]				68.0 x 85.0					22.0 x 2	2.0 x 22.0					
Grid Steps [mm]						8.5 x 8.5					3.4	x 3.4 x 1.4			
Sensor Surface [mm]						3.0		1.4							
Graded Grid						Yes									
Grading Ratio					1.5					1.4					
MAIA					N/A					N/A					
Surface Detection					VMS + 6p							VMS + 6p			
Scan Method						Measured						Measured			
Measurement Resu	ults														
						Area S	an					Zoom Scan			
Date					2022-03-19, 11:51					51 2022-03-19, 11:58					
psSAR1g [W/Kg]					0.516					6 0.576					
psSAR10g [W/Kg]						0.1	47	0.151							
psPDab (1.0cm2, sq) [W/	(m2]											5.76			
psPDab (4.0cm2, sq) [W/	(m2]											3.58			
Power Drift [dB]						-0	.13					-0.10			
Power Scaling						Disab	led					Disabled			
Scaling Factor [dB]					V V										
TSL Correction						No correct	ion				No	correction			
M2/M1 [%]												54.5			
Dist 3dB Peak [mm]												6.1			



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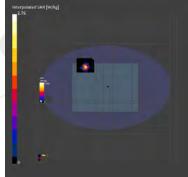
Measurement Report for Device, BOTTOM SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Main

Device Under Test Properties

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]					DUT Type			
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0						Laptop		
Exposure Condition	ns								1			
Phantom Section, TSL	Position, Test Distance [mm] Band		Group, UID	Group, UID Frequency [MHz], Channel Number			Conversion Factor TS		nductivity [S/m]	TSL Permittivity		
Flat, HSL	BOTTOM SURFACE, 0.00 U-NII-6 W		WLAN, 10755-AAC	WLAN, 10755-AAC 6505.0, 111 6			6.2 6.041			34.204		
Hardware Setup		1		1		1		(
Phantom		TSL, Measured	Date		Probe, Calibration Date			DAE, Calibration Date				
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-10000		00 ,2022-Mar-19),2022-Mar-19 EX3DV4 - SN7686, 2021-10-0				DAI	AE4 Sn877, 2021-03-22				

Scans Setup

scans setup			
	Area Scan		Zoom Scan
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0
Crid Steps [mm]	8.5 x 8.5		3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0		1.4
Graded Grid	Yes		Yes
Grading Ratio	1.5		1.4
MAIA	N/A		N/A
Surface Detection	VMS + 6p		VMS + 6p
Scan Method	Measured		Measured
Measurement Results			
		Area Scan	Zoom Scan
Date	2022-	03-19, 12:25	2022-03-19, 12:32
psSAR1g [W/Kg]		0.582	0.609
psSAR10g [W/Kg]		0.169	0.173
psPDab (1.0cm2, sq) [W/m2]			6.09
psPDab (4.0cm2, sq) [W/m2]			3.59
Power Drift [dB]		-0.14	0.02
Power Scaling		Disabled	Disabled
Scaling Factor [dB]			
TSL Correction		No correction	No correction
M2/M1 [%]			53.7
Dist 3dB Peak [mm]			5.6



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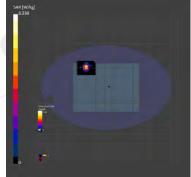
Measurement Report for Device, BOTTOM SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 143 (6665.0 MHz)_Main

Device Under Test Properties

Model, Manufacturer				Dimensions [mm]						
		296.0 x 218.0 x 5.0			Laptop					
ns										
Position, Test Distance [mm] Band G		Group, UID	oup, UID Frequency [MHz], Channel Number			Conversion Factor TSL Conduct		TSL Permittivity		
BOTTOM SURFACE, 0.00 U-NII-7 W		WLAN, 10755-AAC	WLAN, 10755-AAC 6665.0, 143 6.2			6.221		34.031		
		1								
	TSL, Measured I	Date		Probe, Calibration Date	e, Calibration Date			DAE, Calibration Date		
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-10000			,2022-Mar-19 EX3DV4 - SN7686, 2021-10-05				DAE4 Sn877, 2021-03-22			
	Position, Test Distance [mm] BOTTOM SURFACE, 0.00	Position, Test Distance [mm] Band BOTTOM SURFACE, 0.00 U-NII-7 TSL, Measured I	296.0 x 218.0 x 5.0 Position, Test Distance [mm] Band Group, UID BOTTOM SURFACE, 0.00 U-NII-7 WLAN, 10755-AAC	Band Group, UID Frequency [M] BOTTOM SURFACE, 0.00 U-NII-7 WLAN, 10755-AAC 6665.0, 143 TSL, Measured Date	296.0 x 218.0 x 5.0 Position, Test Distance [mm] Band Group, UID Frequency [MHz], Channel Number BOTTOM SURFACE, 0.00 U-NII-7 WLAN, 10755-AAC 6665.0, 143	296.0 x 218.0 x 5.0 Position, Test Distance [mm] Band Group, UID Frequency [MHz], Channel Number Conversion Factor BOTTOM SURFACE, 0.00 U-NII-7 WLAN, 10755-AAC 6665.0, 143 6.2	Description Band Group, UID Frequency [MHz], Channel Number Conversion Factor TSL Conduction BOTTOM SURFACE, 0.00 U–NII-7 WLAN, 10755–AAC 6665.0, 143 6.2 6.221	Image: Second		

Scans Setup

Scans Setup			
	Area Scan		Zoom Scan
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	-	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0		1.4
Graded Grid	Yes		Yes
Grading Ratio	1.5		1.4
MAIA	N/A		N/A
Surface Detection	VMS + 6p		VMS + 6p
Scan Method	Measured		Measured
Measurement Results		I	
		Area Scan	Zoom Scan
Date	2022-0	03-19, 13:01	2022-03-19, 13:09
psSAR1g [W/Kg]		0.587	0.632
psSAR10g [W/Kg]		0.166	0.169
psPDab (1.0cm2, sq) [W/m2]			6.32
psPDab (4.0cm2, sq) [W/m2]			4
Power Drift [dB]		-0.14	-0.13
Power Scaling		Disabled	Disabled
Scaling Factor [dB]			
TSL Correction		No correction	No correction
M2/M1 [%]			52.7
Dist 3dB Peak [mm]			6.1



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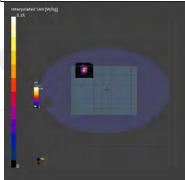


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Measurement Report for Device, BOTTOM SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Main

Device Under Test	Properties											T			
Model, Manufacturer E					imensions [mm]				IMEI DUT Type						
Device,				2	96.0 x 218.0 x 5.0				Laptop						
Exposure Conditio	ns					1			T		1				
Phantom Section, TSL	Position, Test Distance [mm]		Band	Gro	Group, UID Frequency [MHz], Channel Number Co				Convers	ion Factor	TSL Co	nductivity [S/m]	TSL Permittivity		
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-8	WLA	AN, 10755-AAC	6.14		6.593	33.65						
Hardware Setup						1									
Phantom		TSL,	Measured D	ate			Probe, Calibrat	ion Date			DA	E, Calibration Date			
ELI V5.0 (20deg probe ti	lt) - 1141	HBBI	600-1000	0,20	022-Mar-19		EX3DV4 - SN76	586, 2021-1	0-05		DA	E4 Sn877, 2021-03	-22		
Scans Setup															
				Area Scan						Zoom Scan					
Grid Extents [mm]							68.0 x 85.0					22.0 x 2	2.0 x 22.0		
Grid Steps [mm]							8.5 x 8.5					3.2 >	x 3.2 x 1.2		
Sensor Surface [mm]			_		3.0					1.4					
Graded Grid					Yes								Yes		
Grading Ratio					1.5								1.2		
MAIA					N/A								N/A		
Surface Detection					VMS + 6p								VMS + 6p		
Scan Method					Measured					Measured					
Measurement Res	ults										_				
								Area Sca	n				Zoom Scan		
Date						8	2022-03-19, 13:25								
psSAR1g [W/Kg]								0.58	5	0.632					
psSAR10g [W/Kg]								0.16	Э				0.167		
psPDab (1.0cm2, sq) [W	/m2]												6.32		
psPDab (4.0cm2, sq) [W	/m2]												3.8		
Power Drift [dB]								-0.12	2				-0.15		
Power Scaling				_	Disabled					ied Disabled					
Scaling Factor [dB]															
TSL Correction							Ν	No correctio	n	No correction					
M2/M1 [%]													51.6		
Dist 3dB Peak [mm]				1									6.1		



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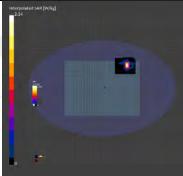
Report No. :ES/2022/20023

Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Aux Device Under Test Properties

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]					DUT Type		
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0					Laptop		
Exposure Conditio	ns						1		1		
Phantom Section, TSL	Position, Test Distance [mm] Band		Group, UID Frequency [MHz], Channel Number Conv		Convers	version Factor TSL Con		onductivity [S/m] TSL Permittivit			
Flat, HSL	BOTTOM SURFACE, 0.00 U-NII-5		WLAN, 10755-AAC 6025.0, 15 6		6.2	6.2 5.478			34.793		
Hardware Setup	X										
Phantom		TSL, Measured I	Date		Probe, Calibration Date			DAE, Calibration Date			
ELI V5.0 (20deg probe til	V5.0 (20deg probe tilt) - 1141 HBBL-600-10000 ,2022-Mar-19				EX3DV4 - SN7686, 2021-10-05			DAE4 Sn877, 2021-03-22			

Scans Setup

Scans Setup					
	Area Scar	1	Zoom Scan		
Grid Extents [mm]	68.0 × 85.0	68.0 × 85.0			
Grid Steps [mm]	8.5 x 8.5	5 3.4			
Sensor Surface [mm]	3.0)	1.4		
Graded Grid	Yes	5	Yes		
Grading Ratio	1.5	5	1.4		
MAIA	N/A	A	N/A		
Surface Detection	VMS + 6p	0	VMS + 6p		
Scan Method	Measured	Measured			
Measurement Results					
		Area Scan	Zoom Scan		
Date	2022	-03-19, 13:47	2022-03-19, 13:54		
psSAR1g [W/Kg]		0.505	0.563		
psSAR10g [W/Kg]		0.140	0.147		
psPDab (1.0cm2, sq) [W/m2]			5.63		
psPDab (4.0cm2, sq) [W/m2]			3.47		
Power Drift [dB]		0.06	0.02		
Power Scaling		Disabled	Disabled		
Scaling Factor [dB]					
TSL Correction		No correction	No correction		
M2/M1 [%]			56.0		
Dist 3dB Peak [mm]			6.1		



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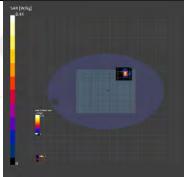
Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 79 (6345.0 MHz)_Aux

Device Under Test Properties

Model, Manufacturer			Dimensions [mm]	Dimensions [mm]			IMEI		DUT Type		
Device,			296.0 x 218.0 x 5.0	296.0 x 218.0 x 5.0					Laptop		
Exposure Conditio	ons								1		
Phantom Section, TSL	Position, Test Distance [mm] Band		Group, UID Frequency [MHz], Channel Numb		IHz], Channel Number	Conversion Factor		TSL Conductivity [S/m]		TSL Permittivity	
Flat, HSL	BOTTOM SURFACE, 0.00 U-NII-5		WLAN, 10755-AAC 6345.0, 79		6.2 5		5.852		34.402		
Hardware Setup											
Phantom		TSL, Measured	Date		Probe, Calibration Date			DAE, Calibration Date			
ELI V5.0 (20deg probe ti	lt) - 1141	HBBL-600-10000 ,2022-Mar-19			EX3DV4 - SN7686, 2021-10-05			DAE4 Sn877, 2021-03-22			

Scans Setup

	Area Sca	an	Zoom Scan
Grid Extents [mm]	68.0 × 85.	.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 × 8.	.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.	.0	1.4
Graded Grid	Ye	es	Yes
Grading Ratio	1.	.5	1.4
MAIA	N/	A	N/A
Surface Detection	VMS + 6	õp	VMS + 6p
Scan Method	Measure	ed	Measured
Measurement Results	÷		
		Area Scan	Zoom Scan
Date	202	2-03-19, 14:08	2022-03-19, 14:15
psSAR1g [W/Kg]		0.467	0.515
psSAR10g [W/Kg]		0.131	0.135
psPDab (1.0cm2, sq) [W/m2]			5.15
psPDab (4.0cm2, sq) [W/m2]			3.18
Power Drift [dB]		-0.08	-0.12
Power Scaling		Disabled	Disabled
Scaling Factor [dB]			
TSL Correction		No correction	No correction
M2/M1 [%]			54.1
Dist 3dB Peak [mm]			6.1



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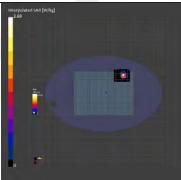
Report No. :ES/2022/20023

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Measurement Report for Device, BOTTOM SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Aux Device Under Test Properties

Device Under Test	Toperaes									
Model, Manufacturer			Dimensions [mm]				IMEI		DUT Type	
Device,			296.0 x 218.0 x 5.0	96.0 x 218.0 x 5.0 Laptop						
Exposure Conditio	ons	I							I	
Phantom Section, TSL	Position, Test Distance [mm] Band		Group, UID Frequency [MHz], Channel Number Conver-		Conversion	on Factor TSL Cor		nductivity [S/m] TSL Permittivity		
Flat, HSL	BOTTOM SURFACE, 0.00 U-NII-6		WLAN, 10755-AAC 6505.0, 111			6.2 6.		6.041		34.204
Hardware Setup								(
Phantom		TSL, Measured I	Date		Probe, Calibration Date			DAE, Calibration Date		
ELI V5.0 (20deg probe ti	5.0 (20deg probe tilt) - 1141 HBBL-600-10000 ,2022-Mar-19				EX3DV4 - SN7686, 2021-1	0-05		DAE	4 Sn877, 2021-03	-22
					1					

Scans Setup					
	Area Scar	1	Zoom Scan		
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0		
Grid Steps [mm]	8.5 x 8.5	-	3.4 x 3.4 x 1.4		
Sensor Surface [mm]	3.0		1.4		
Graded Grid	Yes	;	Yes		
Grading Ratio	1.5		1.4		
MAIA	N/A		N/A		
Surface Detection	VMS + 6p	VMS + 6p			
Scan Method	Measured	Measured			
Measurement Results		1			
		Area Scan	Zoom Scan		
Date	2022	-03-19, 14:39	2022-03-19, 14:47		
psSAR1g [W/Kg]		0.488	0.543		
psSAR10g [W/Kg]		0.137	0.142		
psPDab (1.0cm2, sq) [W/m2]			5.43		
psPDab (4.0cm2, sq) [W/m2]			3.34		
Power Drift [dB]		0.01	-0.14		
Power Scaling		Disabled	Disabled		
Scaling Factor [dB]					
TSL Correction		No correction	No correction		
M2/M1 [%]			52.8		
Dist 3dB Peak [mm]			6.2		



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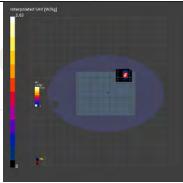


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Measurement Report for Device, BOTTOM SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 175 (6825.0 MHz)_Aux

Device Under Test	Properties													
Model, Manufacturer Dimensions					mensions [mm]	nsions [mm] IME						DUT Type		
Device, 296.0 × 2					6.0 x 218.0 x 5.0	5.0 × 218.0 × 5.0						Laptop	1	
Exposure Conditio	ons													
Phantom Section, TSL	Position, Test Distance [mm]		Band	Group, UID Frequency			[MHz], Channel Nu	mber	Conversi	on Factor	TSL Co	nductivity [S/m]	TSL Permittivity	
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-7	WLAP	N, 10755-AAC	6825.0, 17	5		6.2		6.407		33.851	
Hardware Setup														
Phantom		TSL	, Measured D	ate			Probe, Calibrat	ion Date			DA	E, Calibration Date		
ELI V5.0 (20deg probe ti	lt) - 1141	HBB	L-600-1000	0 ,202	22-Mar-19		EX3DV4 - SN7	686, 2021-1	0-05		DA	E4 Sn877, 2021-03	-22	
Scans Setup								r				/ /		
	Area Scan							2	Zoom Scan					
Grid Extents [mm]							68.0 x 85.0					22.0 x 2	2.0 x 22.0	
Grid Steps [mm]							8.5 x 8.5					3.4 >	x 3.4 x 1.4	
Sensor Surface [mm]				~	3.0				1.4					
Graded Crid							Yes						Yes	
Grading Ratio					1.5								1.4	
маја							N/A						N/A	
Surface Detection				1	VMS + 6p								VMS + 6p	
Scan Method			Measured							Measured				
Measurement Resu	ults													
								Area Sca	n				Zoom Scan	
Date					2022-03-19, 15:07					15:07 2022-03-19, 15:14				
psSAR1g [W/Kg]					0.514					14 0.558				
psSAR1 0g [W/Kg]					0.145					0.146				
psPDab (1.0cm2, sq) [W/m2]												5.58		
psPDab (4.0cm2, sq) [W/m2]												3.43		
Power Drift [dB]				-0.11				1				-0.08		
Power Scaling					Disabled			Disabled			Disabled			
Scaling Factor [dB]														
TSL Correction							No correction No			No	correction			
M2/M1 [%]													51.1	
Dist 3dB Peak [mm]				~									5.8	



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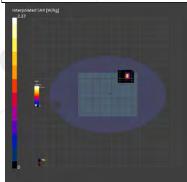


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Report No. :ES/2022/20023

Measurement Report for Device, BOTTOM SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Aux

Device Under Test	Properties												
Model, Manufacturer Dimensions [mm]									IMEI		DUT Type		
Device,	vice, 296.0 × 218.0 × 5.0											Laptop	1
Exposure Conditio	ns								1		1		
Phantom Section, TSL	Position, Test Distance [mm]		Band	Grou	up, UID	Frequency [M	MHz], Channel Nu	mber	Convers	ion Factor	TSL Co	nductivity [S/m]	TSL Permittivity
Flat, HSL	BOTTOM SURFACE, 0.00		U-NII-8	WLA	AN, 10755-AAC	6985.0, 207			6.14		6.593		33.65
Hardware Setup							T						
Phantom		TSL,	Measured D	Date			Probe, Calibrat	ion Date			DA	E, Calibration Date	
ELI V5.0 (20deg probe ti	lt) - 1141	HBB	L-600-1000	20, 00)22-Mar-19		EX3DV4 - SN76	586, 2021-1	0-05		DA	E4 Sn877, 2021-03-	-22
Scans Setup					1			1					
	Area Scan							Z	loom Scan				
Grid Extents [mm]							68.0 x 85.0					22.0 x 22	2.0 x 22.0
Grid Steps [mm]					8.5 x 8.5							3.4 x	3.4 x 1.4
Sensor Surface [mm]					3.0			1.4					
Graded Grid					Yes								Yes
Grading Ratio				1.5								1.4	
MAIA				N/A								N/A	
Surface Detection					VMS + 6p								VMS + 6p
Scan Method					Measured						Measured		
Measurement Resu	ults												
								Area Sca	n			Z	oom Scan
Date					2022-03-19, 15:32				2022-03-19, 15:40				
psSAR1g [W/Kg]				0.504					0.539				
psSAR1 0g [W/Kg]				0.144					0.152				
psPDab (1.0cm2, sq) [W/m2]									5.39				
psPDab (4.0cm2, sq) [W/m2]												2.66	
Power Drift [dB]					0.08				-0.11				
Power Scaling							Disable	t l				Disabled	
Scaling Factor [dB]													
TSL Correction							1	No correction	n		No correction		
M2/M1 [%]													50.6
Dist 3dB Peak [mm]													5.8



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Date: 2022/4/9

Report No. :ES/2022/20023

WLAN 802.11b Body Back Surface CH 6 0mm Main

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

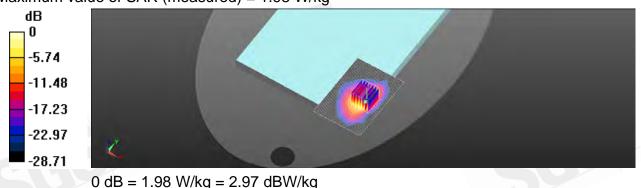
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- 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) = 2.19 W/kg

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

Reference Value = 2.256 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 3.08 W/kg SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.468 W/kgSmallest distance from peaks to all points 3 dB below = 6.7 mm Ratio of SAR at M2 to SAR at M1 = 39.6% Maximum value of SAR (measured) = 1.98 W/kg



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Date: 2022/3/17

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WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Main Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

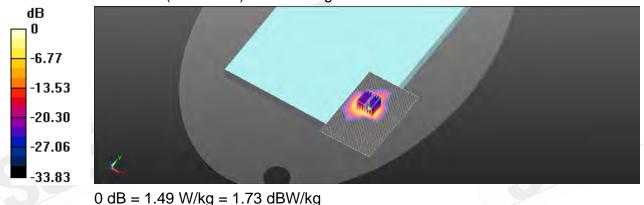
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.59 W/kg

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

Reference Value = 3.125 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 3.17 W/kg **SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.222 W/kg** Smallest distance from peaks to all points 3 dB below = 6.6 mm Ratio of SAR at M2 to SAR at M1 = 55.4% Maximum value of SAR (measured) = 1.49 W/kg



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Date: 2022/3/17

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WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Main Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

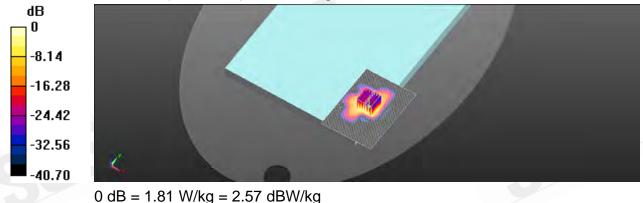
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.92 W/kg

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

Reference Value = 3.254 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 3.71 W/kg **SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.250 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 54.4% Maximum value of SAR (measured) = 1.81 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.6G_Body_Back Surface_CH 114_0mm_Main Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

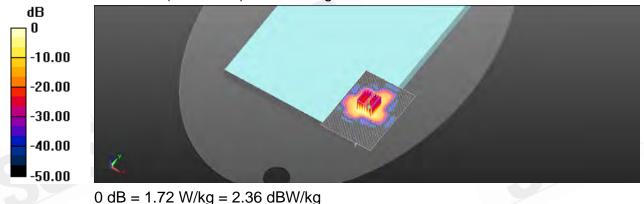
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.72 W/kg

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

Reference Value = 3.254 V/m; Power Drift = 0.04 dB Peak SAR (extrapolated) = 3.72 W/kg **SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.216 W/kg** Smallest distance from peaks to all points 3 dB below = 6.8 mm Ratio of SAR at M2 to SAR at M1 = 51.2% Maximum value of SAR (measured) = 1.72 W/kg



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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.8G_Body_Back Surface_CH 155_0mm_Main Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

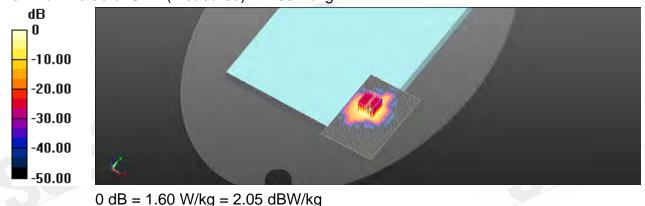
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.46 W/kg

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

Reference Value = 62.36 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 3.66 W/kg **SAR(1 g) = 0.738 W/kg; SAR(10 g) = 0.196 W/kg** Smallest distance from peaks to all points 3 dB below = 6.4 mm Ratio of SAR at M2 to SAR at M1 = 50% Maximum value of SAR (measured) = 1.60 W/kg



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Date: 2022/4/9

Report No. :ES/2022/20023

WLAN 802.11b_Body_Back Surface_CH 6_0mm_Aux

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.01 Medium parameters used: f = 2437 MHz; σ = 1.771 S/m; ϵ_r = 38.752; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

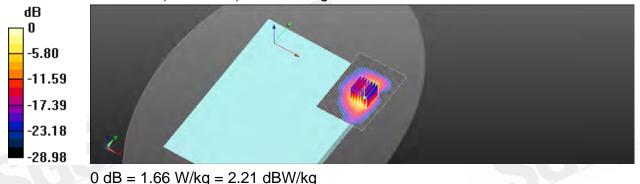
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- 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) = 1.53 W/kg

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

Reference Value = 1.235V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 2.39 W/kg **SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.383 W/kg** Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 42.2% Maximum value of SAR (measured) = 1.66 W/kg



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Date: 2022/3/16

Report No. :ES/2022/20023

Bluetooth(GFSK)_Body_Back Surface_CH 78_0mm_Aux

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.295 Medium parameters used: f = 2480 MHz; σ = 1.813 S/m; ϵ_r = 38.68; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

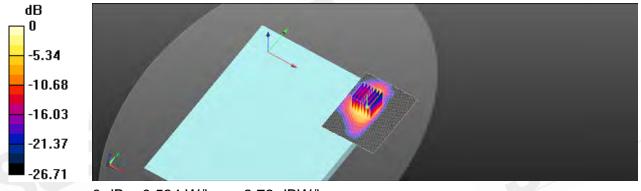
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- 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) = 0.550 W/kg

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

Reference Value = 11.33 V/m; Power Drift = 0.04 dB Peak SAR (extrapolated) = 0.761 W/kg SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.129 W/kg Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 44.6% Maximum value of SAR (measured) = 0.534 W/kg



0 dB = 0.534 W/kg = -2.72 dBW/kg

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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Aux Communication System: WLAN; Frequency: 5250 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

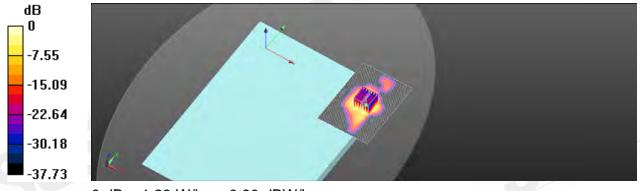
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.29 W/kg

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

Reference Value = 3.254 V/m; Power Drift = 0.13 dB Peak SAR (extrapolated) = 2.40 W/kg **SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.193 W/kg** Smallest distance from peaks to all points 3 dB below = 6.6 mm Ratio of SAR at M2 to SAR at M1 = 54.7% Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

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Date: 2022/3/17

Report No. :ES/2022/20023

WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Aux Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5290 MHz; σ = 4.715 S/m; ϵ_r = 35.531; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

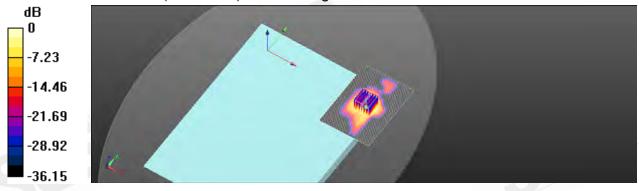
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.39 W/kg

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

Reference Value = 62.35 V/m; Power Drift = 0.07 dB Peak SAR (extrapolated) = 2.61 W/kg **SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.204 W/kg** Smallest distance from peaks to all points 3 dB below = 6.6 mm Ratio of SAR at M2 to SAR at M1 = 55.4% Maximum value of SAR (measured) = 1.34 W/kg



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

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Date: 2022/3/18

Report No. :ES/2022/20023

WLAN 802.11ac(160M) 5.6G Body Back Surface CH 114 0mm Aux Communication System: WLAN; Frequency: 5570 MHz; Duty Cycle: 1:1.018 Medium parameters used: f = 5570 MHz; σ = 4.996 S/m; ϵ_r = 35.221; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

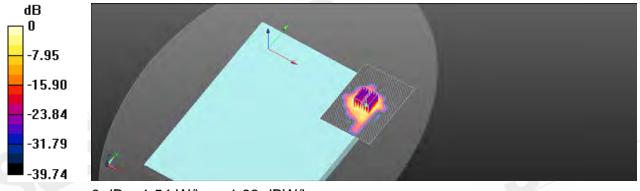
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.60 W/kg

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

Reference Value = 4.254 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 3.19 W/kg SAR(1 g) = 0.742 W/kg; SAR(10 g) = 0.213 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 52.4% Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg = 1.88 dBW/kg

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Report No. :ES/2022/20023

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

Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.078 Medium parameters used: f = 5775 MHz; σ = 5.206 S/m; ϵ_r = 34.958; ρ = 1000 kg/m³ Phantom section: Flat Section

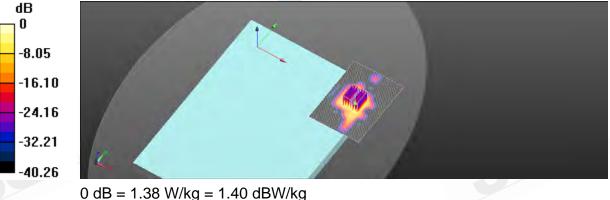
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.42 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 2.545V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 3.00 W/kg SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.182 W/kg Smallest distance from peaks to all points 3 dB below = 6.8 mm Ratio of SAR at M2 to SAR at M1 = 50.4% Maximum value of SAR (measured) = 1.38 W/kg



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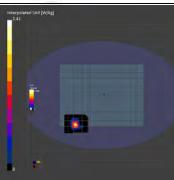


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Measurement Report for Device, BACK SURFACE, U-N Device Under Test Properties	surement Report for Device, BACK SURFACE, U–NII–5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Main ice Under Test Properties										
Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type								
Device	206.0 × 218.0 × 11.0		Tablet								

					Model, Manufacturer
18.0 × 11.0 Tablet		0 x 218.0 x 11.0	-		Device,
			1 2	ons	Exposure Conditio
D Frequency [MHz], Channel Number Conversion Factor TSL Conductivity [S/m] TSL Per	cy [MHz], Channel Nu	p, UID Freque	Band	Position, Test Distance [mm]	Phantom Section, TSL
55-AAC 6185.0,47 6.2 5.665 34.599	47	N,10755-AAC 6185.0	U-NII-5	BACK SURFACE, 0.00	Flat, HSL
					Hardware Setup
Probe, Calibration Date DAE, Calibration Date	Probe, Calibrati		., Measured I	TS	Phantom
ar-19 EX3DV4 - SN7686, 2021-10-05 DAE4 Sn877, 2021-03-22	EX3DV4 - SN76	122-Mar-19	BL-600-100	ilt) – 1141 Hľ	ELI V5.0 (20deg probe ti
					Scans Setup
Area Scan Zoom Scan	Area Scan				
68.0 x 85.0 22.0 x 22.0 x 22.0	68.0 x 85.0				Grid Extents [mm]
8.5 x 8.5 3.4 x 3.4 x 1.4	8.5 x 8.5				Grid Steps [mm]
3.0 1.4	3.0				Sensor Surface [mm]
Yes Yes	Yes				Graded Grid
1.5 1.4	1.5				Grading Ratio
N/A N/A	N/A				MAIA
VMS + 6p VMS + 6p	VMS + 6p				Surface Detection
Measured	Measured				Scan Method
				ults	Measurement Res
Area Scan Zoom Scan	Area Sc				
2022-03-19, 01:13 2022-03-19, 01:29	2022-03-19, 01:				Date
0.498 0.537	0.4				psSAR1g [W/Kg]
0.153 0.156	0.1				psSAR10g [W/Kg]
5.37				/m2]	psPDab (1.0cm2, sq) [W/
3.66				/m2]	psPDab (4.0cm2, sq) [W/
0.04 0.03	0.0				Power Drift [dB]
Disabled Disabled	Disabl				Power Scaling
					Scaling Factor [dB]
No correction No correction	No correcti				TSL Correction
55.7	-				M2/M1 [%]
6.7					Dist 3dB Peak [mm]



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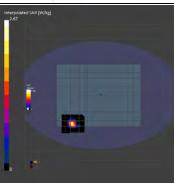


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Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 79 (6345.0 MHz)_Main	
Device Under Test Properties	

	DUT Type		IMEI					mensions [mm]				lodel, Manufacturer
1	Tablet)	6.0 x 218.0 x 11.				evice,
$ \rightarrow $			I								ons	xposure Conditio
mittivit	ductivity [S/m] T	TSL Con	on Factor	Conversio	Number	y [MHz], Channel N	Frequence	oup, UID	Band	m]	Position, Test Distance [mn	hantom Section, TSL
	3	5.852		6.2		'9	6345.0,7	AN,10755-AAC	U-NII-5		BACK SURFACE, 0.00	at, HSL
												lardware Setup
	Calibration Date	DAE			ation Date	Probe, Calibra			Measured [TSL,		hantom
	\$ \$n877, 2021-03-22	DAE		-10-05	7686, 2021	EX3DV4 - SN		2022-Mar-19	L-600-1000	HBBI	ilt) - 1141	LI V5.0 (20deg probe til
					T							cans Setup
I	Zoom Scar					Area Scan						
1	22.0 x 22.0 x					68.0 x 85.0						rid Extents [mm]
I	3.4 x 3.4					8.5 x 8.5						rid Steps [mm]
I						3.0						ensor Surface [mm]
I.						Yes						raded Grid
i i						1.5						rading Ratio
						N/A						AIA
Δ	VMS					VMS + 6p			_			urface Detection
	Meas					Measured						can Method
											ults	leasurement Resu
\sim	Zoom			n	Area Scar							
	2022-03-19, 0			D	03-19, 01:40	2022-0						ate
	C			D	0.530							sSAR1g [W/Kg]
I	C			1	0.161							sSAR10g [W/Kg]
I											//m2]	sPDab (1.0cm2, sq) [W/
I											//m2]	sPDab (4.0cm2, sq) [W/
I	0.18			5	0.15							ower Drift [dB]
I	Disabled			н	Disabled							ower Scaling
I												caling Factor [dB]
I	No corre			n	No correction	N						SL Correction
I												2/M1 [%]
												ist 3dB Peak [mm]



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Model, Manufacturer			Dimensions [mm]	IMEI		DUT Type						
Device,			~	296.0 x 218.0 x 11.0	0						Tablet	1
Exposure Condition	ons											
Phantom Section, TSL	Position, Test Distance [m	im] Ba	and	Group, UID	Frequency [MHz]	, Channel Nui	mber	Conversion Fa	actor	TSL Con	ductivity [S/m]	TSL Permittivit
Flat, HSL	BACK SURFACE, 0.00	U-	-NII-6	WLAN, 10755-AAC	6505.0, 111			6.2		6.041		34.204
Hardware Setup												
Phantom	V	TSL, Me	easured [Date	Pro	be, Calibratio	on Date			DAE,	Calibration Date	
ELI V5.0 (20deg probe t	ilt) - 1141	HBBL-6	500-1000	00 ,2022-Mar-19	EX	3DV4 - SN768	86, 2021-	-10-05		DAE4	Sn877, 2021-03	3-22
Scans Setup	cans Setup									-		
						Area Scan						om Scan
Grid Extents [mm]					68	.0 x 85.0					22.0 x 22.	0 x 22.0
Grid Steps [mm]						8.5 x 8.5					3.4 x 3	3.4 x 1.4
Sensor Surface [mm]						3.0						1.4
Graded Grid						Yes						Yes
Grading Ratio						1.5						1.4
MAIA						N/A			N/			N/A
Surface Detection						VMS + 6p					v	MS + 6p
Scan Method						Measured					N	leasured
Measurement Res	ults									1		
							Area Scan	1			Zo	om Scan
Date						2022-03-	19, 02:02	2			2022-03-1	9, 02:22
psSAR1g [W/Kg]							0.564	1		1		0.594
psSAR10g [W/Kg]							0.169	9				0.171
osPDab (1.0cm2, sq) [W	//m2]											5.94
psPDab (4.0cm2, sq) [W	/m2]											3.99
Power Drift [dB]							0.12	2				-0.13
Power Scaling							Disabled	ł			1	Disabled
Scaling Factor [dB]												
TSL Correction						No o	correction	n No correction				prrection
M2/M1 [%]												53.7
Dist 3dB Peak [mm]			~						6.8			

Measurement Report for Device, BACK SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Main

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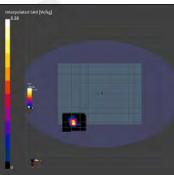
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Measurement Report for Device, BACK SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 143 (6665.0 MHz)_Main **Device Under Test Properties**

Device officer rest	c noperaes								
Model, Manufacturer		Dimensions [mm]	Dimensions [mm]					DUT Type	
Device,	ice,			296.0 x 218.0 x 11.0					1
Exposure Condition	ons						1		
Phantom Section, TSL	Position, Test Distance [mm] Band	Group, UID	Frequency [MHz]], Channel Number	Conversion Factor	TSL Conduc	tivity [S/m]	TSL Permittivity
Flat, HSL	BACK SURFACE, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143		6.2	6.221		34.031
Hardware Setup									
Phantom		TSL, Measured	d Date	Pro	obe, Calibration Da	DAE, Calibration Date			
ELI V5.0 (20deg probe t	ilt) - 1141	HBBL-600-10	000 ,2022-Mar-19	EX	3DV4 - SN7686, 20	021-10-05	DAE4 Sr	877, 2021-0	3-22
Scans Setup							/		
					Area Scan			Z	oom Scan
Grid Extents [mm]				6	8.0 x 85.0			22.0 x 22	.0 x 22.0
Grid Steps [mm]					8.5 x 8.5			3.4 x	3.4 x 1.4

Grid Steps [mm]	8.5 × 8.5	÷-	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0)	1.4
Graded Grid	Yes		Yes
Grading Ratio	1.5	;	1.4
MAIA	N/A		N/A
Surface Detection	VMS + 6p		VMS + 6p
Scan Method	Measured	I	Measured
Measurement Results			
		Area Scan	Zoom Scan
Date	2022-	03-19, 02:29	2022-03-19, 02:38
psSAR1g [W/Kg]		0.678	0.723
psSAR10g [W/Kg]		0.207	0.210
psPDab (1.0cm2, sq) [W/m2]			7.23
psPDab (4.0cm2, sq) [W/m2]			4.9
Power Drift [dB]		0.03	0.14
Power Scaling		Disabled	Disabled
Scaling Factor [dB]			
TSL Correction		No correction	No correction
M2/M1 [%]			53.3
Dist 3dB Peak [mm]			6.8



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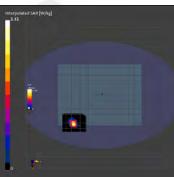
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Measurement Report for Device, BACK SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Main **Device Under Test Properties**

Model, Manufacturer			Dimensions [mm]				IMEI		DUT Type		
Device,	evice,			296.0 x 218.0 x 11.0					Tablet		
Exposure Condition	ons										
Phantom Section, TSL	Position, Test Distance [mm] Band	Group, UID	Frequency [l	MHz], Channel Number	Conversi	on Factor	TSL Co	nductivity [S/m]	TSL Permittivity	
Flat, HSL	Flat, HSL BACK SURFACE, 0.00		WLAN, 10755-AAC	6985.0, 207	6985.0, 207 6			6.593		33.65	
Hardware Setup								- (
Phantom		TSL, Measure	d Date		Probe, Calibration Date			DAE, Calibration Date			
ELI V5.0 (20deg probe tilt) – 1141 HBBL-600-1			0000 ,2022-Mar-19	EX3DV4 - SN7686, 2021	3DV4 - SN7686, 2021-10-05			DAE4 Sn877, 2021-03-22			
									/		
Scans Setup											

Scans Setup			
	Area Scan		Zoom Scan
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5		3.2 x 3.2 x 1.2
Sensor Surface [mm]	3.0		1.4
Graded Grid	Yes		Yes
Grading Ratio	1.5		1.2
MAIA	N/A		N/A
Surface Detection	VMS + 6p		VMS + 6p
Scan Method	Measured		Measured
Measurement Results	· · · · · · · · · · · · · · · · · · ·		
		Area Scan	Zoom Scan
Date	2022-03	3-19, 02:56	2022-03-19, 03:07
psSAR1g [W/Kg]		0.616	0.626
psSAR10g [W/Kg]		0.186	0.184
psPDab (1.0cm2, sq) [W/m2]			6.26
psPDab (4.0cm2, sq) [W/m2]			4.3
Power Drift [dB]		0.07	0.04
Power Scaling		Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	Ne	o correction	No correction
M2/M1 [%]			51.9
Dist 3dB Peak [mm]			6.9



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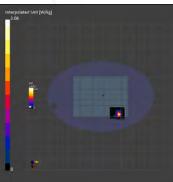


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Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Aux	
Device Under Test Properties	

Model, Manufacturer			Dimensions [mm]					IMEI		DUT Type			
Device,			296.0 x 218.0 x 11.0	0						Tablet		1	
Exposure Condition	ons									1			
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [M	IHz], Channel Ni	umber	Conversio	n Factor	TSL Co	nductivity [S/m]	TSL Permit	tivity	
Flat, HSL	BACK SURFACE, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15			6.2		5.478		34.793		
Hardware Setup		1		1			I						
Phantom		TSL, Measured	Date		Probe, Calibrat	ion Date			DAE	, Calibration Date			
ELI V5.0 (20deg probe t	ilt) - 1141	HBBL-600-100	00 ,2022-Mar-19		EX3DV4 - SN76	586, 2021-	-10-05		DAE4 Sn877, 2021-03-22				
Scans Setup			1										
					Area Scan			Zoom Scan					
Grid Extents [mm]					68.0 x 85.0					22.0 x 22.	0 x 22.0		
Grid Steps [mm]					8.5 x 8.5					3.4 x 1.4			
Sensor Surface [mm]					3.0					1.4			
Graded Grid					Yes					Yes			
Grading Ratio					1.5						1.4		
MAIA					N/A						N/A		
Surface Detection		1			VMS + 6p					v	'MS + 6p		
Scan Method					Measured					Ν	Aeasured		
Measurement Res	ults								1				
						Area Scan	1			Zo	om Scan		
Date					2022-03	-19, 03:26	5			2022-03-1	9, 03:33		
psSAR1g [W/Kg]						0.454	ŀ				0.485		
psSAR10g [W/Kg]						0.135					0.144		
psPDab (1.0cm2, sq) [W	//m2]			1							4.85		
psPDab (4.0cm2, sq) [W	//m2]										3.34		
Power Drift [dB]						0.11		-0.18			-0.18		
Power Scaling						Disabled	1	Disabled			Disabled		
Scaling Factor [dB]													
TSL Correction					No	correction	1			No co	orrection		
M2/M1 [%]											57.6		
Dist 3dB Peak [mm]											7.5		



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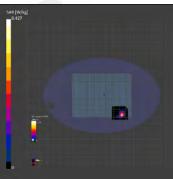
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Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 79 (6345.0 MHz)_Aux **Device Under Test Properties**

200000000000000000000000000000000000000									
Model, Manufacturer			Dimensions [mm]	mensions [mm]			MEI	DUT Type	
Device,	vice,			296.0 x 218.0 x 11.0				Tablet	1
Exposure Condition	ons					I		I.	
Phantom Section, TSL	Position, Test Distance [mm]	Group, UID Frequency [MHz], Channel Number Conversion F		Factor T	SL Conductivity [S/m]	TSL Permittivity			
Flat, HSL	BACK SURFACE, 0.00	U-NII-5	WLAN, 10755-AAC	6345.0, 79		6.2	5	.852	34.402
Hardware Setup			1						
Phantom		TSL, Measured	Date	Date		Probe, Calibration Date		DAE, Calibration Date	
ELI V5.0 (20deg probe tilt) - 1141 HBBL-600-10			000 ,2022-Mar-19		EX3DV4 - SN7686, 2021	-10-05		DAE4 Sn877, 2021-0	3-22
	1								
Scans Setun									

Scans Setup			
	Area Scan		Zoom Scan
Grid Extents [mm]	68.0 × 85.0		22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 × 8.5		3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0		1.4
Graded Grid	Yes		Yes
Grading Ratio	1.5		1.4
MAIA	N/A		N/A
Surface Detection	VMS + 6p		VMS + 6p
Scan Method	Measured		Measured
Measurement Results			
		Area Scan	Zoom Scan
Date	2022-0	3-19, 03:49	2022-03-19, 03:58
psSAR1g [W/Kg]		0.452	0.466
psSAR10g [W/Kg]		0.135	0.137
psPDab (1.0cm2, sq) [W/m2]			4.66
psPDab (4.0cm2, sq) [W/m2]			3.17
Power Drift [dB]		0.05	-0.13
Power Scaling		Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	N	o correction	No correction
M2/M1 [%]			54.8
Dist 3dB Peak [mm]			7.1



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Model, Manufacturer			Dimensions [mm]				IMEI		DUT Type				
Device,			296.0 x 218.0 x 11.0						Tablet				
Exposure Condition	ons		25010 x 21010 x 1110						Tablet				
Phantom Section, TSL	Position, Test Distance [mm	1] Band	Group, UID	Frequency [MHz],	Channel Number	Conversion	Factor	TSL Co	nductivity [S/m]	TSL Permittiv			
Flat, HSL	BACK SURFACE, 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111		6.2		6.041		34.204			
Hardware Setup								-					
Phantom		TSL, Measured	d Date	Prol	be, Calibration Date			DAI	, Calibration Date				
ELI V5.0 (20deg probe t	ilt) - 1141	HBBL-600-10	000 ,2022-Mar-19	EX3	DV4 - SN7686, 202	1-10-05		DA	4 Sn877, 2021-0	3-22			
Scans Setup													
				Δ	rea Scan				Zc	oom Scan			
Grid Extents [mm]				68.	0 x 85.0				22.0 x 22.	.0 x 22.0			
Grid Steps [mm]					8.5 x 8.5		3.4 x 3.4 x 1.4						
Sensor Surface [mm]					3.0		1.4						
Graded Grid					Yes					Yes			
Grading Ratio					1.5					1.4			
MAIA					N/A					N/A			
Surface Detection				VMS + 6p					٧	MS + 6p			
Scan Method				Ν	leasured				Ν	Measured			
Measurement Res	ults												
					Area So	an	Zoom Scan						
Date					2022-03-19, 04	11	2022-03-19, 04:28						
psSAR1g [W/Kg]					0.4	39	0.447						
psSAR10g [W/Kg]					0.1	29	0.127						
psPDab (1.0cm2, sq) [W	//m2]						4.47						
psPDab (4.0cm2, sq) [W	//m2]									2.95			
Power Drift [dB]				-0.12					0.03				
Power Scaling				Disabled					Disabled				
Scaling Factor [dB]													
TSL Correction				No correction					No correction				
M2/M1 [%]										54.6			
Dist 3dB Peak [mm]										6.9			

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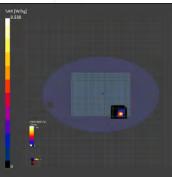


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Report No. : FS/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 175 (6825.0 MHz)_Aux
Device Under Test Properties

Model, Manufacturer			Dimensions [mm]					IMEI DUT Type						
Device,			296.0 x 218.0 x 11				Tablet							
Exposure Conditi	ons													
Phantom Section, TSL	Position, Test Distance [mm]] Band	Group, UID	Frequency [M	Hz], Channel Ni	umber	Conversio	n Factor	TSL Co	nductivity [S/m]	TSL Permittiv			
Flat, HSL	BACK SURFACE, 0.00	U-NII-7	WLAN, 10755-AAC	6825.0, 175			6.2		6.407		33.851			
Hardware Setup									(
Phantom		TSL, Measured	Date		Probe, Calibrat	ion Date			DAE	, Calibration Date				
ELI V5.0 (20deg probe	tilt) - 1141	HBBL-600-100	000 ,2022-Mar-19		EX3DV4 - SN76	686, 2021-	-10-05		DAE	4 Sn877, 2021-03	3-22			
Scans Setup			1											
					Area Scan					Zo	om Scan			
Grid Extents [mm]					68.0 x 85.0					22.0 x 22.	0 x 22.0			
Grid Steps [mm]					8.5 x 8.5					3.4 x 3	3.4 x 1.4			
Sensor Surface [mm]					3.0			1.4						
Graded Grid				Yes						Yes				
Grading Ratio				1.5							1.4			
MAIA					N/A						N/A			
Surface Detection				VMS + 6p						v	MS + 6p			
Scan Method					Measured					Ν	leasured			
Measurement Res	sults				1									
						Area Scan	1			Zo	om Scan			
Date	1				2022-03	-19, 04:34	ŀ			2022-03-1	9, 04:42			
psSAR1g [W/Kg]				0.521						0.555				
psSAR10g [W/Kg]						0.189)	0.194						
psPDab (1.0cm2, sq) [W	V/m2]										5.55			
psPDab (4.0cm2, sq) [W	V/m2]										4.49			
Power Drift [dB]				0.13							-0.14			
Power Scaling						Disabled	1	Disabled						
Scaling Factor [dB]														
TSL Correction					No	correction	1	No correction						
M2/M1 [%]											53.0			
Dist 3dB Peak [mm]											6.8			



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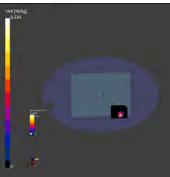


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Report No. :ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-8, IEEE 802.11 ax (160MHz), Channel 207 (6985.0 MH	lz)_Aux
Device Linder Test Properties	

Model, Manufacturer			Dimensions [mm	1]				IMEI DUT Type				
Device,			296.0 x 218.0 x	11.0					Tablet			
Exposure Condition	ons											
Phantom Section, TSL	Position, Test Distance [mn	n] Band	Group, UID	Frequency	[MHz], Channel N	lumber	Conversio	on Factor TSL Conductivity [S/m] TSL			TSL Permittiv	
Flat, HSL	BACK SURFACE, 0.00	U-NII-8	WLAN, 10755-AA	AC 6985.0, 20)7		6.14		6.593	6.593 33.65		
Hardware Setup									- (
Phantom		TSL, Measured	Date		Probe, Calibra	tion Date			DAE	, Calibration Date		
ELI V5.0 (20deg probe t	tilt) - 1141	HBBL-600-10	000 ,2022-Mar-19		EX3DV4 - SN7	686, 2021-	10-05		DAE	4 Sn877, 2021-0	3-22	
Scans Setup										/		
					Area Scan					Zo	oom Scan	
Grid Extents [mm]					68.0 x 85.0					22.0 x 22	.0 x 22.0	
Grid Steps [mm]					8.5 x 8.5					3.4 x	3.4 x 1.4	
Sensor Surface [mm]					3.0			1.4				
Graded Grid					Yes			Yes				
Grading Ratio				1.5							1.4	
MAIA				N/A							N/A	
Surface Detection		-		VMS + 6p						١	VMS + 6p	
Scan Method					Measured						Measured	
Measurement Res	ults											
						Area Scan				Zo	oom Scan	
Date					2022-03	3-19, 04:52				2022-03-1	19, 05:09	
psSAR1g [W/Kg]						0.499		0.514				
psSAR10g [W/Kg]						0.178		0.173				
psPDab (1.0cm2, sq) [W	//m2]			1							5.14	
psPDab (4.0cm2, sq) [W	//m2]										4.03	
Power Drift [dB]						0.11					-0.01	
Power Scaling						Disabled	ed Disabled					
Scaling Factor [dB]												
TSL Correction					No	o correction	n No correction					
M2/M1 [%]											52.4	
Dist 3dB Peak [mm]			/								6.8	



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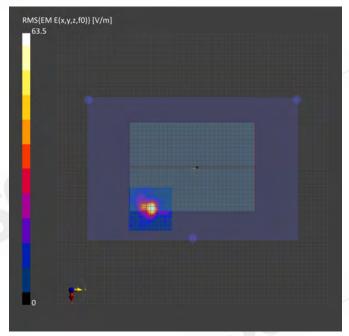


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Report No. : ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Main

Device Under Test P	roperties								
Model, Manufacturer	r			Dimension	s [mm]		DUT Type		
Device				296.0 x 21	1.0 x 15.0	5.0			
Exposure Conditions									
Phantom Section	Posit	ion, Test Distar	nce [mm]	Band	Group, UID	Frequency [MHz], Cha	nnel Number	Conversion Factor	
5G Air	BACK	SURFACE, 2.00	0	U-NII-5	WLAN, 10755-AAC	6025.0, 15		1.0	
Hardware Setup						i.			
Phantom		Medium	Probe, Calibra	ation Date			DAE, Calibra	tion Date	
mmWave - 1076		Air -	EUmmWV3 –	SN9399_F1-78	3GHz, 2022-01-26		DAE4 Sn166	5, 2022-02-28	
Scans Setup								/	
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 120.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]						/		2.0	
MAIA								N/A	
Measurement Result	s								
Scan Type								5G Scan	
Date								2022-03-22, 02:39	
Avg. Area [cm²]								4.00	
psPDn+ [W/m²]								3.36	
psPDtot+ [W/m ²]								4.46	
psPDmod+ [W/m ²]	4							5.34	
E _{max} [V/m]								63.5	
Power Drift [dB]								0.05	



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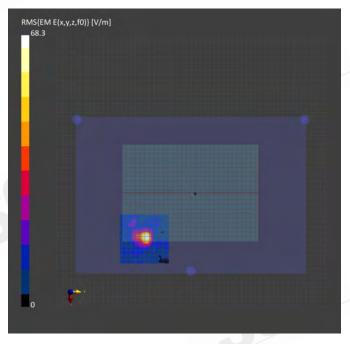


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Report No. : ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Main

Device Under Test P	•						IMEI			
Model, Manufacturer	•			Dimension	5 [mm]		DUT Type			
Device				296.0 x 21	1.0 x 15.0	5.0 Tablet				
Exposure Conditions										
Phantom Section	Posi	tion, Test Distai	nce [mm]	Band	Group, UID	Frequency [MHz], C	Channel Number	Conversion Factor		
5G Air	BAC	K SURFACE, 2.0	0	U-NII-5	WLAN, 10755-AAC	6185.0, 47		1.0		
Hardware Setup										
Phantom		Medium	Probe, Calib	ration Date			DAE, Calibra	tion Date		
mmWave - 1076		Air –	EUmmWV3 -	- SN9399_F1-78	GHz, 2022-01-26		DAE4 Sn166	5, 2022-02-28		
Scans Setup								/		
Scan Type								5G Scan		
Grid Extents [mm]								100.0 x 100.0		
Grid Steps [lambda]								0.0625 x 0.0625		
Sensor Surface [mm]								2.0		
MAIA						T		N/A		
Measurement Result	s									
Scan Type								5G Scan		
Date								2022-03-22, 04:21		
Avg. Area [cm²]								4.00		
psPDn+ [W/m ²]								3.49		
psPDtot+ [W/m ²]								4.04		
psPDmod+ [W/m ²]								5.06		
E _{max} [V/m]								68.3		
Power Drift [dB]								0.09		



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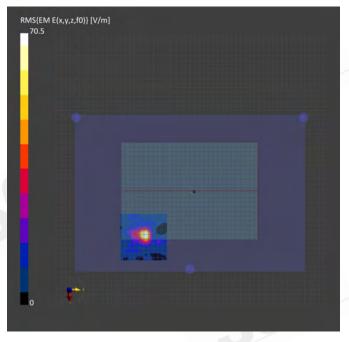
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Report No. : ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Main

Device Under Test Properties

Device Under Test P	roperties										
Model, Manufacturer Dimensions [mm]						IMEI			DUT Type		
Device				296.0 x 21	1.0 x 15.0		Tablet				
Exposure Conditions	5										
Phantom Section	Posit	ion, Test Distar	nce [mm]	Band	Group, UID	annel Number	Conversion Fact				
5G Air	G Air BACK SURFACE, 2.00 U-NII-6 WLA						6505.0, 111		1.0		
Hardware Setup				1			L.				
Phantom		Medium	Probe, Calibra	tion Date				DAE, Calibra	tion Date		
mmWave - 1076		Air -	EUmmWV3 – S	5N9399_F1-78	8GHz, 2022-0	1-26		DAE4 Sn166	5, 2022-02-28		
Faana Fatur		1							/		
Scans Setup Scan Type									5G Scan		
Grid Extents [mm]									100.0 x 100.0		
Grid Steps [lambda]						0.0625 x 0.0625					
Sensor Surface [mm]	1								2.0		
MAIA									N/A		
Measurement Result	s								17/5		
Scan Type	-								5G Scan		
Date				/					2022-03-22, 05:57		
Avg. Area [cm²]									4.00		
psPDn+ [W/m ²]									3.24		
psPDtot+ [W/m ²]									3.68		
psPDmod+ [W/m ²]									4.85		
E _{max} [V/m]									70.5		
Power Drift [dB]									-0.01		



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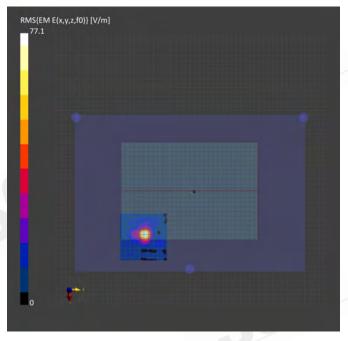


Report No. : ES/2022/20023 Page: 162 of 193

Report No. : ES/2022/20023

Measurement Report for Device, BACK SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 175 (6825.0 MHz)_Main

Device Under Test P	roperties			-						
Model, Manufacture	r			Dimension	s [mm]	IMEI			DUT Type	
Device	Device 296.0 x 211.0 x								Tablet	
Exposure Conditions	s									
Phantom Section	Positio	on, Test Distar	nce [mm]	Band	Group, UID		hannel Number	Conversion Fact		
5G Air	BACK	SURFACE, 2.0	0	U-NII-6	WLAN, 107	55-AAC	6825.0, 175		1.0	
Hardware Setup							·			
Phantom		Medium	Probe, Calib	ration Date				DAE, Calibra	tion Date	
mmWave - 1076		Air -	EUmmWV3 -	- SN9399_F1-78	3GHz, 2022-0	1-26		DAE4 Sn166	5, 2022-02-28	
Scans Setup										
Scan Type						1			5G Scan	
Grid Extents [mm]									100.0 x 100.0	
Grid Steps [lambda]									0.0625 x 0.0625	
Sensor Surface [mm]]								2.0	
MAIA									N/A	
Measurement Result	ts									
Scan Type									5G Scan	
Date									2022-03-22, 07:57	
Avg. Area [cm ²]									4.00	
psPDn+ [W/m ²]									4.22	
psPDtot+ [W/m ²]									4.94	
psPDmod+ [W/m ²]). 							6.38	
E _{max} [V/m]									77.1	
Power Drift [dB]									-0.08	



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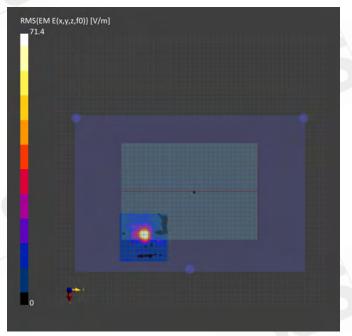
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Report No. : ES/2022/20023 Page: 163 of 193

Report No. : ES/2022/20023 Measurement Report for Device, Bottom Surface, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Main

Device Under Test Pro	operties											
Model, Manufacturer Dimensions [mm]						IMEI			MEI DUT Type			
Device				296.0 x 21	1.0 x 15.0			Tablet				
Exposure Conditions												
Phantom Section	Positi	ion, Test Distan	ce [mm]	Band	Group, UID		Frequency [MHz], Ch	annel Number		Conversion Factor		
5G Air	Air Bottom Surface, 2.00 U-NII-8 WLAN,						6985.0, 207			1.0		
Hardware Setup												
Phantom	~	Medium	Probe, Calibrati	on Date				DAE, Calibrat	tion Date			
mmWave - 1076		Air -	EUmmWV3 – SN	19399_F1-780	GHz, 2022-01-	26		DAE4 Sn166	5, 2022-02-2	8		
Scans Setup												
Scan Type										5G Scan		
Grid Extents [mm]						100.0 x 100.0						
Grid Steps [lambda]						0.0625 x 0.0625						
Sensor Surface [mm]										2.0		
MAIA										N/A		
Measurement Results	;											
Scan Type										5G Scan		
Date									202	22-03-22, 10:03		
Avg. Area [cm²]										4.00		
psPDn+ [W/m ²]										3.61		
psPDtot+ [W/m ²]										4.72		
psPDmod+ [W/m ²]										5.75		
E _{max} [V/m]										71.4		
Power Drift [dB]										0.07		



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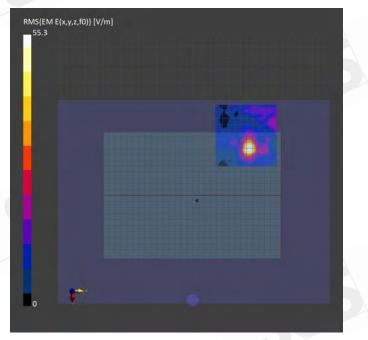
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Report No. : ES/2022/20023 Page: 164 of 193

Report No. : ES/2022/20023 Measurement Report for Device, Bottom Surface, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Aux

Device Under Test Pro	operties									
Model, Manufacturer								IMEI	DUT	Type
Device				296.0 x 21	1.0 x 11.0	11.0 Laptop				
Exposure Conditions	1									
Phantom Section	Positi	on, Test Distand	ce [mm]	Band	Group, UID	Fr	equency [MHz], Channe	el Number		Conversion Factor
5G Air	Botto	m Surface, 2.00		U-NII-5	WLAN, 10755-A	AC 60	25.0, 15			1.0
Hardware Setup										
Phantom	_	Medium	Probe, Calibratio	on Date				DAE, Calibrati	on Date	
mmWave - 1076		Air –	EUmmWV3 – SN	9399_F1-780	Hz, 2022-01-26			DAE4 Sn1665	, 2022-02	-28
Scans Setup			L						/	
Scan Type										5G Scan
Grid Extents [mm]										100.0 x 100.0
Grid Steps [lambda]										0.0625 x 0.0625
Sensor Surface [mm]										2.0
MAIA										N/A
Measurement Results										
Scan Type										5G Scan
Date									2	2022-03-22, 12:12
Avg. Area [cm²]										4.00
psPDn+ [W/m ²]										1.73
psPDtot+ [W/m ²]	sPDtot+ [W/m ²]									2.01
psPDmod+ [W/m ²]										3.15
E _{max} [V/m]										55.3
Power Drift [dB]										0.19



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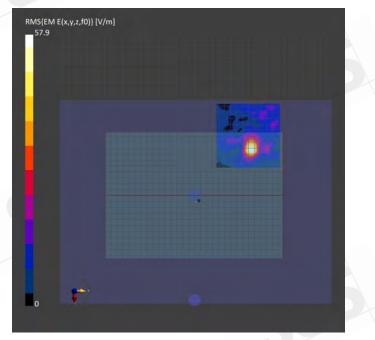
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Report No. : ES/2022/20023 Page: 165 of 193

Report No. : ES/2022/20023 Measurement Report for Device, Bottom Surface, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Aux

Device Under Test Pro	operties							
Model, Manufacturer				Dimensions	s [mm]		IMEI	DUT Type
Device				296.0 x 21	1.0 x 11.0	0 x 11.0		
Exposure Conditions								
Phantom Section	Positi	on, Test Distanc	ce [mm]	Band	Group, UID	Frequency [MHz], Ch	annel Number	Conversion Factor
5G Air	Bottor	m Surface, 2.00		U-NII-5	WLAN, 10755-AAC	6185.0, 47		1.0
Hardware Setup					I			
Phantom	-	Medium	Probe, Calibratio	on Date			DAE, Calibrat	ion Date
mmWave - 1076		Air –	EUmmWV3 – SN	9399_F1-780	GHz, 2022-01-26		DAE4 Sn1665	5, 2022-02-28
		1					1	///
Scans Setup Scan Type								5G Scan
Grid Extents [mm]								100.0 x 100.0
Grid Steps [lambda]								0.0625 x 0.0625
Sensor Surface [mm]								2.0
MAIA								N/A
Measurement Results	;							
Scan Type								5G Scan
Date								2022-03-22, 13:58
Avg. Area [cm²]								4.00
psPDn+ [W/m²]								1.78
psPDtot+ [W/m ²]								1.97
psPDmod+ [W/m ²]								3.13
E _{max} [V/m]								57.9
Power Drift [dB]								1.21



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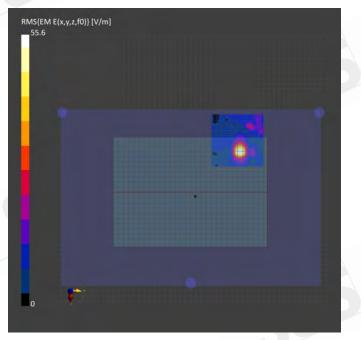
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Report No. : ES/2022/20023 Page: 166 of 193

Report No. : ES/2022/20023 Measurement Report for Device, Bottom Surface, U-NII-6, IEEE 802.11ax (160MH), Channel 111 (6505.0 MHz)_Aux

Device Under Test Pro	operties									
Model, Manufacturer				Dimensions				IMEI	DUT Type	
Device				296.0 x 21	1.0 x 11.0				Lapto	op
Exposure Conditions										
Phantom Section	Positi	on, Test Distanc	ce [mm]	Band	Group, UID		Frequency [MHz], Chann	el Number		Conversion Factor
5G Air	Botto	m Surface, 2.00		U-NII-6	WLAN, 10755-	AAC	6505.0, 111			1.0
Hardware Setup							Ľ			
Phantom	_	Medium	Probe, Calibratio	on Date				DAE, Calibrat	ion Date	
mmWave - 1076		Air -	EUmmWV3 – SN	9399_F1-780	GHz, 2022-01-26			DAE4 Sn1665	, 2022-02	-28
Scans Setup			L							
Scan Type						\sim				5G Scan
Grid Extents [mm]										100.0 x 100.0
Grid Steps [lambda]										0.0625 x 0.0625
Sensor Surface [mm]										2.0
MAIA										N/A
Measurement Results										
Scan Type										5G Scan
Date									2	2022-03-22, 15:31
Avg. Area [cm²]										4.00
psPDn+ [W/m ²]										1.66
psPDtot+ [W/m ²]								2.04		
psPDmod+ [W/m²]										3.08
E _{max} [V/m]										55.7
Power Drift [dB]										-0.05



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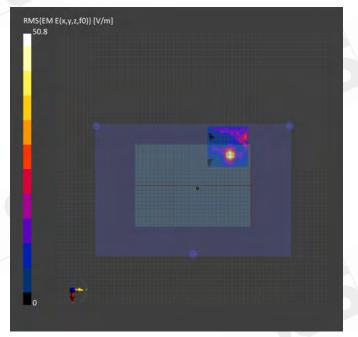
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Report No. : ES/2022/20023 Page: 167 of 193

Report No. : ES/2022/20023 Measurement Report for Device, Bottom Surface, U-NII-7, IEEE 802.11ax (160MHz), Channel 143 (6665.0 MHz)_Aux Device Inder Test Properties

Device Under Test Pro	operties									
Model, Manufacturer				Dimensions	5 [mm]		IMEI	DUT Type		
Device				296.0 x 21	1.0 x 11.0	Laptop				
Exposure Conditions										
Phantom Section		on, Test Distan	ce [mm]	Band	Group, UID	Frequency [MHz], Char	nnel Number	Conversion Factor		
5G Air	Botton	n Surface, 2.00	1	U-NII-7	WLAN, 10755-AAC	6665.0, 143		1.0		
Hardware Setup						I				
Phantom	-	Medium	Probe, Calibra	tion Date			DAE, Calibrat	tion Date		
mmWave - 1076		Air -	EUmmWV3 – S	N9399_F1-780	GHz, 2022-01-26		DAE4 Sn1665	5, 2022-02-28		
			1					///		
Scans Setup Scan Type								5G Scan		
Grid Extents [mm]								100.0 x 100.0		
Grid Steps [lambda]								0.0625 x 0.0625		
Sensor Surface [mm]				_				2.0		
MAIA				- e				N/A		
Measurement Results	5							,		
Scan Type								5G Scan		
Date								2022-03-22, 17:28		
Avg. Area [cm²]								4.00		
psPDn+ [W/m ²]								1.52		
psPDtot+ [W/m ²]								1.89		
psPDmod+ [W/m ²]								2.69		
E _{max} [V/m]								50.8		
Power Drift [dB]								0.29		



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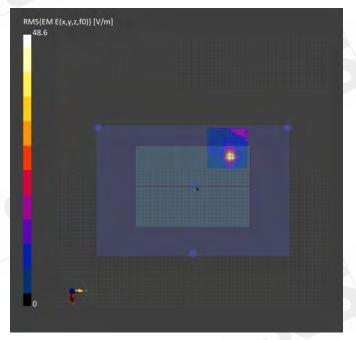
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Report No. : ES/2022/20023 Page: 168 of 193

Report No. : ES/2022/20023 Measurement Report for Device, Bottom Surface, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Aux

Device Under Test Pro	operties								
Model, Manufacturer				Dimensions	nsions [mm] I			DUT Typ	De la
Device				296.0 x 21	.0 x 11.0				
Exposure Conditions	1								
Phantom Section	Positi	ion, Test Distand	ce [mm]	Band	Group, UID	Frequency [MHz], Cha	nnel Number	c	Conversion Factor
5G Air Bottom Surface, 2.00 U-NII-8 W					WLAN, 10755-AAC	6985.0, 207		1	1.0
Hardware Setup					·				
Phantom	~	Medium	Probe, Calibratio	on Date			DAE, Calibrati	ion Date	
mmWave - 1076		Air -	EUmmWV3 – SN	9399_F1-780	GHz, 2022-01-26		DAE4 Sn1665	, 2022-02-28	8
Scans Setup			<u></u>						
Scan Type									5G Scan
Grid Extents [mm]									100.0 x 100.0
Grid Steps [lambda]								C	0.0625 x 0.0625
Sensor Surface [mm]									2.0
MAIA									N/A
Measurement Results	6								
Scan Type									5G Scan
Date								202	2-03-22, 20:07
Avg. Area [cm²]									4.00
psPDn+ [W/m ²]									1.58
psPDtot+ [W/m ²]									1.76
psPDmod+ [W/m ²]									2.44
E _{max} [V/m]									48.6
Power Drift [dB]									0.61



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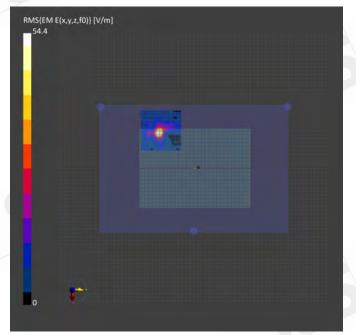
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Report No. : ES/2022/20023 Page: 169 of 193

Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 47 (6185.0 MHz)_Main

Device Under Test Pro	operties								
Model, Manufacturer							IMEI	DUT Type	
Device				296.0 x 2	18.0 x 5.0	0 x 5.0			
Exposure Conditions									
Phantom Section	Posi	tion, Test Distan	ce [mm]	Band	Group, UID	Frequency [MHz], Cha	annel Number	Conversion Factor	
5G Air	вот	TOM SURFACE, 2	.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47		1.0	
Hardware Setup									
Phantom	-	Medium	Probe, Calibrat	ion Date			DAE, Calibra	tion Date	
mmWave - 1076		Air –	EUmmWV3 – SI	N9399_F1-780	GHz, 2022-01-26		DAE4 Sn166	5, 2022-02-28	
			1					/	
Scans Setup Scan Type								5G Scan	
								100.0 x 100.0	
Grid Extents [mm]									
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results								1	
Scan Type								5G Scan	
Date								2022-03-21, 01:03	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								2.46	
psPDtot+ [W/m ²]								3.00	
psPDmod+ [W/m ²]								3.67	
E _{max} [V/m]								54.4	
Power Drift [dB]								0.11	



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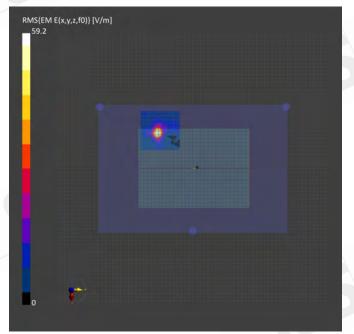
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Report No. : ES/2022/20023 Page: 170 of 193

Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 79 (6345.0 MHz)_Main Device Inder Test Properties

Device Under Test Pro	operties							
Model, Manufacturer			Dimensio	ns [mm]		IMEI	DUT Type	
Device			296.0 x 2	18.0 x 5.0			Laptop	
Exposure Conditions								
Phantom Section	Position, Test Dista	nce [mm]	Band	Group, UID	Frequency [MHz], Cha	annel Number	Conversion Fac	tor
5G Air	BOTTOM SURFACE,	2.00	U-NII-5	WLAN, 10755-AAC	6345.0, 79		1.0	
Hardware Setup			1				CA	
Phantom	Medium	Probe, Calibratio	on Date			DAE, Calibra	tion Date	
mmWave - 1076	Air –	EUmmWV3 – SN	9399_F1-780	GHz, 2022-01-26		DAE4 Sn166	5, 2022-02-28	
Scans Setup		· ·						
Scan Type							5G Sca	ın
Grid Extents [mm]							100.0 x 100.	.0
Grid Steps [lambda]							0.0625 x 0.062	5
Sensor Surface [mm]							2.	.0
MAIA							N/	A
Measurement Results	6							
Scan Type							5G Sca	เท
Date							2022-03-21, 02:4	9
Avg. Area [cm²]							4.0	0
psPDn+ [W/m ²]							1.5	6
psPDtot+ [W/m ²]							2.0	5
psPDmod+ [W/m ²]							3.4	1
E _{max} [V/m]							59.	.2
Power Drift [dB]							0.1	0



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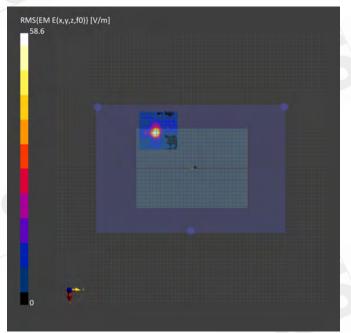
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Report No. : ES/2022/20023 Page: 171 of 193

Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-6, IEEE 802.11ax (160MHz), Channel 111 (6505.0 MHz)_Main Device Inder Test Properties

Device Under Test Pro	operties							
Model, Manufacturer			Dimensio	ns [mm]		IMEI	DUT Ty	rpe
Device			296.0 x 2	18.0 × 5.0			Laptop	
Exposure Conditions								
Phantom Section	Position, Test Dista	ance [mm]	Band	Group, UID	Frequency [MHz], Char	nel Number		Conversion Factor
5G Air	BOTTOM SURFACE,	, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111			1.0
Hardware Setup			1		I			
Phantom	Medium	Probe, Calibratio	on Date			DAE, Calibra	ation Date	
mmWave - 1076	Air –	EUmmWV3 – SN	9399_F1-780	GHz, 2022-01-26		DAE4 Sn166	5, 2022-02-	28
Scans Setup	1						_	
Scan Setup								5G Scan
Grid Extents [mm]								100.0 x 100.0
Grid Steps [lambda]								0.0625 x 0.0625
Sensor Surface [mm]								2.0
MAIA								N/A
Measurement Results	6							
Scan Type								5G Scan
Date							20	022-03-21, 04:03
Avg. Area [cm²]								4.00
psPDn+ [W/m ²]								2.97
psPDtot+ [W/m ²]								3.43
psPDmod+ [W/m ²]								3.94
E _{max} [V/m]							-	58.6
Power Drift [dB]								-0.17



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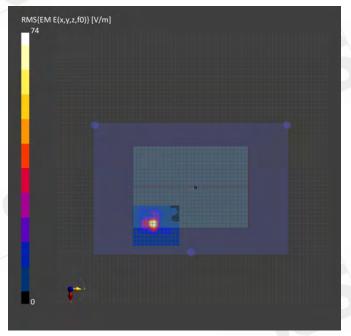
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Report No. : ES/2022/20023 Page: 172 of 193

Report No. : ES/2022/20023 Measurement Report for Device, BACK SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 143 (6665.0 MHz)_Main Device Inder Test Properties

Device Under Test Pro	operties								
Model, Manufacturer				Dimensions [mm]			DUT Type		
Device			296.0 x 21	1.0 × 15.0			Tablet		
Exposure Conditions									
Phantom Section	Position, Test Dist	ance [mm]	Band	Group, UID	Frequency [MHz], Chan	nel Number	Conversion Factor		
5G Air	BACK SURFACE, 2	.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143		1.0		
Hardware Setup			L						
Phantom	Medium	Probe, Calibra	tion Date			DAE, Calibrat	ion Date		
mmWave - 1076	Air –	EUmmWV3 – S	N9399_F1-780	GHz, 2022-01-26		DAE4 Sn1665	5, 2022-02-28		
Scans Setup									
Scan Type							5G Scan		
Grid Extents [mm]							100.0 x 100.0		
Grid Steps [lambda]							0.0625 x 0.0625		
Sensor Surface [mm]							2.0		
MAIA							N/A		
Measurement Results	5								
Scan Type							5G Scan		
Date							2022-03-21,06:00		
Avg. Area [cm²]					4.00				
psPDn+ [W/m ²]					3.88				
psPDtot+ [W/m ²]							4.45		
psPDmod+ [W/m ²]							5.76		
E _{max} [V/m]							74.0		
Power Drift [dB]							0.04		



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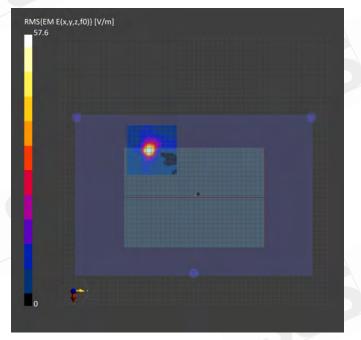
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Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Main Device Inder Test Properties

Device Under Test Pro	operties									
Model, Manufacturer				Dimension	Dimensions [mm]			DUT Typ	De	
Device				296.0 x 2	18.0 x 5.0			Laptop		
Exposure Conditions										
Phantom Section	Positi	on, Test Distan	ce [mm]	Band	Group, UID	Frequency [MHz], Chann	nel Number		Conversion Factor	
5G Air	вотт	OM SURFACE, 2	.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207			1.0	
Hardware Setup										
Phantom	~	Medium	Probe, Calibrat	ion Date			DAE, Calibra	tion Date		
mmWave - 1076		Air –	EUmmWV3 – SI	N9399_F1-78C	Hz, 2022-01-26		DAE4 Sn166	5, 2022-02-2	28	
		1	I					/		
Scans Setup Scan Type									5G Scan	
Grid Extents [mm]						100.0 x 100.0				
						0.0625 × 0.0625				
Grid Steps [lambda]				-						
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results	5			-					5G Scan	
Scan Type										
Date						2022-03-21, 07:43				
Avg. Area [cm²]						4.00				
psPDn+ [W/m ²]									1.84	
psPDtot+ [W/m ²]									2.07	
psPDmod+ [W/m ²]									3.20	
E _{max} [V/m]									57.6	
Power Drift [dB]									-0.11	



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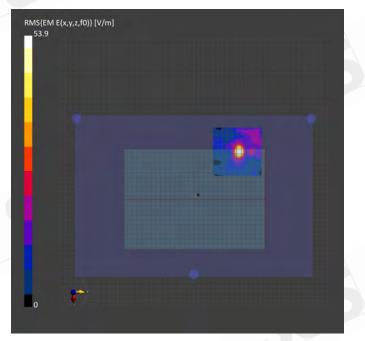
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Report No. : ES/2022/20023 Page: 174 of 193

Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 15 (6025.0 MHz)_Aux

Device Under Test Pro	operties									
Model, Manufacturer Dimensions [mm]					ns [mm]		IMEI	DUT Typ	be in the second se	
Device				296.0 x 2	18.0 x 5.0	5.0				
Exposure Conditions										
Phantom Section	Posit	ion, Test Distand	ce [mm]	Band	Group, UID	Frequency [MHz], Cha	nnel Number		Conversion Factor	
5G Air	BOTT	OM SURFACE, 2	.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15			1.0	
Hardware Setup										
Phantom	~	Medium	Probe, Calibrat	ion Date			DAE, Calibrat	tion Date		
mmWave - 1076		Air -	EUmmWV3 – SI	N9399_F1-780	GHz, 2022-01-26		DAE4 Sn1665	5, 2022-02-2	8	
Scans Setup										
Scan Type									5G Scan	
Grid Extents [mm]						100.0 x 100.0				
Grid Steps [lambda]						0.0625 × 0.0625				
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results										
Scan Type									5G Scan	
Date								20	22-03-21, 09:26	
Avg. Area [cm²]						4.00				
psPDn+ [W/m²]						1.54				
psPDtot+ [W/m ²]									2.11	
psPDmod+ [W/m ²]									3.11	
E _{max} [V/m]									53.9	
Power Drift [dB]									0.09	



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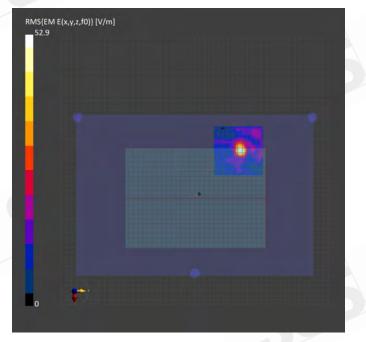
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Report No. : ES/2022/20023 Page: 175 of 193

Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-5, IEEE 802.11ax (160MHz), Channel 79 (6345.0 MHz)_Aux

Device Under Test Pro	operties									
Model, Manufacturer Dimensions [mi					ns [mm]	1]		DUT Type		
Device				296.0 x 2	18.0 x 5.0			Laptop		
Exposure Conditions										
Phantom Section	Positi	ion, Test Distand	ce [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversio	n Factor	
5G Air	BOTT	OM SURFACE, 2	.00	U-NII-5	WLAN, 10755-A	AC 6345.0, 79		1.0		
Hardware Setup						Ľ				
Phantom	~	Medium	Probe, Calibrati	on Date			DAE, Calibra	tion Date		
mmWave - 1076		Air -	EUmmWV3 – SN	19399_F1-780	GHz, 2022-01-26		DAE4 Sn166	5, 2022-02-28		
Scans Setup										
Scan Type								5	G Scan	
Grid Extents [mm]						100.0 x 100.0				
Grid Steps [lambda]						0.0625 x 0.0625				
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results										
Scan Type						5G Scan				
Date						2022-03-21, 11:20				
Avg. Area [cm²]						4.00				
psPDn+ [W/m ²]						1.72				
psPDtot+ [W/m ²]									2.10	
psPDmod+ [W/m ²]									2.88	
E _{max} [V/m]									52.9	
Power Drift [dB]									-0.06	



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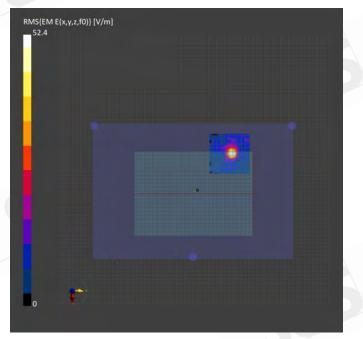
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Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-6, IEEE 802.11ax (160MH), Channel 111 (6505.0 MHz)_Aux

Device Under Test Pro	operties									
Model, Manufacturer Dimensi					Dimensions [mm]			DUT Type		
Device 296.0 x 218.					18.0 x 5.0			Laptop		
Exposure Conditions										
Phantom Section	Positi	ion, Test Distan	ce [mm]	Band	Group, UID	Frequency [MHz], Ch	annel Number		Conversion Factor	
5G Air	BOTT	OM SURFACE, 2	.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111			1.0	
Hardware Setup						I				
Phantom	~	Medium	Probe, Calibrat	ion Date			DAE, Calibrat	tion Date		
mmWave - 1076		Air -	EUmmWV3 – Sl	N9399_F1-78C	Hz, 2022-01-26		DAE4 Sn1665	5, 2022-02-	-28	
		1						/		
Scans Setup					1				5G Scan	
Scan Type										
Grid Extents [mm]						100.0 × 100.0				
Grid Steps [lambda]						0.0625 × 0.0625				
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results	6									
Scan Type									5G Scan	
Date						2022-03-21, 13:20				
Avg. Area [cm ²]						4.00				
psPDn+ [W/m ²]									1.53	
psPDtot+ [W/m ²]									1.95	
psPDmod+ [W/m ²]									2.82	
E _{max} [V/m]									52.4	
Power Drift [dB]									-0.01	



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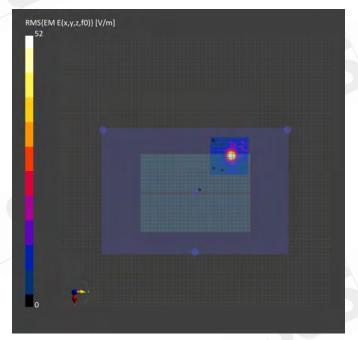
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Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-7, IEEE 802.11ax (160MHz), Channel 175 (6825.0 MHz)_Aux

Device Under Test Pro	perties									
Model, Manufacturer				Dimensions [mm]			IMEI	DUT Typ	e	
Device				296.0 x 2	18.0 x 5.0			Laptop		
Exposure Conditions										
Phantom Section	Position, Te	est Distanc	e [mm]	Band	Group, UID	Frequency [MHz], Chan	nel Number	C	Conversion Factor	
5G Air	BOTTOM SU	JRFACE, 2.	00	U-NII-7	WLAN, 10755-AAC	6825.0, 175		1	1.0	
Hardware Setup				- 1	- IL	I				
Phantom	Med	lium	Probe, Calibrati	on Date			DAE, Calibra	tion Date		
mmWave - 1076	Air -	-	EUmmWV3 – SN	9399_F1-78C	Hz, 2022-01-26		DAE4 Sn166	5, 2022-02-28	8	
Scans Setup Scan Type					1				5G Scan	
Grid Extents [mm]									100.0 x 100.0	
Grid Steps [lambda]						0.0625 × 0.0625				
Sensor Surface [mm]				-				· · · ·	2.0	
MAIA									N/A	
Measurement Results						Y			N/A	
Scan Type									5G Scan	
Date				\sim				202	2-03-21, 15:55	
Avg. Area [cm²]						4.00				
psPDn+ [W/m ²]						1.65				
psPDtot+ [W/m ²]									2.05	
psPDmod+ [W/m ²]									2.92	
E _{max} [V/m]									52.0	
Power Drift [dB]									0.15	



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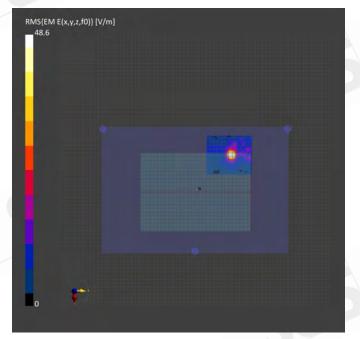
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Report No. : ES/2022/20023 Page: 178 of 193

Report No. : ES/2022/20023 Measurement Report for Device, BOTTOM SURFACE, U-NII-8, IEEE 802.11ax (160MHz), Channel 207 (6985.0 MHz)_Aux

Device Under Test Pro	operties									
Model, Manufacturer Din				Dimensions [mm]			IMEI	DUT Typ	e	
Device				296.0 x 2	18.0 x 5.0			Laptop		
Exposure Conditions										
Phantom Section	Positi	ion, Test Distan	ce [mm]	Band	Group, UID	Frequency [MHz], Cha	innel Number		Conversion Factor	
5G Air	вотт	OM SURFACE, 2	2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207			1.0	
Hardware Setup								6		
Phantom	~	Medium	Probe, Calibratio	on Date			DAE, Calibrat	tion Date		
mmWave - 1076		Air –	EUmmWV3 – SN	9399_F1-78C	GHz, 2022-01-26		DAE4 Sn166	5, 2022-02-2	8	
		1						/		
Scans Setup Scan Type									5G Scan	
Grid Extents [mm]						100.0 x 100.0				
Grid Steps [lambda]						0.0625 x 0.0625				
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results Scan Type	5								5G Scan	
				\rightarrow				202		
Date						2022-03-21, 17:48				
Avg. Area [cm ²]						4.00				
psPDn+ [W/m ²]									1.30	
psPDtot+ [W/m ²]									1.57	
psPDmod+ [W/m ²]									2.43	
E _{max} [V/m]									48.6	
Power Drift [dB]									-0.15	



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6. SAR System Performance Verification

Date: 2022/4/9

Report No. :ES/2022/20023 Dipole 2450 MHz_SN:727

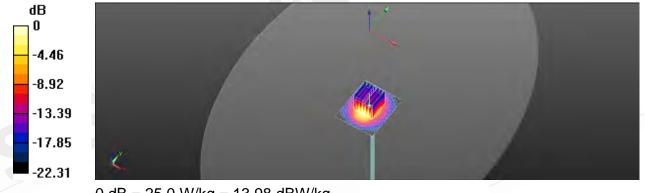
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1 Medium parameters used: f = 2450 MHz; σ = 1.781 S/m; ϵ_r = 38.731; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(8.32, 8.32, 8.32); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2022/02/28
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)
- Area Scan (51x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 27.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 91.74 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 34.0 W/kg SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.42 W/kg Smallest distance from peaks to all points 3 dB below = 9.2 mm Ratio of SAR at M2 to SAR at M1 = 48.2% Maximum value of SAR (measured) = 25.0 W/kg



0 dB = 25.0 W/kg = 13.98 dBW/kg

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Date: 2022/3/17

Report No. :ES/2022/20023 Dipole 5250 MHz_SN:1023

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.8°C

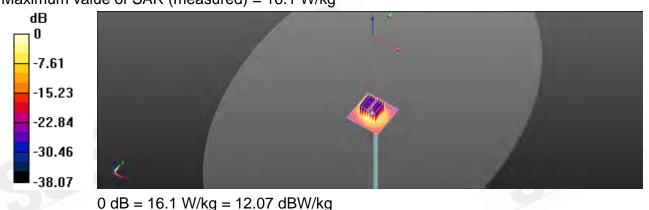
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 16.4 W/kg

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

Reference Value = 61.11 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 30.2 W/kg SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.28 W/kg Smallest distance from peaks to all points 3 dB below = 7.5 mm Ratio of SAR at M2 to SAR at M1 = 56.3% Maximum value of SAR (measured) = 16.1 W/kg



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Report No. : ES/2022/20023 Page : 181 of 193

Date: 2022/3/17

Report No. :ES/2022/20023 Dipole 5250 MHz_SN:1023

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1 Medium parameters used: f = 5250 MHz; σ = 4.676 S/m; ϵ_r = 35.559; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.8°C

DASY5 Configuration:

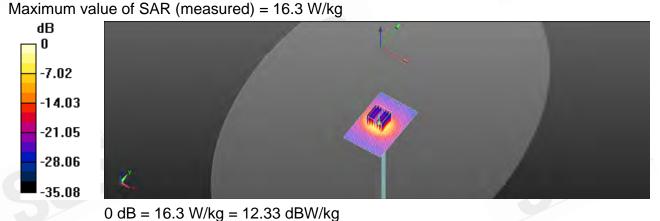
- Probe: EX3DV4 SN7686; ConvF(5.81, 5.81, 5.81); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 16.7 W/kg

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

Reference Value = 63.41 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 30.8 W/kg SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.28 W/kg Smallest distance from peaks to all points 3 dB below = 7.7 mm Ratio of SAR at M2 to SAR at M1 = 56.6%



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Report No. : ES/2022/20023 Page : 182 of 193

Date: 2022/3/18

Report No. :ES/2022/20023 Dipole 5600 MHz SN:1023

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1 Medium parameters used: f = 5600 MHz; σ = 5.032 S/m; ϵ_r = 35.145; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.6°C

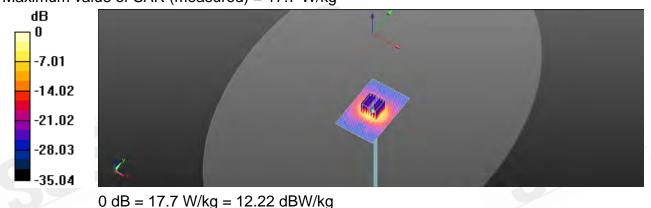
DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.16, 5.16, 5.16); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 17.6 W/kg

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

Reference Value = 57.04 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 23.9 W/kg **SAR(1 g) = 8.38 W/kg; SAR(10 g) =2.35 W/kg** Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 53.3% Maximum value of SAR (measured) = 17.7 W/kg



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Report No. : ES/2022/20023 Page : 183 of 193

Date: 2022/3/18

Report No. :ES/2022/20023 Dipole 5750 MHz_SN:1023

Communication System: CW; Frequency: 5750 MHz; Duty Cycle: 1:1 Medium parameters used: f = 5750 MHz; σ = 5.183 S/m; ϵ_r = 34.997; ρ = 1000 kg/m³ Phantom section: Flat Section

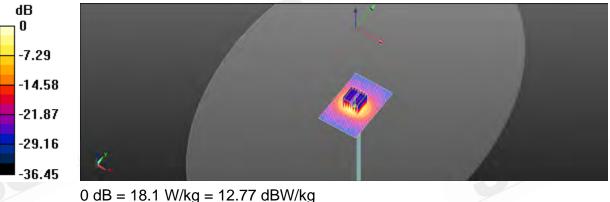
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN7686; ConvF(5.3, 5.3, 5.3); Calibrated: 2021/10/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2021/03/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 19.2 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 65.35 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 28.4 W/kg SAR(1 g) = 8.21 W/kg; SAR(10 g) = 2.29 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 50.6% Maximum value of SAR (measured) = 18.1 W/kg



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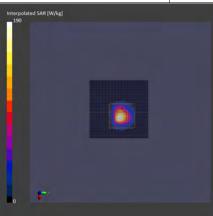


Report No. : ES/2022/20023 Page: 184 of 193

Report No. :ES/2022/20023

Measurement Report for Device, FRONT, Validation band, CW, Channel 6500 (6500.0 MHz)

Model, Manufacturer			E	Dimensio	ins [mm]			IMEI			DUT Type	
Device,			1	16.0 x 6.0	0 x 300.0			SN:1006			Dipole	
Exposure Condition	ons											
Phantom Section, TSL	Position, Test Distance	e [mm]	Band		Group, UID	Frequenc	y [MHz], Channel Number	Convers	sion Factor	TSL Cor	nductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00		Validation b	band	CW, 0	6500.0, 6	500	6.2		6.034		34.238
Hardware Setup							T					
Phantom		TSL, Mea	sured Date	e	Probe, Calibration Dat					DAE,	Calibration Date	
ELI V5.0 (20deg probe tilt	:) - 1141	HBBL-60	0-10000,	,2022-M	lar-19		EX3DV4 - SN7686, 20	021-10-05		DAE4	Sn877, 2021-03	-22
Scans Setup							1					
							Area Scan			1	Zo	oom Scan
Grid Extents [mm]							51.0 x 36.0		22.0 x 22.0 x 22.0			
Grid Steps [mm]							8.5 x 8.5				3.4 x	3.4 x 1.4
Sensor Surface [mm]							3.0					1.4
Graded Grid				((Yes					Yes
Grading Ratio							1.5					1.4
MAIA							N/A					N/A
Surface Detection				_			VMS + 6p	VMS + 6p				VMS + 6p
Scan Method							Measured	Measured				
Measurement Res	ults											
							Area Scan				Zo	oom Scan
Date							2022-03-19, 00:27	2022-03-15			9, 00:45	
psSAR1g [W/Kg]							27.7					28.7
psSAR10g [W/Kg]							5.32					5.42
Power Drift [dB]							0.08			_		0.05
Power Scaling					Disabled						Disabled	
Scaling Factor [dB]						6						
TSL Correction							No correction				No	correction
M2/M1 [%]												52.2
Dist 3dB Peak [mm]												4.9



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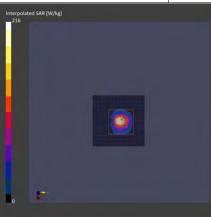


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Report No. :ES/2022/20023

Measurement Report for Device, FRONT, Validation band, CW, Channel 7000 (7000.0 MHz)

Model, Manufacturer				Dimensio	ins [mm]			IMEI			DUT Type		
Device,				14.0 x 6.0	0 x 297.0			SN:100	07		Dipole		
Exposure Condition	ons												
Phantom Section, TSL	Position, Test Distance	[mm]	Band		Group, UID	Frequenc	y [MHz], Channel Number	Channel Number Conversion Factor		TSL C	onductivity [S/m]	TSL Permittivit	
Flat, HSL	FRONT, 5.00		Validation	n band	CW, 0	7000.0, 7	000	6.	.14	6.611		33.622	
Hardware Setup													
Phantom		TSL, Me	asured Dat	te			Probe, Calibration Date			DAE	E, Calibration Date		
ELI V5.0 (20deg probe tilt)	I V5.0 (20deg probe tilt) - 1141			,2022-M	1ar-19		EX3DV4 - SN7686, 20	021-10-0	15	DAE	DAE4 Sn877, 2021-03-22		
Scans Setup				1									
							Area Scan			~	Zo	om Scan	
Grid Extents [mm]	ents [mm]						45.0 x 45.0				28.0 x 28	.0 x 24.0	
Grid Steps [mm]							7.5 x 7.5	3.4 x 3.4 x 1.4				3.4 x 1.4	
Sensor Surface [mm]							3.0	1.4				1.4	
Graded Grid				60			Yes					Yes	
Grading Ratio							1.5					1.4	
MAIA							Y					Y	
Surface Detection				/			VMS + 6p				v	MS + 6p	
Scan Method							Measured	Measured				leasured	
Measurement Res	ults		1									_	
							Area Scan	Zoom Sc				om Scan	
Date							2022-03-19, 00:53				2022-03-19	9, 01:10	
psSAR1g [W/Kg]							28.1					28.4	
psSAR10g [W/Kg]							4.65					4.82	
Power Drift [dB]							0.08	0.05				0.05	
Power Scaling							Disabled	Disable			Disabled		
Scaling Factor [dB]						6							
TSL Correction							No correction	No correctio			orrection		
M2/M1 [%]												51.1	
Dist 3dB Peak [mm]												4.8	



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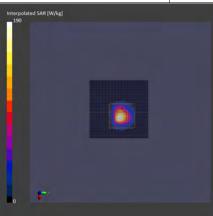


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Report No. :ES/2022/20023

Measurement Report for Device, FRONT, Validation band, CW, Channel 6500 (6500.0 MHz)

Model, Manufacturer			0	Dimensions [mm]					8		DUT Type		
Device,			1	16.0 x 6.0	x 300.0			SN:1	1006		Dipole		
Exposure Condition	ons												
Phantom Section, TSL	Position, Test Distant	ce [mm]	Band		Group, UID	Frequenc	y [MHz], Channel Number		Conversion Factor		onductivity [S/m]	TSL Permittivity	
Flat, HSL	FRONT, 5.00		Validation b	band	CW, 0	6500.0, 6	500		6.2	6.033		34.224	
Hardware Setup													
Phantom		TSL, Mea	asured Date	Ð	Probe, Calibration Dat					DAE	, Calibration Date		
ELI V5.0 (20deg probe tilt	V5.0 (20deg probe tilt) - 1141 HBB		00-10000,	,2022-Ma	ar-20		EX3DV4 - SN7686, 20	021-10	0-05	DAE	DAE4 Sn877, 2021-03-22		
Scans Setup													
							Area Scan				Zo	om Scan	
Grid Extents [mm]							51.0 x 36.0		22.0 x 22.0 x 22.				
Grid Steps [mm]							8.5 x 8.5	3.4 x 3.4			3.4 x 1.4		
Sensor Surface [mm]					3.0				1.4				
Graded Grid					Yes							Yes	
Grading Ratio					1.5				1.4				
MAIA					N/A							N/A	
Surface Detection				_	VMS + 6p				VMS + 6p				
Scan Method							Measured	Measured					
Measurement Res	ults		1										
							Area Scan				Zo	om Scan	
Date							2022-03-20, 03:31	2022-03-20, 03:				0, 03:55	
psSAR1g [W/Kg]							28.4				28.9		
psSAR10g [W/Kg]							5.44					5.51	
Power Drift [dB]							0.03			<		0.02	
Power Scaling						Disabled			Disabl			Disabled	
Scaling Factor [dB]						6							
TSL Correction				_			No correction				No c	orrection	
M2/M1 [%]												52.5	
Dist 3dB Peak [mm]												5.2	



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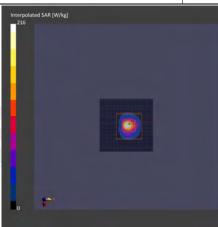
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Report No. :ES/2022/20023

Measurement Report for Device, FRONT, Validation band, CW, Channel 7000 (7000.0 MHz)

Model, Manufacturer				Dimensio	ins [mm]			IME	El		DUT Type	
Device,				14.0 x 6.0) x 297.0			SN	:1007		Dipole	
Exposure Conditio	ns										1	
Phantom Section, TSL	Position, Test Distance [[mm]	Band		Group, UID	Frequenc	y [MHz], Channel Number		Conversion Factor	TSL C	onductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00		Validation	n band	CW, 0	7000.0, 7	000		6.14	6.611		33.62
Hardware Setup		T					1					
Phantom		TSL, Me	easured Da	te			Probe, Calibration Date			DAE	, Calibration Date	
ELI V5.0 (20deg probe tilt)	- 1141	HBBL-6	600-10000	,2022-M	ar-20		EX3DV4 - SN7686, 2021-10-05			DAE	4 Sn877, 2021-03	-22
Scans Setup							1					
							Area Scan				Z	oom Scan
Grid Extents [mm]							45.0 x 45.0				28.0 x 2	28.0 x 24.0
Grid Steps [mm]					7.5 x 7.5					_	3.4	x 3.4 x 1.4
Sensor Surface [mm]					3.0							1.4
Graded Grid							Yes					Yes
Grading Ratio					1.5							1.4
MAIA					Y							Y
Surface Detection							VMS + 6p					VMS + 6p
Scan Method							Measured					Measured
Measurement Resu	ults		1	/								
							Area Scan				Z	oom Scan
Date							2022-03-20, 04:11	2022-03-20, 04:30				20, 04:36
osSAR1g [W/Kg]							27.2					27.7
osSAR10g [W/Kg]							4.62					4.72
Power Drift [dB]							0.04					0.03
Power Scaling					Disabled				Disabled			
Scaling Factor [dB]												
TSL Correction							No correction				No	correction
/l2/M1 [%]												52.1
Dist 3dB Peak [mm]												4.6



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Report No. : ES/2022/20023

Measurement Report for 10G Source, Front, Validation band, CW, Channel 10000 (10000.0 MHz)

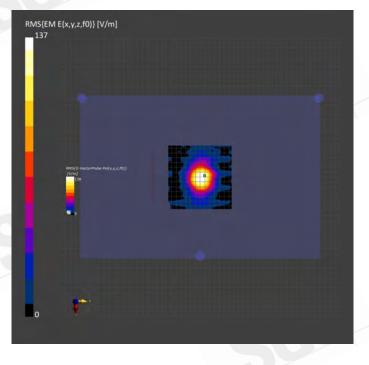
Device Under Test Properties											
Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type								
5G Verification Source 10 GHz,	100.0 x 100.0 x 172.0	SN: 1021	-								

re Conditions

exposure conditions					
Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Front, 10.00	Validation band	CW, 0	10000.0, 10000	1.0
Hardware Setup					

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-78GHz, 2022-01-26	DAE4 Sn1665, 2022-02-28
Scans Setun			

Scans Setup	
Scan Type	5G Sca
Grid Extents [mm]	120.0 × 120
Grid Steps [lambda]	0.25 × 0.2
Sensor Surface [mm]	10
MAIA	N/
Measurement Results	
Scan Type	5G Sca
Date	2021-03-21, 00:2
Avg. Area [cm ²]	1.0
psPDn+ [W/m ²]	51
psPDtot+ [W/m ²]	51,
psPDmod+ [W/m ²]	52
E _{max} [V/m]	13
Power Drift [dB]	0.0



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7. Uncertainty Budget

A	с	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	8
lsotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	8
lsotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	8
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	8
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	8
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Readout Electronics	0.30%	Ν	1		1	1	0.30%	0.30%	8
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	8
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	80
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	8
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	8
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
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	ł		M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	80
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	8
Liquid permittivity (mea.)	1.05%	Ν	1	1	0.64	0.43	0.67%	0.45%	М
Liquid Conductivity (mea.)	0.76%	N	1	1	0.6	0.49	0.46%	0.37%	М
Combined standard uncertainty		RSS					11.74%	11.72%	
Expant uncertainty (95% confidence interval), K=2							23.49%	23.44%	

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

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

A	с	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	8
lsotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	8
lsotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	8
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%	00
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Readout Electronics	0.30%	Ν	1	1	1	1	0.30%	0.30%	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	8
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	8
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	8
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%	8
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	8
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	~
Test Sample related							-		
Test sample positioning	2.90%	Ν	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	Ν	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			Ċ						
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Liquid permittivity (mea.)	1.23%	N	1	1	0.64	0.43	0.79%	0.53%	М
Liquid Conductivity (mea.)	1.08%	N	1	1	0.6	0.49	0.65%	0.53%	М
Combined standard uncertainty		RSS					11.46%	11.43%	
Expant uncertainty (95% confidence interval), K=2							22.93%	22.87%	

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DASY6 Uncertainty Budget According to IEC/IEEE 62209-1528 (Frequency band: 6GHz - 10GHz range)

	((incquerioy						
а	b	с	d		е	е	f=b * e / d	f=b * e / d
Source of Uncertainty	Uncertainty Value (±%)	Probability Distributioin	Div.	Div. Value	(ci) 1g	(ci) 10g	Std. uncertainty (1g) (±%)	Std. uncertainty (10g) (±%)
Measurement system errors								
Probe calibration	18.6	N	2	2	1	1	9.3	9.3
Probe Calibration Drift	1.7	R	√3	1.732	1	1	1.0	1.0
Probe Linearity	4.7	R	√3	1.732	1	1	2.7	2.7
Broadband Signal	2.8	R	√3	1.732	1	1	1.6	1.6
Probe Isotropy	7.6	R	√3	1.732	1	1	4.4	4.4
Data Acquisition	0.3	N	1	1	1	1	0.3	0.3
RF Ambient	1.8	N	1	1	1	1	1.8	1.8
Probe positioning	0.2	Ν	1	1	0.67	0.67	0.1	0.1
Data Processing	3.5	N	1	1	1	1	3.5	3.5
Phantom and device errors								
Conductivity (meas.)DAK	2.5	N	1	1	0.78	0.71	2.0	1.8
Conductivity (temp.)BB	2.4	R	√3	1.732	0.78	0.71	1.1	1.0
Phantom Permittivity	14.0	R	√3	1.732	0.5	0.5	4.0	4.0
Distance DUT - TSL	2.0	N	1	1	2	2	4.0	4.0
Device Positioning (±0.5mm)	1.0	N	1	1	1	1	1.0	1.0
Device Holder	3.6	Ν	1	1	1	1	3.6	3.6
DUT Modulationm	2.4	R	√3	1.732	1	1	1.4	1.4
Time-average SAR	0.0	R	√3	1.732	1	1	0.0	0.0
DUT drift	2.5	N	1	1	1	1	2.5	2.5
Val Antenna Unc.	0.0	N	1	1	1	1	0.0	0.0
Unc. Input Power	0.0	N	1	1	1	1	0.0	0.0
Correction to the SAR results								
Deviation to Target	1.90	Ν	1	1	1	0.84	1.9	1.6
SAR scaling	0.800	R	√3	1.732	1	1	0.5	0.5
Combined Std. uncertainty							14.0	13.9
Expanded Std. uncertainty (95% confidence interval), K=2							28.0	27.8

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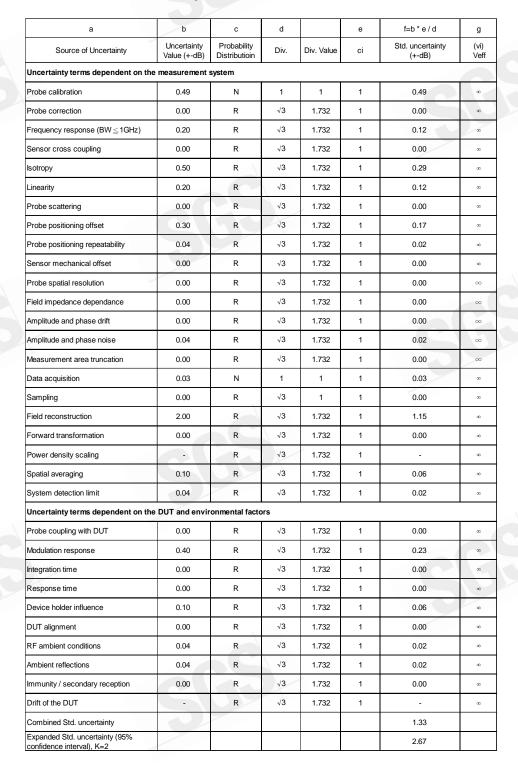
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cDASY6 Module mmWave Uncertainty Budget for PD Evaluation Distances to the Antennas $\geq \lambda/5$ In Compliance with IEC/IEEE 63195



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Appendixes

Refer to separated files for the following appendixes.

ES202220023 SAR_Appendix A Photographs

ES202220023 SAR_Appendix B DAE & Probe Cal. Certificate

ES202220023 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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