System Performance Check Report

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
,10GDevice	100.0 x 100.0 x 172.0	SN:1060	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	10.00	Validation band	CW	10000.0, 10000	1.0

Hardware Setup

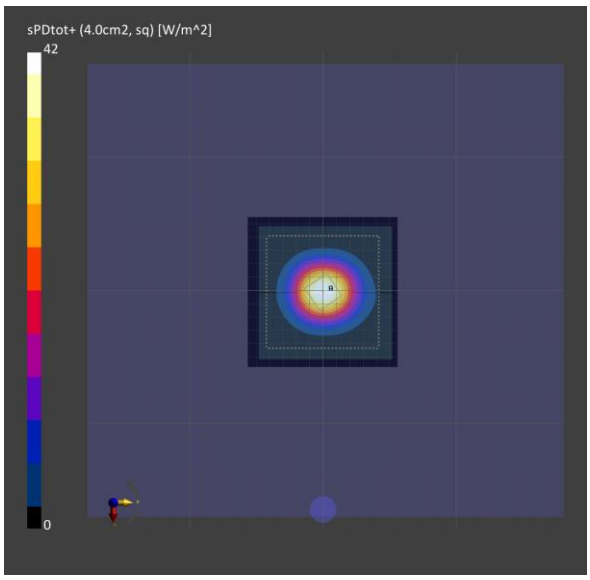
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-08-10
Avg. Area [cm^2]	1.00
psPDn+ [W/m^2]	45.7
psPDtot+ [W/m^2]	45.8
psPDmod+ [W/m^2]	45.9
E_{max} [V/m]	132
Power Drift [dB]	0.00



Appendix C. Measured Conducted Power

WLAN 2.4G:

Frequency (MHz)	Modulation	Channel	Data Rate	Conducted Avg power (dBm)	Avg Target power (dBm)
				Ant 0+1	Ant 0+1
2412	CCK	1	1	15.68	16.0
2437	CCK	6	1	15.60	16.0
2462	CCK	11	1	15.53	16.0
2412	OFDM	1	6	16.07	16.5
2437	OFDM	6	6	15.98	16.5
2462	OFDM	11	6	15.65	16.0
2412	11ax-HE20	1	MCS0	16.06	16.5
2437	11ax-HE20	6	MCS0	**16.16**	16.5
2462	11ax-HE20	11	MCS0	15.71	16.0
2422	11ax-HE40	3	MCS0	16.14	16.5
2437	11ax-HE40	6	MCS0	16.10	16.5
2452	11ax-HE40	9	MCS0	16.08	16.5

WLAN 5G:

Frequency (MHz)	Modulation	Channel	Data Rate	Conducted Avg power (dBm)	Avg Target power (dBm)
				Ant 0+1	Ant 0+1
5180	11a	36	6	16.56	17.0
5200	11a	40	6	16.48	16.5
5240	11a	48	6	16.89	17.0
5180	11ax HE20	36	MCS0	16.55	17.0
5200	11ax HE20	40	MCS0	16.49	17.0
5240	11ax HE20	48	MCS0	16.91	17.0
5190	11ax HE40	38	MCS0	16.59	17.0
5230	11ax HE40	46	MCS0	**16.95**	17.0
5210	11ax HE80	42	MCS0	16.96	17.0
5260	11a	52	6	16.40	16.5
5300	11a	60	6	17.13	17.5
5320	11a	64	6	17.00	17.5
5260	11ax HE20	52	MCS0	16.43	16.5
5300	11ax HE20	60	MCS0	**17.35**	17.5
5320	11ax HE20	64	MCS0	17.04	17.5
5270	11ax HE40	54	MCS0	16.41	16.5
5310	11ax HE40	62	MCS0	17.08	17.5
5290	11ax HE80	58	MCS0	16.00	16.5
5500	11a	100	6	16.55	17.0
5600	11a	120	6	16.82	17.0
5700	11a	140	6	16.26	16.5
5500	11ax HE20	100	MCS0	16.49	17.0
5600	11ax HE20	120	MCS0	16.86	17.0
5700	11ax HE20	140	MCS0	16.23	16.5
5510	11ax HE40	102	MCS0	**16.88**	17.0
5590	11ax HE40	118	MCS0	16.86	17.0
5670	11ax HE40	134	MCS0	16.28	16.5
5530	11ax HE80	106	MCS0	16.60	17.0
5610	11ax HE80	122	MCS0	16.68	17.0
5745	11a	149	6	17.13	17.5
5785	11a	157	6	16.58	17.0
5825	11a	165	6	16.51	17.0
5745	11ax HE20	149	MCS0	17.16	17.5
5785	11ax HE20	157	MCS0	16.56	17.0
5825	11ax HE20	165	MCS0	16.44	16.5
5755	11ax HE40	151	MCS0	**17.26**	17.5
5795	11ax HE40	159	MCS0	16.64	17.0
5775	11ax HE80	155	MCS0	17.04	17.5
5570	11ax HE160	114	MCS0	14.95	15.0

Frequency (MHz)	Modulation	Channel	Data Rate	Conducted Avg power (dBm)	Avg Target power (dBm)
				Ant 0+1	Ant 0+1
Within 5150-5250MHz band					
5250	11ax HE160	50	MCS0	13.08	13.5
Within 5470-5725MHz band & Extends across 5725MHz band					
5720	11a	144	6	16.26	16.5
5720	11ax HE20	144	MCS0	16.21	16.5
5710	11ax HE40	142	MCS0	16.22	16.5
5690	11ax HE80	138	MCS0	16.31	16.5

WLAN 6G:

Frequency	Modulation	Channel	Data Rate	EIRP power (dBm)	EIRP Target power (dBm)
				Ant 0+1	Ant 0+1
5955	11ax HE20	1	MCS0	12.63	13.0
6175	11ax HE20	45	MCS0	11.63	12.0
6415	11ax HE20	93	MCS0	13.35	13.5
5965	11ax HE40	3	MCS0	15.45	15.5
6165	11ax HE40	43	MCS0	14.53	15.0
6405	11ax HE40	91	MCS0	13.50	14.0
5985	11ax HE80	7	MCS0	16.22	16.5
6145	11ax HE80	39	MCS0	**16.60**	17.0
6385	11ax HE80	87	MCS0	16.32	16.5
6025	11ax HE160	15	MCS0	16.57	17.0
6185	11ax HE160	47	MCS0	16.35	16.5
6345	11ax HE160	79	MCS0	16.30	16.5
6435	11ax HE20	97	MCS0	11.35	11.5
6475	11ax HE20	105	MCS0	11.44	11.5
6515	11ax HE20	113	MCS0	10.91	11.0
6445	11ax HE40	99	MCS0	11.23	11.5
6485	11ax HE40	107	MCS0	10.99	11.0
6465	11ax HE80	103	MCS0	**15.84**	16.0
6535	11ax HE20	117	MCS0	7.51	8.0
6695	11ax HE20	149	MCS0	8.33	8.5
6855	11ax HE20	181	MCS0	10.18	10.5
6565	11ax HE40	123	MCS0	13.29	13.5
6685	11ax HE40	147	MCS0	10.72	11.0
6845	11ax HE40	179	MCS0	12.73	13.0
6625	11ax HE80	135	MCS0	**15.13**	15.5
6785	11ax HE80	167	MCS0	15.10	15.5
6665	11ax HE160	143	MCS0	14.73	15.0
6995	11ax HE20	209	MCS0	10.69	11.0
7115	11ax HE20	233	MCS0	9.19	9.5
6965	11ax HE40	203	MCS0	14.79	15.0
7085	11ax HE40	227	MCS0	10.01	10.5
6945	11ax HE80	199	MCS0	**16.28**	16.5
7025	11ax HE80	215	MCS0	15.89	16.0
6985	11ax HE160	207	MCS0	14.34	14.5

Frequency	Modulation	Channel	Data Rate	EIRP power (dBm)	EIRP Target power (dBm)
				Ant 0+1	Ant 0+1
Within 6425-6525MHz band & Extends across 6525MHz band					
6525	11ax HE40	115	MCS0	13.84	14.0
6545	11ax HE80	119	MCS0	12.61	13.0
6505	11ax HE160	111	MCS0	15.64	16.0
Within 6525-6875MHz band & Extends across 6875MHz band					
6875	11ax HE20	185	MCS0	10.61	11.0
6885	11ax HE40	187	MCS0	13.70	14.0
6865	11ax HE80	183	MCS0	14.28	14.5
6825	11ax HE160	175	MCS0	15.54	16.0

Appendix D. SAR Measurement Data

<SAR>

2.4G

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	Avg Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)
	WLAN 2.4GHz	802.11ax HE20	6	2437	Horizontal Up_degree 0	5	0+1	16.16	16.5	99	0.03	0.03
	WLAN 2.4GHz	802.11ax HE20	6	2437	Horizontal Up_degree90	5	0+1	16.16	16.5	99	0.011	0.01
	WLAN 2.4GHz	802.11ax HE20	6	2437	Horizontal Up_degree180	5	0+1	16.16	16.5	99	0.692	0.76
	WLAN 2.4GHz	802.11ax HE20	6	2437	Horizontal Down_degree 0	5	0+1	16.16	16.5	99	0.563	0.62
	WLAN 2.4GHz	802.11ax HE20	6	2437	Horizontal Down_degree 90	5	0+1	16.16	16.5	99	0.032	0.04
	WLAN 2.4GHz	802.11ax HE20	6	2437	Horizontal Down_degree 180	5	0+1	16.16	16.5	99	0.123	0.13
	WLAN 2.4GHz	802.11ax HE20	6	2437	Vertical Front_degree 0	5	0+1	16.16	16.5	99	0.151	0.17
	WLAN 2.4GHz	802.11ax HE20	6	2437	Vertical Front_degree 90	5	0+1	16.16	16.5	99	0.313	0.34
	WLAN 2.4GHz	802.11ax HE20	6	2437	Vertical Front_degree 180	5	0+1	16.16	16.5	99	0.226	0.25
	WLAN 2.4GHz	802.11ax HE20	6	2437	Vertical Back_degree 0	5	0+1	16.16	16.5	99	0.025	0.03
	WLAN 2.4GHz	802.11ax HE20	6	2437	Vertical Back_degree 90	5	0+1	16.16	16.5	99	0.071	0.08
	WLAN 2.4GHz	802.11ax HE20	6	2437	Vertical Back_degree 180	5	0+1	16.16	16.5	99	0.076	0.08
	WLAN 2.4GHz	802.11ax HE20	6	2437	Tip Mode_degree 0	5	0+1	16.16	16.5	99	0.003	0.00
	WLAN 2.4GHz	802.11ax HE20	1	2412	Tip Mode_degree 90	5	0+1	16.06	16.5	99	0.749	0.84
	WLAN 2.4GHz	802.11ax HE20	6	2437	Tip Mode_degree 90	5	0+1	16.16	16.5	99	0.834	0.91
1	WLAN 2.4GHz	802.11ax HE20	11	2462	Tip Mode_degree 90	5	0+1	15.71	16.0	99	0.958	**1.03**
	WLAN 2.4GHz	802.11ax HE20	6	2437	Tip Mode_degree 180	5	0+1	16.16	16.5	99	0.034	0.04

5G

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	Avg Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)
	WLAN 5GHz	802.11ax HE20	60	5300	Horizontal Up_degree 0	5	0+1	17.35	17.5	99	0.078	0.08
	WLAN 5GHz	802.11ax HE20	60	5300	Horizontal Up_degree90	5	0+1	17.35	17.5	99	0.137	0.14
	WLAN 5GHz	802.11ax HE20	60	5300	Horizontal Up_degree180	5	0+1	17.35	17.5	99	0.548	0.57
	WLAN 5GHz	802.11ax HE20	52	5260	Horizontal Down_degree 0	5	0+1	16.43	16.5	99	0.832	0.85
2	WLAN 5GHz	802.11ax HE20	60	5300	Horizontal Down_degree 0	5	0+1	17.35	17.5	99	1.05	**1.10**
	WLAN 5GHz	802.11ax HE20	64	5320	Horizontal Down_degree 0	5	0+1	17.04	17.5	99	0.945	1.06
	WLAN 5GHz	802.11ax HE20	60	5300	Horizontal Down_degree 90	5	0+1	17.35	17.5	99	0.038	0.04
	WLAN 5GHz	802.11ax HE20	60	5300	Horizontal Down_degree 180	5	0+1	17.35	17.5	99	0.145	0.15
	WLAN 5GHz	802.11ax HE20	60	5300	Vertical Front_degree 0	5	0+1	17.35	17.5	99	0.222	0.23
	WLAN 5GHz	802.11ax HE20	60	5300	Vertical Front_degree 90	5	0+1	17.35	17.5	99	0.213	0.22
	WLAN 5GHz	802.11ax HE20	60	5300	Vertical Front_degree 180	5	0+1	17.35	17.5	99	0.263	0.28
	WLAN 5GHz	802.11ax HE20	60	5300	Vertical Back_degree 0	5	0+1	17.35	17.5	99	0.114	0.12
	WLAN 5GHz	802.11ax HE20	60	5300	Vertical Back_degree 90	5	0+1	17.35	17.5	99	0.099	0.10
	WLAN 5GHz	802.11ax HE20	60	5300	Vertical Back_degree 180	5	0+1	17.35	17.5	99	0.131	0.14
	WLAN 5GHz	802.11ax HE20	60	5300	Tip Mode_degree 0	5	0+1	17.35	17.5	99	0.091	0.10
	WLAN 5GHz	802.11ax HE20	60	5300	Tip Mode_degree 90	5	0+1	17.35	17.5	99	0.634	0.66
	WLAN 5GHz	802.11ax HE20	60	5300	Tip Mode_degree 180	5	0+1	17.35	17.5	99	0.032	0.03
	WLAN 5GHz	802.11ax HE40	102	5510	Horizontal Up_degree 0	5	0+1	16.88	17	99	0.01	0.01
	WLAN 5GHz	802.11ax HE40	102	5510	Horizontal Up_degree90	5	0+1	16.88	17	99	0.001	0.00
	WLAN 5GHz	802.11ax HE40	102	5510	Horizontal Up_degree180	5	0+1	16.88	17	99	0.307	0.32
	WLAN 5GHz	802.11ax HE40	102	5510	Horizontal Down_degree 0	5	0+1	16.88	17	99	0.581	0.60
	WLAN 5GHz	802.11ax HE40	118	5590	Horizontal Down_degree 0	5	0+1	16.86	17	99	1.09	1.14
3	WLAN 5GHz	802.11ax HE40	134	5670	Horizontal Down_degree 0	5	0+1	16.28	16.5	99	1.10	**1.17**
	WLAN 5GHz	802.11ax HE40	102	5510	Horizontal Down_degree 90	5	0+1	16.88	17	99	0.043	0.05
	WLAN 5GHz	802.11ax HE40	102	5510	Horizontal Down_degree 180	5	0+1	16.88	17	99	0.125	0.13
	WLAN 5GHz	802.11ax HE40	102	5510	Vertical Front_degree 0	5	0+1	16.88	17	99	0.104	0.11
	WLAN 5GHz	802.11ax HE40	102	5510	Vertical Front_degree 90	5	0+1	16.88	17	99	0.144	0.15
	WLAN 5GHz	802.11ax HE40	102	5510	Vertical Front_degree 180	5	0+1	16.88	17	99	0.164	0.17
	WLAN 5GHz	802.11ax HE40	102	5510	Vertical Back_degree 0	5	0+1	16.88	17	99	0.038	0.04
	WLAN 5GHz	802.11ax HE40	102	5510	Vertical Back_degree 90	5	0+1	16.88	17	99	0.031	0.03
	WLAN 5GHz	802.11ax HE40	102	5510	Vertical Back_degree 180	5	0+1	16.88	17	99	0.038	0.04
	WLAN 5GHz	802.11ax HE40	102	5510	Tip Mode_degree 0	5	0+1	16.88	17	99	0.005	0.01
	WLAN 5GHz	802.11ax HE40	102	5510	Tip Mode_degree 90	5	0+1	16.88	17	99	0.515	0.53
	WLAN 5GHz	802.11ax HE40	102	5510	Tip Mode_degree 180	5	0+1	16.88	17	99	0.043	0.05
	WLAN 5GHz	802.11ax HE40	151	5755	Horizontal Up_degree 0	5	0+1	17.26	17.5	99	0.011	0.01
	WLAN 5GHz	802.11ax HE40	151	5755	Horizontal Up_degree90	5	0+1	17.26	17.5	99	0.011	0.01
	WLAN 5GHz	802.11ax HE40	151	5755	Horizontal Up_degree180	5	0+1	17.26	17.5	99	0.573	0.61
4	WLAN 5GHz	802.11ax HE40	151	5755	Horizontal Down_degree 0	5	0+1	17.26	17.5	99	1.06	**1.13**
	WLAN 5GHz	802.11ax HE40	159	5795	Horizontal Down_degree 0	5	0+1	16.64	17	99	0.747	0.82
	WLAN 5GHz	802.11ax HE40	151	5755	Horizontal Down_degree 90	5	0+1	17.26	17.5	99	0.068	0.07
	WLAN 5GHz	802.11ax HE40	151	5755	Horizontal Down_degree 180	5	0+1	17.26	17.5	99	0.151	0.16
	WLAN 5GHz	802.11ax HE40	151	5755	Vertical Front_degree 0	5	0+1	17.26	17.5	99	0.196	0.21
	WLAN 5GHz	802.11ax HE40	151	5755	Vertical Front_degree 90	5	0+1	17.26	17.5	99	0.196	0.21
	WLAN 5GHz	802.11ax HE40	151	5755	Vertical Front_degree 180	5	0+1	17.26	17.5	99	0.231	0.25
	WLAN 5GHz	802.11ax HE40	151	5755	Vertical Back_degree 0	5	0+1	17.26	17.5	99	0.052	0.06
	WLAN 5GHz	802.11ax HE40	151	5755	Vertical Back_degree 90	5	0+1	17.26	17.5	99	0.046	0.05
	WLAN 5GHz	802.11ax HE40	151	5755	Vertical Back_degree 180	5	0+1	17.26	17.5	99	0.061	0.07
	WLAN 5GHz	802.11ax HE40	151	5755	Tip Mode_degree 0	5	0+1	17.26	17.5	99	0.021	0.02
	WLAN 5GHz	802.11ax HE40	151	5755	Tip Mode_degree 90	5	0+1	17.26	17.5	99	0.538	0.57
	WLAN 5GHz	802.11ax HE40	151	5755	Tip Mode_degree 180	5	0+1	17.26	17.5	99	0.074	0.08

6G

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	Avg Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m^2 (4cm^2)	Reported APD w/m2(4cm2)
	WLAN 6GHz	802.11ax HE80	39	6145	Horizontal Up_degree 0	5	0+1	16.60	17	99	0.025	0.03	0.228	0.25
	WLAN 6GHz	802.11ax HE80	39	6145	Horizontal Up_degree90	5	0+1	16.60	17	99	0.055	0.06	0.529	0.59
	WLAN 6GHz	802.11ax HE80	39	6145	Horizontal Up_degree180	5	0+1	16.60	17	99	0.653	0.72	4.57	5.06
	WLAN 6GHz	802.11ax HE80	7	5985	Horizontal Down_degree 0	5	0+1	16.22	16.5	99	0.891	0.96	5.71	6.15
	WLAN 6GHz	802.11ax HE80	39	6145	Horizontal Down_degree 0	5	0+1	16.60	17	99	0.951	1.05	6.95	7.70
5	WLAN 6GHz	802.11ax HE80	87	6385	Horizontal Down_degree 0	5	0+1	16.32	16.5	99	1.02	**1.07**	7.36	7.75
	WLAN 6GHz	802.11ax HE80	39	6145	Horizontal Down_degree 90	5	0+1	16.60	17	99	0.047	0.05	0.458	0.51
	WLAN 6GHz	802.11ax HE80	39	6145	Horizontal Down_degree 180	5	0+1	16.60	17	99	0.132	0.15	1.11	1.23
	WLAN 6GHz	802.11ax HE80	39	6145	Vertical Front_degree 0	5	0+1	16.60	17	99	0.256	0.28	2.12	2.35
	WLAN 6GHz	802.11ax HE80	39	6145	Vertical Front_degree 90	5	0+1	16.60	17	99	0.278	0.31	2.31	2.56
	WLAN 6GHz	802.11ax HE80	39	6145	Vertical Front_degree 180	5	0+1	16.60	17	99	0.254	0.28	2.19	2.43
	WLAN 6GHz	802.11ax HE80	39	6145	Vertical Back_degree 0	5	0+1	16.60	17	99	0.056	0.06	0.408	0.45
	WLAN 6GHz	802.11ax HE80	39	6145	Vertical Back_degree 90	5	0+1	16.60	17	99	0.037	0.04	0.301	0.33
	WLAN 6GHz	802.11ax HE80	39	6145	Vertical Back_degree 180	5	0+1	16.60	17	99	0.031	0.03	0.272	0.30
	WLAN 6GHz	802.11ax HE80	39	6145	Tip Mode_degree 0	5	0+1	16.60	17	99	0.046	0.05	0.447	0.50
	WLAN 6GHz	802.11ax HE80	39	6145	Tip Mode_degree 90	5	0+1	16.60	17	99	0.572	0.63	4.02	4.45
	WLAN 6GHz	802.11ax HE80	39	6145	Tip Mode_degree 180	5	0+1	16.60	17	99	0.047	0.05	0.45	0.50
	WLAN 6GHz	802.11ax HE80	103	6465	Horizontal Up_degree 0	5	0+1	15.84	16	99	0.014	0.02	0.114	0.12
	WLAN 6GHz	802.11ax HE80	103	6465	Horizontal Up_degree90	5	0+1	15.84	16	99	0.047	0.05	0.448	0.47
	WLAN 6GHz	802.11ax HE80	103	6465	Horizontal Up_degree180	5	0+1	15.84	16	99	0.547	0.57	3.65	3.83
	WLAN 6GHz	802.11ax HE40	99	6445	Horizontal Down_degree 0	5	0+1	11.23	11.5	99	0.899	0.97	6.31	6.78
	WLAN 6GHz	802.11ax HE40	107	6485	Horizontal Down_degree 0	5	0+1	10.99	11	99	0.937	0.95	6.84	6.92
6	WLAN 6GHz	802.11ax HE80	103	6465	Horizontal Down_degree 0	5	0+1	15.84	16	99	1.08	**1.13**	7.73	8.10
	WLAN 6GHz	802.11ax HE80	103	6465	Horizontal Down_degree 90	5	0+1	15.84	16	99	0.039	0.04	0.355	0.37
	WLAN 6GHz	802.11ax HE80	103	6465	Horizontal Down_degree 180	5	0+1	15.84	16	99	0.15	0.16	1.34	1.40
	WLAN 6GHz	802.11ax HE80	103	6465	Vertical Front_degree 0	5	0+1	15.84	16	99	0.199	0.21	1.72	1.80
	WLAN 6GHz	802.11ax HE80	103	6465	Vertical Front_degree 90	5	0+1	15.84	16	99	0.364	0.38	3.07	3.22
	WLAN 6GHz	802.11ax HE80	103	6465	Vertical Front_degree 180	5	0+1	15.84	16	99	0.374	0.39	3.1	3.25
	WLAN 6GHz	802.11ax HE80	103	6465	Vertical Back_degree 0	5	0+1	15.84	16	99	0.073	0.08	0.581	0.61
	WLAN 6GHz	802.11ax HE80	103	6465	Vertical Back_degree 90	5	0+1	15.84	16	99	0.055	0.06	0.449	0.47
	WLAN 6GHz	802.11ax HE80	103	6465	Vertical Back_degree 180	5	0+1	15.84	16	99	0.046	0.05	0.393	0.41
	WLAN 6GHz	802.11ax HE80	103	6465	Tip Mode_degree 0	5	0+1	15.84	16	99	0.054	0.06	0.501	0.53
	WLAN 6GHz	802.11ax HE80	103	6465	Tip Mode_degree 90	5	0+1	15.84	16	99	0.437	0.46	3.18	3.33
	WLAN 6GHz	802.11ax HE80	103	6465	Tip Mode_degree 180	5	0+1	15.84	16	99	0.043	0.05	0.412	0.43

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	Avg Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m^2 (4cm^2)	Reported APD w/m2(4cm2)
	WLAN 6GHz	802.11ax HE80	135	6625	Horizontal Up_degree 0	5	0+1	15.13	15.5	99	0.013	0.01	0.119	0.13
	WLAN 6GHz	802.11ax HE80	135	6625	Horizontal Up_degree90	5	0+1	15.13	15.5	99	0.033	0.04	0.311	0.34
	WLAN 6GHz	802.11ax HE80	135	6625	Horizontal Up_degree180	5	0+1	15.13	15.5	99	0.445	0.49	2.97	3.27
	WLAN 6GHz	802.11ax HE80	135	6625	Horizontal Down_degree 0	5	0+1	15.13	15.5	99	0.97	1.07	6.63	7.29
7	WLAN 6GHz	802.11ax HE80	167	6785	Horizontal Down_degree 0	5	0+1	15.1	15.5	99	1.00	**1.11**	6.86	7.60
	WLAN 6GHz	802.11ax HE80	135	6625	Horizontal Down_degree 90	5	0+1	15.13	15.5	99	0.047	0.05	0.415	0.46
	WLAN 6GHz	802.11ax HE80	135	6625	Horizontal Down_degree 180	5	0+1	15.13	15.5	99	0.132	0.15	1.18	1.30
	WLAN 6GHz	802.11ax HE80	135	6625	Vertical Front_degree 0	5	0+1	15.13	15.5	99	0.279	0.31	2.32	2.55
	WLAN 6GHz	802.11ax HE80	135	6625	Vertical Front_degree 90	5	0+1	15.13	15.5	99	0.255	0.28	2.19	2.41
	WLAN 6GHz	802.11ax HE80	135	6625	Vertical Front_degree 180	5	0+1	15.13	15.5	99	0.279	0.31	2.36	2.60
	WLAN 6GHz	802.11ax HE80	135	6625	Vertical Back_degree 0	5	0+1	15.13	15.5	99	0.059	0.07	0.464	0.51
	WLAN 6GHz	802.11ax HE80	135	6625	Vertical Back_degree 90	5	0+1	15.13	15.5	99	0.071	0.08	0.538	0.59
	WLAN 6GHz	802.11ax HE80	135	6625	Vertical Back_degree 180	5	0+1	15.13	15.5	99	0.065	0.07	0.513	0.56
	WLAN 6GHz	802.11ax HE80	135	6625	Tip Mode_degree 0	5	0+1	15.13	15.5	99	0.044	0.05	0.406	0.45
	WLAN 6GHz	802.11ax HE80	135	6625	Tip Mode_degree 90	5	0+1	15.13	15.5	99	0.373	0.41	2.6	2.86
	WLAN 6GHz	802.11ax HE80	135	6625	Tip Mode_degree 180	5	0+1	15.13	15.5	99	0.039	0.04	0.371	0.41
	WLAN 6GHz	802.11ax HE80	199	6945	Horizontal Up_degree 0	5	0+1	16.28	16.5	99	0.05	0.05	0.418	0.44
	WLAN 6GHz	802.11ax HE80	199	6945	Horizontal Up_degree90	5	0+1	16.28	16.5	99	0.078	0.08	0.652	0.69
	WLAN 6GHz	802.11ax HE80	199	6945	Horizontal Up_degree180	5	0+1	16.28	16.5	99	0.478	0.51	3.26	3.46
8	WLAN 6GHz	802.11ax HE80	199	6945	Horizontal Down_degree 0	5	0+1	16.28	16.5	99	1.05	**1.12**	7.63	8.11
	WLAN 6GHz	802.11ax HE80	215	7025	Horizontal Down_degree 0	5	0+1	15.89	16	99	1.04	1.08	6.85	7.10
	WLAN 6GHz	802.11ax HE80	199	6945	Horizontal Down_degree 90	5	0+1	16.28	16.5	99	0.054	0.06	0.489	0.52
	WLAN 6GHz	802.11ax HE80	199	6945	Horizontal Down_degree 180	5	0+1	16.28	16.5	99	0.174	0.19	1.51	1.60
	WLAN 6GHz	802.11ax HE80	199	6945	Vertical Front_degree 0	5	0+1	16.28	16.5	99	0.338	0.36	2.95	3.13
	WLAN 6GHz	802.11ax HE80	199	6945	Vertical Front_degree 90	5	0+1	16.28	16.5	99	0.356	0.38	2.96	3.15
	WLAN 6GHz	802.11ax HE80	199	6945	Vertical Front_degree 180	5	0+1	16.28	16.5	99	0.37	0.39	3.01	3.20
	WLAN 6GHz	802.11ax HE80	199	6945	Vertical Back_degree 0	5	0+1	16.28	16.5	99	0.064	0.07	0.531	0.56
	WLAN 6GHz	802.11ax HE80	199	6945	Vertical Back_degree 90	5	0+1	16.28	16.5	99	0.047	0.05	0.39	0.41
	WLAN 6GHz	802.11ax HE80	199	6945	Vertical Back_degree 180	5	0+1	16.28	16.5	99	0.045	0.05	0.335	0.36
	WLAN 6GHz	802.11ax HE80	199	6945	Tip Mode_degree 0	5	0+1	16.28	16.5	99	0.04	0.04	0.398	0.42
	WLAN 6GHz	802.11ax HE80	199	6945	Tip Mode_degree 90	5	0+1	16.28	16.5	99	0.317	0.34	2.32	2.47
	WLAN 6GHz	802.11ax HE80	199	6945	Tip Mode_degree 180	5	0+1	16.28	16.5	99	0.069	0.07	0.605	0.64

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	Avg Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	APD w/m^2 (4cm^2)	Reported APD w/m2(4cm2)	Grid Step [λ]	iPDn	Scaling Factor for Measurement Uncertainty	Total psPD w/m^2 (4cm^2)	Scaled Total psPD w/m^2 (4cm^2)
9	WLAN 6GHz	802.11ax HE80	87	6385	Horizontal Down_degree 0	5	0+1	16.32	16.5	99	7.36	7.75	0.0625	4.93	1.55	4.2	6.85
	WLAN 6GHz	802.11ax HE40	99	6445	Horizontal Down_degree 0	5	0+1	11.23	11.5	99	6.31	6.78	0.0625	4.66	1.55	5.58	9.30
	WLAN 6GHz	802.11ax HE40	107	6485	Horizontal Down_degree 0	5	0+1	10.99	11	99	6.84	6.92	0.0625	6.48	1.55	4.56	7.16
10	WLAN 6GHz	802.11ax HE80	103	6465	Horizontal Down_degree 0	5	0+1	15.84	16	99	7.73	8.10	0.0625	4.23	1.55	5.12	8.32
11	WLAN 6GHz	802.11ax HE80	167	6785	Horizontal Down_degree 0	5	0+1	15.1	15.5	99	6.86	7.60	0.0625	4.27	1.55	4.36	7.48
12	WLAN 6GHz	802.11ax HE80	199	6945	Horizontal Down_degree 0	5	0+1	16.28	16.5	99	7.63	8.11	0.0625	4.31	1.55	4.04	6.65

01_WLAN 2.4 GHz_802.11AX20_CH11_MCS0_Tip Mode degree 90_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	7.26	1.89	40.5

Hardware Setup

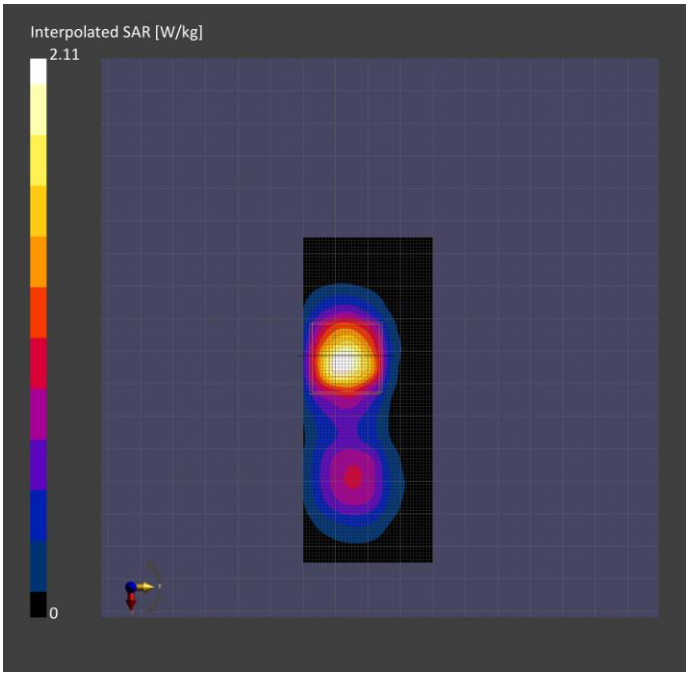
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL2450	EX3DV4 - SN7375, 2022-12-30	DAE4 Sn916, 2022-12-10

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 40.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-06-30	2023-06-30
psSAR1g [W/kg]	0.933	0.958
psSAR10g [W/kg]	0.401	0.394
Power Drift [dB]	0.05	-0.16
M2/M1 [%]		77.0
Dist 3dB Peak [mm]		8.0



02_WLAN 5 GHz_802.11AX20_CH60_MCS0_Horizontal Down degree 0_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	WLAN 5GHz	WLAN, 10683-AAC	5300.0, 60	5.29	4.76	37.0

Hardware Setup

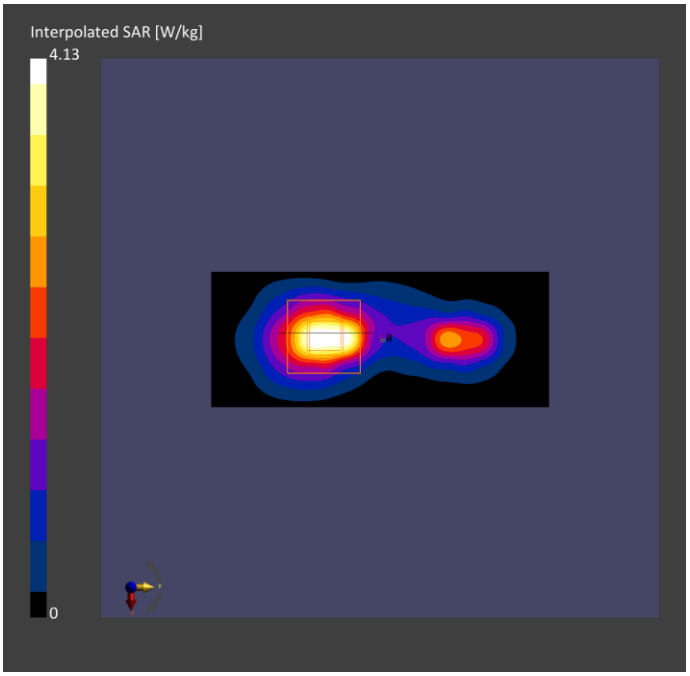
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN7375, 2022-12-30	DAE4 Sn916, 2022-12-10

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 100.0	24.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-01	2023-07-01
psSAR1g [W/kg]	0.986	1.05
psSAR10g [W/kg]	0.320	0.332
Power Drift [dB]	-0.13	0.54
M2/M1 [%]		64.1
Dist 3dB Peak [mm]		6.6



03_WLAN 5 GHz_802.11AX40_CH134_MCS0_Horizontal Down degree 0_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	WLAN 5GHz	WLAN, 10707-AAC	5670.0, 134	4.65	5.11	35.3

Hardware Setup

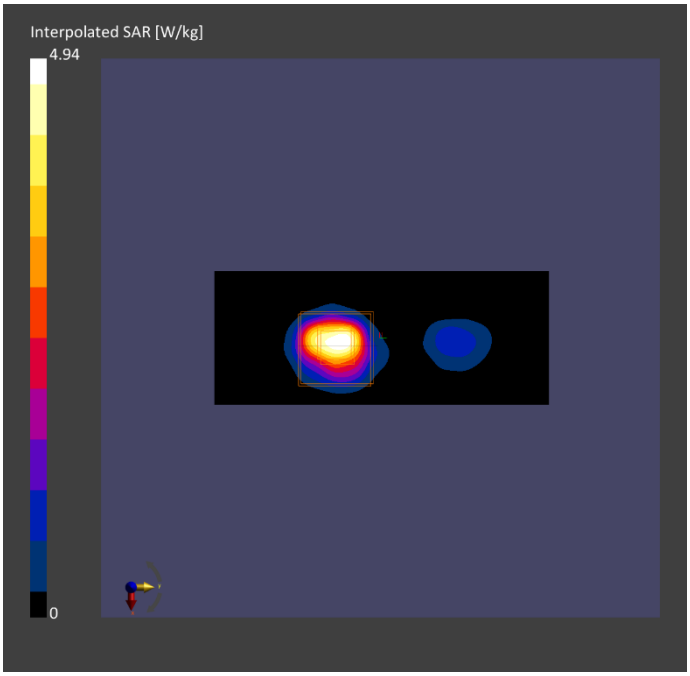
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN7375, 2022-12-30	DAE4 Sn916, 2022-12-10

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 100.0	24.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-04	2023-07-04
psSAR1g [W/kg]	0.943	1.10
psSAR10g [W/kg]	0.247	0.262
Power Drift [dB]	0.08	0.15
M2/M1 [%]		61.5
Dist 3dB Peak [mm]		6.1



04_WLAN 5 GHz_802.11AX40_CH151_MCS0_Horizontal Down degree 0_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	WLAN 5GHz	WLAN, 10707-AAC	5755.0, 151	4.69	5.19	35.2

Hardware Setup

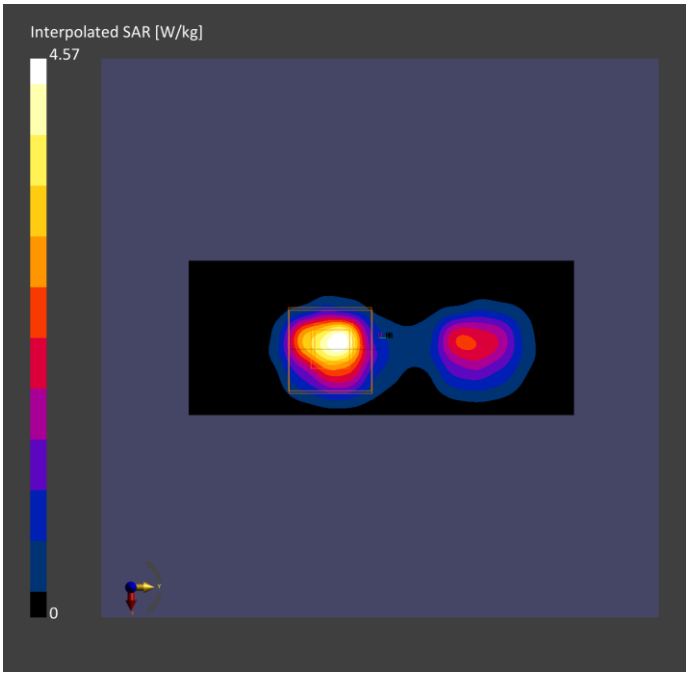
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN7375, 2022-12-30	DAE4 Sn916, 2022-12-10

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 100.0	24.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-05	2023-07-05
psSAR1g [W/kg]	0.903	1.06
psSAR10g [W/kg]	0.252	0.276
Power Drift [dB]	0.03	0.18
M2/M1 [%]		61.8
Dist 3dB Peak [mm]		6.4



05_WLAN 6 GHz_802.11AX80_CH87_MCS0_Horizontal Down degree 0_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	U-NII-5	WLAN, 10731-AAC	6385.0, 87	5.51	5.77	34.3

Hardware Setup

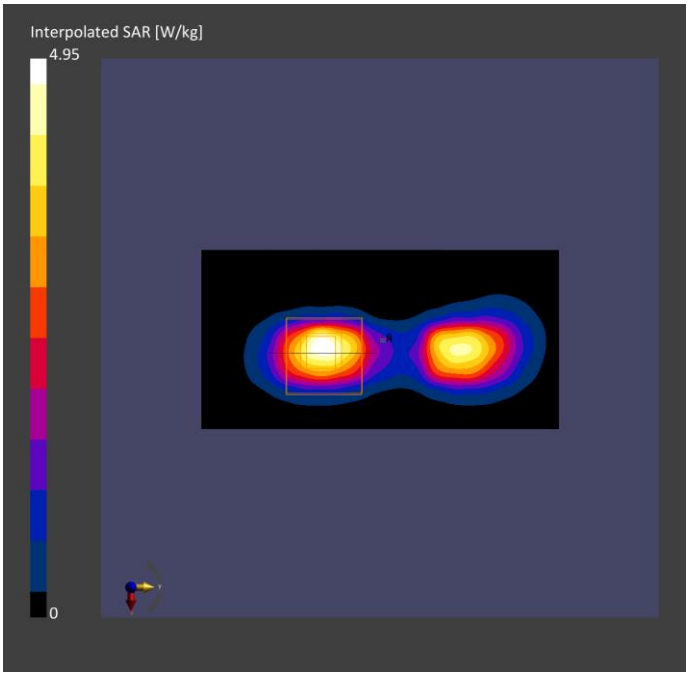
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-11	2023-07-11
psSAR1g [W/kg]	1.04	1.02
psSAR10g [W/kg]	0.321	0.306
Power Drift [dB]	0.06	-0.02
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		6.7



06_WLAN 6 GHz_802.11AX80_CH103_MCS0_Horizontal Down degree 0_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	U-NII-6	WLAN, 10731-AAC	6465.0, 103	5.51	6.09	33.8

Hardware Setup

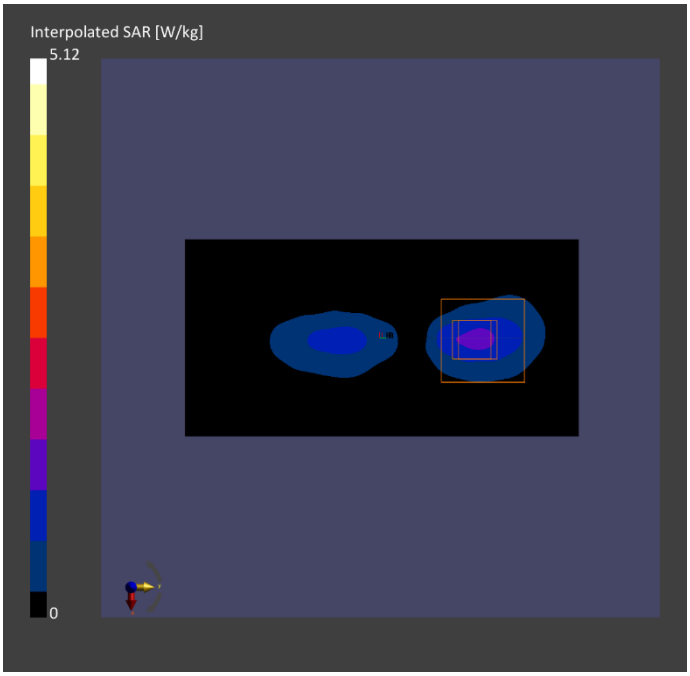
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-17	2023-07-17
psSAR1g [W/kg]	1.03	1.08
psSAR10g [W/kg]	0.322	0.337
Power Drift [dB]	0.04	-0.07
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		6.8



07_WLAN 6 GHz_802.11AX80_CH167_MCS0_Horizontal Down degree 0_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	U-NII-7	WLAN, 10731-AAC	6785.0, 167	5.51	6.20	32.5

Hardware Setup

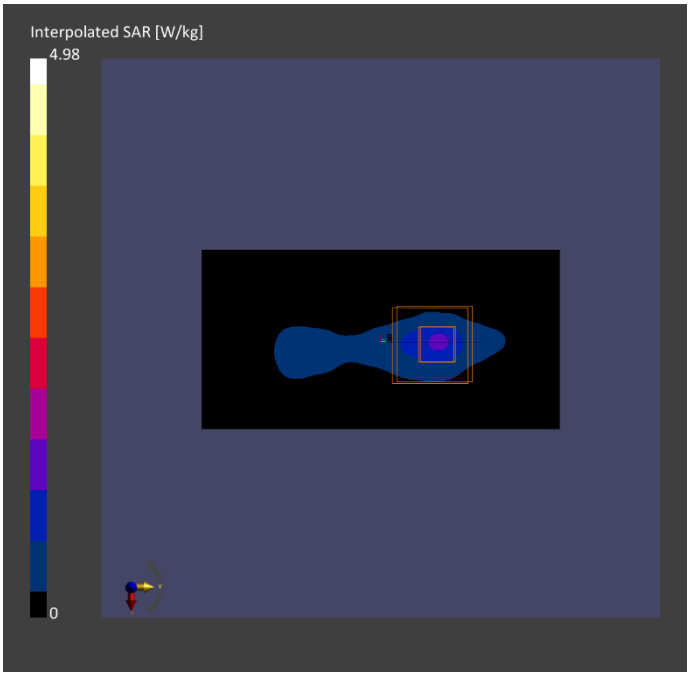
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-18	2023-07-18
psSAR1g [W/kg]	0.971	1.00
psSAR10g [W/kg]	0.292	0.297
Power Drift [dB]	-0.04	0.27
M2/M1 [%]		53.6
Dist 3dB Peak [mm]		7.1



08_WLAN 6 GHz_802.11AX80_CH199_MCS0_Horizontal Down degree 0_5mm_ANT 0+1

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	U-NII-8	WLAN, 10731-AAC	6945.0, 199	5.51	6.35	32.9

Hardware Setup

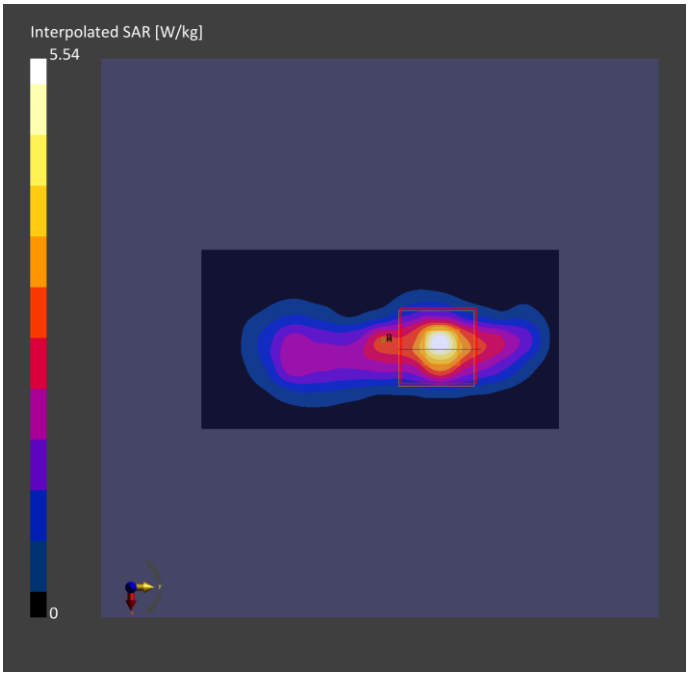
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-19	2023-09-19
psSAR1g [W/kg]	0.952	1.05
psSAR10g [W/kg]	0.283	0.294
Power Drift [dB]	0.23	-0.05
M2/M1 [%]		48.6
Dist 3dB Peak [mm]		6.5



09_Measurement Report for Device, FRONT, U-NII-5, UID 10731 AAC, Channel 87 (6385.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	88.0 x 29.0 x 21.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-5	WLAN, 10731-AAC	6385.0, 87	1.0

Hardware Setup

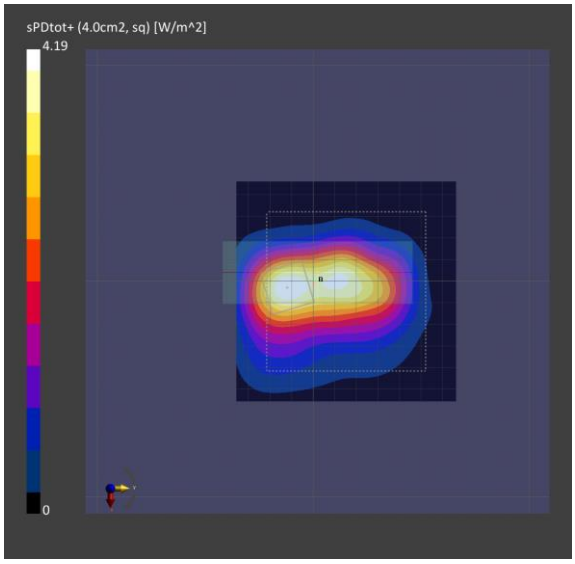
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-08-10
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	4.04
psPDtot+ [W/m^2]	4.20
psPDmod+ [W/m^2]	4.65
E_{max} [V/m]	56.5
Power Drift [dB]	0.05



10_Measurement Report for Device, FRONT, U-NII-6, UID 10707 AAC, Channel 99 (6445.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	88.0 x 29.0 x 21.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-6	WLAN, 10707-AAC	6445.0, 99	1.0

Hardware Setup

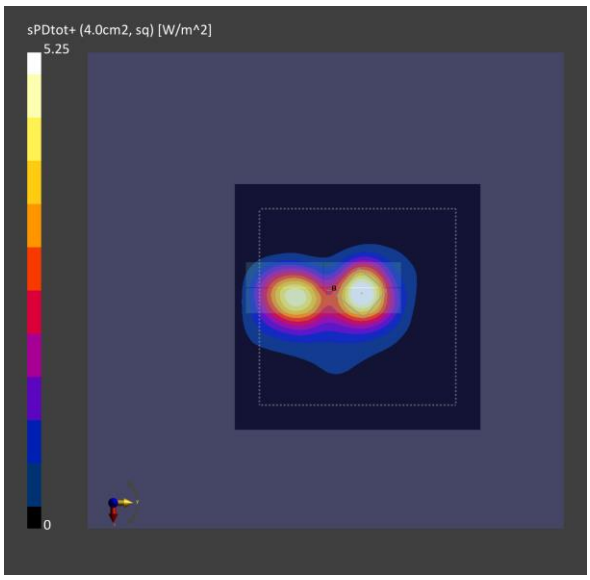
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-08-10
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	5.32
psPDtot+ [W/m^2]	5.58
psPDmod+ [W/m^2]	6.11
E_{max} [V/m]	67.1
Power Drift [dB]	0.18



11_Measurement Report for Device, FRONT, U-NII-7, UID 10731 AAC, Channel 167 (6785.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	88.0 x 29.0 x 21.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-7	WLAN, 10731-AAC	6785.0, 167	1.0

Hardware Setup

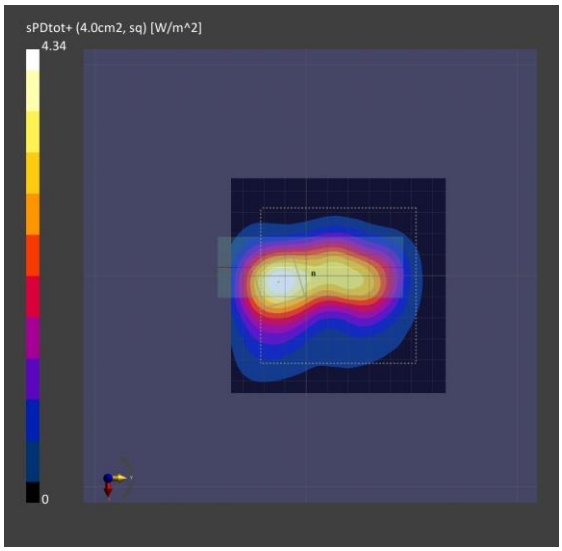
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-08-10
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	4.04
psPDtot+ [W/m^2]	4.36
psPDmod+ [W/m^2]	4.77
E_{max} [V/m]	57.2
Power Drift [dB]	0.07



12_Measurement Report for Device, FRONT, U-NII-8, UID 10731 AAC, Channel 199 (6945.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	88.0 x 29.0 x 21.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-8	WLAN, 10731-AAC	6945.0, 199	1.0

Hardware Setup

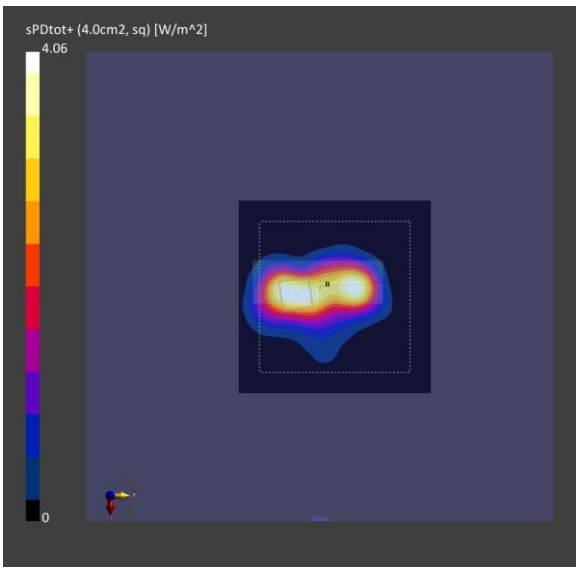
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

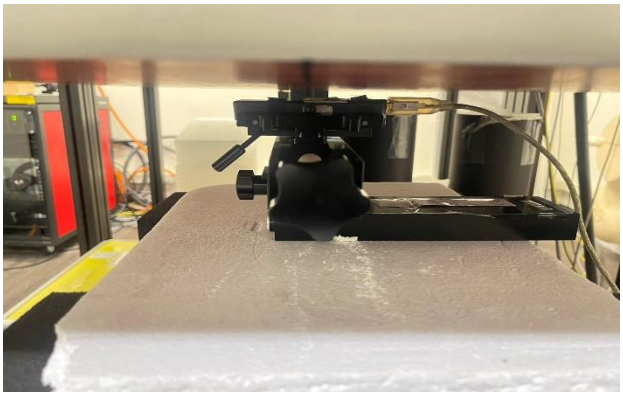
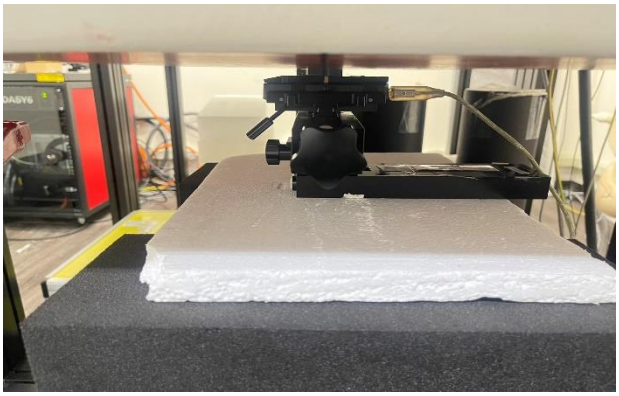
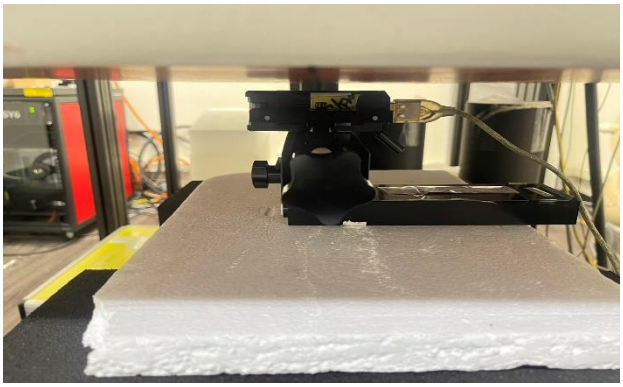
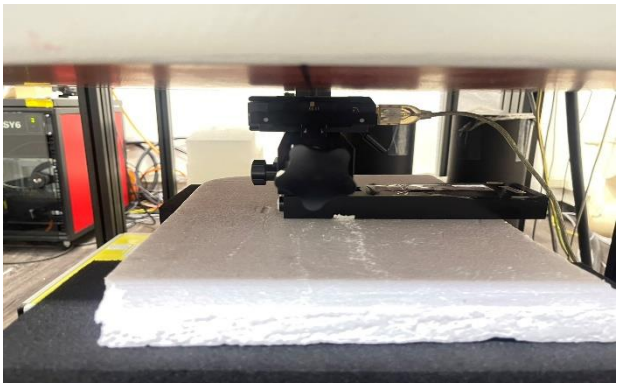
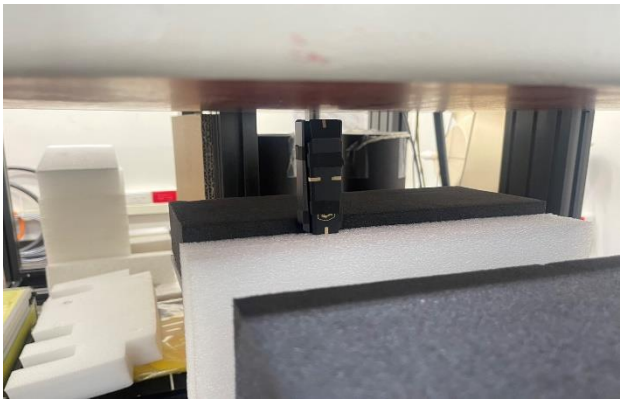
Measurement Results

	5G Scan
Date	2023-08-10
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	3.71
psPDtot+ [W/m^2]	4.04
psPDmod+ [W/m^2]	4.82
E_{max} [V/m]	67.5
Power Drift [dB]	-0.36

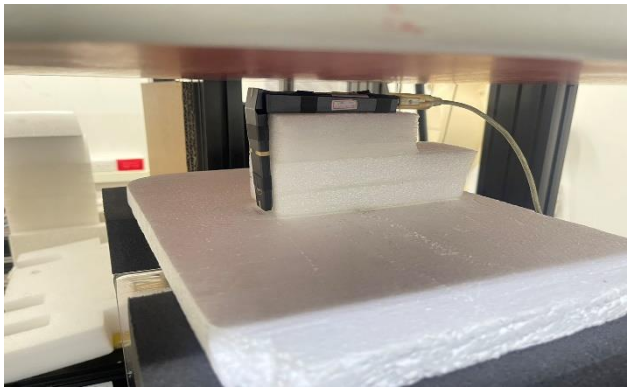
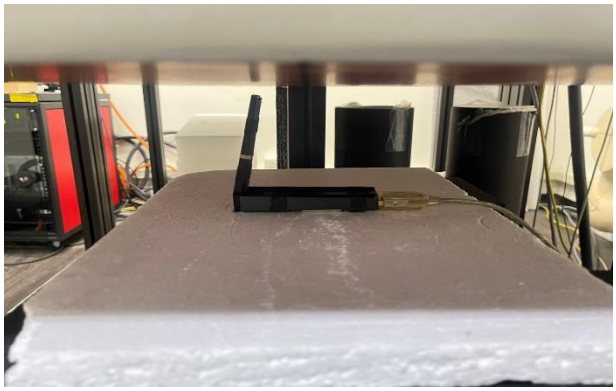
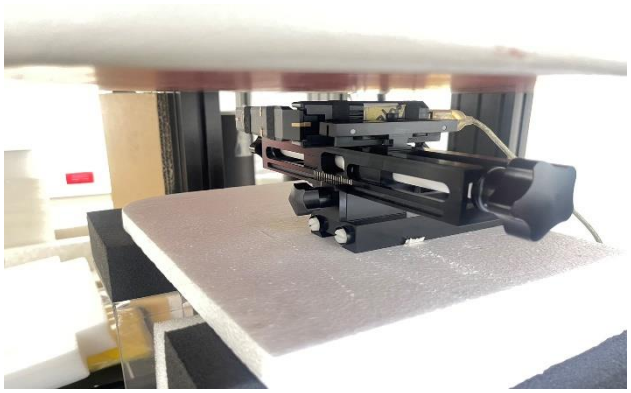
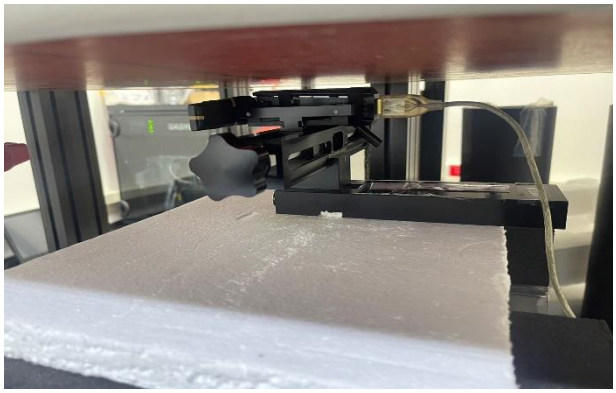


Appendix E. Photographs of EUT Set up

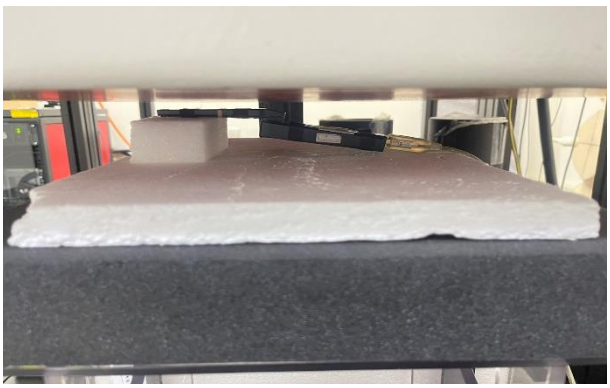
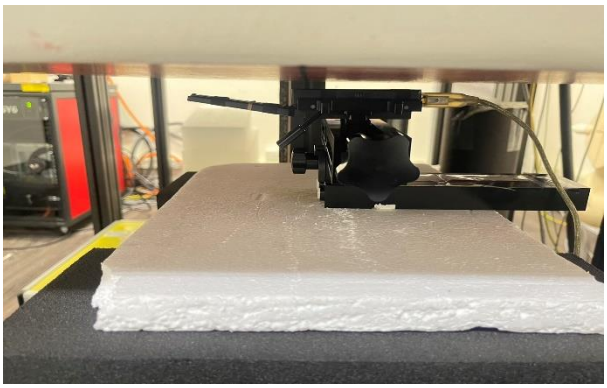
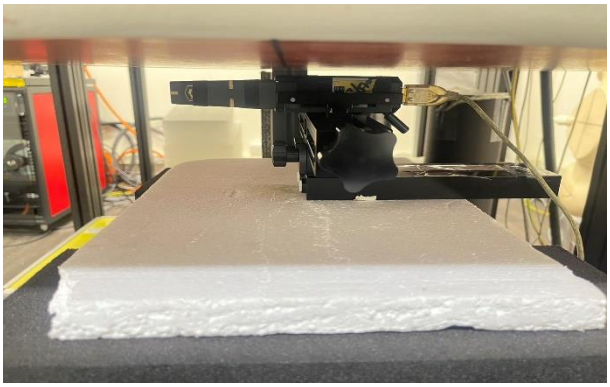
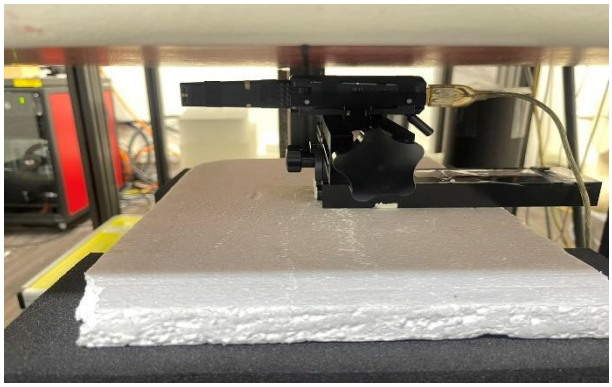
<0 Degree 5mm>

Horizontal-Up	Horizontal-Down
	
Vertical-Front	**Vertical-Back**
	
Tip Mode	
	

<90 Degree 5mm>

Horizontal-Up	Horizontal-Down
	
Vertical-Front	**Vertical-Back**
	
Tip Mode	
	

<180 Degree 5mm>

Horizontal-Up	Horizontal-Down
	
Vertical-Front	**Vertical-Back**
	
Tip Mode	
	

<0 Degree 2mm>

Horizontal-Down	Horizontal-Down