

Annex D – Liquid and System Validation

Liquid Validation

; Name : DAK 3.5 Head 22 deg.C 2024-Dec-26 21:23:53						
; Date : 2024-Dec-26 21:23:53						
; Temperature(C) : 22						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
500	0.8253	-0.2056	40.9881	28.0805	0.7811	0.6851
537	0.82	-0.2194	40.8945	26.5448	0.7924	0.6491
537	0.8199	-0.2194	40.8942	26.5399	0.7925	0.649
537	0.8199	-0.2194	40.8938	26.5347	0.7925	0.6489
537	0.8199	-0.2195	40.8938	26.5298	0.7926	0.6487
537	0.8199	-0.2195	40.8938	26.5246	0.7926	0.6486
537	0.8199	-0.2196	40.8934	26.5196	0.7926	0.6485
537	0.8199	-0.2196	40.893	26.5142	0.7926	0.6484
538	0.8198	-0.2197	40.8929	26.5086	0.7927	0.6482
538	0.8198	-0.2197	40.8922	26.5033	0.7927	0.6481
538	0.8198	-0.2198	40.8919	26.4982	0.7927	0.648
538	0.8198	-0.2198	40.8911	26.4935	0.7928	0.6479
538	0.8198	-0.2199	40.8906	26.4886	0.7928	0.6478
538	0.8197	-0.2199	40.8899	26.4837	0.7928	0.6477
538	0.8197	-0.2199	40.889	26.4781	0.7928	0.6476
538	0.8197	-0.22	40.8883	26.4724	0.7929	0.6474
538	0.8197	-0.22	40.8879	26.467	0.7929	0.6473
572	0.815	-0.232	40.7523	25.2278	0.8021	0.6191
572	0.8149	-0.232	40.7521	25.2237	0.8021	0.619
572	0.8149	-0.2321	40.7519	25.2197	0.8022	0.6189
572	0.8149	-0.2321	40.7517	25.2157	0.8022	0.6188
572	0.8148	-0.2322	40.7514	25.2117	0.8023	0.6187
572	0.8148	-0.2322	40.7511	25.2077	0.8023	0.6186
572	0.8148	-0.2322	40.7507	25.2036	0.8024	0.6185
572	0.8148	-0.2323	40.7503	25.1992	0.8024	0.6184
572	0.8148	-0.2323	40.7499	25.1945	0.8024	0.6183
573	0.8148	-0.2324	40.7495	25.1897	0.8024	0.6182
573	0.8148	-0.2324	40.749	25.185	0.8025	0.6181
573	0.8147	-0.2325	40.7486	25.18	0.8025	0.6179
573	0.8147	-0.2325	40.748	25.175	0.8025	0.6178
573	0.8147	-0.2326	40.7475	25.1699	0.8025	0.6177

573	0.8147	-0.2326	40.7472	25.165	0.8025	0.6176
573	0.8147	-0.2326	40.7468	25.1605	0.8026	0.6175
600	0.8106	-0.2422	40.6946	24.3118	0.8108	0.5974
600	0.8106	-0.2423	40.6941	24.3079	0.8109	0.5973
600	0.8105	-0.2423	40.6937	24.304	0.8109	0.5972
600	0.8105	-0.2424	40.6932	24.3003	0.8109	0.5972
600	0.8105	-0.2424	40.6927	24.2967	0.811	0.5971
600	0.8105	-0.2424	40.6921	24.2929	0.811	0.597
600	0.8105	-0.2425	40.6917	24.2891	0.8111	0.5969
600	0.8104	-0.2425	40.6912	24.2854	0.8111	0.5968
600	0.8104	-0.2426	40.6905	24.2818	0.8112	0.5967
608	0.8093	-0.245	40.6584	24.0727	0.8136	0.5921
608	0.8093	-0.245	40.6577	24.0689	0.8136	0.592
608	0.8092	-0.2451	40.657	24.0652	0.8136	0.5919
608	0.8092	-0.2451	40.6564	24.0614	0.8137	0.5918
608	0.8092	-0.2452	40.6558	24.0577	0.8137	0.5917
608	0.8092	-0.2452	40.6553	24.054	0.8138	0.5917
608	0.8092	-0.2453	40.6546	24.0504	0.8138	0.5916
608	0.8091	-0.2453	40.6542	24.0469	0.8139	0.5915
608	0.8091	-0.2454	40.6536	24.0432	0.8139	0.5914
614	0.8083	-0.2471	40.6341	23.8963	0.8156	0.5881
614	0.8083	-0.2471	40.6336	23.8925	0.8156	0.588
614	0.8083	-0.2472	40.6333	23.8889	0.8157	0.5879
614	0.8083	-0.2472	40.6328	23.8851	0.8157	0.5878
614	0.8083	-0.2473	40.6324	23.8815	0.8157	0.5877
614	0.8082	-0.2473	40.6321	23.8778	0.8158	0.5877
614	0.8082	-0.2474	40.6318	23.8742	0.8158	0.5876
614	0.8082	-0.2474	40.6316	23.8706	0.8159	0.5875
614	0.8082	-0.2475	40.6314	23.8669	0.8159	0.5874
615	0.8081	-0.2475	40.6314	23.8633	0.8159	0.5873
615	0.8081	-0.2476	40.6314	23.8597	0.816	0.5872
615	0.8081	-0.2476	40.6312	23.8561	0.816	0.5871
615	0.8081	-0.2477	40.6309	23.8525	0.8161	0.5871
615	0.8081	-0.2477	40.6306	23.849	0.8161	0.587
615	0.808	-0.2477	40.6302	23.8453	0.8162	0.5869
615	0.808	-0.2478	40.6297	23.8417	0.8162	0.5868
616	0.808	-0.2478	40.6291	23.8381	0.8162	0.5867
616	0.808	-0.2479	40.6286	23.8344	0.8163	0.5866
616	0.808	-0.2479	40.6279	23.8307	0.8163	0.5866
616	0.8079	-0.248	40.6274	23.8271	0.8164	0.5865
616	0.8079	-0.248	40.6269	23.8236	0.8164	0.5864

616	0.8079	-0.248	40.6264	23.8199	0.8164	0.5863
616	0.8079	-0.2481	40.626	23.8164	0.8165	0.5862
616	0.8079	-0.2481	40.6258	23.8129	0.8165	0.5862
616	0.8078	-0.2482	40.6255	23.8092	0.8166	0.5861
653	0.8022	-0.261	40.5191	22.7809	0.8271	0.5622
653	0.8021	-0.261	40.5191	22.7776	0.8271	0.5621
653	0.8021	-0.2611	40.5192	22.7741	0.8272	0.5621
653	0.8021	-0.2611	40.5192	22.7707	0.8272	0.562
653	0.802	-0.2612	40.5192	22.7674	0.8272	0.5619
653	0.8021	-0.2612	40.5193	22.7637	0.8273	0.5618
653	0.802	-0.2613	40.5192	22.7598	0.8273	0.5617
658	0.8014	-0.2627	40.501	22.6499	0.8285	0.5592
658	0.8014	-0.2627	40.5004	22.6465	0.8285	0.5592
658	0.8013	-0.2628	40.5002	22.6432	0.8285	0.5591
658	0.8013	-0.2628	40.4999	22.6395	0.8286	0.559
658	0.8013	-0.2629	40.4996	22.6358	0.8286	0.5589
658	0.8013	-0.2629	40.4988	22.6326	0.8286	0.5588
658	0.8013	-0.263	40.4983	22.6294	0.8287	0.5588
658	0.8013	-0.263	40.4977	22.6263	0.8287	0.5587
658	0.8012	-0.263	40.497	22.6231	0.8288	0.5586
663	0.8006	-0.2645	40.4817	22.5181	0.8301	0.5563
663	0.8005	-0.2645	40.4811	22.5149	0.8301	0.5562
663	0.8005	-0.2645	40.4805	22.5119	0.8302	0.5561
663	0.8005	-0.2646	40.4801	22.509	0.8302	0.556
663	0.8005	-0.2646	40.4796	22.5056	0.8302	0.556
663	0.8004	-0.2647	40.4793	22.5029	0.8303	0.5559
663	0.8004	-0.2647	40.4791	22.4998	0.8303	0.5558
700	0.7943	-0.2775	40.3961	21.6192	0.8419	0.5352

Measurement Report for (600.000MHz)
Exposure Conditions

Phantom Section, TSL	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	600.000,	9.74	0.811	40.7

Hardware Setup

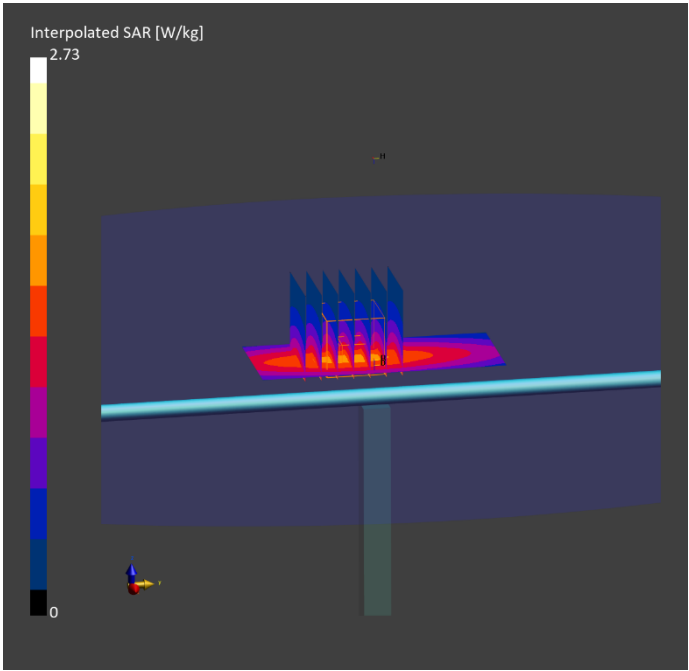
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Dec-26	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2023-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-26, 22:05	2024-12-26, 22:14
psSAR1g [W/kg]	1.55	1.63
psSAR10g [W/kg]	1.06	1.09
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		79.0
Dist 3dB Peak [mm]		> 15.0



; Name : DAK 3.5 Head 20 deg.C 2024-Dec-31 15:21:08						
; Date : 2024-Dec-31 15:21:08						
; Temperature(C) : 20						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
MHz	RefIR	ReflI	EpsR	EpsI	Sigma	TanD
500	0.8291	-0.2094	41.5502	27.1663	0.7556	0.6538
537	0.8235	-0.2236	41.5238	25.6986	0.7672	0.6189
537	0.8235	-0.2237	41.5232	25.6939	0.7672	0.6188
537	0.8235	-0.2237	41.5231	25.6886	0.7672	0.6187
537	0.8235	-0.2238	41.5226	25.6834	0.7673	0.6185
537	0.8234	-0.2238	41.522	25.6785	0.7673	0.6184
537	0.8234	-0.2239	41.5217	25.6736	0.7673	0.6183
537	0.8234	-0.2239	41.5213	25.6686	0.7674	0.6182
538	0.8234	-0.224	41.5206	25.6638	0.7674	0.6181
538	0.8233	-0.224	41.5199	25.6591	0.7674	0.618
538	0.8233	-0.2241	41.5194	25.6543	0.7675	0.6179
538	0.8233	-0.2241	41.5188	25.6494	0.7675	0.6178
538	0.8233	-0.2242	41.518	25.6437	0.7675	0.6177
538	0.8233	-0.2242	41.5168	25.6383	0.7675	0.6175
538	0.8233	-0.2242	41.5158	25.6325	0.7675	0.6174
538	0.8233	-0.2243	41.5147	25.6268	0.7675	0.6173
538	0.8232	-0.2243	41.5137	25.6212	0.7675	0.6172
572	0.8181	-0.2354	41.2017	24.5201	0.7796	0.5951
572	0.8181	-0.2354	41.2006	24.5165	0.7796	0.5951
572	0.8181	-0.2355	41.1996	24.513	0.7797	0.595
572	0.8181	-0.2355	41.1983	24.5091	0.7797	0.5949
572	0.8181	-0.2356	41.197	24.5053	0.7798	0.5948
572	0.818	-0.2356	41.1954	24.5013	0.7798	0.5948
572	0.818	-0.2356	41.1939	24.4971	0.7799	0.5947
572	0.818	-0.2357	41.1924	24.4931	0.7799	0.5946
572	0.818	-0.2357	41.1909	24.4887	0.7799	0.5945
573	0.818	-0.2358	41.1893	24.4842	0.78	0.5944
573	0.818	-0.2358	41.1876	24.4801	0.78	0.5944
573	0.8179	-0.2359	41.1862	24.4761	0.78	0.5943
573	0.8179	-0.2359	41.1848	24.4726	0.7801	0.5942
573	0.8179	-0.2359	41.1838	24.4687	0.7802	0.5941
573	0.8179	-0.236	41.1825	24.4653	0.7802	0.5941
573	0.8178	-0.236	41.1815	24.462	0.7803	0.594
600	0.8132	-0.2451	41.0523	23.7488	0.792	0.5785

600	0.8132	-0.2452	41.0521	23.7453	0.7921	0.5784
600	0.8132	-0.2452	41.052	23.7417	0.7921	0.5783
600	0.8131	-0.2453	41.0519	23.7383	0.7922	0.5783
600	0.8131	-0.2453	41.0519	23.735	0.7922	0.5782
600	0.8131	-0.2453	41.0517	23.7317	0.7923	0.5781
600	0.8131	-0.2454	41.0515	23.7284	0.7924	0.578
600	0.813	-0.2454	41.0513	23.7252	0.7924	0.5779
600	0.813	-0.2455	41.0511	23.7218	0.7925	0.5779
608	0.8118	-0.2481	41.046	23.5323	0.7953	0.5733
608	0.8117	-0.2481	41.0459	23.529	0.7954	0.5732
608	0.8117	-0.2482	41.0459	23.5255	0.7954	0.5731
608	0.8117	-0.2482	41.0459	23.522	0.7954	0.5731
608	0.8117	-0.2483	41.0461	23.5186	0.7955	0.573
608	0.8117	-0.2483	41.0462	23.5152	0.7955	0.5729
608	0.8116	-0.2484	41.0463	23.5117	0.7956	0.5728
608	0.8116	-0.2484	41.0463	23.5084	0.7956	0.5727
608	0.8116	-0.2485	41.0465	23.5052	0.7957	0.5726
614	0.8107	-0.2504	41.0539	23.3686	0.7976	0.5692
614	0.8107	-0.2504	41.0541	23.3652	0.7976	0.5691
614	0.8106	-0.2505	41.0544	23.3618	0.7977	0.569
614	0.8106	-0.2505	41.0547	23.3583	0.7977	0.569
614	0.8106	-0.2506	41.0551	23.3548	0.7977	0.5689
614	0.8106	-0.2506	41.0556	23.3513	0.7978	0.5688
614	0.8106	-0.2507	41.0561	23.3477	0.7978	0.5687
614	0.8105	-0.2507	41.0566	23.3443	0.7979	0.5686
614	0.8105	-0.2508	41.0569	23.3408	0.7979	0.5685
615	0.8105	-0.2508	41.0573	23.3373	0.798	0.5684
615	0.8105	-0.2509	41.0576	23.3338	0.798	0.5683
615	0.8104	-0.2509	41.0578	23.3302	0.798	0.5682
615	0.8104	-0.251	41.058	23.3268	0.7981	0.5681
615	0.8104	-0.251	41.0581	23.3233	0.7981	0.5681
615	0.8104	-0.2511	41.0583	23.3197	0.7982	0.568
615	0.8104	-0.2511	41.0584	23.3162	0.7982	0.5679
616	0.8103	-0.2512	41.0586	23.3127	0.7983	0.5678
616	0.8103	-0.2512	41.0589	23.3091	0.7983	0.5677
616	0.8103	-0.2513	41.0592	23.3058	0.7983	0.5676
616	0.8103	-0.2513	41.0596	23.3024	0.7984	0.5675
616	0.8102	-0.2514	41.0598	23.2989	0.7984	0.5674
616	0.8102	-0.2514	41.0602	23.2954	0.7985	0.5673
616	0.8102	-0.2515	41.0607	23.292	0.7985	0.5673
616	0.8102	-0.2515	41.0613	23.2887	0.7986	0.5672

616	0.8102	-0.2516	41.0618	23.2855	0.7986	0.5671
653	0.8043	-0.2653	41.0703	22.2626	0.8083	0.5421
653	0.8043	-0.2653	41.0695	22.2589	0.8083	0.542
653	0.8043	-0.2654	41.0689	22.2549	0.8083	0.5419
653	0.8042	-0.2654	41.0687	22.2511	0.8083	0.5418
653	0.8042	-0.2655	41.0685	22.2475	0.8083	0.5417
653	0.8042	-0.2655	41.0683	22.2438	0.8084	0.5416
653	0.8042	-0.2655	41.0678	22.2404	0.8084	0.5416
658	0.8036	-0.2669	41.0389	22.1325	0.8096	0.5393
658	0.8035	-0.267	41.0382	22.1295	0.8096	0.5392
658	0.8035	-0.267	41.0375	22.1267	0.8096	0.5392
658	0.8035	-0.2671	41.0367	22.1239	0.8097	0.5391
658	0.8034	-0.2671	41.0359	22.1209	0.8097	0.5391
658	0.8034	-0.2671	41.0352	22.118	0.8098	0.539
658	0.8034	-0.2672	41.0344	22.115	0.8098	0.5389
658	0.8034	-0.2672	41.0334	22.1121	0.8099	0.5389
658	0.8034	-0.2673	41.0325	22.1089	0.8099	0.5388
663	0.8027	-0.2686	41.0001	22.011	0.8114	0.5369
663	0.8027	-0.2686	40.9992	22.0082	0.8114	0.5368
663	0.8027	-0.2687	40.9981	22.0054	0.8115	0.5367
663	0.8026	-0.2687	40.9971	22.0024	0.8115	0.5367
663	0.8026	-0.2687	40.9959	21.9993	0.8116	0.5366
663	0.8026	-0.2688	40.995	21.9961	0.8116	0.5366
663	0.8026	-0.2688	40.9939	21.9927	0.8116	0.5365
700	0.7962	-0.28	40.6625	21.2339	0.8269	0.5222

Measurement Report for (600.000MHz)
Exposure Conditions

Phantom Section, TSL	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	600.000	9.74	0.792	41.1

Hardware Setup

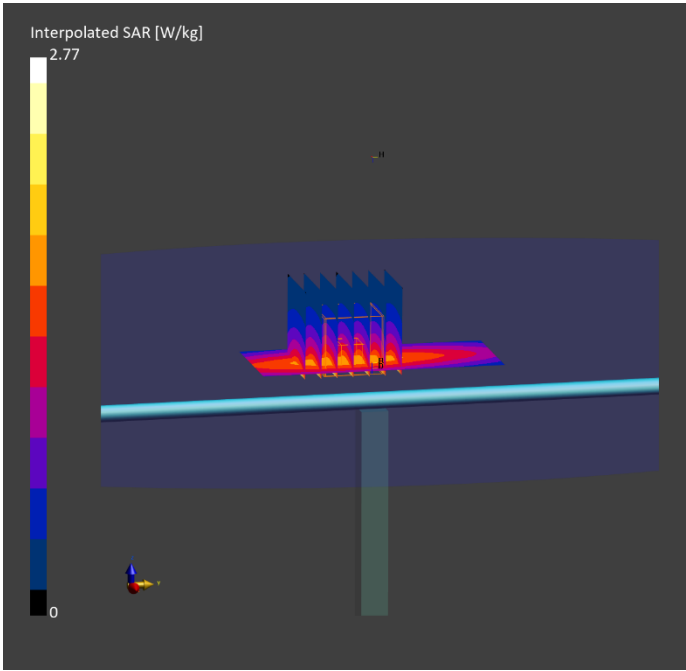
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Dec-31	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2023-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-31, 15:37	2024-12-31, 15:46
psSAR1g [W/kg]	1.70	1.74
psSAR10g [W/kg]	1.15	1.16
Power Drift [dB]	-0.05	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		> 15.0



; Name : DAK 3.5 Head 19.7 deg.C 2025-Jan-02 15:51:42						
; Date : 2025-Jan-02 15:51:42						
; Temperature(C) : 19.7						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
500	0.8257	-0.2078	41.4028	27.9091	0.7763	0.6741
537	0.8198	-0.2214	41.2791	26.4836	0.7906	0.6416
537	0.8197	-0.2214	41.2781	26.4794	0.7907	0.6415
537	0.8197	-0.2215	41.2772	26.475	0.7907	0.6414
537	0.8197	-0.2215	41.2769	26.47	0.7908	0.6413
537	0.8197	-0.2216	41.2768	26.4654	0.7908	0.6412
537	0.8197	-0.2216	41.2766	26.4604	0.7908	0.6411
537	0.8197	-0.2217	41.2766	26.4556	0.7909	0.6409
538	0.8197	-0.2217	41.2763	26.4506	0.7909	0.6408
538	0.8196	-0.2218	41.2759	26.446	0.791	0.6407
538	0.8196	-0.2218	41.2754	26.441	0.791	0.6406
538	0.8196	-0.2218	41.2749	26.4357	0.791	0.6405
538	0.8196	-0.2219	41.2744	26.4307	0.7911	0.6404
538	0.8196	-0.222	41.2739	26.4256	0.7911	0.6403
538	0.8195	-0.222	41.2735	26.4209	0.7911	0.6401
538	0.8195	-0.222	41.2728	26.4168	0.7912	0.6401
538	0.8195	-0.2221	41.2724	26.4122	0.7912	0.6399
572	0.8143	-0.2339	41.1079	25.2548	0.8029	0.6144
572	0.8143	-0.2339	41.1075	25.2505	0.803	0.6143
572	0.8143	-0.2339	41.107	25.2462	0.803	0.6142
572	0.8143	-0.234	41.1065	25.242	0.8031	0.6141
572	0.8142	-0.234	41.1062	25.2383	0.8031	0.614
572	0.8142	-0.2341	41.1059	25.2346	0.8032	0.6139
572	0.8142	-0.2341	41.1053	25.2305	0.8032	0.6138
572	0.8142	-0.2342	41.105	25.2266	0.8033	0.6137
572	0.8141	-0.2342	41.1045	25.2224	0.8033	0.6136
573	0.8141	-0.2343	41.1039	25.2185	0.8034	0.6135
573	0.8141	-0.2343	41.1032	25.2141	0.8034	0.6134
573	0.8141	-0.2344	41.1022	25.2094	0.8034	0.6133
573	0.8141	-0.2344	41.1011	25.205	0.8035	0.6132
573	0.814	-0.2344	41.1001	25.2005	0.8035	0.6131
573	0.814	-0.2345	41.0994	25.196	0.8035	0.613
573	0.814	-0.2345	41.0985	25.1916	0.8036	0.613
600	0.8096	-0.2439	41.0154	24.4015	0.8138	0.5949
600	0.8095	-0.2439	41.0149	24.3981	0.8139	0.5949

600	0.8095	-0.244	41.0144	24.3948	0.8139	0.5948
600	0.8095	-0.244	41.014	24.3913	0.814	0.5947
600	0.8095	-0.2441	41.0134	24.388	0.814	0.5946
600	0.8095	-0.2441	41.013	24.3847	0.8141	0.5946
600	0.8094	-0.2442	41.0126	24.3813	0.8142	0.5945
600	0.8094	-0.2442	41.0123	24.378	0.8142	0.5944
600	0.8094	-0.2442	41.0119	24.3747	0.8143	0.5943
608	0.8081	-0.2466	40.9731	24.1895	0.8175	0.5904
608	0.8081	-0.2467	40.9725	24.1863	0.8176	0.5903
608	0.8081	-0.2467	40.9719	24.183	0.8176	0.5902
608	0.8081	-0.2467	40.9713	24.1797	0.8177	0.5902
608	0.808	-0.2468	40.9706	24.1765	0.8177	0.5901
608	0.808	-0.2468	40.9699	24.1732	0.8178	0.59
608	0.808	-0.2469	40.9693	24.1699	0.8179	0.59
608	0.808	-0.2469	40.9686	24.1666	0.8179	0.5899
608	0.8079	-0.247	40.968	24.1635	0.818	0.5898
614	0.807	-0.2487	40.9449	24.0336	0.8203	0.587
614	0.807	-0.2487	40.9445	24.0304	0.8203	0.5869
614	0.807	-0.2488	40.9441	24.027	0.8204	0.5868
614	0.807	-0.2488	40.9436	24.0236	0.8204	0.5867
614	0.807	-0.2488	40.9431	24.0203	0.8205	0.5867
614	0.8069	-0.2489	40.9425	24.017	0.8205	0.5866
614	0.8069	-0.2489	40.9421	24.0138	0.8206	0.5865
614	0.8069	-0.249	40.9417	24.0105	0.8206	0.5865
614	0.8069	-0.249	40.9413	24.0073	0.8207	0.5864
615	0.8068	-0.2491	40.9409	24.0038	0.8207	0.5863
615	0.8068	-0.2491	40.9404	24.0006	0.8208	0.5862
615	0.8068	-0.2492	40.9399	23.9972	0.8209	0.5862
615	0.8068	-0.2492	40.9394	23.9938	0.8209	0.5861
615	0.8068	-0.2492	40.939	23.9904	0.821	0.586
615	0.8067	-0.2493	40.9386	23.987	0.821	0.5859
615	0.8067	-0.2493	40.938	23.9835	0.8211	0.5858
616	0.8067	-0.2494	40.9375	23.9802	0.8211	0.5858
616	0.8067	-0.2494	40.937	23.9769	0.8212	0.5857
616	0.8066	-0.2495	40.9365	23.9737	0.8212	0.5856
616	0.8066	-0.2495	40.936	23.9705	0.8213	0.5856
616	0.8066	-0.2495	40.9356	23.9673	0.8213	0.5855
616	0.8066	-0.2496	40.9351	23.964	0.8214	0.5854
616	0.8065	-0.2496	40.9348	23.9608	0.8214	0.5853
616	0.8065	-0.2497	40.9344	23.9577	0.8215	0.5853
616	0.8065	-0.2497	40.9339	23.9543	0.8216	0.5852

653	0.8003	-0.2624	40.817	22.9955	0.8349	0.5634
653	0.8003	-0.2624	40.8165	22.9922	0.8349	0.5633
653	0.8003	-0.2625	40.816	22.9891	0.835	0.5632
653	0.8002	-0.2625	40.8154	22.9861	0.835	0.5632
653	0.8002	-0.2626	40.8148	22.9829	0.8351	0.5631
653	0.8002	-0.2626	40.814	22.9796	0.8351	0.563
653	0.8002	-0.2627	40.8133	22.9763	0.8351	0.563
658	0.7995	-0.2641	40.7963	22.8713	0.8366	0.5606
658	0.7995	-0.2641	40.7957	22.8688	0.8366	0.5606
658	0.7995	-0.2642	40.7952	22.8656	0.8367	0.5605
658	0.7994	-0.2642	40.7947	22.8626	0.8367	0.5604
658	0.7994	-0.2643	40.7939	22.8594	0.8368	0.5604
658	0.7994	-0.2643	40.7933	22.8563	0.8368	0.5603
658	0.7994	-0.2643	40.7926	22.8536	0.8369	0.5602
658	0.7993	-0.2644	40.7918	22.851	0.8369	0.5602
658	0.7993	-0.2644	40.7912	22.8487	0.837	0.5601
663	0.7986	-0.2658	40.7732	22.7454	0.8385	0.5579
663	0.7986	-0.2659	40.7724	22.7418	0.8385	0.5578
663	0.7986	-0.2659	40.7715	22.7384	0.8385	0.5577
663	0.7985	-0.2659	40.7708	22.7351	0.8386	0.5576
663	0.7985	-0.266	40.7703	22.732	0.8386	0.5576
663	0.7985	-0.266	40.7697	22.7291	0.8386	0.5575
663	0.7985	-0.2661	40.7693	22.7257	0.8387	0.5574
700	0.7922	-0.2785	40.6236	21.8687	0.8516	0.5383

Measurement Report for (600.000MHz)
Exposure Conditions

Phantom Section, TSL	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	600.000	9.74	0.814	41.0

Hardware Setup

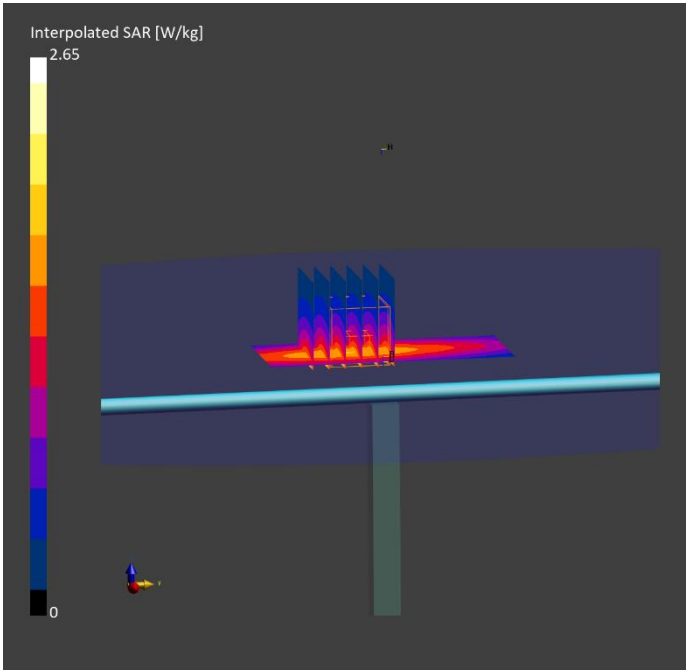
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2025-Jan- 02	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2023-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-02, 16:00	2025-01-02, 16:08
psSAR1g [W/kg]	1.64	1.67
psSAR10g [W/kg]	1.11	1.12
Power Drift [dB]	-0.09	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		82.6
Dist 3dB Peak [mm]		> 15.0



; Name : DAK 3.5 Head 19.5 deg.C 2025-Jan-09 22:34:05						
; Date : 2025-Jan-09 22:34:05						
; Temperature(C) : 19.5						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
500	0.8248	-0.2027	40.4202	28.3114	0.7875	0.7004
537	0.8189	-0.2167	40.4501	26.868	0.8021	0.6642
537	0.8189	-0.2167	40.4494	26.8629	0.8021	0.6641
537	0.8188	-0.2168	40.4488	26.8574	0.8022	0.664
537	0.8188	-0.2168	40.4482	26.8518	0.8022	0.6639
537	0.8188	-0.2168	40.4476	26.8465	0.8022	0.6637
537	0.8188	-0.2169	40.4469	26.8414	0.8022	0.6636
537	0.8187	-0.2169	40.4462	26.8362	0.8023	0.6635
538	0.8187	-0.217	40.4458	26.831	0.8023	0.6634
538	0.8187	-0.217	40.4452	26.8256	0.8023	0.6633
538	0.8187	-0.2171	40.4446	26.8205	0.8024	0.6631
538	0.8187	-0.2171	40.4441	26.8155	0.8024	0.663
538	0.8187	-0.2172	40.4435	26.8104	0.8024	0.6629
538	0.8187	-0.2172	40.4428	26.8047	0.8024	0.6628
538	0.8187	-0.2173	40.4422	26.7987	0.8024	0.6626
538	0.8187	-0.2173	40.4414	26.7929	0.8025	0.6625
538	0.8186	-0.2174	40.4406	26.7871	0.8025	0.6624
572	0.8152	-0.2289	40.2058	25.3279	0.8053	0.63
572	0.8152	-0.2289	40.2047	25.3226	0.8053	0.6298
572	0.8152	-0.229	40.2036	25.3176	0.8053	0.6297
572	0.8151	-0.229	40.2026	25.3129	0.8053	0.6296
572	0.8151	-0.229	40.2018	25.3083	0.8053	0.6295
572	0.8151	-0.2291	40.2009	25.3033	0.8054	0.6294
572	0.8151	-0.2291	40.2003	25.2983	0.8054	0.6293
572	0.8151	-0.2292	40.1992	25.293	0.8054	0.6292
572	0.8151	-0.2292	40.1983	25.2877	0.8054	0.6291
573	0.8151	-0.2292	40.1973	25.2825	0.8054	0.629
573	0.815	-0.2293	40.1963	25.2769	0.8054	0.6288
573	0.815	-0.2293	40.1952	25.2715	0.8054	0.6287
573	0.815	-0.2294	40.1944	25.2662	0.8054	0.6286
573	0.815	-0.2294	40.1933	25.2607	0.8054	0.6285
573	0.815	-0.2295	40.1924	25.2552	0.8054	0.6284
573	0.815	-0.2295	40.1914	25.25	0.8054	0.6282
600	0.811	-0.2384	40.0434	24.4103	0.8141	0.6096
600	0.811	-0.2384	40.0429	24.407	0.8142	0.6095

600	0.811	-0.2385	40.0423	24.4038	0.8142	0.6094
600	0.811	-0.2385	40.0416	24.4005	0.8143	0.6094
600	0.8109	-0.2386	40.041	24.3973	0.8144	0.6093
600	0.8109	-0.2386	40.0403	24.3942	0.8144	0.6092
600	0.8109	-0.2387	40.0398	24.3909	0.8145	0.6092
600	0.8108	-0.2387	40.0392	24.3878	0.8145	0.6091
600	0.8108	-0.2387	40.0385	24.3846	0.8146	0.609
608	0.8095	-0.2411	40.008	24.2132	0.8183	0.6052
608	0.8095	-0.2411	40.0076	24.2102	0.8184	0.6051
608	0.8095	-0.2412	40.0072	24.2071	0.8184	0.6051
608	0.8094	-0.2412	40.0068	24.2038	0.8185	0.605
608	0.8094	-0.2413	40.0062	24.2007	0.8186	0.6049
608	0.8094	-0.2413	40.0057	24.1977	0.8186	0.6049
608	0.8094	-0.2413	40.0053	24.1949	0.8187	0.6048
608	0.8093	-0.2414	40.0047	24.192	0.8188	0.6047
608	0.8093	-0.2414	40.0042	24.189	0.8188	0.6047
614	0.8083	-0.2431	39.9945	24.0753	0.8217	0.602
614	0.8083	-0.2432	39.9944	24.0723	0.8217	0.6019
614	0.8083	-0.2432	39.9943	24.0693	0.8218	0.6018
614	0.8082	-0.2433	39.9942	24.0664	0.8219	0.6017
614	0.8082	-0.2433	39.9941	24.0635	0.822	0.6017
614	0.8082	-0.2434	39.9939	24.0605	0.822	0.6016
614	0.8082	-0.2434	39.9939	24.0576	0.8221	0.6015
614	0.8081	-0.2435	39.9938	24.0548	0.8222	0.6015
614	0.8081	-0.2435	39.9937	24.052	0.8222	0.6014
615	0.8081	-0.2436	39.9937	24.0493	0.8223	0.6013
615	0.8081	-0.2436	39.9935	24.0465	0.8224	0.6013
615	0.8081	-0.2436	39.9935	24.0438	0.8225	0.6012
615	0.808	-0.2437	39.9933	24.0411	0.8225	0.6011
615	0.808	-0.2437	39.993	24.0382	0.8226	0.6011
615	0.808	-0.2438	39.9929	24.0352	0.8227	0.601
615	0.8079	-0.2438	39.9927	24.0325	0.8227	0.6009
616	0.8079	-0.2439	39.9924	24.0295	0.8228	0.6008
616	0.8079	-0.2439	39.9922	24.0266	0.8229	0.6008
616	0.8079	-0.2439	39.9921	24.0237	0.8229	0.6007
616	0.8078	-0.244	39.9919	24.0207	0.823	0.6006
616	0.8078	-0.244	39.9917	24.0179	0.8231	0.6006
616	0.8078	-0.2441	39.9917	24.015	0.8231	0.6005
616	0.8078	-0.2441	39.9915	24.0122	0.8232	0.6004
616	0.8078	-0.2442	39.9913	24.0095	0.8233	0.6004
616	0.8077	-0.2442	39.9913	24.0067	0.8234	0.6003

653	0.8012	-0.2574	40.0112	23.0933	0.8384	0.5772
653	0.8011	-0.2574	40.0109	23.0894	0.8385	0.5771
653	0.8011	-0.2575	40.0105	23.085	0.8385	0.577
653	0.8011	-0.2575	40.0103	23.0806	0.8385	0.5769
653	0.8011	-0.2575	40.0099	23.0762	0.8385	0.5768
653	0.8011	-0.2576	40.0098	23.0723	0.8385	0.5767
653	0.8011	-0.2576	40.0096	23.0686	0.8385	0.5766
658	0.8005	-0.2591	40.0001	22.948	0.8394	0.5737
658	0.8004	-0.2591	39.9996	22.9436	0.8394	0.5736
658	0.8005	-0.2592	39.9991	22.9392	0.8394	0.5735
658	0.8004	-0.2592	39.9983	22.9352	0.8394	0.5734
658	0.8004	-0.2593	39.9977	22.9313	0.8394	0.5733
658	0.8004	-0.2593	39.9973	22.927	0.8394	0.5732
658	0.8004	-0.2594	39.9966	22.9231	0.8394	0.5731
658	0.8004	-0.2594	39.996	22.9192	0.8394	0.573
658	0.8004	-0.2594	39.9954	22.9155	0.8395	0.573
663	0.7998	-0.2609	39.9802	22.7932	0.8402	0.5701
663	0.7998	-0.2609	39.9797	22.7895	0.8402	0.57
663	0.7998	-0.261	39.9794	22.7858	0.8403	0.5699
663	0.7998	-0.261	39.9788	22.7822	0.8403	0.5699
663	0.7997	-0.2611	39.9783	22.7785	0.8403	0.5698
663	0.7997	-0.2611	39.9779	22.7747	0.8403	0.5697
663	0.7997	-0.2611	39.9774	22.7708	0.8403	0.5696
700	0.7952	-0.2733	39.7512	21.6824	0.8444	0.5455

Measurement Report for (600.000MHz)
Exposure Conditions

Phantom Section, TSL	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	600.000	9.74	0.814	40.0

Hardware Setup

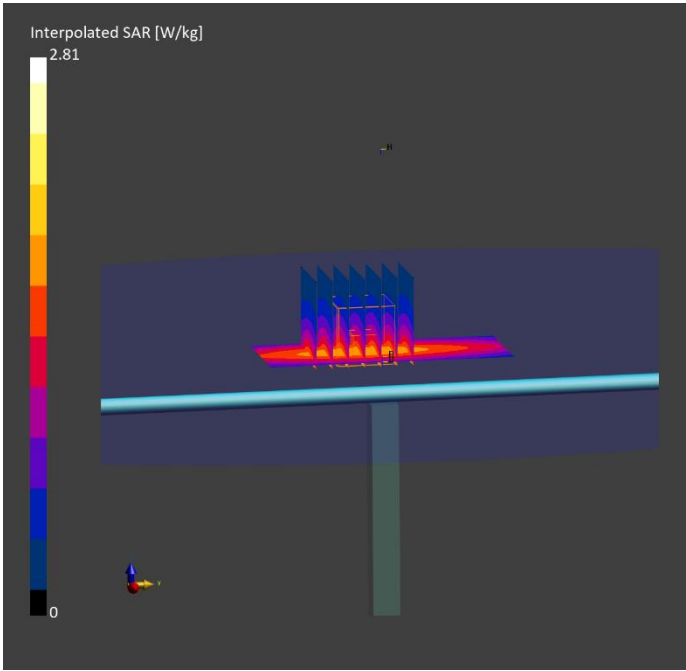
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2025-Jan- 10	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2023-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 16:50	2025-01-10, 17:08
psSAR1g [W/kg]	1.71	1.75
psSAR10g [W/kg]	1.16	1.16
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		> 15.0



; Name : DAK 3.5 Head 20 deg.C 2025-Jan-13 15:52:21						
; Date : 2025-Jan-13 15:52:21						
; Temperature(C) : 20						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
500	0.8255	-0.2067	41.1958	28.0012	0.7789	0.6797
537	0.8198	-0.2204	41.1011	26.5302	0.792	0.6455
537	0.8197	-0.2205	41.1006	26.5249	0.792	0.6454
537	0.8197	-0.2205	41.1001	26.5198	0.7921	0.6453
537	0.8197	-0.2206	41.0996	26.5152	0.7921	0.6451
537	0.8197	-0.2206	41.0991	26.5104	0.7922	0.645
537	0.8197	-0.2207	41.0984	26.5054	0.7922	0.6449
537	0.8197	-0.2207	41.0981	26.5005	0.7922	0.6448
538	0.8196	-0.2207	41.0977	26.4957	0.7923	0.6447
538	0.8196	-0.2208	41.0971	26.491	0.7923	0.6446
538	0.8196	-0.2208	41.0964	26.486	0.7923	0.6445
538	0.8196	-0.2209	41.0957	26.4813	0.7924	0.6444
538	0.8196	-0.2209	41.0947	26.4766	0.7924	0.6443
538	0.8195	-0.221	41.0942	26.4718	0.7925	0.6442
538	0.8195	-0.221	41.0933	26.4671	0.7925	0.6441
538	0.8195	-0.221	41.0927	26.4617	0.7925	0.644
538	0.8195	-0.2211	41.0919	26.4561	0.7926	0.6438
572	0.8151	-0.2327	40.8723	25.1755	0.8004	0.616
572	0.815	-0.2327	40.8714	25.1709	0.8004	0.6159
572	0.815	-0.2328	40.8707	25.1662	0.8005	0.6158
572	0.815	-0.2328	40.8698	25.1615	0.8005	0.6157
572	0.815	-0.2329	40.869	25.1567	0.8005	0.6155
572	0.815	-0.2329	40.8681	25.1515	0.8005	0.6154
572	0.815	-0.233	40.8673	25.1465	0.8005	0.6153
572	0.815	-0.233	40.8661	25.1414	0.8006	0.6152
572	0.8149	-0.233	40.8652	25.1363	0.8006	0.6151
573	0.8149	-0.2331	40.8645	25.1315	0.8006	0.615
573	0.8149	-0.2331	40.8634	25.1263	0.8006	0.6149
573	0.8149	-0.2332	40.8626	25.1214	0.8006	0.6148
573	0.8149	-0.2332	40.8617	25.1162	0.8006	0.6147
573	0.8149	-0.2333	40.8606	25.1113	0.8006	0.6146
573	0.8149	-0.2333	40.8598	25.1062	0.8007	0.6144
573	0.8148	-0.2333	40.8592	25.1015	0.8007	0.6143
600	0.8109	-0.2427	40.7634	24.2341	0.8082	0.5945
600	0.8109	-0.2428	40.763	24.2307	0.8083	0.5944

600	0.8109	-0.2428	40.7627	24.2273	0.8083	0.5944
600	0.8108	-0.2429	40.7623	24.2241	0.8084	0.5943
600	0.8108	-0.2429	40.7618	24.2209	0.8085	0.5942
600	0.8108	-0.2429	40.7613	24.2176	0.8085	0.5941
600	0.8108	-0.243	40.7606	24.2142	0.8086	0.5941
600	0.8107	-0.243	40.7601	24.2109	0.8086	0.594
600	0.8107	-0.2431	40.7597	24.2075	0.8087	0.5939
608	0.8095	-0.2455	40.7334	24.022	0.8118	0.5897
608	0.8094	-0.2456	40.7328	24.0187	0.8119	0.5897
608	0.8094	-0.2456	40.7323	24.0154	0.812	0.5896
608	0.8094	-0.2456	40.7316	24.0121	0.812	0.5895
608	0.8094	-0.2457	40.731	24.0087	0.8121	0.5894
608	0.8094	-0.2457	40.7303	24.0054	0.8121	0.5894
608	0.8093	-0.2458	40.7298	24.0022	0.8122	0.5893
608	0.8093	-0.2458	40.7293	23.9989	0.8122	0.5892
608	0.8093	-0.2459	40.7286	23.9957	0.8123	0.5892
614	0.8084	-0.2476	40.7101	23.8687	0.8146	0.5863
614	0.8083	-0.2476	40.7098	23.8655	0.8147	0.5862
614	0.8083	-0.2477	40.7094	23.8624	0.8148	0.5862
614	0.8083	-0.2477	40.7091	23.8594	0.8148	0.5861
614	0.8083	-0.2478	40.7087	23.8564	0.8149	0.586
614	0.8083	-0.2478	40.7084	23.8533	0.8149	0.586
614	0.8082	-0.2479	40.7081	23.8503	0.815	0.5859
614	0.8082	-0.2479	40.7076	23.8473	0.8151	0.5858
614	0.8082	-0.2479	40.7074	23.844	0.8151	0.5857
615	0.8081	-0.248	40.707	23.8409	0.8152	0.5857
615	0.8081	-0.248	40.7068	23.8377	0.8152	0.5856
615	0.8081	-0.2481	40.7063	23.8343	0.8153	0.5855
615	0.8081	-0.2481	40.7059	23.831	0.8153	0.5854
615	0.8081	-0.2482	40.7053	23.8279	0.8154	0.5854
615	0.808	-0.2482	40.7047	23.8246	0.8154	0.5853
615	0.808	-0.2482	40.7042	23.8214	0.8155	0.5852
616	0.808	-0.2483	40.7038	23.818	0.8156	0.5852
616	0.808	-0.2483	40.7034	23.8149	0.8156	0.5851
616	0.808	-0.2484	40.7031	23.8115	0.8157	0.585
616	0.8079	-0.2484	40.7028	23.8081	0.8157	0.5849
616	0.8079	-0.2485	40.7026	23.8049	0.8158	0.5849
616	0.8079	-0.2485	40.7024	23.8021	0.8158	0.5848
616	0.8079	-0.2485	40.702	23.7991	0.8159	0.5847
616	0.8078	-0.2486	40.7019	23.7959	0.816	0.5846
616	0.8078	-0.2486	40.7017	23.793	0.816	0.5846

653	0.8017	-0.2613	40.5838	22.8399	0.8292	0.5628
653	0.8016	-0.2613	40.5833	22.8364	0.8293	0.5627
653	0.8016	-0.2614	40.583	22.833	0.8293	0.5626
653	0.8016	-0.2614	40.5822	22.8303	0.8294	0.5626
653	0.8016	-0.2615	40.5817	22.8272	0.8294	0.5625
653	0.8016	-0.2615	40.581	22.8241	0.8295	0.5624
653	0.8015	-0.2615	40.5801	22.8214	0.8295	0.5624
658	0.8009	-0.2629	40.5625	22.7118	0.8307	0.5599
658	0.8008	-0.263	40.5621	22.7084	0.8308	0.5598
658	0.8008	-0.263	40.5617	22.7047	0.8308	0.5598
658	0.8008	-0.2631	40.561	22.7014	0.8308	0.5597
658	0.8009	-0.2631	40.5602	22.6982	0.8309	0.5596
658	0.8008	-0.2632	40.5595	22.6949	0.8309	0.5595
658	0.8008	-0.2632	40.5586	22.6914	0.8309	0.5595
658	0.8008	-0.2632	40.558	22.688	0.831	0.5594
658	0.8007	-0.2633	40.5573	22.6843	0.831	0.5593
663	0.8001	-0.2647	40.5398	22.5723	0.8321	0.5568
663	0.8001	-0.2647	40.5393	22.5683	0.8321	0.5567
663	0.8001	-0.2648	40.5387	22.5648	0.8321	0.5566
663	0.8001	-0.2648	40.5382	22.5612	0.8321	0.5565
663	0.8	-0.2649	40.5376	22.5581	0.8322	0.5565
663	0.8	-0.2649	40.5369	22.555	0.8322	0.5564
663	0.8	-0.265	40.5363	22.5518	0.8323	0.5563
700	0.7944	-0.2774	40.3667	21.6109	0.8416	0.5354

Measurement Report for (600.000MHz)
Exposure Conditions

Phantom Section, TSL	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	600.000	9.74	0.808	40.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2025-Jan- 13	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2023-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-13, 16:23	2025-01-13, 16:32
psSAR1g [W/kg]	1.72	1.76
psSAR10g [W/kg]	1.17	1.17
Power Drift [dB]	0.01	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		82.0
Dist 3dB Peak [mm]		> 15.0

