

Annex D – Liquid and System Validation

Liquid Validation

2450MHz

; Name : DAK 3.5 Head 22.8 deg.C 2024-Jun-20 22:02:27						
; Date : 2024-Jun-20 22:02:27						
; Temperature(C) : 22.8						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
2400	0.3846	-0.6371	37.6845	12.7952	1.7084	0.3395
2412	0.3816	-0.6383	37.6742	12.7821	1.7148	0.3393
2412	0.3816	-0.6383	37.6742	12.782	1.7148	0.3393
2412	0.3816	-0.6383	37.6742	12.7819	1.7149	0.3393
2412	0.3816	-0.6383	37.6742	12.782	1.7149	0.3393
2412	0.3816	-0.6383	37.6741	12.7822	1.715	0.3393
2412	0.3816	-0.6383	37.674	12.7824	1.715	0.3393
2412	0.3816	-0.6383	37.6737	12.7828	1.7151	0.3393
2412	0.3815	-0.6383	37.6736	12.7831	1.7152	0.3393
2412	0.3815	-0.6383	37.6734	12.7834	1.7153	0.3393
2412	0.3815	-0.6383	37.6733	12.7836	1.7153	0.3393
2412	0.3815	-0.6383	37.6731	12.7839	1.7154	0.3393
2412	0.3815	-0.6383	37.6729	12.784	1.7155	0.3393
2412	0.3815	-0.6383	37.6726	12.7842	1.7155	0.3393
2412	0.3815	-0.6383	37.6724	12.7842	1.7156	0.3394
2412	0.3815	-0.6383	37.6723	12.784	1.7156	0.3393
2412	0.3815	-0.6383	37.6722	12.784	1.7156	0.3393
2412	0.3814	-0.6383	37.6721	12.7837	1.7156	0.3393
2412	0.3814	-0.6383	37.6721	12.7834	1.7156	0.3393
2412	0.3814	-0.6383	37.6722	12.7829	1.7156	0.3393
2437	0.3752	-0.6401	37.6337	12.7903	1.7337	0.3399
2437	0.3752	-0.6401	37.6336	12.7902	1.7337	0.3399
2437	0.3752	-0.6401	37.6336	12.7902	1.7337	0.3399
2437	0.3752	-0.6401	37.6335	12.79	1.7338	0.3399
2437	0.3752	-0.6401	37.6335	12.7898	1.7338	0.3399
2437	0.3752	-0.6402	37.6335	12.7896	1.7338	0.3398
2437	0.3752	-0.6402	37.6334	12.7893	1.7338	0.3398

2437	0.3751	-0.6402	37.6333	12.7891	1.7338	0.3398
2437	0.3751	-0.6402	37.6332	12.7891	1.7338	0.3398
2437	0.3751	-0.6402	37.6331	12.7892	1.7339	0.3398
2437	0.3751	-0.6401	37.6331	12.7893	1.7339	0.3398
2437	0.3751	-0.6402	37.633	12.7895	1.734	0.3398
2437	0.3751	-0.6402	37.6328	12.79	1.7341	0.3399
2437	0.3751	-0.6402	37.6326	12.7904	1.7342	0.3399
2437	0.375	-0.6402	37.6324	12.7907	1.7343	0.3399
2437	0.375	-0.6402	37.6323	12.791	1.7343	0.3399
2437	0.375	-0.6401	37.6321	12.7914	1.7344	0.3399
2437	0.375	-0.6402	37.632	12.7917	1.7345	0.3399
2437	0.375	-0.6402	37.6318	12.792	1.7346	0.3399
2450	0.3719	-0.6412	37.619	12.7911	1.743	0.34
2450	0.3719	-0.6412	37.6189	12.7909	1.7431	0.34
2450	0.3718	-0.6412	37.6188	12.7908	1.7431	0.34
2450	0.3718	-0.6412	37.6187	12.7908	1.7431	0.34
2450	0.3718	-0.6412	37.6186	12.7908	1.7431	0.34
2450	0.3718	-0.6412	37.6186	12.7908	1.7432	0.34
2450	0.3718	-0.6412	37.6186	12.7908	1.7432	0.34
2450	0.3718	-0.6412	37.6186	12.7908	1.7433	0.34
2450	0.3718	-0.6412	37.6185	12.7907	1.7433	0.34
2450	0.3717	-0.6412	37.6184	12.7906	1.7433	0.34
2450	0.3717	-0.6412	37.6183	12.7905	1.7433	0.34
2450	0.3717	-0.6412	37.6181	12.7904	1.7434	0.34
2450	0.3717	-0.6412	37.618	12.7903	1.7434	0.34
2450	0.3717	-0.6412	37.6179	12.7901	1.7434	0.34
2450	0.3717	-0.6412	37.6177	12.79	1.7434	0.34
2450	0.3717	-0.6413	37.6176	12.7899	1.7434	0.34
2450	0.3717	-0.6412	37.6175	12.7897	1.7434	0.34
2450	0.3717	-0.6413	37.6173	12.7896	1.7435	0.34
2450	0.3717	-0.6413	37.6173	12.7895	1.7435	0.34
2462	0.3688	-0.6422	37.6059	12.7864	1.7509	0.34
2462	0.3688	-0.6422	37.6058	12.7864	1.751	0.34
2462	0.3688	-0.6422	37.6058	12.7864	1.751	0.34
2462	0.3688	-0.6422	37.6057	12.7864	1.7511	0.34
2462	0.3688	-0.6422	37.6057	12.7865	1.7511	0.34
2462	0.3687	-0.6422	37.6056	12.7865	1.7511	0.34
2462	0.3687	-0.6422	37.6055	12.7866	1.7512	0.34

2462	0.3687	-0.6422	37.6055	12.7866	1.7512	0.34
2462	0.3687	-0.6422	37.6054	12.7866	1.7513	0.34
2462	0.3687	-0.6422	37.6053	12.7866	1.7513	0.34
2462	0.3687	-0.6422	37.6052	12.7864	1.7513	0.34
2462	0.3687	-0.6422	37.6051	12.7863	1.7513	0.34
2462	0.3687	-0.6422	37.605	12.7861	1.7514	0.34
2462	0.3686	-0.6423	37.6047	12.786	1.7514	0.34
2462	0.3686	-0.6422	37.6047	12.7858	1.7514	0.34
2462	0.3686	-0.6422	37.6045	12.7856	1.7514	0.34
2462	0.3686	-0.6423	37.6044	12.7855	1.7514	0.34
2462	0.3686	-0.6423	37.6044	12.7855	1.7514	0.34
2462	0.3686	-0.6423	37.6044	12.7854	1.7515	0.34

Measurement Report for Dipole, 2450.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	2450.000, 0	6.85	1.74	37.6

Hardware Setup

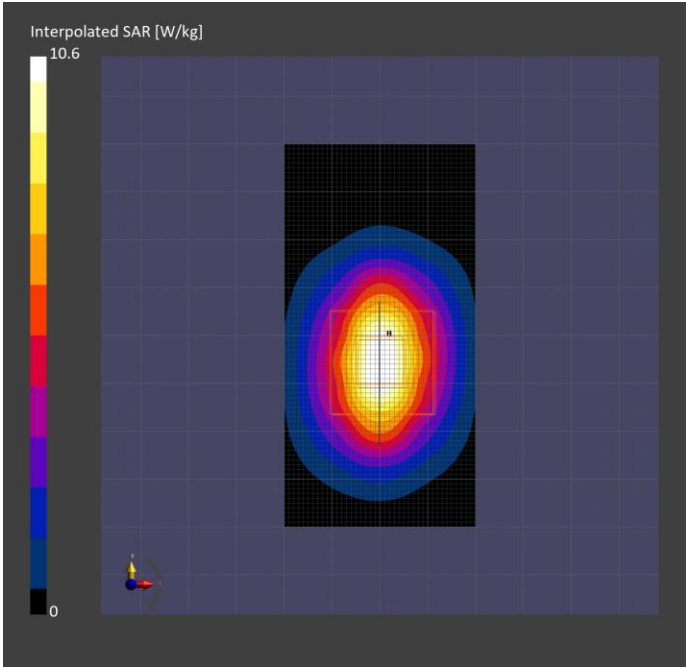
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jun-20	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	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
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	2024-06-20, 22:58	2024-06-20, 23:08
psSAR1g [W/kg]	5.14	5.12
psSAR10g [W/kg]	2.38	2.39
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		9.1



; Name : DAK 3.5 Head 23.8 deg.C 2024-Jun-24 15:18:56						
; Date : 2024-Jun-24 15:18:56						
; Temperature(C) : 23.8						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
2400	0.3778	-0.6265	37.6009	13.54	1.8078	0.3601
2412	0.375	-0.6274	37.5764	13.5298	1.8151	0.3601
2412	0.375	-0.6274	37.5764	13.5295	1.8151	0.3601
2412	0.375	-0.6274	37.5764	13.5293	1.8151	0.36
2412	0.375	-0.6274	37.5764	13.5291	1.8151	0.36
2412	0.375	-0.6274	37.5764	13.5289	1.8152	0.36
2412	0.375	-0.6274	37.5764	13.5289	1.8152	0.36
2412	0.375	-0.6275	37.5763	13.5287	1.8152	0.36
2412	0.3749	-0.6274	37.5761	13.5287	1.8152	0.36
2412	0.3749	-0.6274	37.5758	13.5288	1.8153	0.36
2412	0.3749	-0.6274	37.5755	13.529	1.8154	0.36
2412	0.3749	-0.6274	37.5751	13.5291	1.8154	0.3601
2412	0.3749	-0.6275	37.5747	13.5292	1.8155	0.3601
2412	0.3749	-0.6275	37.5746	13.5291	1.8155	0.3601
2412	0.3749	-0.6275	37.5744	13.5291	1.8155	0.3601
2412	0.3748	-0.6274	37.5743	13.5291	1.8156	0.3601
2412	0.3749	-0.6274	37.5742	13.5292	1.8156	0.3601
2412	0.3748	-0.6274	37.5741	13.5291	1.8156	0.3601
2412	0.3748	-0.6275	37.574	13.529	1.8157	0.3601
2412	0.3748	-0.6275	37.574	13.5288	1.8157	0.3601
2437	0.3686	-0.6288	37.5226	13.5546	1.8373	0.3612
2437	0.3686	-0.6288	37.5227	13.5548	1.8374	0.3612
2437	0.3686	-0.6288	37.5227	13.5549	1.8374	0.3612
2437	0.3686	-0.6288	37.5227	13.5548	1.8374	0.3612
2437	0.3686	-0.6288	37.5226	13.5547	1.8375	0.3612
2437	0.3686	-0.6288	37.5225	13.5543	1.8374	0.3612
2437	0.3686	-0.6288	37.5223	13.5539	1.8374	0.3612
2437	0.3686	-0.6289	37.5221	13.5533	1.8374	0.3612
2437	0.3686	-0.6288	37.5217	13.5528	1.8374	0.3612
2437	0.3686	-0.6288	37.5213	13.5522	1.8373	0.3612
2437	0.3686	-0.6288	37.521	13.5519	1.8373	0.3612

2437	0.3685	-0.6289	37.5208	13.5515	1.8373	0.3612
2437	0.3685	-0.6289	37.5206	13.5513	1.8373	0.3612
2437	0.3685	-0.6289	37.5204	13.5513	1.8374	0.3612
2437	0.3685	-0.6289	37.5203	13.5515	1.8374	0.3612
2437	0.3685	-0.6289	37.5203	13.5518	1.8375	0.3612
2437	0.3685	-0.6289	37.5202	13.5521	1.8376	0.3612
2437	0.3685	-0.6289	37.5203	13.5524	1.8377	0.3612
2437	0.3685	-0.6289	37.5204	13.5528	1.8378	0.3612
2450	0.3651	-0.6298	37.5192	13.5624	1.8482	0.3615
2450	0.3651	-0.6298	37.5192	13.5625	1.8482	0.3615
2450	0.3651	-0.6298	37.5192	13.5627	1.8483	0.3615
2450	0.365	-0.6298	37.5191	13.5627	1.8483	0.3615
2450	0.365	-0.6298	37.5192	13.5628	1.8484	0.3615
2450	0.365	-0.6298	37.5192	13.563	1.8484	0.3615
2450	0.365	-0.6298	37.5192	13.5631	1.8485	0.3615
2450	0.365	-0.6298	37.5193	13.5633	1.8485	0.3615
2450	0.365	-0.6298	37.5194	13.5634	1.8486	0.3615
2450	0.3649	-0.6298	37.5195	13.5634	1.8486	0.3615
2450	0.3649	-0.6298	37.5197	13.5635	1.8487	0.3615
2450	0.3649	-0.6299	37.5198	13.5636	1.8488	0.3615
2450	0.3649	-0.6298	37.5198	13.5637	1.8488	0.3615
2450	0.3649	-0.6298	37.52	13.5638	1.8489	0.3615
2450	0.3649	-0.6299	37.5201	13.5639	1.8489	0.3615
2450	0.3649	-0.6299	37.5201	13.5641	1.849	0.3615
2450	0.3648	-0.6299	37.5201	13.5642	1.849	0.3615
2450	0.3648	-0.6299	37.52	13.5644	1.8491	0.3615
2450	0.3648	-0.6299	37.5199	13.5645	1.8492	0.3615
2462	0.3618	-0.6309	37.5197	13.5625	1.8572	0.3615
2462	0.3618	-0.6309	37.5196	13.5624	1.8572	0.3615
2462	0.3618	-0.6309	37.5196	13.5623	1.8573	0.3615
2462	0.3618	-0.6309	37.5195	13.5622	1.8573	0.3615
2462	0.3618	-0.6309	37.5194	13.562	1.8573	0.3615
2462	0.3617	-0.6309	37.5194	13.5619	1.8573	0.3615
2462	0.3617	-0.6309	37.5194	13.5618	1.8574	0.3615
2462	0.3617	-0.6309	37.5193	13.5616	1.8574	0.3615
2462	0.3617	-0.6309	37.5194	13.5615	1.8574	0.3615
2462	0.3617	-0.6309	37.5194	13.5615	1.8574	0.3615
2462	0.3617	-0.6309	37.5194	13.5615	1.8575	0.3615
2462	0.3617	-0.6309	37.5194	13.5614	1.8575	0.3615

2462	0.3617	-0.6309	37.5193	13.5614	1.8575	0.3615
2462	0.3617	-0.6309	37.5193	13.5614	1.8576	0.3615
2462	0.3616	-0.6309	37.5192	13.5614	1.8576	0.3615
2462	0.3616	-0.631	37.5192	13.5614	1.8577	0.3615
2462	0.3616	-0.631	37.5193	13.5614	1.8577	0.3615
2462	0.3616	-0.631	37.5193	13.5614	1.8577	0.3615
2462	0.3616	-0.631	37.5193	13.5613	1.8578	0.3614

Measurement Report for Dipole, 2450.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	2450.000, 0	6.85	1.85	37.5

Hardware Setup

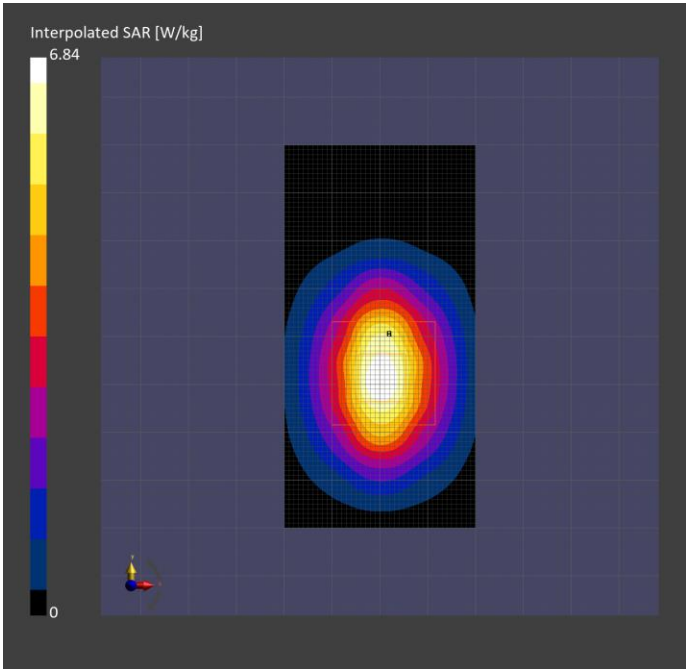
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jun-24	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	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
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	2024-06-24, 16:08	2024-06-24, 16:17
psSAR1g [W/kg]	5.10	5.12
psSAR10g [W/kg]	2.40	2.42
Power Drift [dB]	-0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		9.0



; Name : DAK 3.5 Head 22.9 deg.C 2024-Jun-27 16:00:50						
; Date : 2024-Jun-27 16:00:50						
; Temperature(C) : 22.9						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
2400	0.4039	-0.6252	36.3685	12.6162	1.6845	0.3469
2412	0.4014	-0.626	36.3266	12.6103	1.6918	0.3471
2412	0.4014	-0.6259	36.3263	12.6102	1.6918	0.3471
2412	0.4014	-0.6259	36.3261	12.6102	1.6918	0.3471
2412	0.4014	-0.626	36.3259	12.6103	1.6919	0.3471
2412	0.4013	-0.6259	36.3255	12.6102	1.6919	0.3471
2412	0.4014	-0.6259	36.3252	12.6102	1.6919	0.3471
2412	0.4013	-0.6259	36.3249	12.6102	1.692	0.3471
2412	0.4013	-0.6259	36.3247	12.6101	1.692	0.3472
2412	0.4013	-0.6259	36.3245	12.6102	1.692	0.3472
2412	0.4013	-0.6259	36.3243	12.6103	1.6921	0.3472
2412	0.4013	-0.6259	36.324	12.6105	1.6922	0.3472
2412	0.4013	-0.626	36.3239	12.6106	1.6922	0.3472
2412	0.4012	-0.626	36.3239	12.6107	1.6923	0.3472
2412	0.4013	-0.626	36.3239	12.6107	1.6923	0.3472
2412	0.4012	-0.626	36.3239	12.6106	1.6923	0.3472
2412	0.4012	-0.626	36.324	12.6105	1.6923	0.3472
2412	0.4012	-0.626	36.3237	12.6104	1.6924	0.3472
2412	0.4012	-0.626	36.3236	12.6102	1.6924	0.3472
2412	0.4012	-0.626	36.3234	12.61	1.6924	0.3472
2437	0.3959	-0.6267	36.2098	12.644	1.7139	0.3492
2437	0.3959	-0.6267	36.2098	12.6442	1.7139	0.3492
2437	0.3958	-0.6267	36.2098	12.6443	1.714	0.3492
2437	0.3958	-0.6266	36.2097	12.6444	1.714	0.3492
2437	0.3958	-0.6267	36.2095	12.6444	1.7141	0.3492
2437	0.3958	-0.6267	36.2094	12.6445	1.7141	0.3492
2437	0.3958	-0.6266	36.2093	12.6447	1.7142	0.3492
2437	0.3958	-0.6267	36.209	12.6448	1.7142	0.3492
2437	0.3958	-0.6267	36.2087	12.6449	1.7143	0.3492
2437	0.3958	-0.6267	36.2085	12.6451	1.7143	0.3492
2437	0.3957	-0.6266	36.2082	12.6452	1.7144	0.3492

2437	0.3958	-0.6267	36.208	12.6454	1.7145	0.3492
2437	0.3957	-0.6267	36.2079	12.6455	1.7145	0.3492
2437	0.3957	-0.6267	36.2079	12.6455	1.7145	0.3492
2437	0.3957	-0.6267	36.2079	12.6456	1.7146	0.3493
2437	0.3957	-0.6267	36.2081	12.6456	1.7146	0.3492
2437	0.3956	-0.6267	36.2082	12.6457	1.7147	0.3492
2437	0.3956	-0.6267	36.2083	12.6458	1.7147	0.3493
2437	0.3956	-0.6267	36.2083	12.6459	1.7148	0.3493
2450	0.3924	-0.6273	36.1886	12.6716	1.7268	0.3502
2450	0.3923	-0.6273	36.1886	12.6717	1.7268	0.3502
2450	0.3924	-0.6273	36.1884	12.6718	1.7269	0.3502
2450	0.3924	-0.6273	36.1882	12.6718	1.7269	0.3502
2450	0.3924	-0.6273	36.188	12.6718	1.7269	0.3502
2450	0.3923	-0.6273	36.1877	12.6717	1.727	0.3502
2450	0.3923	-0.6273	36.1874	12.6716	1.727	0.3502
2450	0.3923	-0.6273	36.1874	12.6715	1.727	0.3502
2450	0.3923	-0.6273	36.1873	12.6715	1.727	0.3502
2450	0.3923	-0.6273	36.1872	12.6716	1.7271	0.3502
2450	0.3923	-0.6273	36.1874	12.6718	1.7272	0.3502
2450	0.3922	-0.6274	36.1875	12.6718	1.7272	0.3502
2450	0.3922	-0.6274	36.1877	12.6719	1.7273	0.3502
2450	0.3922	-0.6273	36.1879	12.6721	1.7273	0.3502
2450	0.3922	-0.6274	36.1881	12.6723	1.7274	0.3502
2450	0.3922	-0.6274	36.1884	12.6726	1.7275	0.3502
2450	0.3921	-0.6274	36.1885	12.6728	1.7275	0.3502
2450	0.3921	-0.6274	36.1885	12.673	1.7276	0.3502
2450	0.3921	-0.6274	36.1884	12.6731	1.7276	0.3502
2462	0.389	-0.6284	36.1955	12.684	1.7369	0.3504
2462	0.3889	-0.6284	36.1961	12.6841	1.737	0.3504
2462	0.3889	-0.6284	36.1964	12.6843	1.737	0.3504
2462	0.3889	-0.6284	36.1964	12.6846	1.7371	0.3504
2462	0.3889	-0.6284	36.1962	12.685	1.7372	0.3504
2462	0.3889	-0.6284	36.1959	12.6853	1.7373	0.3505
2462	0.3889	-0.6284	36.1955	12.6857	1.7374	0.3505
2462	0.3889	-0.6283	36.1951	12.6861	1.7375	0.3505
2462	0.3888	-0.6284	36.1948	12.6863	1.7375	0.3505
2462	0.3888	-0.6283	36.1946	12.6866	1.7376	0.3505
2462	0.3888	-0.6284	36.1944	12.6867	1.7377	0.3505
2462	0.3888	-0.6284	36.1944	12.6865	1.7377	0.3505

2462	0.3888	-0.6284	36.1946	12.6864	1.7377	0.3505
2462	0.3888	-0.6284	36.1948	12.6861	1.7377	0.3505
2462	0.3888	-0.6284	36.1951	12.6857	1.7377	0.3505
2462	0.3888	-0.6284	36.1955	12.6853	1.7377	0.3505
2462	0.3887	-0.6284	36.1957	12.685	1.7377	0.3505
2462	0.3887	-0.6285	36.196	12.6847	1.7376	0.3504
2462	0.3887	-0.6285	36.1962	12.6844	1.7376	0.3504

Measurement Report for Dipole, 2450.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	2450.000, 0	6.85	1.73	36.2

Hardware Setup

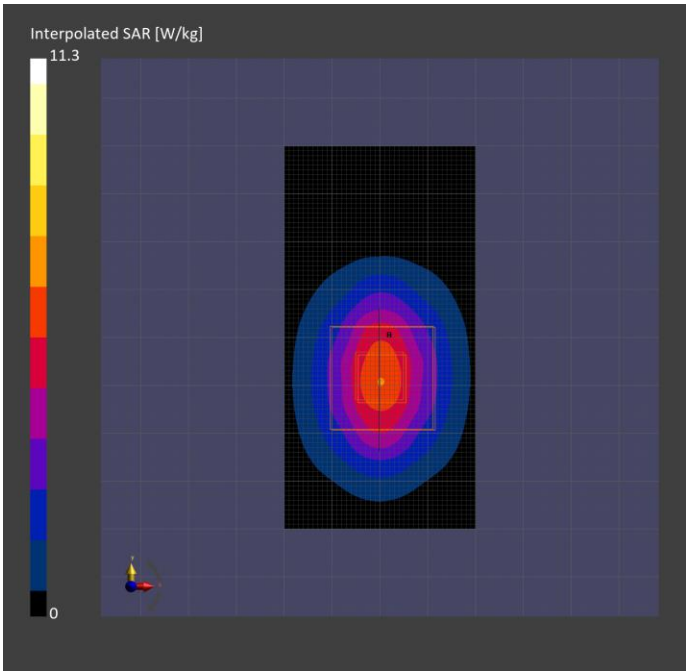
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jun-27	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	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
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	2024-06-27, 16:57	2024-06-27, 17:07
psSAR1g [W/kg]	5.07	5.12
psSAR10g [W/kg]	2.35	2.38
Power Drift [dB]	-0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		76.1
Dist 3dB Peak [mm]		9.1



; Name : DAK 3.5 Head 23.7 deg.C 2024-Jul-12 17:00:00						
; Date : 2024-Jul-12 17:00:00						
; Temperature(C) : 23.7						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
2400	0.3879	-0.6294	37.2479	13.0248	1.739	0.3497
2412	0.3852	-0.6304	37.2189	13.011	1.7455	0.3496
2412	0.3852	-0.6304	37.2188	13.0108	1.7455	0.3496
2412	0.3852	-0.6304	37.2187	13.0107	1.7455	0.3496
2412	0.3852	-0.6304	37.2186	13.0105	1.7456	0.3496
2412	0.3852	-0.6304	37.2185	13.0104	1.7456	0.3496
2412	0.3852	-0.6304	37.2185	13.0103	1.7456	0.3496
2412	0.3852	-0.6304	37.2183	13.0101	1.7456	0.3496
2412	0.3851	-0.6304	37.2182	13.0099	1.7456	0.3496
2412	0.3851	-0.6305	37.2181	13.0098	1.7457	0.3496
2412	0.3851	-0.6305	37.2179	13.0096	1.7457	0.3496
2412	0.3851	-0.6304	37.2176	13.0095	1.7457	0.3496
2412	0.3851	-0.6304	37.2174	13.0094	1.7457	0.3495
2412	0.3851	-0.6304	37.2174	13.0092	1.7457	0.3495
2412	0.3851	-0.6305	37.2173	13.0091	1.7458	0.3495
2412	0.3851	-0.6305	37.2169	13.009	1.7458	0.3495
2412	0.3851	-0.6305	37.2169	13.0089	1.7458	0.3495
2412	0.385	-0.6305	37.2168	13.0089	1.7458	0.3495
2412	0.385	-0.6305	37.2165	13.0088	1.7459	0.3495
2412	0.385	-0.6305	37.2164	13.0087	1.7459	0.3495
2437	0.3793	-0.6319	37.1458	13.0161	1.7643	0.3504
2437	0.3793	-0.6319	37.1459	13.016	1.7643	0.3504
2437	0.3793	-0.6319	37.1459	13.0162	1.7644	0.3504
2437	0.3793	-0.6319	37.1458	13.0164	1.7645	0.3504
2437	0.3793	-0.6319	37.1456	13.0167	1.7645	0.3504
2437	0.3793	-0.6319	37.1456	13.017	1.7646	0.3504
2437	0.3793	-0.6319	37.1455	13.0172	1.7647	0.3504
2437	0.3792	-0.6319	37.1454	13.0171	1.7647	0.3504
2437	0.3792	-0.6319	37.1453	13.0172	1.7648	0.3504
2437	0.3792	-0.6319	37.1452	13.0173	1.7648	0.3504
2437	0.3792	-0.6319	37.1452	13.0175	1.7649	0.3504

2437	0.3792	-0.6319	37.1451	13.0176	1.7649	0.3505
2437	0.3792	-0.6319	37.1451	13.0176	1.765	0.3505
2437	0.3792	-0.6319	37.145	13.0177	1.765	0.3505
2437	0.3792	-0.6319	37.1448	13.0178	1.7651	0.3505
2437	0.3791	-0.6319	37.1448	13.0178	1.7651	0.3505
2437	0.3791	-0.632	37.1446	13.0178	1.7651	0.3505
2437	0.3791	-0.632	37.1445	13.0178	1.7652	0.3505
2437	0.3791	-0.632	37.1444	13.0178	1.7652	0.3505
2450	0.3758	-0.6328	37.1343	13.0294	1.7755	0.3509
2450	0.3758	-0.6328	37.1343	13.0295	1.7756	0.3509
2450	0.3758	-0.6328	37.1344	13.0295	1.7756	0.3509
2450	0.3758	-0.6328	37.1344	13.0295	1.7756	0.3509
2450	0.3758	-0.6328	37.1345	13.0295	1.7757	0.3509
2450	0.3757	-0.6328	37.1345	13.0295	1.7757	0.3509
2450	0.3757	-0.6328	37.1346	13.0296	1.7758	0.3509
2450	0.3757	-0.6328	37.1346	13.0296	1.7758	0.3509
2450	0.3757	-0.6329	37.1346	13.0295	1.7758	0.3509
2450	0.3757	-0.6329	37.1346	13.0295	1.7759	0.3509
2450	0.3757	-0.6328	37.1345	13.0293	1.7759	0.3509
2450	0.3757	-0.6329	37.1344	13.0292	1.7759	0.3509
2450	0.3757	-0.6329	37.1343	13.0291	1.7759	0.3509
2450	0.3757	-0.6329	37.1341	13.0289	1.776	0.3509
2450	0.3757	-0.6329	37.134	13.0288	1.776	0.3509
2450	0.3757	-0.6329	37.1339	13.0286	1.776	0.3509
2450	0.3756	-0.6329	37.134	13.0284	1.776	0.3508
2450	0.3756	-0.6329	37.134	13.0281	1.776	0.3508
2450	0.3756	-0.6329	37.1341	13.0281	1.776	0.3508
2462	0.3726	-0.6339	37.1315	13.0291	1.7842	0.3509
2462	0.3726	-0.6339	37.1316	13.0292	1.7842	0.3509
2462	0.3726	-0.6339	37.1315	13.0292	1.7843	0.3509
2462	0.3726	-0.6339	37.1314	13.0292	1.7843	0.3509
2462	0.3726	-0.6339	37.1313	13.0293	1.7844	0.3509
2462	0.3726	-0.6339	37.1312	13.0293	1.7844	0.3509
2462	0.3726	-0.6339	37.1311	13.0294	1.7844	0.3509
2462	0.3725	-0.6339	37.131	13.0295	1.7845	0.3509
2462	0.3726	-0.6339	37.131	13.0296	1.7845	0.3509
2462	0.3725	-0.6339	37.1309	13.0297	1.7846	0.3509
2462	0.3725	-0.6339	37.1309	13.0297	1.7846	0.3509
2462	0.3725	-0.6339	37.1308	13.0297	1.7847	0.3509

2462	0.3725	-0.6339	37.1308	13.0297	1.7847	0.3509
2462	0.3725	-0.6339	37.1309	13.0296	1.7847	0.3509
2462	0.3725	-0.634	37.1309	13.0295	1.7848	0.3509
2462	0.3724	-0.634	37.1309	13.0295	1.7848	0.3509
2462	0.3724	-0.634	37.131	13.0294	1.7848	0.3509
2462	0.3724	-0.634	37.1309	13.0292	1.7848	0.3509
2462	0.3724	-0.634	37.131	13.0291	1.7849	0.3509

Measurement Report for Dipole, 2450.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	2450.000, 0	6.77	1.78	37.1

Hardware Setup

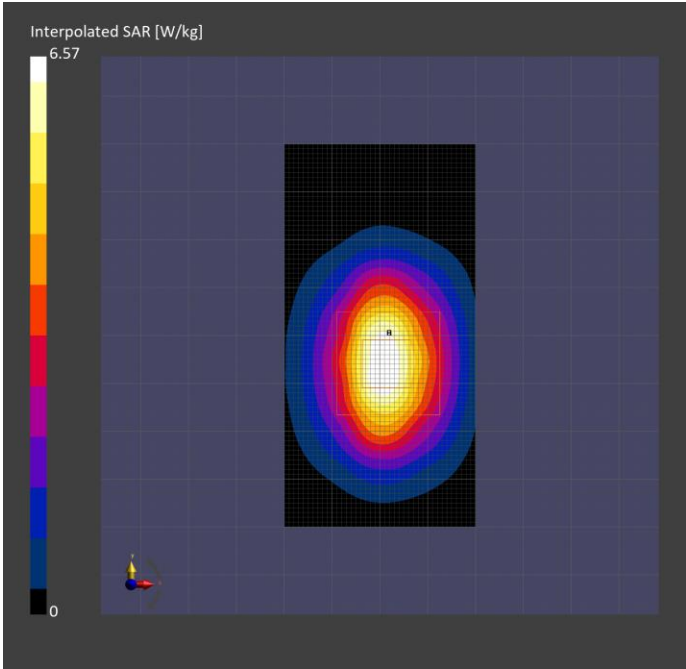
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-12	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	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
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	2024-07-12, 17:12	2024-07-12, 17:22
psSAR1g [W/kg]	5.08	5.15
psSAR10g [W/kg]	2.38	2.42
Power Drift [dB]	-0.05	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		9.0



5250MHz

; Name : DAK 3.5 Head 23.7 deg.C 2024-Jul-01 15:13:09						
; Date : 2024-Jul-01 15:13:09						
; Temperature(C) : 23.7						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
5180	-0.1758	-0.5957	36.0513	15.1399	4.3624	0.42
5180	-0.1758	-0.5957	36.0511	15.14	4.3626	0.42
5180	-0.1758	-0.5957	36.0508	15.1402	4.3628	0.42
5180	-0.1758	-0.5957	36.0504	15.1401	4.3628	0.42
5180	-0.1758	-0.5957	36.0497	15.14	4.3629	0.42
5180	-0.1759	-0.5957	36.049	15.1398	4.3629	0.42
5180	-0.1759	-0.5957	36.0483	15.1396	4.363	0.42
5180	-0.1758	-0.5957	36.0478	15.1392	4.363	0.42
5239	-0.1826	-0.592	35.9664	15.1852	4.4262	0.4222
5240	-0.1826	-0.592	35.9662	15.1852	4.4263	0.4222
5240	-0.1826	-0.592	35.9661	15.1853	4.4264	0.4222
5240	-0.1827	-0.5919	35.9658	15.1853	4.4265	0.4222
5240	-0.1826	-0.592	35.9654	15.1853	4.4267	0.4222
5240	-0.1827	-0.5919	35.965	15.1854	4.4268	0.4222
5240	-0.1827	-0.5919	35.9645	15.1855	4.4269	0.4222
5250	-0.1835	-0.5914	35.943	15.1899	4.4359	0.4226
5250	-0.1836	-0.5914	35.943	15.19	4.436	0.4226
5250	-0.1836	-0.5914	35.9429	15.1899	4.4361	0.4226
5250	-0.1836	-0.5914	35.9427	15.1899	4.4362	0.4226
5250	-0.1836	-0.5914	35.9424	15.19	4.4363	0.4226
5250	-0.1836	-0.5914	35.9421	15.1901	4.4365	0.4226
5250	-0.1836	-0.5913	35.9417	15.1901	4.4366	0.4226
5250	-0.1836	-0.5913	35.9414	15.1901	4.4367	0.4226

Measurement Report for Dipole, 5250.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5250.000, 0	5.0	4.44	35.9

Hardware Setup

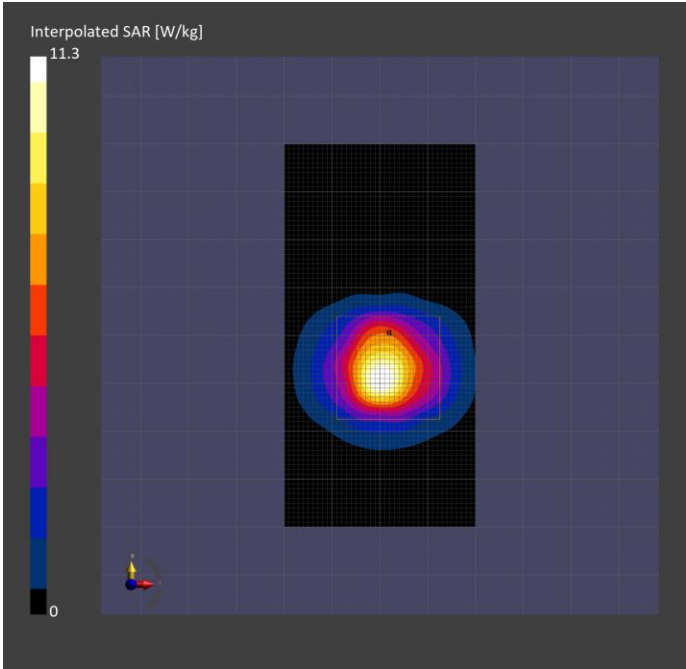
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-01	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-01, 15:40	2024-07-01, 15:57
psSAR1g [W/kg]	7.30	8.08
psSAR10g [W/kg]	2.18	2.34
Power Drift [dB]	0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		67.0
Dist 3dB Peak [mm]		7.4



; Name : DAK 3.5 Head 22.4 deg.C 2024-Jul-02 15:33:05						
; Date : 2024-Jul-02 15:33:05						
; Temperature(C) : 22.4						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
5180	-0.13	-0.5945	33.5735	14.7498	4.25	0.4393
5180	-0.13	-0.5944	33.5726	14.7497	4.2501	0.4393
5180	-0.13	-0.5945	33.5717	14.7494	4.2501	0.4393
5180	-0.13	-0.5945	33.5707	14.7491	4.2501	0.4393
5180	-0.13	-0.5945	33.5697	14.7488	4.2502	0.4393
5180	-0.1299	-0.5945	33.5688	14.7484	4.2502	0.4393
5180	-0.1299	-0.5944	33.568	14.7482	4.2502	0.4394
5180	-0.1299	-0.5945	33.5671	14.7481	4.2503	0.4394
5239	-0.1356	-0.59	33.4122	14.8351	4.3241	0.444
5240	-0.1356	-0.5899	33.412	14.8351	4.3242	0.444
5240	-0.1356	-0.59	33.4118	14.8352	4.3244	0.444
5240	-0.1356	-0.59	33.4118	14.8354	4.3245	0.444
5240	-0.1357	-0.5899	33.4119	14.8358	4.3248	0.444
5240	-0.1357	-0.5899	33.4121	14.8364	4.325	0.444
5240	-0.1357	-0.5899	33.4125	14.837	4.3253	0.4441
5249	-0.137	-0.5893	33.4117	14.8518	4.3372	0.4445
5250	-0.137	-0.5893	33.4116	14.8518	4.3373	0.4445
5250	-0.137	-0.5893	33.4116	14.8518	4.3374	0.4445
5250	-0.1371	-0.5893	33.4117	14.852	4.3375	0.4445
5250	-0.1371	-0.5893	33.412	14.8522	4.3377	0.4445
5250	-0.1371	-0.5892	33.4123	14.8524	4.3379	0.4445
5250	-0.1371	-0.5892	33.4126	14.8528	4.3381	0.4445
5250	-0.1372	-0.5892	33.413	14.853	4.3382	0.4445

Measurement Report for Dipole, 5250.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5250.000, 0	5.0	4.44	35.9

Hardware Setup

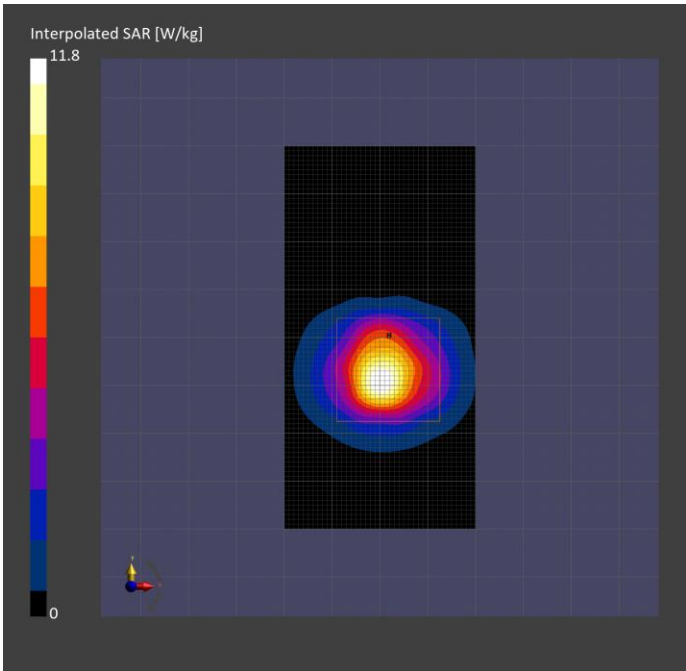
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-01	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-02, 15:51	2024-07-02, 16:09
psSAR1g [W/kg]	7.55	8.20
psSAR10g [W/kg]	2.24	2.38
Power Drift [dB]	-0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		67.3
Dist 3dB Peak [mm]		7.6



; Name : DAK 3.5 Head 22 deg.C 2024-Jul-05 15:57:00						
; Date : 2024-Jul-05 15:57:00						
; Temperature(C) : 22						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	RefIR	ReflI	EpsR	EpsI	Sigma	TanD
5180	-0.1231	-0.5957	33.2307	14.6054	4.2084	0.4395
5180	-0.1231	-0.5957	33.2308	14.6059	4.2087	0.4395
5180	-0.1231	-0.5957	33.2306	14.6063	4.2089	0.4395
5180	-0.1231	-0.5957	33.2303	14.6065	4.209	0.4396
5180	-0.1231	-0.5957	33.2296	14.6064	4.2091	0.4396
5180	-0.1231	-0.5957	33.2286	14.6063	4.2092	0.4396
5180	-0.1231	-0.5957	33.2272	14.6062	4.2093	0.4396
5180	-0.1231	-0.5957	33.2258	14.6059	4.2093	0.4396
5239	-0.1307	-0.5904	33.1644	14.7588	4.3019	0.445
5240	-0.1308	-0.5904	33.1645	14.7588	4.302	0.445
5240	-0.1308	-0.5904	33.1646	14.7588	4.3021	0.445
5240	-0.1308	-0.5904	33.1647	14.7588	4.3022	0.445
5240	-0.1308	-0.5904	33.1648	14.7588	4.3023	0.445
5240	-0.1308	-0.5903	33.1648	14.7588	4.3024	0.445
5240	-0.1308	-0.5903	33.1649	14.7589	4.3025	0.445
5250	-0.1322	-0.5901	33.1705	14.7519	4.308	0.4447
5250	-0.1321	-0.5902	33.1702	14.7517	4.308	0.4447
5250	-0.1322	-0.5902	33.1699	14.7515	4.3081	0.4447
5250	-0.1322	-0.5901	33.1699	14.7514	4.3082	0.4447
5250	-0.1322	-0.5902	33.17	14.7513	4.3082	0.4447
5250	-0.1322	-0.5901	33.1701	14.7513	4.3083	0.4447
5250	-0.1323	-0.5901	33.1704	14.7512	4.3084	0.4447
5250	-0.1323	-0.5901	33.1706	14.751	4.3084	0.4447

Measurement Report for Dipole, 5250.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5250.000, 0	5.0	4.31	33.2

Hardware Setup

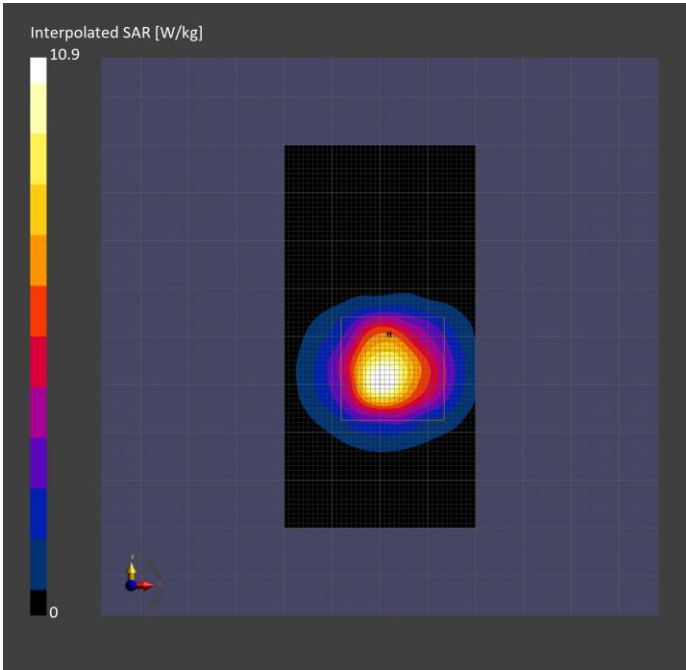
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-05	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-05, 16:10	2024-07-05, 16:21
psSAR1g [W/kg]	7.03	7.80
psSAR10g [W/kg]	2.12	2.24
Power Drift [dB]	0.15	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		66.8
Dist 3dB Peak [mm]		7.6



; Name : DAK 3.5 Head 19 deg.C 2024-Jul-10 16:47:30						
; Date : 2024-Jul-10 16:47:30						
; Temperature(C) : 19						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
5180	-0.1184	-0.581	32.8161	15.3031	4.4095	0.4663
5180	-0.1185	-0.581	32.8155	15.3033	4.4096	0.4663
5180	-0.1185	-0.581	32.8149	15.3035	4.4098	0.4664
5180	-0.1185	-0.581	32.8145	15.3035	4.4099	0.4664
5180	-0.1185	-0.581	32.814	15.3035	4.41	0.4664
5180	-0.1184	-0.581	32.8134	15.3035	4.4101	0.4664
5180	-0.1185	-0.581	32.813	15.3036	4.4102	0.4664
5180	-0.1185	-0.581	32.8125	15.3036	4.4104	0.4664
5239	-0.1263	-0.5762	32.7639	15.439	4.5002	0.4712
5240	-0.1263	-0.5761	32.764	15.439	4.5003	0.4712
5240	-0.1263	-0.5761	32.764	15.439	4.5004	0.4712
5240	-0.1263	-0.5761	32.7641	15.439	4.5005	0.4712
5240	-0.1264	-0.5761	32.7641	15.439	4.5006	0.4712
5240	-0.1264	-0.5761	32.7641	15.4389	4.5007	0.4712
5240	-0.1264	-0.5761	32.764	15.4388	4.5007	0.4712
5250	-0.1275	-0.576	32.7588	15.427	4.5051	0.4709
5250	-0.1275	-0.576	32.7588	15.427	4.5052	0.4709
5250	-0.1275	-0.576	32.7588	15.427	4.5054	0.4709
5250	-0.1275	-0.576	32.7589	15.4269	4.5054	0.4709
5250	-0.1275	-0.576	32.7588	15.4268	4.5055	0.4709
5250	-0.1276	-0.576	32.7586	15.4267	4.5056	0.4709
5250	-0.1276	-0.576	32.7584	15.4267	4.5057	0.4709
5250	-0.1276	-0.5759	32.7582	15.4265	4.5057	0.4709

Measurement Report for Dipole, 5250.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5250.000, 0	4.98	4.51	32.8

Hardware Setup

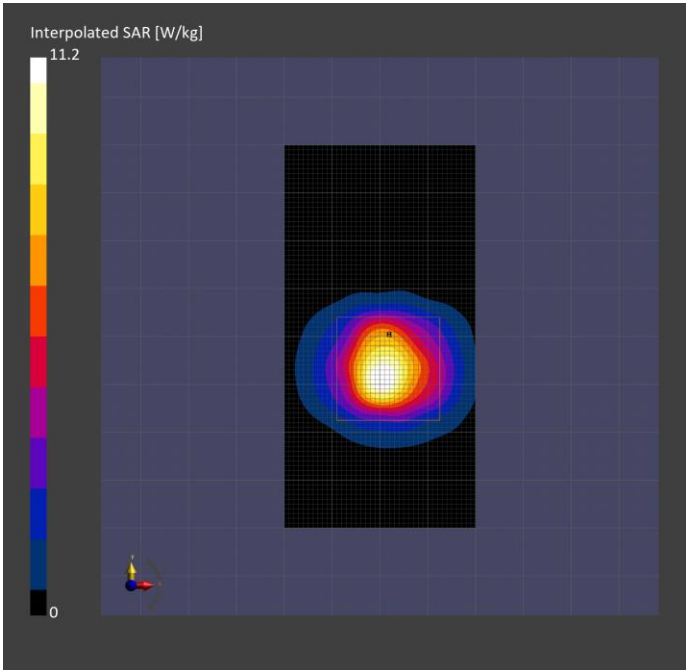
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-10	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-10, 18:02	2024-07-10, 18:19
psSAR1g [W/kg]	7.26	8.16
psSAR10g [W/kg]	2.20	2.35
Power Drift [dB]	-0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		64.4
Dist 3dB Peak [mm]		7.4



; Name : DAK 3.5 Head 22.4 deg.C 2024-Sep-05 16:11:51						
; Date : 2024-Sep-05 16:11:51						
; Temperature(C) : 22.4						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
5150	-0.1268	-0.598	33.6488	14.6353	4.193	0.4349
5180	-0.13	-0.5964	33.5975	14.6472	4.2205	0.436
5180	-0.13	-0.5965	33.5971	14.6471	4.2206	0.436
5180	-0.13	-0.5964	33.5966	14.6472	4.2207	0.436
5180	-0.13	-0.5965	33.5961	14.647	4.2207	0.436
5180	-0.13	-0.5964	33.5955	14.6468	4.2208	0.436
5180	-0.13	-0.5965	33.5951	14.6466	4.2208	0.436
5180	-0.13	-0.5964	33.5949	14.6465	4.2209	0.436
5180	-0.1301	-0.5964	33.5945	14.6463	4.2209	0.436
5180	-0.1301	-0.5964	33.5944	14.6462	4.221	0.436
5240	-0.1368	-0.5929	33.5038	14.6962	4.2837	0.4386
5240	-0.1368	-0.5929	33.5036	14.6962	4.2838	0.4386
5240	-0.1368	-0.5929	33.5034	14.6961	4.2839	0.4386
5240	-0.1368	-0.5929	33.5032	14.6961	4.284	0.4386
5240	-0.1368	-0.5929	33.5029	14.696	4.2841	0.4386
5240	-0.1368	-0.5928	33.5026	14.6959	4.2842	0.4386
5240	-0.1368	-0.5929	33.5024	14.6959	4.2843	0.4387
5250	-0.1378	-0.5923	33.4866	14.7034	4.2939	0.4391
5250	-0.1378	-0.5923	33.4865	14.7036	4.2941	0.4391
5250	-0.1379	-0.5923	33.4863	14.7037	4.2942	0.4391
5250	-0.1379	-0.5923	33.4862	14.7037	4.2943	0.4391
5250	-0.1379	-0.5923	33.4862	14.7037	4.2944	0.4391
5250	-0.1379	-0.5923	33.486	14.7039	4.2946	0.4391
5250	-0.1379	-0.5923	33.4857	14.7041	4.2948	0.4391
5250	-0.1379	-0.5922	33.4855	14.7042	4.2949	0.4391

Measurement Report for Device, 5250.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5250.000, 0	5.0	4.29	33.5

Hardware Setup

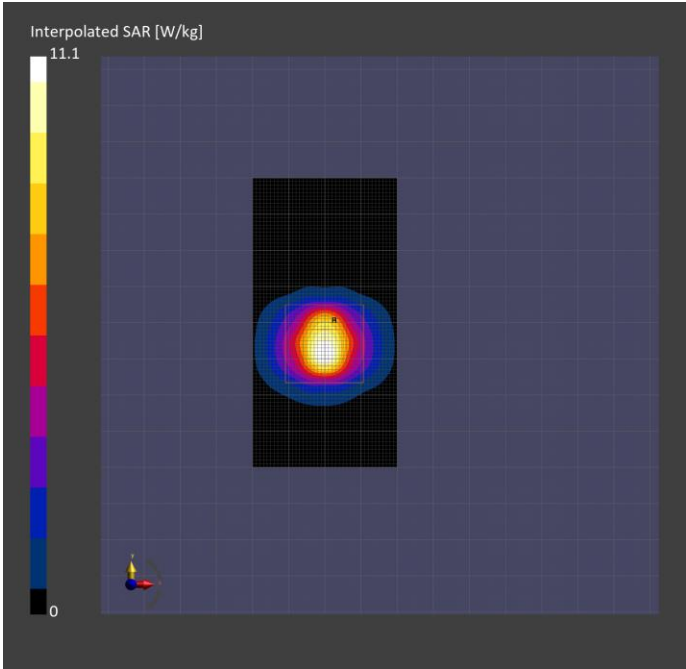
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024-Sep- 05	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface	All points	All points
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-09-05, 16:28	2024-09-05, 16:39
psSAR1g [W/kg]	7.42	8.29
psSAR10g [W/kg]	2.23	2.39
Power Drift [dB]	0.08	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		66.0
Dist 3dB Peak [mm]		7.4



5750MHz

; Name : DAK 3.5 Head 20 deg.C 2024-Jul-05 18:55:45						
; Date : 2024-Jul-05 18:55:45						
; Temperature(C) : 20						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
5650	-0.1812	-0.5541	32.8289	15.7893	4.9629	0.481
5745	-0.1849	-0.5465	32.3861	15.9021	5.0819	0.491
5745	-0.185	-0.5465	32.3873	15.9031	5.0823	0.491
5745	-0.185	-0.5465	32.3885	15.904	5.0827	0.491
5745	-0.185	-0.5465	32.3897	15.905	5.0832	0.4911
5745	-0.1851	-0.5465	32.391	15.9059	5.0836	0.4911
5745	-0.1851	-0.5464	32.3922	15.9067	5.0839	0.4911
5745	-0.1852	-0.5464	32.3935	15.9075	5.0843	0.4911
5745	-0.1852	-0.5464	32.3948	15.9082	5.0846	0.4911
5750	-0.1866	-0.546	32.4405	15.9314	5.0958	0.4911
5750	-0.1866	-0.546	32.4417	15.932	5.0961	0.4911
5750	-0.1867	-0.546	32.443	15.9324	5.0964	0.4911
5750	-0.1867	-0.546	32.4443	15.933	5.0966	0.4911
5750	-0.1867	-0.546	32.4457	15.9334	5.0969	0.4911
5750	-0.1868	-0.546	32.4471	15.9341	5.0972	0.4911
5750	-0.1869	-0.5459	32.4485	15.9347	5.0975	0.4911
5750	-0.1869	-0.5459	32.45	15.9352	5.0978	0.4911
5825	-0.1887	-0.5488	32.1477	15.5527	5.0395	0.4838
5825	-0.1887	-0.5487	32.1463	15.553	5.0397	0.4838
5825	-0.1887	-0.5487	32.145	15.5534	5.0399	0.4839
5825	-0.1887	-0.5487	32.1435	15.5537	5.0401	0.4839
5825	-0.1887	-0.5487	32.142	15.554	5.0403	0.4839
5825	-0.1887	-0.5487	32.1406	15.5542	5.0405	0.4839
5825	-0.1887	-0.5487	32.139	15.5545	5.0407	0.484
5825	-0.1886	-0.5486	32.1376	15.5548	5.0409	0.484

Measurement Report for Dipole, 5750.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5750.000, 0	4.52	5.10	32.4

Hardware Setup

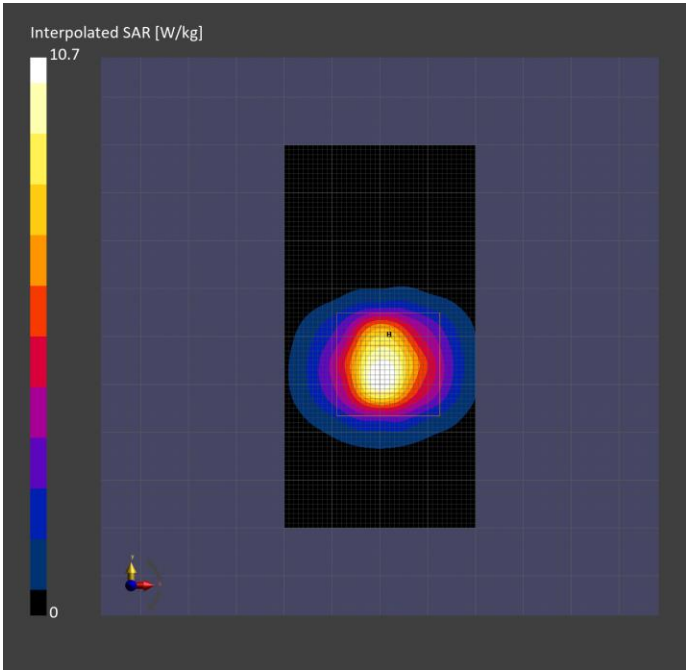
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-05	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-05, 20:03	2024-07-05, 20:20
psSAR1g [W/kg]	7.33	8.33
psSAR10g [W/kg]	2.22	2.39
Power Drift [dB]	0.16	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		7.6



; Name : DAK 3.5 Head 22.2 deg.C 2024-Jul-08 15:35:54						
; Date : 2024-Jul-08 15:35:54						
; Temperature(C) : 22.2						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
5650	-0.2106	-0.5603	34.5022	15.7194	4.9409	0.4556
5745	-0.2193	-0.5546	34.3534	15.7765	5.0417	0.4592
5745	-0.2193	-0.5546	34.3531	15.7764	5.0419	0.4592
5745	-0.2194	-0.5546	34.3527	15.7766	5.042	0.4593
5745	-0.2194	-0.5546	34.3525	15.7767	5.0422	0.4593
5745	-0.2193	-0.5546	34.3524	15.7768	5.0423	0.4593
5745	-0.2194	-0.5545	34.3523	15.7769	5.0424	0.4593
5745	-0.2194	-0.5546	34.3522	15.777	5.0426	0.4593
5745	-0.2194	-0.5545	34.3521	15.7771	5.0427	0.4593
5750	-0.2198	-0.5542	34.3456	15.7818	5.0479	0.4595
5750	-0.2198	-0.5542	34.3452	15.7818	5.0481	0.4595
5750	-0.2198	-0.5542	34.3448	15.782	5.0482	0.4595
5750	-0.2198	-0.5542	34.3444	15.782	5.0483	0.4595
5750	-0.2198	-0.5542	34.3442	15.782	5.0485	0.4595
5750	-0.2198	-0.5542	34.344	15.782	5.0486	0.4595
5750	-0.2199	-0.5542	34.3438	15.7819	5.0486	0.4595
5750	-0.2199	-0.5542	34.3437	15.7819	5.0488	0.4595
5825	-0.2269	-0.5496	34.2478	15.8365	5.1314	0.4624
5825	-0.2269	-0.5496	34.2476	15.8365	5.1315	0.4624
5825	-0.2269	-0.5496	34.2473	15.8366	5.1317	0.4624
5825	-0.2269	-0.5496	34.2469	15.8367	5.1318	0.4624
5825	-0.2269	-0.5496	34.2465	15.8367	5.1319	0.4624
5825	-0.2269	-0.5496	34.2459	15.8366	5.132	0.4624
5825	-0.2269	-0.5496	34.2456	15.8365	5.1321	0.4624
5825	-0.2269	-0.5496	34.2453	15.8364	5.1322	0.4624

Measurement Report for Dipole, 5750.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5750.000, 0	4.52	5.05	34.3

Hardware Setup

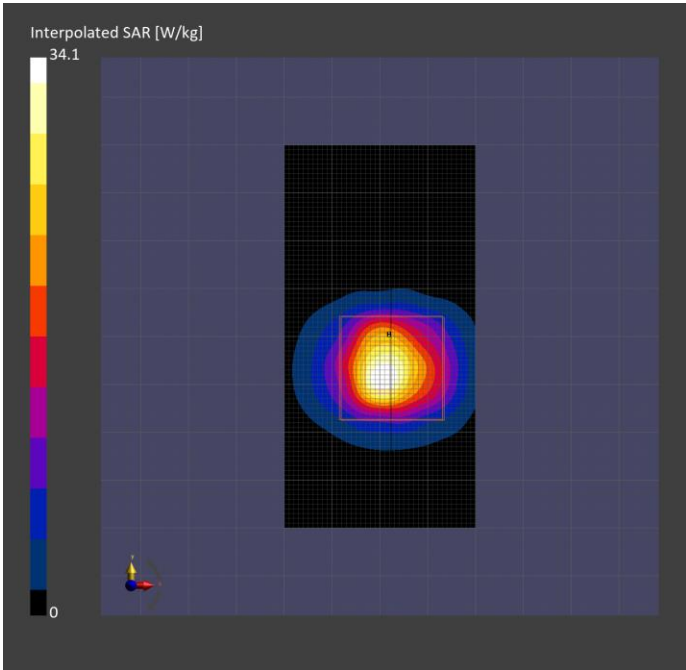
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-08	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-08, 16:08	2024-07-08, 16:25
psSAR1g [W/kg]	7.18	8.19
psSAR10g [W/kg]	2.20	2.37
Power Drift [dB]	0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		61.5
Dist 3dB Peak [mm]		7.6



; Name : DAK 3.5 Head 20.5 deg.C 2024-Jul-09 15:08:42						
; Date : 2024-Jul-09 15:08:42						
; Temperature(C) : 20.5						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
5650	-0.1675	-0.5583	32.1464	15.418	4.8461	0.4796
5745	-0.1757	-0.5527	31.9624	15.4777	4.9463	0.4842
5745	-0.1757	-0.5527	31.9622	15.478	4.9465	0.4843
5745	-0.1757	-0.5527	31.9619	15.4783	4.9467	0.4843
5745	-0.1757	-0.5527	31.9614	15.4786	4.9469	0.4843
5745	-0.1757	-0.5527	31.9612	15.4788	4.947	0.4843
5745	-0.1757	-0.5526	31.9609	15.4789	4.9472	0.4843
5745	-0.1758	-0.5526	31.9607	15.4791	4.9474	0.4843
5745	-0.1758	-0.5526	31.9606	15.4792	4.9475	0.4843
5750	-0.1762	-0.5524	31.9559	15.4821	4.9521	0.4845
5750	-0.1762	-0.5524	31.9558	15.4822	4.9522	0.4845
5750	-0.1763	-0.5524	31.9558	15.4823	4.9524	0.4845
5750	-0.1762	-0.5523	31.9555	15.4825	4.9526	0.4845
5750	-0.1762	-0.5524	31.9554	15.4828	4.9527	0.4845
5750	-0.1763	-0.5524	31.9552	15.4829	4.9529	0.4845
5750	-0.1763	-0.5524	31.9551	15.4832	4.9531	0.4845
5750	-0.1763	-0.5523	31.9548	15.4836	4.9533	0.4845
5825	-0.1828	-0.5484	31.8321	15.5073	5.0248	0.4872
5825	-0.1828	-0.5485	31.832	15.5076	5.025	0.4872
5825	-0.1828	-0.5485	31.8318	15.5079	5.0252	0.4872
5825	-0.1828	-0.5484	31.8317	15.5082	5.0254	0.4872
5825	-0.1829	-0.5484	31.8315	15.5085	5.0256	0.4872
5825	-0.1829	-0.5484	31.8314	15.5088	5.0258	0.4872
5825	-0.1829	-0.5484	31.8313	15.509	5.0259	0.4872
5825	-0.1829	-0.5484	31.831	15.5091	5.0261	0.4872

..

Measurement Report for Dipole, 5750.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5750.000, 0	4.52	4.95	32.0

Hardware Setup

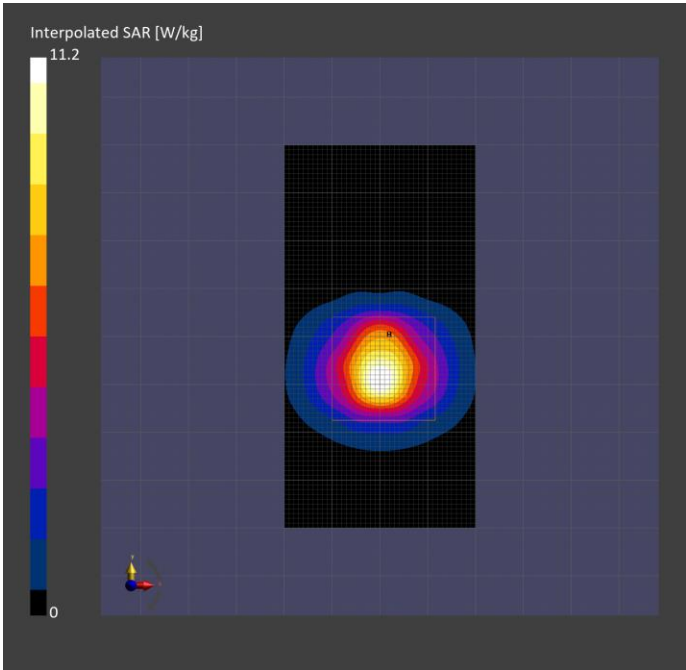
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-09	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-09, 15:23	2024-07-09, 15:40
psSAR1g [W/kg]	7.29	8.10
psSAR10g [W/kg]	2.16	2.34
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		7.6



; Name : DAK 3.5 Head 21.3 deg.C 2024-Jul-10 14:47:05						
; Date : 2024-Jul-10 14:47:05						
; Temperature(C) : 21.3						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
; MHz	RefIR	RefII	EpsR	EpsI	Sigma	TanD
5650	-0.1687	-0.5623	32.2508	15.2263	4.7859	0.4721
5745	-0.177	-0.556	32.0655	15.3174	4.895	0.4777
5745	-0.177	-0.556	32.0653	15.3176	4.8952	0.4777
5745	-0.1771	-0.556	32.065	15.3178	4.8954	0.4777
5745	-0.1771	-0.556	32.0648	15.318	4.8956	0.4777
5745	-0.1771	-0.556	32.0647	15.3182	4.8957	0.4777
5745	-0.1771	-0.556	32.0644	15.3182	4.8958	0.4777
5745	-0.1771	-0.556	32.0643	15.3182	4.8959	0.4777
5745	-0.1771	-0.5559	32.0643	15.318	4.896	0.4777
5750	-0.1775	-0.5557	32.0567	15.3204	4.9004	0.4779
5750	-0.1775	-0.5557	32.0566	15.3204	4.9005	0.4779
5750	-0.1775	-0.5557	32.0564	15.3206	4.9006	0.4779
5750	-0.1775	-0.5557	32.0561	15.3207	4.9008	0.4779
5750	-0.1775	-0.5557	32.0559	15.3208	4.9009	0.4779
5750	-0.1775	-0.5556	32.0555	15.3211	4.9011	0.478
5750	-0.1775	-0.5557	32.0551	15.3215	4.9014	0.478
5750	-0.1776	-0.5557	32.0547	15.3219	4.9016	0.478
5825	-0.184	-0.5511	31.9207	15.3784	4.983	0.4818
5825	-0.184	-0.5511	31.9205	15.3786	4.9832	0.4818
5825	-0.184	-0.5511	31.9201	15.3788	4.9833	0.4818
5825	-0.184	-0.5511	31.9197	15.3789	4.9835	0.4818
5825	-0.184	-0.5511	31.9194	15.3791	4.9836	0.4818
5825	-0.184	-0.5511	31.9189	15.3792	4.9838	0.4818
5825	-0.184	-0.5511	31.9187	15.3794	4.9839	0.4818
5825	-0.184	-0.5511	31.9185	15.3796	4.9841	0.4818

Measurement Report for Dipole, 5750.000MHz

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5750.000, 0	4.52	4.90	32.1

Hardware Setup

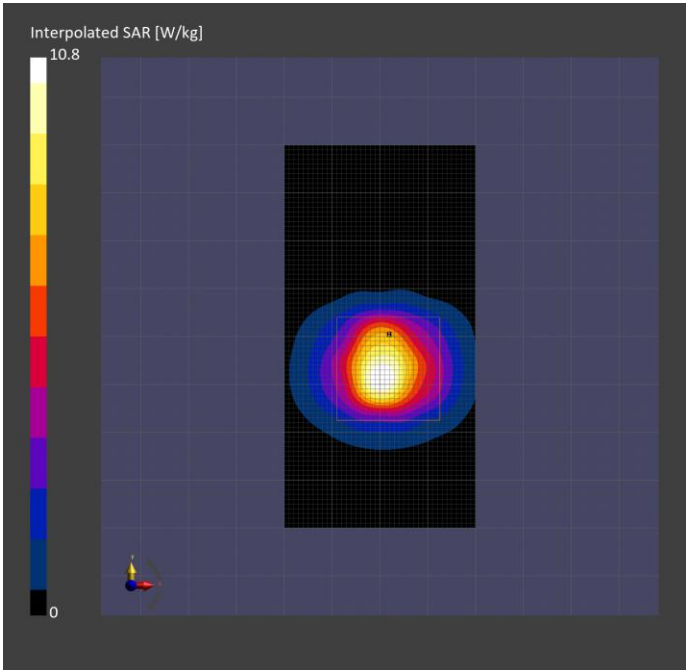
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2191	HBBL-600-10000 SLAAHU16BC221222-1, 2024- Jul-10	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-07-10, 15:01	2024-07-10, 15:14
psSAR1g [W/kg]	7.15	8.01
psSAR10g [W/kg]	2.14	2.30
Power Drift [dB]	-0.08	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		60.8
Dist 3dB Peak [mm]		7.9



; Name : DAK 3.5 Head 23 deg.C 2024-Sep-05 19:09:24						
; Date : 2024-Sep-05 19:09:24						
; Temperature(C) : 23						
; Probe : DAK 3.5						
; Network Analyzer : Keysight ENA						
MHz	ReflR	ReflI	EpsR	EpsI	Sigma	TanD
5650	-0.1872	-0.5659	33.2677	15.2156	4.7825	0.4574
5745	-0.1968	-0.5603	33.1588	15.2784	4.8826	0.4608
5745	-0.1968	-0.5603	33.1586	15.2781	4.8826	0.4608
5745	-0.1968	-0.5603	33.1583	15.2779	4.8826	0.4608
5745	-0.1968	-0.5603	33.158	15.2778	4.8827	0.4608
5745	-0.1968	-0.5603	33.1576	15.2778	4.8828	0.4608
5745	-0.1969	-0.5603	33.1571	15.2778	4.8829	0.4608
5745	-0.1969	-0.5603	33.1566	15.2778	4.883	0.4608
5745	-0.1969	-0.5603	33.1562	15.2778	4.8831	0.4608
5750	-0.1971	-0.56	33.1413	15.2771	4.8865	0.461
5750	-0.1971	-0.56	33.1408	15.2772	4.8867	0.461
5750	-0.1971	-0.56	33.1402	15.2774	4.8868	0.461
5750	-0.1971	-0.56	33.1396	15.2776	4.887	0.461
5750	-0.1971	-0.56	33.1391	15.2778	4.8872	0.461
5750	-0.1971	-0.56	33.1388	15.2778	4.8873	0.461
5750	-0.1971	-0.56	33.1385	15.2779	4.8874	0.461
5750	-0.1972	-0.56	33.1382	15.2778	4.8875	0.461
5825	-0.2038	-0.5548	33.0128	15.3683	4.9797	0.4655
5825	-0.2038	-0.5548	33.0126	15.3684	4.9798	0.4655
5825	-0.2038	-0.5548	33.0126	15.3685	4.98	0.4655
5825	-0.2039	-0.5548	33.0124	15.3685	4.9801	0.4655
5825	-0.2039	-0.5547	33.0124	15.3687	4.9803	0.4655
5825	-0.2039	-0.5547	33.0125	15.3688	4.9804	0.4655
5825	-0.2039	-0.5547	33.0126	15.369	4.9806	0.4655
5825	-0.2039	-0.5547	33.0128	15.3692	4.9808	0.4656
5850	-0.2066	-0.5538	33.0034	15.3614	4.9993	0.4654

Measurement Report for Device, 5750.000MHz

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5750.000, 0	4.55	4.89	33.1

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-Sep- 05	EX3DV4 - SN7783, 2024-04-12	DAE4 Sn1724, 2024-03-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface	All points	All points
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-09-05, 20:20	2024-09-05, 20:37
psSAR1g [W/kg]	7.20	8.12
psSAR10g [W/kg]	2.14	2.31
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive	Positive
M2/M1 [%]		61.3
Dist 3dB Peak [mm]		7.6

