

Appendix B: Tissue Stimulating Liquids, System Checks and System Validation

B.1. SAR System Check

Prior to SAR assessment, the system is verified to $\pm 10\%$ of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in Section B.4.

Table 1 System Check Results (SAR)

System	Frequency (MHz)	Tissue Type	Date	Amb. Temp. (°C)	Tissue Temp (°C)	Input Power (dBm)	Verification Source SN	Probe SN	DAE SN	Measured 1g SAR (W/Kg)	1W Target 1g SAR (W/Kg)	1W Normalized 1g SAR (W/Kg)	1g SAR Deviation	Measured 10g SAR (W/Kg)	1W Target 10g SAR (W/Kg)	1W Normalized 10g SAR (W/Kg)	10g SAR Deviation	Measured APD 4 cm ² (W/m ²)	1W target APD 4cm ² (W/m ²)	1W Normalized APD 4cm ² (W/m ²)	APD 4cm ² Deviation
Gamma	13	Head	11/24/2025	22.8	22.2	24.5	1041	7872	1843	0.124	0.457	0.440	-3.73%	0.076	0.296	0.270	-8.90%	N/A	N/A	N/A	N/A
Delta	750	Head	09/09/2025	21.5	21.3	17	1235	7853	1844	0.417	8.690	8.320	-4.25%	0.274	5.690	5.467	-3.92%	N/A	N/A	N/A	N/A
Delta	750	Head	09/11/2025	23.2	21.5	17	1235	7853	1844	0.412	8.690	8.220	-5.40%	0.271	5.690	5.407	-4.97%	N/A	N/A	N/A	N/A
Delta	750	Head	09/14/2025	23.9	22.5	17	1235	7853	1844	0.418	8.690	8.340	-4.03%	0.275	5.690	5.487	-3.57%	N/A	N/A	N/A	N/A
Delta	750	Head	10/15/2025	23.1	21.1	17	1235	7853	1844	0.419	8.690	8.360	-3.80%	0.277	5.690	5.527	-2.87%	N/A	N/A	N/A	N/A
Delta	750	Head	10/27/2025	24.3	22.2	17	1235	7853	1844	0.417	8.690	8.320	-4.25%	0.275	5.690	5.487	-3.57%	N/A	N/A	N/A	N/A
Alpha	750	Head	11/06/2025	23.1	21.9	17	1235	7836	1839	0.404	8.690	8.061	-7.24%	0.267	5.690	5.327	-6.37%	N/A	N/A	N/A	N/A
Alpha	750	Head	11/22/2025	22.4	22.3	17	1235	7836	1839	0.399	8.690	7.961	-8.39%	0.264	5.690	5.267	-7.43%	N/A	N/A	N/A	N/A
Delta	750	Head	12/07/2025	21.1	20.9	17	1235	7853	1844	0.422	8.690	8.420	-3.11%	0.278	5.690	5.547	-2.52%	N/A	N/A	N/A	N/A
Delta	835	Head	09/09/2025	21.5	21.3	17	4d311	7853	1844	0.498	9.820	9.936	1.19%	0.326	6.370	6.505	2.11%	N/A	N/A	N/A	N/A
Gamma	835	Head	09/19/2025	23.2	21.7	17	4d311	7872	1843	0.502	9.820	10.016	2.00%	0.330	6.370	6.584	3.37%	N/A	N/A	N/A	N/A
Delta	835	Head	09/22/2025	22.3	20.6	17	4d311	7853	1844	0.505	9.820	10.076	2.61%	0.331	6.370	6.604	3.68%	N/A	N/A	N/A	N/A
Gamma	835	Head	11/13/2025	21.9	21.0	17	4d311	7872	1843	0.509	9.820	10.156	3.42%	0.336	6.370	6.704	5.24%	N/A	N/A	N/A	N/A
Gamma	835	Head	11/16/2025	21.7	22.0	17	4d311	7872	1843	0.511	9.820	10.196	3.83%	0.333	6.370	6.644	4.30%	N/A	N/A	N/A	N/A
Gamma	835	Head	11/19/2025	22.6	20.7	17	4d311	7872	1843	0.506	9.820	10.096	2.81%	0.329	6.370	6.564	3.05%	N/A	N/A	N/A	N/A
Gamma	835	Head	11/24/2025	22.8	21.8	17	4d311	7872	1843	0.497	9.820	9.916	0.98%	0.326	6.370	6.505	2.11%	N/A	N/A	N/A	N/A
Gamma	1640	Head	10/05/2025	23.0	21.2	17	356	7872	1843	1.720	34.200	34.319	0.35%	0.941	18.600	18.775	0.94%	N/A	N/A	N/A	N/A
Beta	1750	Head	09/10/2025	22.6	22.5	17	1205	7859	1905	1.740	36.500	34.718	-4.88%	0.935	19.200	18.656	-2.83%	N/A	N/A	N/A	N/A
Beta	1750	Head	09/14/2025	23.9	22.9	17	1205	7859	1905	1.730	36.500	34.518	-5.43%	0.931	19.200	18.576	-3.25%	N/A	N/A	N/A	N/A
Alpha	1750	Head	09/23/2025	22.3	22.0	17	1205	7836	1838	1.780	36.500	35.516	-2.70%	0.951	19.200	18.975	-1.17%	N/A	N/A	N/A	N/A
Delta	1750	Head	09/24/2025	23.0	21.1	17	1205	7857	1844	1.760	36.500	35.117	-3.79%	0.937	19.200	18.696	-2.63%	N/A	N/A	N/A	N/A
Delta	1750	Head	09/28/2025	20.6	21.4	17	1205	7857	1844	1.850	36.500	36.912	1.13%	0.989	19.200	19.733	2.78%	N/A	N/A	N/A	N/A
Gamma	1750	Head	10/27/2025	24.3	22.2	17	1205	7872	1843	1.860	36.500	37.112	1.68%	0.996	19.200	19.873	3.50%	N/A	N/A	N/A	N/A
Delta	1750	Head	11/05/2025	22.5	21.6	17	1205	7857	1862	1.840	36.500	36.713	0.58%	0.988	19.200	19.713	2.67%	N/A	N/A	N/A	N/A
Beta	1900	Head	09/10/2025	22.6	22.2	17	5d252	7859	1905	1.890	39.800	37.710	-5.25%	1.000	21.000	19.953	-4.99%	N/A	N/A	N/A	N/A
Beta	1900	Head	09/12/2025	23.7	21.9	17	5d252	7859	1905	1.920	39.800	38.309	-3.75%	1.010	21.000	20.152	-4.04%	N/A	N/A	N/A	N/A
Gamma	1900	Head	09/21/2025	22.5	21.3	17	5d252	7872	1843	2.010	39.800	40.105	0.77%	1.040	21.000	20.751	-1.19%	N/A	N/A	N/A	N/A
Delta	1900	Head	09/28/2025	20.6	21.4	17	5d252	7857	1844	2.040	39.800	40.703	2.27%	1.070	21.000	21.349	1.66%	N/A	N/A	N/A	N/A
Beta	1900	Head	11/16/2025	21.7	22.3	17	5d252	7859	1905	1.900	39.800	37.910	-4.75%	1.000	21.000	19.953	-4.99%	N/A	N/A	N/A	N/A
Beta	2300	Head	09/11/2025	23.5	21.9	17	1139	7859	1905	2.340	49.000	46.689	-4.72%	1.130	23.700	22.546	-4.87%	N/A	N/A	N/A	N/A
Beta	2300	Head	09/23/2025	23.7	23.0	17	1139	7859	1905	2.230	49.000	44.494	-9.20%	1.080	23.700	21.549	-9.08%	N/A	N/A	N/A	N/A
Beta	2450	Head	09/26/2025	22.2	21.2	17	1112	7859	1905	2.580	50.600	51.478	1.73%	1.190	23.700	23.744	0.18%	N/A	N/A	N/A	N/A
Beta	2450	Head	10/06/2025	22.4	21.9	17	1112	7859	1905	2.460	50.600	49.083	-3.00%	1.160	23.700	23.145	-2.34%	N/A	N/A	N/A	N/A
Beta	2450	Head	11/18/2025	22.5	22.2	17	1112	7859	1905	2.490	50.600	49.682	-1.81%	1.180	23.700	23.544	-0.66%	N/A	N/A	N/A	N/A
Gamma	2600	Head	09/14/2025	23.7	23.0	17	1215	7872	1843	2.760	55.300	55.069	-0.42%	1.240	24.900	24.741	-0.64%	N/A	N/A	N/A	N/A
Beta	2600	Head	09/23/2025	23.7	23.0	17	1215	7859	1905	2.820	55.300	56.266	1.75%	1.280	24.900	25.539	2.57%	N/A	N/A	N/A	N/A
Beta	2600	Head	11/02/2025	22.2	21.5	17	1215	7859	1905	2.780	55.300	55.468	0.30%	1.240	24.900	24.741	-0.64%	N/A	N/A	N/A	N/A
Delta	2600	Head	11/09/2025	22.3	22.1	17	1215	7857	1862	2.570	55.300	51.278	-7.27%	1.150	24.900	22.946	-7.85%	N/A	N/A	N/A	N/A
Delta	2600	Head	11/17/2025	22.7	21.5	17	1215	7857	1862	2.670	55.300	53.274	-3.66%	1.200	24.900	23.943	-3.84%	N/A	N/A	N/A	N/A
Beta	2600	Head	12/05/2025	24.9	22.7	17	1215	7859	1905	2.720	55.300	54.271	-1.86%	1.240	24.900	24.741	-0.64%	N/A	N/A	N/A	N/A
Delta	3500	Head	09/17/2025	23.7	21.9	17	1154	7853	1844	3.200	65.100	63.848	-1.92%	1.210	24.600	24.143	-1.86%	N/A	N/A	N/A	N/A
Delta	3500	Head	09/19/2025	22.8	21.3	17	1154	7853	1844	3.140	65.100	62.651	-3.76%	1.200	24.600	23.943	-2.67%	N/A	N/A	N/A	N/A
Delta	3500	Head	09/21/2025	22.0	22.1	17	1154	7853	1844	3.090	65.100	61.654	-5.29%	1.180	24.600	23.544	-4.29%	N/A	N/A	N/A	N/A
Delta	3500	Head	10/09/2025	22.3	20.6	17	1154	7853	1844	3.200	65.100	63.848	-1.92%	1.210	24.600	24.143	-1.86%	N/A	N/A	N/A	N/A
Delta	3500	Head	11/21/2025	22.4	20.8	17	1154	7857	1862	3.130	65.100	62.452	-4.07%	1.190	24.600	23.744	-3.48%	N/A	N/A	N/A	N/A
Delta	3700	Head	11/21/2025	22.4	20.8	17	1130	7857	1862	3.250	66.600	64.846	-2.63%	1.210	24.500	24.143	-1.46%	N/A	N/A	N/A	N/A
Delta	3900	Head	11/21/2025	22.4	20.8	17	1101	7857	1862	3.280	70.200	65.445	-6.77%	1.150	24.600	22.946	-6.73%	N/A	N/A	N/A	N/A
Gamma	5250	Head	09/29/2025	22.8	22.4	17	1396	7872	1843	3.900	77.900	77.815	-0.11%	1.110	22.400	22.147	-1.13%	N/A	N/A	N/A	N/A
Gamma	6500	Head	10/02/2025	21.8	21.5	10	1104	7872	1843	2.760	298.000	276.000	-7.38%	0.542	55.000	54.200	-1.45%	13.100	1340.000	1310.000	-2.24%
Gamma	6500	Head	10/07/2025	23.0	20.6	10	1104	7872	1843	2.830	298.000	283.000	-5.03%	0.541	55.000	54.100	-1.64%	13.000	1340.000	1300.000	-2.99%
Beta	6500	Head	11/21/2025	22.5	21.8	10	1104	7859	1905	3.060	298.000	306.000	2.68%	0.576	55.000	57.600	4.73%	13.800	1340.000	1380.000	2.99%

B.2. Power Density System Check

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

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

Table 2 System Check Results (Power Density)

Date	Probe SN	Frequency (MHz)	Source SN	Prad (mW)	Measured Normal psPD (W/m ²)	Target Normal psPD (W/m ²)	Deviation Normal psPD (dB)	Measured Total psPD (W/m ²)	Target Total psPD (W/m ²)	Deviation Total psPD (dB)
11/16/2025	9690	10000.0	1074	93.3	54.0	53.7	0.02	54.5	54.0	0.04
11/23/2025	9690	10000.0	1074	93.3	53.4	53.7	-0.02	53.7	54.0	-0.02
11/28/2025	9690	10000.0	1074	93.3	53.4	53.7	-0.02	53.6	54.0	-0.03

B.3. Dielectric Parameters of the TSL

Table 3 SAR Tissue Dielectric Parameters

Date	Tissue Type	Liquid Temp (°C)	Frequency (MHz)	Conductivity Measured (σ)	Conductivity Target (σ)	Deviation	Permittivity measured (ε')	Permittivity Target (ε')	Deviation
9/9/2025	Head	21.3	650	0.85	0.89	-4.24%	42.4	42.5	-0.21%
9/9/2025	Head	21.3	700	0.86	0.89	-2.92%	42.2	42.2	-0.04%
9/9/2025	Head	21.3	750	0.88	0.89	-1.33%	42.0	41.9	0.21%
9/9/2025	Head	21.3	800	0.90	0.90	0.21%	41.9	41.7	0.44%
9/9/2025	Head	21.3	850	0.92	0.92	0.07%	41.7	41.5	0.57%
9/9/2025	Head	21.3	900	0.94	0.97	-3.39%	41.6	41.5	0.15%
9/9/2025	Head	21.3	950	0.95	0.99	-4.04%	41.5	41.4	0.11%
9/9/2025	Head	21.3	650	0.85	0.89	-4.24%	42.4	42.5	-0.21%
9/9/2025	Head	21.3	700	0.86	0.89	-2.92%	42.2	42.2	-0.04%
9/9/2025	Head	21.3	750	0.88	0.89	-1.33%	42.0	41.9	0.21%
9/9/2025	Head	21.3	800	0.90	0.90	0.21%	41.9	41.7	0.44%
9/9/2025	Head	21.3	850	0.92	0.92	0.07%	41.7	41.5	0.57%
9/9/2025	Head	21.3	900	0.94	0.97	-3.39%	41.6	41.5	0.15%
9/9/2025	Head	21.3	950	0.95	0.99	-4.04%	41.5	41.4	0.11%
9/10/2025	Head	22.5	1600	1.30	1.28	1.21%	40.2	40.3	-0.24%
9/10/2025	Head	22.5	1650	1.33	1.31	1.01%	40.1	40.2	-0.38%
9/10/2025	Head	22.5	1700	1.35	1.34	0.72%	40.0	40.2	-0.36%
9/10/2025	Head	22.5	1750	1.38	1.37	0.74%	39.9	40.1	-0.34%
9/10/2025	Head	22.5	1800	1.41	1.40	0.69%	39.9	40.0	-0.31%
9/10/2025	Head	22.5	1850	1.44	1.40	3.19%	39.7	40.0	-0.65%
9/10/2025	Head	22.5	1900	1.47	1.40	4.80%	39.7	40.0	-0.79%
9/10/2025	Head	22.5	1950	1.50	1.40	7.34%	39.6	40.0	-0.93%
9/10/2025	Head	22.5	2000	1.53	1.40	9.54%	39.5	40.0	-1.13%
9/10/2025	Head	22.5	2050	1.57	1.44	8.81%	39.5	39.9	-1.09%
9/10/2025	Head	22.5	2100	1.60	1.49	7.59%	39.4	39.8	-1.11%
9/11/2025	Head	22.2	2300	1.65	1.67	-0.79%	37.0	39.5	-6.26%
9/11/2025	Head	22.2	2350	1.69	1.71	-1.43%	36.9	39.4	-6.20%
9/11/2025	Head	22.2	2400	1.72	1.76	-1.78%	36.9	39.3	-6.19%
9/11/2025	Head	22.2	2450	1.76	1.80	-2.26%	36.8	39.2	-6.17%
9/11/2025	Head	22.2	2500	1.80	1.85	-3.11%	36.7	39.1	-6.26%
9/11/2025	Head	22.2	2550	1.83	1.91	-4.05%	36.6	39.1	-6.34%
9/11/2025	Head	22.2	2600	1.87	1.96	-4.68%	36.5	39.0	-6.34%
9/11/2025	Head	22.2	2650	1.91	2.02	-5.44%	36.4	38.9	-6.45%
9/11/2025	Head	22.2	2700	1.95	2.07	-5.99%	36.3	38.9	-6.51%
9/11/2025	Head	21.5	650	0.84	0.89	-5.49%	41.7	42.5	-1.83%
9/11/2025	Head	21.5	700	0.85	0.89	-4.18%	41.5	42.2	-1.68%
9/11/2025	Head	21.5	750	0.87	0.89	-2.61%	41.3	41.9	-1.43%
9/11/2025	Head	21.5	800	0.89	0.90	-1.16%	41.2	41.7	-1.20%
9/11/2025	Head	21.5	850	0.90	0.92	-1.23%	41.1	41.5	-1.08%
9/11/2025	Head	21.5	900	0.92	0.97	-4.70%	40.9	41.5	-1.50%
9/11/2025	Head	21.5	950	0.94	0.99	-5.25%	40.8	41.4	-1.54%
9/11/2025	Head	22.4	2300	1.71	1.67	2.54%	38.5	39.5	-2.48%
9/11/2025	Head	22.4	2350	1.74	1.71	1.94%	38.4	39.4	-2.41%
9/11/2025	Head	22.4	2400	1.78	1.76	1.58%	38.3	39.3	-2.41%
9/11/2025	Head	22.4	2450	1.82	1.80	1.06%	38.3	39.2	-2.39%
9/11/2025	Head	22.4	2500	1.86	1.85	0.14%	38.2	39.1	-2.46%
9/11/2025	Head	22.4	2550	1.89	1.91	-0.78%	38.1	39.1	-2.54%
9/11/2025	Head	22.4	2600	1.94	1.96	-1.43%	38.0	39.0	-2.55%
9/11/2025	Head	22.4	2650	1.97	2.02	-2.22%	37.9	38.9	-2.67%
9/11/2025	Head	22.4	2700	2.01	2.07	-2.87%	37.8	38.9	-2.73%
9/12/2025	Head	22.5	1600	1.27	1.28	-1.29%	39.0	40.3	-3.34%
9/12/2025	Head	22.5	1650	1.30	1.31	-1.24%	38.9	40.2	-3.37%
9/12/2025	Head	22.5	1700	1.33	1.34	-1.15%	38.8	40.2	-3.41%
9/12/2025	Head	22.5	1750	1.36	1.37	-1.17%	38.7	40.1	-3.51%
9/12/2025	Head	22.5	1800	1.38	1.40	-1.25%	38.6	40.0	-3.48%
9/12/2025	Head	22.5	1850	1.41	1.40	0.99%	38.5	40.0	-3.77%
9/12/2025	Head	22.5	1900	1.44	1.40	2.91%	38.4	40.0	-3.97%
9/12/2025	Head	22.5	1950	1.47	1.40	5.23%	38.3	40.0	-4.21%
9/12/2025	Head	22.5	2000	1.50	1.40	7.11%	38.2	40.0	-4.41%
9/12/2025	Head	22.5	2050	1.53	1.44	6.22%	38.2	39.9	-4.38%
9/12/2025	Head	22.5	2100	1.56	1.49	4.85%	38.1	39.8	-4.39%
9/14/2025	Head	23.8	2300	1.73	1.67	3.81%	39.2	39.5	-0.59%
9/14/2025	Head	23.8	2350	1.77	1.71	3.19%	39.2	39.4	-0.52%
9/14/2025	Head	23.8	2400	1.81	1.76	2.84%	39.1	39.3	-0.51%
9/14/2025	Head	23.8	2450	1.84	1.80	2.29%	39.0	39.2	-0.50%
9/14/2025	Head	23.8	2500	1.88	1.85	1.35%	38.9	39.1	-0.56%
9/14/2025	Head	23.8	2550	1.91	1.91	0.07%	38.8	39.1	-0.69%
9/14/2025	Head	23.8	2600	1.96	1.96	-0.37%	38.8	39.0	-0.56%
9/14/2025	Head	23.8	2650	1.99	2.02	-1.15%	38.7	38.9	-0.64%
9/14/2025	Head	23.8	2700	2.04	2.07	-1.72%	38.6	38.9	-0.65%
9/14/2025	Head	22.7	650	0.87	0.89	-2.02%	40.6	42.5	-4.42%
9/14/2025	Head	22.7	700	0.88	0.89	-0.84%	40.4	42.2	-4.30%
9/14/2025	Head	22.7	750	0.90	0.89	0.67%	40.3	41.9	-4.03%
9/14/2025	Head	22.7	800	0.92	0.90	2.01%	40.1	41.7	-3.82%
9/14/2025	Head	22.7	850	0.93	0.92	1.82%	40.0	41.5	-3.69%
9/14/2025	Head	22.7	900	0.95	0.97	-1.91%	39.8	41.5	-4.09%
9/14/2025	Head	22.7	950	0.97	0.99	-2.53%	39.7	41.4	-4.14%
9/14/2025	Head	23.4	1600	1.29	1.28	0.62%	39.7	40.3	-1.64%
9/14/2025	Head	23.4	1650	1.32	1.31	0.41%	39.5	40.2	-1.71%
9/14/2025	Head	23.4	1700	1.35	1.34	0.22%	39.5	40.2	-1.67%
9/14/2025	Head	23.4	1750	1.38	1.37	0.32%	39.4	40.1	-1.71%
9/14/2025	Head	23.4	1800	1.40	1.40	0.08%	39.3	40.0	-1.72%
9/14/2025	Head	23.4	1850	1.43	1.40	2.27%	39.2	40.0	-2.05%
9/14/2025	Head	23.4	1900	1.45	1.40	3.87%	39.1	40.0	-2.13%
9/14/2025	Head	23.4	1950	1.49	1.40	6.34%	39.1	40.0	-2.26%
9/14/2025	Head	23.4	2000	1.52	1.40	8.44%	39.0	40.0	-2.44%
9/14/2025	Head	23.4	2050	1.55	1.44	7.55%	38.9	39.9	-2.43%
9/14/2025	Head	23.4	2100	1.58	1.49	6.13%	38.9	39.8	-2.39%
9/17/2025	Head	21.1	3300	2.50	2.71	-7.51%	37.0	38.2	-2.91%
9/17/2025	Head	21.1	3350	2.54	2.76	-7.94%	37.1	38.1	-2.61%
9/17/2025	Head	21.1	3400	2.59	2.81	-7.90%	36.9	38.0	-3.13%
9/17/2025	Head	21.1	3450	2.63	2.86	-8.09%	36.9	38.0	-2.77%
9/17/2025	Head	21.1	3500	2.67	2.91	-8.33%	36.7	37.9	-3.27%
9/17/2025	Head	21.1	3550	2.72	2.96	-8.22%	36.8	37.9	-2.92%
9/17/2025	Head	21.1	3600	2.76	3.02	-8.58%	36.5	37.8	-3.39%
9/17/2025	Head	21.1	3650	2.81	3.07	-8.27%	36.6	37.8	-3.07%
9/17/2025	Head	21.1	3700	2.84	3.12	-8.80%	36.4	37.7	-3.45%
9/17/2025	Head	21.1	3750	2.91	3.17	-8.32%	36.4	37.6	-3.26%
9/17/2025	Head	21.1	3800	2.93	3.22	-8.86%	36.3	37.6	-3.46%
9/17/2025	Head	21.1	3850	3.00	3.27	-8.29%	36.2	37.5	-3.48%
9/17/2025	Head	21.1	3900	3.03	3.32	-8.81%	36.2	37.5	-3.45%
9/17/2025	Head	21.1	3950	3.10	3.37	-8.22%	36.0	37.4	-3.73%
9/17/2025	Head	21.1	3980	3.12	3.41	-8.36%	36.1	37.4	-3.47%
9/19/2025	Head	21.3	3300	2.59	2.71	-4.48%	39.9	38.2	4.52%
9/19/2025	Head	21.3	3350	2.63	2.76	-4.69%	39.8	38.1	4.54%
9/19/2025	Head	21.3	3400	2.68	2.81	-4.70%	39.7	38.0	4.32%
9/19/2025	Head	21.3	3450	2.72	2.86	-4.83%	39.7	38.0	4.39%
9/19/2025	Head	21.3	3500	2.77	2.91	-4.98%	39.5	37.9	4.14%
9/19/2025	Head	21.3	3550	2.82	2.96	-4.98%	39.5	37.9	4.27%
9/19/2025	Head	21.3	3600	2.86	3.02	-5.10%	39.3	37.8	4.00%
9/19/2025	Head	21.3	3650	2.91	3.07	-5.06%	39.3	37.8	4.17%
9/19/2025	Head	21.3	3700	2.96	3.12	-5.21%	39.2	37.7	3.89%
9/19/2025	Head	21.3	3750	3.01	3.17	-5.10%	39.2	37.6	4.06%
9/19/2025	Head	21.3	3800	3.05	3.22	-5.20%	39.0	37.6	3.87%
9/19/2025	Head	21.3	3850	3.11	3.27	-5.04%	39.0	37.5	3.92%
9/19/2025	Head	21.3	3900	3.15	3.32	-5.08%	38.9	37.5	3.85%
9/19/2025	Head	21.3	3950	3.21	3.37	-4.79%	38.8	37.4	3.77%
9/19/2025	Head	21.3	3980	3.24	3.41	-4.90%	38.8	37.4	3.76%

Table 4 SAR Tissue Dielectric Parameters (Continued)

Date	Tissue Type	Liquid Temp (°C)	Frequency (MHz)	Conductivity Measured (σ)	Conductivity Target (σ)	Deviation	Permittivity measured (εr)	Permittivity Target (εr)	Deviation
9/19/2025	Head	21.7	650	0.86	0.89	-3.18%	43.0	42.5	1.22%
9/19/2025	Head	21.7	700	0.87	0.89	-1.99%	42.8	42.2	1.50%
9/19/2025	Head	21.7	750	0.89	0.89	-0.42%	42.6	41.9	1.66%
9/19/2025	Head	21.7	800	0.91	0.90	1.13%	42.5	41.7	2.04%
9/19/2025	Head	21.7	850	0.92	0.92	0.03%	42.4	41.5	2.09%
9/19/2025	Head	21.7	900	0.95	0.97	-2.38%	42.2	41.5	1.75%
9/19/2025	Head	21.7	950	0.96	0.99	-3.46%	42.1	41.4	1.58%
9/21/2025	Head	22.1	3300	2.59	2.71	-4.50%	40.4	38.2	5.89%
9/21/2025	Head	22.1	3350	2.64	2.76	-4.44%	40.2	38.1	5.58%
9/21/2025	Head	22.1	3400	2.68	2.81	-4.54%	40.2	38.0	5.72%
9/21/2025	Head	22.1	3450	2.73	2.86	-4.62%	40.1	38.0	5.46%
9/21/2025	Head	22.1	3500	2.78	2.91	-4.61%	40.1	37.9	5.69%
9/21/2025	Head	22.1	3550	2.82	2.96	-4.81%	39.9	37.9	5.34%
9/21/2025	Head	22.1	3600	2.88	3.02	-4.53%	39.9	37.8	5.45%
9/21/2025	Head	22.1	3650	2.92	3.07	-4.91%	39.8	37.8	5.28%
9/21/2025	Head	22.1	3700	2.98	3.12	-4.68%	39.7	37.7	5.32%
9/21/2025	Head	22.1	3750	3.01	3.17	-4.95%	39.6	37.6	5.21%
9/21/2025	Head	22.1	3800	3.08	3.22	-4.40%	39.5	37.6	5.21%
9/21/2025	Head	22.1	3850	3.11	3.27	-4.87%	39.5	37.5	5.14%
9/21/2025	Head	22.1	3900	3.18	3.32	-4.27%	39.4	37.5	5.12%
9/21/2025	Head	22.1	3950	3.22	3.37	-4.58%	39.3	37.4	5.05%
9/21/2025	Head	22.1	3980	3.26	3.41	-4.47%	39.2	37.4	4.75%
9/21/2025	Head	21.3	1600	1.25	1.28	-2.98%	39.1	40.3	-2.99%
9/21/2025	Head	21.3	1650	1.27	1.31	-3.07%	38.9	40.2	-3.21%
9/21/2025	Head	21.3	1700	1.30	1.34	-3.31%	38.9	40.2	-3.10%
9/21/2025	Head	21.3	1750	1.32	1.37	-3.47%	38.8	40.1	-3.68%
9/21/2025	Head	21.3	1800	1.36	1.40	-3.21%	38.8	40.0	-3.00%
9/21/2025	Head	21.3	1850	1.38	1.40	-1.29%	38.7	40.0	-3.23%
9/21/2025	Head	21.3	1900	1.42	1.40	1.13%	38.6	40.0	-3.44%
9/21/2025	Head	21.3	1950	1.44	1.40	2.92%	38.6	40.0	-3.60%
9/21/2025	Head	21.3	2000	1.48	1.40	5.57%	38.4	40.0	-5.28%
9/21/2025	Head	21.3	2050	1.50	1.44	3.99%	38.4	39.9	-3.74%
9/21/2025	Head	21.3	2100	1.54	1.49	3.35%	38.3	39.8	-3.86%
9/22/2025	Head	20.8	650	0.84	0.89	-5.01%	44.4	42.5	4.47%
9/22/2025	Head	20.8	700	0.86	0.89	-3.54%	44.2	42.2	4.71%
9/22/2025	Head	20.8	750	0.88	0.89	-1.95%	44.0	41.9	4.52%
9/22/2025	Head	20.8	800	0.90	0.90	-0.56%	43.9	41.7	5.25%
9/22/2025	Head	20.8	850	0.91	0.92	-0.40%	43.8	41.5	5.46%
9/22/2025	Head	20.8	900	0.93	0.97	-3.80%	43.6	41.5	4.99%
9/22/2025	Head	20.8	950	0.95	0.99	-4.41%	43.5	41.4	4.98%
9/23/2025	Head	22	1600	1.25	1.28	-2.88%	39.7	40.3	-1.57%
9/23/2025	Head	22	1650	1.27	1.31	-3.07%	39.6	40.2	-1.66%
9/23/2025	Head	22	1700	1.30	1.34	-3.24%	39.5	40.2	-1.61%
9/23/2025	Head	22	1750	1.33	1.37	-3.16%	39.4	40.1	-1.59%
9/23/2025	Head	22	1800	1.36	1.40	-3.10%	39.4	40.0	-1.52%
9/23/2025	Head	22	1850	1.39	1.40	-0.70%	39.3	40.0	-1.76%
9/23/2025	Head	22	1900	1.42	1.40	1.34%	39.2	40.0	-1.98%
9/23/2025	Head	22	1950	1.45	1.40	3.53%	39.1	40.0	-2.18%
9/23/2025	Head	22	2000	1.48	1.40	5.88%	39.0	40.0	-2.44%
9/23/2025	Head	22	2050	1.52	1.44	5.04%	39.0	39.9	-2.41%
9/23/2025	Head	22	2100	1.54	1.49	3.69%	38.9	39.8	-2.41%
9/23/2025	Head	21.7	1600	1.25	1.28	-2.58%	38.8	40.3	-1.24%
9/23/2025	Head	21.7	1650	1.28	1.31	-2.43%	38.7	40.2	-1.25%
9/23/2025	Head	21.7	1700	1.31	1.34	-2.20%	38.6	40.2	-1.37%
9/23/2025	Head	21.7	1750	1.34	1.37	-2.17%	39.5	40.1	-1.52%
9/23/2025	Head	21.7	1800	1.36	1.40	-2.50%	39.4	40.0	-1.59%
9/23/2025	Head	21.7	1850	1.39	1.40	-0.65%	39.3	40.0	-1.83%
9/23/2025	Head	21.7	1900	1.41	1.40	0.62%	39.2	40.0	-1.93%
9/23/2025	Head	21.7	1950	1.45	1.40	3.25%	39.2	40.0	-1.95%
9/23/2025	Head	21.7	2000	1.48	1.40	5.55%	39.2	40.0	-2.05%
9/23/2025	Head	21.7	2050	1.52	1.44	5.25%	39.1	39.9	-1.95%
9/23/2025	Head	21.7	2100	1.55	1.49	4.40%	39.0	39.8	-2.04%
9/23/2025	Head	23	2300	1.89	1.87	1.22%	40.3	39.5	2.22%
9/23/2025	Head	23	2350	1.74	1.71	1.54%	40.2	39.4	2.05%
9/23/2025	Head	23	2400	1.80	1.76	2.25%	40.0	39.3	1.86%
9/23/2025	Head	23	2450	1.85	1.80	2.69%	39.9	39.2	1.67%
9/23/2025	Head	23	2500	1.91	1.85	2.81%	39.7	39.1	1.35%
9/23/2025	Head	23	2550	1.96	1.91	2.67%	39.5	39.1	1.05%
9/23/2025	Head	23	2600	2.02	1.96	2.81%	39.3	39.0	0.77%
9/23/2025	Head	23	2650	2.07	2.02	2.70%	39.1	38.9	0.42%
9/23/2025	Head	23	2700	2.13	2.07	2.75%	38.9	38.9	0.14%
9/24/2025	Head	22.4	1600	1.27	1.28	-0.79%	40.8	40.3	1.27%
9/24/2025	Head	22.4	1650	1.30	1.31	-1.05%	40.7	40.2	1.21%
9/24/2025	Head	22.4	1700	1.33	1.34	-1.17%	40.7	40.0	1.64%
9/24/2025	Head	22.4	1750	1.36	1.37	-1.13%	40.6	40.1	1.25%
9/24/2025	Head	22.4	1800	1.39	1.40	-1.01%	40.5	40.0	1.34%
9/24/2025	Head	22.4	1850	1.42	1.40	1.47%	40.4	40.0	1.06%
9/24/2025	Head	22.4	1900	1.45	1.40	3.42%	40.3	40.0	0.86%
9/24/2025	Head	22.4	1950	1.48	1.40	5.85%	40.3	40.0	0.64%
9/24/2025	Head	22.4	2000	1.51	1.40	8.01%	40.2	40.0	0.42%
9/24/2025	Head	22.4	2050	1.55	1.44	7.25%	40.1	39.9	0.45%
9/24/2025	Head	22.4	2100	1.58	1.49	5.98%	40.0	39.8	0.46%
9/26/2025	Head	21.2	2300	1.76	1.67	5.69%	39.2	39.5	-0.68%
9/26/2025	Head	21.2	2350	1.82	1.71	6.12%	39.0	39.4	-0.89%
9/26/2025	Head	21.2	2400	1.87	1.76	6.14%	38.8	39.3	-1.12%
9/26/2025	Head	21.2	2450	1.93	1.80	7.06%	38.6	39.2	-1.46%
9/26/2025	Head	21.2	2500	1.98	1.85	7.02%	38.4	39.1	-1.82%
9/26/2025	Head	21.2	2550	2.04	1.91	6.74%	38.2	39.1	-2.14%
9/26/2025	Head	21.2	2600	2.10	1.96	6.83%	38.1	39.0	-2.39%
9/26/2025	Head	21.2	2650	2.15	2.02	6.70%	37.9	38.9	-2.77%
9/26/2025	Head	21.2	2700	2.21	2.07	6.83%	37.7	38.9	-3.05%
9/28/2025	Head	21.4	1600	1.26	1.28	-1.51%	39.9	40.3	-1.04%
9/28/2025	Head	21.4	1650	1.29	1.31	-1.75%	39.8	40.2	-1.11%
9/28/2025	Head	21.4	1700	1.32	1.34	-1.84%	39.7	40.2	-1.10%
9/28/2025	Head	21.4	1750	1.35	1.37	-1.87%	39.6	40.1	-1.14%
9/28/2025	Head	21.4	1800	1.37	1.40	-1.89%	39.6	40.0	-1.07%
9/28/2025	Head	21.4	1850	1.41	1.40	0.45%	39.5	40.0	-1.36%
9/28/2025	Head	21.4	1900	1.43	1.40	2.27%	39.4	40.0	-1.56%
9/28/2025	Head	21.4	1950	1.47	1.40	4.69%	39.3	40.0	-1.78%
9/28/2025	Head	21.4	2000	1.49	1.40	6.58%	39.2	40.0	-1.98%
9/28/2025	Head	21.4	2050	1.53	1.44	5.89%	39.1	39.9	-1.94%
9/28/2025	Head	21.4	2100	1.56	1.49	4.54%	39.0	39.8	-1.97%
9/29/2025	Head	22.4	5150	4.36	4.60	-5.28%	34.3	36.0	-4.78%
9/29/2025	Head	22.4	5200	4.41	4.66	-5.17%	34.2	36.0	-4.89%
9/29/2025	Head	22.4	5250	4.47	4.71	-5.10%	34.1	35.9	-5.00%
9/29/2025	Head	22.4	5300	4.52	4.76	-5.08%	34.0	35.9	-5.09%
9/29/2025	Head	22.4	5350	4.57	4.81	-4.98%	33.9	35.8	-5.22%
9/29/2025	Head	22.4	5500	4.72	4.96	-4.91%	33.7	35.6	-5.44%
9/29/2025	Head	22.4	5550	4.77	5.01	-4.81%	33.6	35.6	-5.54%
9/29/2025	Head	22.4	5600	4.83	5.07	-4.70%	33.5	35.5	-5.63%
9/29/2025	Head	22.4	5650	4.88	5.12	-4.55%	33.4	35.5	-5.71%
9/29/2025	Head	22.4	5700	4.94	5.17	-4.48%	33.4	35.4	-5.83%
9/29/2025	Head	22.4	5750	4.99	5.22	-4.40%	33.3	35.4	-5.90%
9/29/2025	Head	22.4	5800	5.05	5.27	-4.24%	33.2	35.3	-6.02%
9/29/2025	Head	22.4	5850	5.09	5.32	-4.28%	33.1	35.3	-6.10%
9/29/2025	Head	22.4	5900	5.15	5.38	-4.19%	33.0	35.2	-6.20%
10/2/2025	Head	21.8	5950	5.18	5.38	-0.02%	33.0	35.2	-4.70%
10/2/2025	Head	21.8	5950	5.43	5.43	0.11%	33.4	35.2	-4.88%
10/2/2025	Head	21.8	6000	5.48	5.48	0.04%	33.4	35.1	-4.97%
10/2/2025	Head	21.8	6050	5.55	5.54	0.21%	33.2	35.0	-5.12%
10/2/2025	Head	21.8	6100	5.60	5.60	0.11%	33.2	35.0	-5.22%
10/2/2025	Head	21.8	6150	5.67	5.68	0.27%	33.1	34.9	-5.33%
10/2/2025	Head	21.8	6200	5.72	5.72	0.11%	33.0	34.9	-5.45%
10/2/2025	Head	21.8	6250	5.79	5.78	0.25%	32.9	34.8	-5.50%
10/2/2025	Head	21.8	6500	6.07	6.07	0.02%	32.4	34.5	-6.04%
10/2/2025	Head	21.8	6750	6.36	6.36	0.06%	32.0	34.2	-6.57%
10/2/2025	Head	21.8	7000	6.64	6.65	-0.16%	31.8	33.9	-6.87%
10/2/2025	Head	21.8	7250	6.95	6.95	0.03%	31.1	33.6	

Table 5 SAR Tissue Dielectric Parameters (Continued)

Date	Tissue Type	Liquid Temp (°C)	Frequency (MHz)	Conductivity Measured (σ)	Conductivity Target (σ)	Deviation	Permittivity measured (εr)	Permittivity Target (εr)	Deviation
10/2/2025	Head	21.5	5910	5.66	5.39	5.15%	37.1	35.2	5.50%
10/2/2025	Head	21.5	5950	5.72	5.43	5.36%	37.1	35.2	5.48%
10/2/2025	Head	21.5	6000	5.77	5.48	5.24%	37.0	35.1	5.32%
10/2/2025	Head	21.5	6050	5.84	5.54	5.22%	36.9	35.0	5.25%
10/2/2025	Head	21.5	6100	5.90	5.60	5.46%	36.8	35.0	5.10%
10/2/2025	Head	21.5	6150	5.98	5.66	5.66%	36.7	34.9	5.06%
10/2/2025	Head	21.5	6200	6.03	5.72	5.57%	36.6	34.9	4.90%
10/2/2025	Head	21.5	6250	6.10	5.78	5.70%	36.5	34.8	4.89%
10/2/2025	Head	21.5	6500	6.42	6.07	5.82%	36.0	34.5	4.41%
10/2/2025	Head	21.5	6750	6.74	6.36	5.97%	35.5	34.2	3.81%
10/2/2025	Head	21.5	7000	7.04	6.65	5.94%	35.1	33.9	3.65%
10/2/2025	Head	21.5	7250	7.40	6.95	6.61%	34.6	33.6	2.96%
10/2/2025	Head	21.5	7950	8.28	7.78	6.47%	33.4	32.8	1.93%
10/2/2025	Head	21.5	8000	8.39	7.84	7.05%	33.3	32.7	1.99%
10/5/2025	Head	21.2	1600	1.28	1.28	-0.06%	43.8	40.3	8.69%
10/5/2025	Head	21.2	1650	1.31	1.31	-0.15%	43.7	40.2	8.61%
10/5/2025	Head	21.2	1700	1.34	1.34	-0.11%	43.6	40.2	8.68%
10/5/2025	Head	21.2	1750	1.37	1.37	0.12%	43.6	40.1	8.70%
10/5/2025	Head	21.2	1800	1.41	1.40	0.43%	43.5	40.0	8.74%
10/5/2025	Head	21.2	1850	1.44	1.40	2.88%	43.4	40.0	8.45%
10/5/2025	Head	21.2	1900	1.47	1.40	4.98%	43.3	40.0	8.27%
10/5/2025	Head	21.2	1950	1.51	1.40	7.73%	43.2	40.0	8.06%
10/5/2025	Head	21.2	2000	1.54	1.40	9.95%	43.1	40.0	7.76%
10/5/2025	Head	21.2	2050	1.58	1.44	9.17%	43.0	39.9	7.81%
10/5/2025	Head	21.2	2100	1.61	1.49	7.99%	42.9	39.8	7.84%
10/6/2025	Head	21.8	2300	1.73	1.67	3.71%	40.7	39.5	3.12%
10/6/2025	Head	21.8	2350	1.76	1.71	3.01%	40.6	39.4	3.18%
10/6/2025	Head	21.8	2400	1.80	1.76	2.68%	40.5	39.3	3.20%
10/6/2025	Head	21.8	2450	1.84	1.80	2.13%	40.5	39.2	3.25%
10/6/2025	Head	21.8	2500	1.88	1.85	1.41%	40.4	39.1	3.21%
10/6/2025	Head	21.8	2550	1.92	1.91	0.49%	40.3	39.1	3.16%
10/6/2025	Head	21.8	2600	1.96	1.96	-0.03%	40.2	39.0	3.15%
10/6/2025	Head	21.8	2650	2.00	2.02	-0.73%	40.1	38.9	3.06%
10/6/2025	Head	21.8	2700	2.05	2.07	-1.21%	40.0	38.9	3.00%
10/7/2025	Head	20.6	5910	5.64	5.39	4.79%	36.3	35.2	3.24%
10/7/2025	Head	20.6	5950	5.69	5.43	4.85%	36.2	35.2	3.06%
10/7/2025	Head	20.6	6000	5.75	5.48	4.99%	36.2	35.1	3.03%
10/7/2025	Head	20.6	6050	5.82	5.54	5.02%	36.0	35.0	2.84%
10/7/2025	Head	20.6	6100	5.88	5.60	5.13%	36.0	35.0	2.80%
10/7/2025	Head	20.6	6150	5.95	5.66	5.18%	35.8	34.9	2.66%
10/7/2025	Head	20.6	6200	6.01	5.72	5.18%	35.8	34.9	2.56%
10/7/2025	Head	20.6	6250	6.08	5.78	5.26%	35.7	34.8	2.51%
10/7/2025	Head	20.6	6500	6.39	6.07	5.20%	35.2	34.5	1.98%
10/7/2025	Head	20.6	6750	6.72	6.36	5.64%	34.7	34.2	1.54%
10/7/2025	Head	20.6	7000	7.01	6.65	5.43%	34.3	33.9	1.18%
10/7/2025	Head	20.6	7250	7.34	6.95	5.70%	33.8	33.6	0.52%
10/7/2025	Head	20.6	7950	8.24	7.78	5.86%	32.5	32.8	-0.87%
10/7/2025	Head	20.6	8000	8.29	7.84	5.68%	32.5	32.7	-0.49%
10/9/2025	Head	20.6	3300	2.59	2.71	-4.27%	39.7	38.2	4.02%
10/9/2025	Head	20.6	3350	2.64	2.76	-4.27%	39.6	38.1	3.92%
10/9/2025	Head	20.6	3400	2.69	2.81	-4.44%	39.5	38.0	3.86%
10/9/2025	Head	20.6	3450	2.73	2.86	-4.45%	39.4	38.0	3.78%
10/9/2025	Head	20.6	3500	2.78	2.91	-4.62%	39.3	37.9	3.72%
10/9/2025	Head	20.6	3550	2.83	2.96	-4.60%	39.3	37.9	3.66%
10/9/2025	Head	20.6	3600	2.88	3.02	-4.58%	39.2	37.8	3.57%
10/9/2025	Head	20.6	3650	2.92	3.07	-4.65%	39.1	37.8	3.57%
10/9/2025	Head	20.6	3700	2.98	3.12	-4.57%	39.0	37.7	3.45%
10/9/2025	Head	20.6	3750	3.02	3.17	-4.65%	38.9	37.6	3.45%
10/9/2025	Head	20.6	3800	3.08	3.22	-4.47%	38.9	37.6	3.37%
10/9/2025	Head	20.6	3850	3.12	3.27	-4.60%	38.8	37.5	3.31%
10/9/2025	Head	20.6	3900	3.18	3.32	-4.33%	38.7	37.5	3.29%
10/9/2025	Head	20.6	3950	3.23	3.37	-4.38%	38.6	37.4	3.17%
10/9/2025	Head	20.6	3980	3.26	3.41	-4.30%	38.6	37.4	3.05%
10/15/2025	Head	21.1	850	0.85	0.85	-3.91%	43.9	42.5	3.45%
10/15/2025	Head	21.1	700	0.87	0.89	-2.38%	43.7	42.2	3.60%
10/15/2025	Head	21.1	750	0.88	0.89	-1.01%	43.6	41.9	3.95%
10/15/2025	Head	21.1	800	0.90	0.90	0.85%	43.4	41.7	4.20%
10/15/2025	Head	21.1	850	0.92	0.92	0.72%	43.3	41.5	4.40%
10/15/2025	Head	21.1	900	0.94	0.97	-2.58%	43.1	41.5	3.88%
10/15/2025	Head	21.1	950	0.96	0.99	-3.33%	43.0	41.4	3.84%
10/27/2025	Head	22.2	650	0.85	0.89	-4.03%	43.5	42.5	2.48%
10/27/2025	Head	22.2	700	0.87	0.89	-2.49%	43.3	42.2	2.60%
10/27/2025	Head	22.2	750	0.88	0.89	-1.06%	43.1	41.9	2.88%
10/27/2025	Head	22.2	800	0.90	0.90	0.67%	43.0	41.7	3.14%
10/27/2025	Head	22.2	850	0.92	0.92	0.58%	42.9	41.5	3.31%
10/27/2025	Head	22.2	900	0.94	0.97	-2.76%	42.7	41.5	2.80%
10/27/2025	Head	22.2	950	0.96	0.99	-3.47%	42.6	41.4	2.72%
10/27/2025	Head	22.2	1600	1.29	1.28	0.57%	40.3	40.3	-0.09%
10/27/2025	Head	22.2	1650	1.32	1.31	0.48%	40.2	40.2	-0.17%
10/27/2025	Head	22.2	1700	1.35	1.34	0.45%	40.1	40.2	-0.22%
10/27/2025	Head	22.2	1750	1.38	1.37	0.47%	40.0	40.1	-0.25%
10/27/2025	Head	22.2	1800	1.41	1.40	0.36%	39.9	40.0	-0.23%
10/27/2025	Head	22.2	1850	1.44	1.40	2.73%	39.8	40.0	-0.45%
10/27/2025	Head	22.2	1900	1.47	1.40	4.77%	39.7	40.0	-0.65%
10/27/2025	Head	22.2	1950	1.50	1.40	7.38%	39.7	40.0	-0.85%
10/27/2025	Head	22.2	2000	1.53	1.40	9.54%	39.5	40.0	-1.13%
10/27/2025	Head	22.2	2050	1.57	1.44	8.71%	39.5	39.9	-1.10%
10/27/2025	Head	22.2	2100	1.60	1.49	7.39%	39.4	39.8	-1.15%
11/2/2025	Head	21.5	2300	1.78	1.67	6.85%	39.6	39.5	0.30%
11/2/2025	Head	21.5	2350	1.83	1.71	7.22%	39.4	39.4	0.06%
11/2/2025	Head	21.5	2400	1.89	1.76	7.84%	39.2	39.3	-0.26%
11/2/2025	Head	21.5	2450	1.95	1.80	8.09%	39.0	39.2	-0.53%
11/2/2025	Head	21.5	2500	2.00	1.85	8.05%	38.8	39.1	-0.90%
11/2/2025	Head	21.5	2550	2.06	1.91	7.77%	38.6	39.1	-1.23%
11/2/2025	Head	21.5	2600	2.12	1.96	7.86%	38.4	39.0	-1.53%
11/2/2025	Head	21.5	2650	2.17	2.02	7.68%	38.2	38.9	-1.93%
11/2/2025	Head	21.5	2700	2.23	2.07	7.72%	38.0	38.9	-2.27%
11/5/2025	Head	21.6	1600	1.26	1.28	-1.87%	39.2	40.3	-2.83%
11/5/2025	Head	21.6	1650	1.29	1.31	-2.09%	39.1	40.2	-2.90%
11/5/2025	Head	21.6	1700	1.31	1.34	-2.12%	39.0	40.2	-2.87%
11/5/2025	Head	21.6	1750	1.34	1.37	-1.96%	38.9	40.1	-2.88%
11/5/2025	Head	21.6	1800	1.37	1.40	-1.79%	38.8	40.0	-2.88%
11/5/2025	Head	21.6	1850	1.41	1.40	0.51%	38.7	40.0	-3.22%
11/5/2025	Head	21.6	1900	1.43	1.40	2.35%	38.6	40.0	-3.42%
11/5/2025	Head	21.6	1950	1.47	1.40	4.80%	38.6	40.0	-3.62%
11/5/2025	Head	21.6	2000	1.50	1.40	6.85%	38.5	40.0	-3.85%
11/5/2025	Head	21.6	2050	1.53	1.44	6.14%	38.4	39.9	-3.82%
11/5/2025	Head	21.6	2100	1.56	1.49	4.94%	38.3	39.8	-3.87%

Table 6 SAR Tissue Dielectric Parameters (Continued)

Date	Tissue Type	Liquid Temp (°C)	Frequency (MHz)	Conductivity Measured (σ)	Conductivity Target (σ)	Deviation	Permittivity Measured (ε')	Permittivity Target (ε')	Deviation
11/6/2025	Head	21.9	850	0.89	0.89	-3.67%	43.5	42.5	2.36%
11/6/2025	Head	21.9	750	0.87	0.89	-2.82%	43.3	42.2	2.53%
11/6/2025	Head	21.9	750	0.89	0.89	-0.91%	43.1	41.9	2.81%
11/6/2025	Head	21.9	850	0.90	0.90	0.03%	43.0	41.7	3.04%
11/6/2025	Head	21.9	850	0.90	0.90	0.00%	42.8	41.5	3.20%
11/6/2025	Head	21.9	950	0.94	0.97	-2.69%	42.6	41.5	2.71%
11/6/2025	Head	21.9	950	0.96	0.99	-3.34%	42.5	41.4	2.64%
11/6/2025	Head	22.1	2300	1.67	2.01%	2.01%	39.9	39.5	1.00%
11/6/2025	Head	22.1	2350	1.74	1.71	1.64%	39.9	39.4	1.23%
11/6/2025	Head	22.1	2400	1.77	1.76	1.11%	39.8	39.3	1.23%
11/6/2025	Head	22.1	2450	1.81	1.85	-0.81%	39.7	39.2	1.25%
11/6/2025	Head	22.1	2500	1.85	1.85	-0.22%	39.6	39.1	1.23%
11/6/2025	Head	22.1	2550	1.89	1.91	-1.54%	39.5	39.1	1.18%
11/6/2025	Head	22.1	2600	1.93	1.96	-1.70%	39.5	39.0	1.23%
11/6/2025	Head	22.1	2650	1.97	2.02	-2.45%	39.4	38.9	1.11%
11/6/2025	Head	22.1	2700	2.01	2.07	-2.94%	39.3	38.9	1.11%
11/13/2025	Head	21	650	0.83	0.89	-6.13%	40.1	42.5	6.62%
11/13/2025	Head	21	700	0.85	0.89	-4.47%	40.9	42.2	8.81%
11/13/2025	Head	21	750	0.87	0.89	-3.02%	40.8	41.9	8.12%
11/13/2025	Head	21	800	0.89	0.90	-1.09%	40.6	41.7	8.44%
11/13/2025	Head	21	850	0.91	0.92	-1.11%	40.5	41.5	8.60%
11/13/2025	Head	21	900	0.93	0.97	-4.22%	40.3	41.5	8.14%
11/13/2025	Head	21	950	0.95	0.99	-4.79%	40.2	41.4	8.05%
11/16/2025	Head	22.3	1500	1.25	1.29	-2.29%	41.3	40.3	2.38%
11/16/2025	Head	22.3	1650	1.28	1.31	-2.54%	41.2	40.2	2.31%
11/16/2025	Head	22.3	1700	1.30	1.34	-2.70%	41.1	40.2	2.39%
11/16/2025	Head	22.3	1750	1.33	1.37	-2.70%	41.1	40.1	2.45%
11/16/2025	Head	22.3	1800	1.36	1.40	-2.93%	41.0	40.0	2.54%
11/16/2025	Head	22.3	1850	1.40	1.45	-3.15%	40.9	40.0	2.25%
11/16/2025	Head	22.3	1900	1.43	1.47	-2.87%	40.8	40.0	2.05%
11/16/2025	Head	22.3	1950	1.46	1.49	-2.40%	40.8	40.0	1.92%
11/16/2025	Head	22.3	2000	1.49	1.50	-0.67%	40.7	40.0	1.64%
11/16/2025	Head	22.3	2050	1.53	1.54	-0.72%	40.6	39.9	1.70%
11/16/2025	Head	22.3	2100	1.55	1.49	4.39%	40.5	39.8	1.67%
11/16/2025	Head	22	650	0.84	0.89	-5.27%	40.9	42.5	8.44%
11/16/2025	Head	22	700	0.86	0.89	-3.80%	40.7	42.2	8.27%
11/16/2025	Head	22	750	0.87	0.89	-2.40%	40.5	41.9	8.60%
11/16/2025	Head	22	800	0.89	0.90	-0.91%	40.4	41.7	8.90%
11/16/2025	Head	22	850	0.91	0.92	-0.79%	40.3	41.5	8.98%
11/16/2025	Head	22	900	0.93	0.97	-4.00%	40.1	41.5	8.65%
11/16/2025	Head	22	950	0.95	0.99	-4.01%	40.0	41.4	8.55%
11/17/2025	Head	21.6	1.6	2.00	1.67	1.91%	39.3	39.5	-2.88%
11/17/2025	Head	21.6	2550	1.72	1.71	0.73%	39.3	39.4	-2.81%
11/17/2025	Head	21.6	2400	1.76	1.76	0.00%	39.2	39.5	-2.84%
11/17/2025	Head	21.6	2450	1.80	1.80	-0.00%	39.1	39.2	-2.84%
11/17/2025	Head	21.6	2500	1.84	1.85	-0.56%	39.0	39.1	-2.93%
11/17/2025	Head	21.6	2550	1.87	1.91	-1.92%	37.9	39.1	-2.98%
11/17/2025	Head	21.6	2600	1.91	1.95	-2.04%	37.8	39.0	-2.98%
11/17/2025	Head	21.6	2650	1.95	2.02	-3.51%	37.7	38.9	-3.11%
11/17/2025	Head	21.6	2700	1.99	2.07	-3.80%	37.7	38.9	-3.18%
11/18/2025	Head	22.2	2300	1.67	1.71	-2.34%	39.9	39.5	1.00%
11/18/2025	Head	22.2	2350	1.75	1.71	2.32%	39.8	39.4	-1.30%
11/18/2025	Head	22.2	2400	1.79	1.76	1.87%	39.8	39.3	-1.34%
11/18/2025	Head	22.2	2450	1.83	1.80	1.67%	39.7	39.2	-1.31%
11/18/2025	Head	22.2	2500	1.87	1.85	0.70%	39.6	39.1	-1.38%
11/18/2025	Head	22.2	2550	1.91	1.91	-0.04%	39.5	39.1	-1.46%
11/18/2025	Head	22.2	2600	1.95	1.97	-0.97%	39.4	39.0	-1.46%
11/18/2025	Head	22.2	2650	1.99	2.02	-1.45%	39.3	38.9	-1.62%
11/18/2025	Head	22.2	2700	2.03	2.07	-2.00%	39.2	38.9	-1.67%
11/18/2025	Head	20.7	650	0.86	0.89	-4.06%	41.5	42.5	8.44%
11/18/2025	Head	20.7	700	0.87	0.89	-2.40%	41.3	42.2	8.61%
11/18/2025	Head	20.7	750	0.89	0.89	-0.00%	41.1	41.9	8.22%
11/18/2025	Head	20.7	800	0.90	0.90	0.00%	41.0	41.7	8.55%
11/18/2025	Head	20.7	850	0.93	0.92	1.01%	40.9	41.5	8.68%
11/18/2025	Head	20.7	900	0.95	0.97	-2.20%	40.7	41.5	8.20%
11/18/2025	Head	20.7	950	0.97	0.97	-0.01%	40.6	41.4	8.11%
11/21/2025	Head	20.8	3300	2.61	2.71	-3.53%	38.6	38.2	1.18%
11/21/2025	Head	20.8	3350	2.66	2.76	-3.99%	38.5	38.1	1.05%
11/21/2025	Head	20.8	3400	2.71	2.81	-3.85%	38.4	38.0	0.95%
11/21/2025	Head	20.8	3450	2.75	2.85	-3.91%	38.3	38.0	0.83%
11/21/2025	Head	20.8	3500	2.79	2.91	-4.24%	38.2	37.9	0.71%
11/21/2025	Head	20.8	3550	2.84	2.96	-4.23%	38.1	37.8	0.69%
11/21/2025	Head	20.8	3600	2.88	3.02	-4.40%	38.0	37.8	0.53%
11/21/2025	Head	20.8	3650	2.93	3.07	-4.47%	38.0	37.8	0.53%
11/21/2025	Head	20.8	3700	3.02	3.17	-4.84%	37.9	37.7	0.50%
11/21/2025	Head	20.8	3750	3.07	3.17	-4.87%	37.8	37.6	0.38%
11/21/2025	Head	20.8	3800	3.07	3.22	-4.64%	37.7	37.6	0.24%
11/21/2025	Head	20.8	3850	3.12	3.27	-4.70%	37.6	37.5	0.21%
11/21/2025	Head	20.8	3900	3.17	3.32	-4.62%	37.5	37.5	0.12%
11/21/2025	Head	20.8	3950	3.22	3.37	-4.69%	37.4	37.4	0.04%
11/21/2025	Head	20.8	4000	3.27	3.41	-4.70%	37.4	37.4	0.00%
11/21/2025	Head	21.8	9510	5.61	5.39	4.11%	36.9	35.2	4.91%
11/21/2025	Head	21.8	9550	5.66	5.43	4.24%	36.8	35.2	4.79%
11/21/2025	Head	21.8	9600	5.71	5.48	4.27%	36.8	35.1	4.72%
11/21/2025	Head	21.8	9650	5.76	5.54	4.29%	36.8	35.0	4.60%
11/21/2025	Head	21.8	9700	5.80	5.60	4.42%	36.6	35.0	4.52%
11/21/2025	Head	21.8	9750	5.82	5.66	4.64%	36.4	34.6	4.37%
11/21/2025	Head	21.8	9800	5.77	5.72	-0.83%	36.4	34.6	4.30%
11/21/2025	Head	21.8	9850	5.78	5.78	0.00%	36.3	34.8	4.20%
11/21/2025	Head	21.8	9900	5.80	5.87	-1.21%	36.3	34.5	3.78%
11/21/2025	Head	21.8	9950	5.86	5.93	-1.19%	36.3	34.2	3.38%
11/21/2025	Head	21.8	10000	5.99	6.05	-1.01%	36.3	33.9	2.96%
11/21/2025	Head	21.8	10050	6.13	6.19	-0.98%	36.4	33.6	2.38%
11/21/2025	Head	21.8	10100	6.28	6.35	-1.12%	36.1	32.9	0.89%
11/21/2025	Head	21.8	10150	6.43	6.54	-1.68%	35.1	32.7	1.20%
11/22/2025	Head	22.3	650	0.85	0.89	-5.82%	42.2	42.5	-0.71%
11/22/2025	Head	22.3	700	0.87	0.89	-2.25%	42.0	42.2	-0.37%
11/22/2025	Head	22.3	750	0.88	0.89	-1.04%	41.8	41.9	-0.25%
11/22/2025	Head	22.3	800	0.90	0.90	0.00%	41.7	41.7	-0.00%
11/22/2025	Head	22.3	850	0.92	0.92	0.00%	41.5	41.5	0.00%
11/22/2025	Head	22.3	900	0.94	0.97	-3.01%	41.3	41.5	-0.39%
11/22/2025	Head	22.3	950	0.96	0.99	-3.02%	41.2	41.4	-0.46%
11/24/2025	Head	21.8	650	0.89	0.90	-1.11%	41.5	42.5	8.90%
11/24/2025	Head	21.8	700	0.87	0.89	-2.47%	41.3	42.2	-2.11%
11/24/2025	Head	21.8	750	0.88	0.89	-0.89%	41.2	41.9	-1.83%
11/24/2025	Head	21.8	800	0.90	0.90	0.00%	41.0	41.7	-1.69%
11/24/2025	Head	21.8	850	0.92	0.92	0.00%	40.9	41.5	-1.37%
11/24/2025	Head	21.8	900	0.94	0.97	-2.99%	40.7	41.5	-1.87%
11/24/2025	Head	21.8	950	0.96	0.99	-3.61%	40.6	41.4	-1.94%
11/24/2025	Head	22.2	10	0.71	0.75	-5.60%	50.8	55.0	-7.68%
11/24/2025	Head	22.2	15	0.71	0.75	-5.60%	51.9	55.0	-8.64%
12/6/2025	Head	23.5	2300	1.67	1.71	-2.34%	42.3	39.5	7.56%
12/6/2025	Head	23.3	2350	1.75	1.71	2.38%	42.3	39.4	7.43%
12/6/2025	Head	23.3	2400	1.79	1.76	2.01%	42.2	39.3	7.51%
12/6/2025	Head	23.3	2450	1.83	1.80	1.70%	42.2	39.2	7.56%
12/6/2025	Head	23.3	2500	1.87	1.85	0.90%	42.1	39.1	7.57%
12/6/2025	Head	23.3	2550	1.91	1.91	0.00%	42.0	39.1	7.55%
12/6/2025	Head	23.3	2600	1.95	1.96	-0.52%	42.0	39.0	7.68%
12/6/2025	Head	23.3	2650	1.99	2.02	-1.21%	41.9	38.9	7.55%
12/6/2025	Head	23.3	2700	2.04	2.07	-1.70%	41.8	38.9	7.58%
12/7/2025	Head	20.9	650	0.83	0.89	-6.13%	42.8	42.4	0.78%
12/7/2025	Head	20.9	700	0.84	0.89	-5.52%	42.8	42.2	0.93%
12/7/2025	Head	20.9	750	0.86	0.89	-3.82%	42.5	41.9	1.23%
12/7/2025	Head	20.9	800	0.89	0.90	-1.11%	42.3	41.7	1.46%
12/7/2025	Head	20.9	850	0.89	0.92	-2.39%	42.2	41.5	1.62%
12/7/2025	Head	20.9	900	0.92	0.97	-5.61%	42.0		

B.4. FCC System Validation

Per FCC KDB Publication 865664 D02 Section 2.3 a) states “SAR system validation status and system verification results should be documented in a separate section of the SAR report, or as an attachment, to confirm measurement accuracy.”

The SAR systems used for evaluating this device were validated against its performance specifications prior to the SAR measurements.

Reference dipoles were used with the required tissue-equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point.

Per FCC KDB 865664 D02, “the validation status should be documented according to the validation date(s), measurement frequencies, SAR probes, calibrated signal type(s) and tissue dielectric parameters.” A tabulated summary of the system validation status is provided accordingly:

Table 7 System Validation

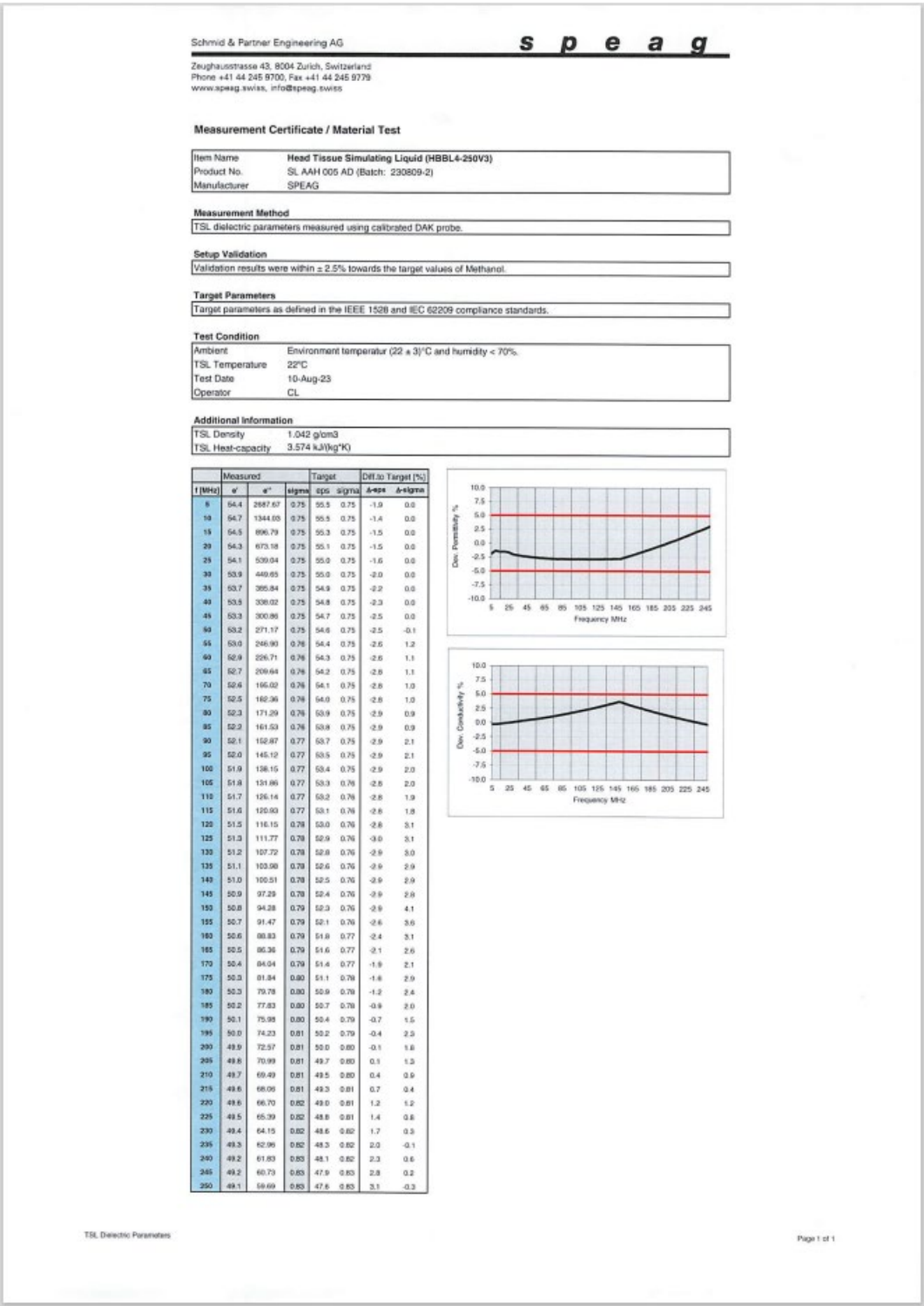
System	Frequency (MHz)	Date	Probe	DAE	Probe CalF		Cond. (σ)	Perm (ϵ_r)	CW Validation			Mod Validation		
					Freq (MHz)	Tissue Type			Sensitivity	Probe Linearity	Probe Isotropy	Mod Type	Duty Factor	PAR
Gamma	13	11/14/2025	7872	1843	13	Head	0.695	52	PASS	PASS	PASS	N/A	N/A	N/A
Delta	750	11/18/2024	7853	1844	750	Head	0.906	43.8	PASS	PASS	PASS	N/A	N/A	N/A
Alpha	750	09/23/2025	7836	1838	750	Head	0.869	41.6	PASS	PASS	PASS	N/A	N/A	N/A
Alpha	750	10/29/2025	7836	1839	750	Head	0.855	42.2	PASS	PASS	PASS	N/A	N/A	N/A
Delta	835	11/18/2024	7853	1844	835	Head	0.936	43.6	PASS	PASS	PASS	GMSK	PASS	N/A
Gamma	835	08/27/2025	7872	1843	835	Head	0.93	41.9	PASS	PASS	PASS	GMSK	PASS	N/A
Gamma	1640	08/28/2025	7872	1843	1640	Head	1.29	42.8	PASS	PASS	PASS	N/A	N/A	N/A
Beta	1750	05/28/2025	7859	1905	1750	Head	1.38	40.6	PASS	PASS	PASS	N/A	N/A	N/A
Alpha	1750	09/23/2025	7836	1838	1750	Head	1.33	39.4	PASS	PASS	PASS	N/A	N/A	N/A
Delta	1750	06/23/2025	7857	1844	1750	Head	1.35	39.153	PASS	PASS	PASS	N/A	N/A	N/A
Gamma	1750	08/28/2025	7872	1843	1750	Head	1.358	42.595	PASS	PASS	PASS	N/A	N/A	N/A
Delta	1750	10/30/2025	7857	1862	1750	Head	1.34	38.92	PASS	PASS	PASS	N/A	N/A	N/A
Beta	1900	05/28/2025	7859	1905	1900	Head	1.47	40.4	PASS	PASS	PASS	GMSK	PASS	N/A
Gamma	1900	08/28/2025	7872	1843	1900	Head	1.44	42.3	PASS	PASS	PASS	GMSK	PASS	N/A
Delta	1900	06/23/2025	7857	1844	1900	Head	1.44	38.91	PASS	PASS	PASS	GMSK	PASS	N/A
Beta	2300	05/21/2025	7859	1905	2300	Head	1.72	37.8	PASS	PASS	PASS	N/A	N/A	N/A
Beta	2450	05/21/2025	7859	1905	2450	Head	1.72	37.8	PASS	PASS	PASS	OFDM	N/A	PASS
Gamma	2600	08/22/2025	7872	1843	2600	Head	1.943	39.21	PASS	PASS	PASS	TDD	PASS	N/A
Beta	2600	05/28/2025	7859	1905	2600	Head	1.97	39.2	PASS	PASS	PASS	TDD	PASS	N/A
Delta	2600	11/09/2025	7857	1862	2600	Head	1.34	38.92	PASS	PASS	PASS	TDD	PASS	N/A
Delta	3500	11/15/2024	7853	1844	3500	Head	2.76	38.8	PASS	PASS	PASS	TDD	PASS	N/A
Delta	3700	11/15/2024	7853	1844	3700	Head	2.94	38.4	PASS	PASS	PASS	TDD	PASS	N/A
Gamma	5250	08/25/2025	7872	1843	5250	Head	4.53	34.7	PASS	PASS	PASS	OFDM	N/A	PASS
Gamma	6500	09/19/2025	7872	1843	6500	Head	5.99	32.2	PASS	PASS	PASS	OFDM	N/A	PASS
Beta	6500	11/05/2025	7859	1905	6500	Head	6.302	33.709	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: The probes have been calibrated for both CW and modulated signals. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01 for scenarios when CW probe calibrations are used with other signal types.

SAR systems were additionally validated for modulated signals with a periodic duty cycle or with a high PAR (peak to average ratio) >5 dB, such as OFDM according to FCC KDB Publication 865664 D01 v01r04.

B.5. Sample TSL Compositions

TSL recipes are proprietary to SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer data sheets are provided below.



Measurement Certificate / Material Test

Item Name	Head Tissue Simulating Liquid (HBBL600-10000V6)
Product No.	SL AAH U16 BC (Batch: 230912-5)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

Test Condition

Ambient Condition 22°C ; 30% humidity

TSL Temperature 22°C

Test Date 14-Sep-23

Operator CL

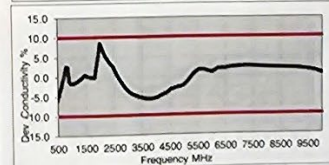
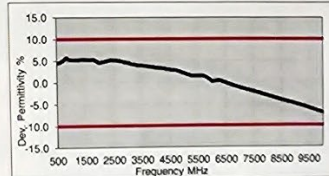
Additional Information

TSL Density

TSL Heat-capacity

Results

f [MHz]	Measured			Target		Diff. to Target [%]	
	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
600	44.7	25.6	0.86	42.7	0.88	4.6	-2.5
750	44.2	21.7	0.90	41.9	0.89	5.4	0.7
800	44.0	20.7	0.92	41.7	0.90	5.6	2.5
825	44.0	20.3	0.93	41.6	0.91	5.8	2.6
835	44.0	20.1	0.94	41.5	0.91	5.9	3.1
850	43.9	19.9	0.94	41.5	0.92	5.8	2.6
900	43.8	19.2	0.96	41.5	0.97	5.5	-1.0
1400	42.8	15.2	1.18	40.6	1.18	5.4	0.0
1450	42.7	15.0	1.21	40.5	1.20	5.4	0.8
1600	42.4	14.4	1.29	40.3	1.28	5.2	0.4
1625	42.4	14.4	1.30	40.3	1.30	5.3	0.1
1640	42.4	14.3	1.31	40.3	1.31	5.3	0.3
1650	42.4	14.3	1.31	40.2	1.31	5.4	-0.2
1700	42.3	14.2	1.34	40.2	1.34	5.3	-0.2
1750	42.2	14.1	1.37	40.1	1.37	5.3	-0.1
1800	42.1	14.0	1.40	40.0	1.40	5.3	0.0
1810	42.1	13.9	1.41	40.0	1.40	5.3	0.7
1825	42.1	13.9	1.42	40.0	1.40	5.3	1.4
1850	42.1	13.9	1.43	40.0	1.40	5.3	2.1
1900	42.0	13.8	1.46	40.0	1.40	5.0	4.3
1950	41.9	13.7	1.49	40.0	1.40	4.7	6.4
2000	41.8	13.7	1.52	40.0	1.40	4.5	8.6
2050	41.8	13.6	1.55	39.9	1.44	4.7	7.3
2100	41.7	13.6	1.59	39.8	1.49	4.7	6.8
2150	41.6	13.6	1.62	39.7	1.53	4.7	5.7
2200	41.6	13.5	1.66	39.6	1.58	4.9	5.2
2250	41.5	13.5	1.69	39.6	1.62	4.9	4.2
2300	41.4	13.5	1.73	39.5	1.67	4.9	3.8
2350	41.4	13.5	1.77	39.4	1.71	5.1	3.4
2400	41.3	13.6	1.81	39.3	1.76	5.1	3.1
2450	41.2	13.6	1.85	39.2	1.80	5.1	2.8
2500	41.2	13.6	1.89	39.1	1.85	5.3	1.9
2550	41.1	13.6	1.93	39.1	1.91	5.2	1.1
2600	41.0	13.6	1.97	39.0	1.96	5.1	0.3



3500	39.4	14.1	2.75	37.9	2.91	3.9	-5.5
3700	39.1	14.3	2.94	37.7	3.12	3.7	-5.8
5200	36.6	16.0	4.62	36.0	4.66	1.7	-0.8
5250	36.5	16.1	4.69	35.9	4.71	1.6	-0.3
5300	36.4	16.2	4.78	35.9	4.78	1.5	0.1
5500	36.2	16.4	5.03	35.6	4.96	1.5	1.3
5600	36.1	16.5	5.14	35.5	5.07	1.5	1.5
5700	35.9	16.5	5.25	35.4	5.17	1.2	1.4
5800	35.7	16.6	5.34	35.3	5.27	1.2	1.4
6000	35.1	16.5	5.52	35.1	5.48	0.2	0.9
6500	34.4	17.1	6.19	34.5	6.07	-0.1	1.9
7000	33.5	17.5	6.81	33.9	6.65	-1.3	2.4
7500	32.6	17.8	7.41	33.3	7.24	-2.1	2.4
8000	31.7	18.0	8.01	32.7	7.84	-3.1	2.2
8500	30.8	18.2	8.62	32.1	8.45	-4.1	2.0
9000	30.0	18.5	9.24	31.5	9.08	-4.9	1.9
9500	29.1	18.8	9.85	31.0	9.71	-5.9	1.4
10000	28.2	18.7	10.41	30.4	10.36	-7.0	0.5

TSL Dielectric Parameters

Figure 2 - Head TSL Calibration Certificate Example (600 – 10000 MHz)