

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 cm2 (W/m2)	1W target APD 4cm2 (W/m2)	1W Normalized APD 4cm2 (W/m2)	APD 4cm2 Deviation
Gamma	13	Head	5/20/2026	22.8	23.4	24.5	1041	7872	1843	0.137	0.457	0.486	6.37%	0.084	0.296	0.298	0.69%	N/A	N/A	N/A	N/A
Epsilon	750	Head	5/6/2026	22.8	23.4	17	1235	7971	1862	0.414	8.690	8.260	-4.94%	0.273	5.690	5.447	-4.27%	N/A	N/A	N/A	N/A
Epsilon	750	Head	5/11/2026	23.1	22.7	17	1235	7971	1862	0.428	8.690	8.540	-1.73%	0.283	5.690	5.647	-0.76%	N/A	N/A	N/A	N/A
Zeta	750	Head	5/20/2026	21.8	20.5	17	1235	7969	1933	0.400	8.690	7.981	-8.16%	0.266	5.690	5.307	-6.72%	N/A	N/A	N/A	N/A
Epsilon	750	Head	6/1/2026	21.7	21.8	17	1235	7971	1862	0.410	8.690	8.181	-5.86%	0.271	5.690	5.407	-4.97%	N/A	N/A	N/A	N/A
Epsilon	750	Head	6/8/2026	23.0	21.5	17	1235	7971	1862	0.407	8.690	8.121	-6.55%	0.269	5.690	5.367	-5.67%	N/A	N/A	N/A	N/A
Epsilon	835	Head	5/11/2026	23.1	22.7	17	4d311	7971	1862	0.506	9.820	10.096	2.81%	0.332	6.370	6.624	3.99%	N/A	N/A	N/A	N/A
Zeta	835	Head	5/13/2026	21.5	20.3	17	4d311	7969	1933	0.476	9.820	9.497	-3.28%	0.314	6.370	6.265	-1.65%	N/A	N/A	N/A	N/A
Epsilon	835	Head	5/18/2026	20.5	21.3	17	4d311	7971	1862	0.503	9.820	10.036	2.20%	0.331	6.370	6.604	3.68%	N/A	N/A	N/A	N/A
Zeta	835	Head	5/20/2026	21.8	20.5	17	4d311	7969	1933	0.477	9.820	9.517	-3.08%	0.316	6.370	6.305	-1.02%	N/A	N/A	N/A	N/A
Epsilon	835	Head	6/1/2026	21.7	21.8	17	4d311	7971	1862	0.497	9.820	9.916	0.98%	0.327	6.370	6.525	2.43%	N/A	N/A	N/A	N/A
Epsilon	835	Head	6/17/2026	24.1	23.0	17	4d311	7971	1862	0.484	9.820	9.657	-1.66%	0.318	6.370	6.345	-0.39%	N/A	N/A	N/A	N/A
Delta	1750	Head	5/6/2026	22.7	22.4	17	1205	7853	1844	1.800	36.500	35.915	-1.60%	0.963	19.200	19.214	0.07%	N/A	N/A	N/A	N/A
Delta	1750	Head	5/20/2026	21.3	21.1	17	1205	7853	1844	1.800	36.500	35.915	-1.60%	0.966	19.200	19.274	0.39%	N/A	N/A	N/A	N/A
Zeta	1750	Head	5/26/2026	21.5	20.5	17	1205	7969	1933	1.820	36.500	36.314	-0.51%	0.970	19.200	19.354	0.80%	N/A	N/A	N/A	N/A
Zeta	1750	Head	6/1/2026	20.8	21.0	17	1205	7969	1933	1.780	36.500	35.516	-2.70%	0.948	19.200	18.915	-1.48%	N/A	N/A	N/A	N/A
Zeta	1750	Head	6/7/2026	21.1	20.0	17	1205	7969	1933	1.750	36.500	34.917	-4.34%	0.940	19.200	18.755	-2.32%	N/A	N/A	N/A	N/A
Zeta	1750	Head	6/30/2026	24.7	21.1	17	1205	7969	1933	1.750	36.500	34.917	-4.34%	0.938	19.200	18.716	-2.52%	N/A	N/A	N/A	N/A
Delta	1900	Head	5/4/2026	22.3	22.2	17	5d252	7853	1844	2.010	39.800	40.105	0.77%	1.060	21.000	21.150	0.71%	N/A	N/A	N/A	N/A
Delta	1900	Head	5/6/2026	22.7	22.4	17	5d252	7853	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
Zeta	1900	Head	5/11/2026	22.5	22.2	17	5d252	7969	1933	1.870	39.800	37.311	-6.25%	0.981	21.000	19.574	-6.79%	N/A	N/A	N/A	N/A
Delta	1900	Head	5/20/2026	21.3	21.1	17	5d252	7853	1844	2.020	39.800	40.304	1.27%	1.060	21.000	21.150	0.71%	N/A	N/A	N/A	N/A
Zeta	1900	Head	6/1/2026	20.8	21.0	17	5d252	7969	1933	1.880	39.800	37.511	-5.75%	0.990	21.000	19.753	-5.94%	N/A	N/A	N/A	N/A
Zeta	1900	Head	6/7/2026	21.1	20.0	17	5d252	7969	1933	1.930	39.800	38.509	-3.24%	1.020	21.000	20.352	-3.09%	N/A	N/A	N/A	N/A
Delta	1900	Head	6/24/2026	21.6	21.9	17	5d252	7853	1844	2.000	39.800	39.905	0.26%	1.050	21.000	20.950	-0.24%	N/A	N/A	N/A	N/A
Gamma	2300	Head	5/12/2026	24.7	23.1	17	1139	7872	1843	2.440	49.000	48.684	-0.64%	1.180	23.700	23.544	-0.66%	N/A	N/A	N/A	N/A
Beta	2300	Head	5/26/2026	22.6	22.2	17	1139	7857	1838	2.500	49.000	49.882	1.80%	1.210	23.700	24.143	1.87%	N/A	N/A	N/A	N/A
Beta	2450	Head	5/28/2026	21.9	22.2	17	1112	7857	1838	2.560	50.600	51.079	0.95%	1.210	23.700	24.143	1.87%	N/A	N/A	N/A	N/A
Beta	2450	Head	6/8/2026	22.4	20.9	17	1112	7857	1838	2.600	50.600	51.877	2.52%	1.230	23.700	24.542	3.55%	N/A	N/A	N/A	N/A
Epsilon	2450	Head	6/10/2026	21.7	20.9	17	1112	7971	1862	2.400	50.600	47.886	-5.36%	1.140	23.700	22.746	-4.03%	N/A	N/A	N/A	N/A
Delta	2450	Head	6/14/2026	20.4	20.8	17	1112	7853	1844	2.500	50.600	49.882	-1.42%	1.170	23.700	23.345	-1.50%	N/A	N/A	N/A	N/A
Epsilon	2450	Head	6/14/2026	21.2	21.2	17	1112	7971	1862	2.450	50.600	48.884	-3.39%	1.160	23.700	23.145	-2.34%	N/A	N/A	N/A	N/A
Beta	2600	Head	5/18/2026	21.7	20.4	17	1215	7857	1838	2.750	55.300	54.870	-0.78%	1.250	24.900	24.941	0.16%	N/A	N/A	N/A	N/A
Delta	2600	Head	5/27/2026	22.8	22.1	17	1215	7853	1844	2.600	55.300	51.877	-6.19%	1.180	24.900	23.544	-5.45%	N/A	N/A	N/A	N/A
Delta	2600	Head	6/1/2026	21.9	21.8	17	1215	7853	1844	2.530	55.300	50.480	-8.72%	1.140	24.900	22.746	-8.65%	N/A	N/A	N/A	N/A
Beta	2600	Head	6/3/2026	21.9	21.9	17	1215	7857	1838	2.700	55.300	53.872	-2.58%	1.220	24.900	24.342	-2.24%	N/A	N/A	N/A	N/A
Zeta	2600	Head	6/17/2026	24.1	22.0	17	1215	7969	1933	2.590	55.300	51.677	-6.55%	1.180	24.900	23.544	-5.45%	N/A	N/A	N/A	N/A
Delta	3500	Head	5/13/2026	21.5	20.8	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
Gamma	3500	Head	6/2/2026	21.9	20.8	17	1154	7872	1843	3.250	65.100	64.846	-0.39%	1.240	24.600	24.741	0.57%	N/A	N/A	N/A	N/A
Delta	3500	Head	6/7/2026	20.5	20.9	17	1154	7853	1844	3.120	65.100	62.252	-4.37%	1.190	24.600	23.744	-3.48%	N/A	N/A	N/A	N/A
Delta	3500	Head	6/24/2026	22.8	21.3	17	1154	7853	1844	3.120	65.100	62.252	-4.37%	1.180	24.600	23.544	-4.29%	N/A	N/A	N/A	N/A
Delta	3700	Head	5/13/2026	21.5	20.8	17	1130	7853	1844	3.240	66.600	64.646	-2.93%	1.210	24.500	24.143	-1.46%	N/A	N/A	N/A	N/A
Gamma	3700	Head	6/3/2026	21.9	20.8	17	1130	7872	1843	3.380	66.600	67.440	1.26%	1.260	24.500	25.140	2.61%	N/A	N/A	N/A	N/A
Delta	3700	Head	6/7/2026	20.5	20.9	17	1130	7853	1844	3.120	66.600	62.252	-6.53%	1.170	24.500	23.345	-4.72%	N/A	N/A	N/A	N/A
Delta	3700	Head	6/24/2026	22.8	21.3	17	1130	7853	1844	3.150	66.600	62.851	-5.63%	1.180	24.500	23.544	-3.90%	N/A	N/A	N/A	N/A
Delta	3900	Head	5/13/2026	21.5	20.8	17	1101	7853	1844	3.250	70.200	64.846	-7.63%	1.150	24.600	22.946	-6.73%	N/A	N/A	N/A	N/A
Gamma	5250	Head	6/10/2026	21.1	21.9	17	1396	7872	1843	3.880	77.900	77.416	-0.62%	1.110	22.400	22.347	-0.13%	N/A	N/A	N/A	N/A
Gamma	5250	Head	6/14/2026	21.4	21.1	17	1396	7872	1843	3.930	77.900	78.414	0.66%	1.120	22.400	22.347	-0.24%	N/A	N/A	N/A	N/A
Gamma	5250	Head	6/17/2026	24.5	24.0	17	1396	7872	1843	3.940	77.900	78.613	0.92%	1.130	22.400	22.546	0.65%	N/A	N/A	N/A	N/A
Gamma	5600	Head	6/10/2026	21.1	21.9	17	1396	7872	1843	4.180	81.100	83.402	2.84%	1.180	23.300	23.544	1.05%	N/A	N/A	N/A	N/A
Gamma	5600	Head	6/14/2026	21.4	21.1	17	1396	7872	1843	4.170	81.100	83.202	2.59%	1.170	23.300	23.345	0.19%	N/A	N/A	N/A	N/A
Gamma	5600	Head	6/17/2026	24.5	24.0	17	1396	7872	1843	4.170	81.100	83.202	2.59%	1.180	23.300	23.544	1.05%	N/A	N/A	N/A	N/A
Gamma	5750	Head	6/10/2026	21.1	21.9	17	1396	7872	1843	4.030	80.100	80.409	0.39%	1.150	22.800	22.946	0.64%	N/A	N/A	N/A	N/A
Gamma	5750	Head	6/14/2026	21.4	21.1	17	1396	7872	1843	4.030	80.100	80.409	0.39%	1.130	22.800	22.546	-1.11%	N/A	N/A	N/A	N/A
Gamma	5750	Head	6/17/2026	24.5	24.0	17	1396	7872	1843	3.930	80.100	78.414	-2.11%	1.110	22.800	22.147	-2.86%	N/A	N/A	N/A	N/A
Gamma	5850	Head	6/10/2026	21.1	21.9	17	1396	7872	1843	4.050	76.900	80.808	5.08%	1.140	22.000	22.746	3.39%	N/A	N/A	N/A	N/A
Gamma	5850	Head	6/14/2026	21.4	21.1	17	1396	7872	1843	4.110	76.900	82.005	6.64%	1.170	22.000	23.345	6.11%	N/A	N/A	N/A	N/A
Gamma	5850	Head	6/17/2026	24.5	24.0	17	1396	7872	1843	3.930	76.900	78.414	1.97%	1.130	22.000	22.546	2.48%	N/A	N/A	N/A	N/A
Gamma	6500	Head	6/5/2026	22.1	21.5	10	1104	7872	1843	2.890	298.000	289.000	-3.02%	0.534	55.000	53.400	-2.91%	13.000	1340.000	1300.000	-2.99%
Gamma	6500	Head	6/8/2026	23.1	22.3	10	1104	7872	1843	3.120	298.000	312.000	4.70%	0.575	55.000	57.500	4.55%	13.900	1340.000	1390.000	3.73%

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)
6/12/2026	9690	10000.0	1074	1.46	0.761	0.838	-0.42	0.802	0.842	-0.21

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 (εr)	Permittivity Target (εr)	Deviation
5/4/2026	Head	22.3	1600	1.25	1.28	-2.72%	39.8	40.3	-1.22%
5/4/2026	Head	22.3	1650	1.28	1.31	-2.72%	39.7	40.2	-1.30%
5/4/2026	Head	22.3	1700	1.31	1.34	-2.63%	39.6	40.2	-1.38%
5/4/2026	Head	22.3	1750	1.34	1.37	-2.60%	39.5	40.1	-1.44%
5/4/2026	Head	22.3	1800	1.36	1.40	-2.92%	39.4	40.0	-1.57%
5/4/2026	Head	22.3	1850	1.38	1.40	-1.09%	39.3	40.0	-1.83%
5/4/2026	Head	22.3	1900	1.41	1.40	0.42%	39.2	40.0	-2.06%
5/4/2026	Head	22.3	1950	1.43	1.40	2.40%	39.2	40.0	-2.09%
5/4/2026	Head	22.3	2000	1.46	1.40	4.45%	39.1	40.0	-2.25%
5/4/2026	Head	22.3	2050	1.50	1.44	3.77%	39.1	39.9	-2.05%
5/4/2026	Head	22.3	2100	1.53	1.49	2.69%	39.0	39.8	-2.11%
5/6/2026	Head	22.7	1600	1.23	1.28	-4.33%	41.4	40.3	2.76%
5/6/2026	Head	22.7	1650	1.26	1.31	-4.08%	41.3	40.2	2.71%
5/6/2026	Head	22.7	1700	1.29	1.34	-3.82%	41.2	40.2	2.60%
5/6/2026	Head	22.7	1750	1.32	1.37	-3.85%	41.1	40.1	2.45%
5/6/2026	Head	22.7	1800	1.34	1.40	-4.23%	41.0	40.0	2.40%
5/6/2026	Head	22.7	1850	1.37	1.40	-2.43%	40.9	40.0	2.17%
5/6/2026	Head	22.7	1900	1.39	1.40	-0.83%	40.8	40.0	2.09%
5/6/2026	Head	22.7	1950	1.42	1.40	1.49%	40.8	40.0	2.08%
5/6/2026	Head	22.7	2000	1.45	1.40	3.87%	40.8	40.0	1.99%
5/6/2026	Head	22.7	2050	1.50	1.44	3.56%	40.7	39.9	2.09%
5/6/2026	Head	22.7	2100	1.53	1.49	2.73%	40.6	39.8	2.02%
5/6/2026	Head	23.9	650	0.86	0.89	-2.83%	41.3	42.5	-2.64%
5/6/2026	Head	23.9	700	0.88	0.89	-1.43%	41.2	42.2	-2.48%
5/6/2026	Head	23.9	750	0.89	0.89	-0.21%	41.0	41.9	-2.28%
5/6/2026	Head	23.9	800	0.91	0.90	1.39%	40.9	41.7	-1.99%
5/6/2026	Head	23.9	850	0.93	0.92	1.02%	40.7	41.5	-1.88%
5/6/2026	Head	23.9	900	0.95	0.97	-2.45%	40.5	41.5	-2.36%
5/6/2026	Head	23.9	950	0.96	0.99	-3.45%	40.4	41.4	-2.44%
5/11/2026	Head	23.3	650	0.86	0.89	-2.91%	40.8	42.5	-3.86%
5/11/2026	Head	23.3	700	0.87	0.89	-1.68%	40.7	42.2	-3.63%
5/11/2026	Head	23.3	750	0.89	0.89	-0.38%	40.5	41.9	-3.48%
5/11/2026	Head	23.3	800	0.90	0.90	0.81%	40.4	41.7	-3.16%
5/11/2026	Head	23.3	850	0.92	0.92	0.65%	40.2	41.5	-3.02%
5/11/2026	Head	23.3	900	0.94	0.97	-3.08%	40.0	41.5	-3.52%
5/11/2026	Head	23.3	950	0.95	0.99	-4.05%	40.0	41.4	-3.49%
5/11/2026	Head	22.6	1600	1.21	1.28	-5.47%	41.0	40.3	1.70%
5/11/2026	Head	22.6	1650	1.24	1.31	-5.43%	40.9	40.2	1.72%
5/11/2026	Head	22.6	1700	1.27	1.34	-5.19%	40.8	40.2	1.72%
5/11/2026	Head	22.6	1750	1.30	1.37	-5.19%	40.7	40.1	1.59%
5/11/2026	Head	22.6	1800	1.33	1.40	-5.30%	40.7	40.0	1.65%
5/11/2026	Head	22.6	1850	1.35	1.40	-3.23%	40.5	40.0	1.32%
5/11/2026	Head	22.6	1900	1.38	1.40	-1.66%	40.5	40.0	1.17%
5/11/2026	Head	22.6	1950	1.41	1.40	0.39%	40.4	40.0	1.05%
5/11/2026	Head	22.6	2000	1.43	1.40	2.37%	40.4	40.0	1.03%
5/11/2026	Head	22.6	2050	1.47	1.44	1.85%	40.4	39.9	1.14%
5/11/2026	Head	22.6	2100	1.50	1.49	0.89%	40.3	39.8	1.19%
5/12/2026	Head	23.1	2300	1.65	1.67	-1.10%	40.1	39.5	1.63%
5/12/2026	Head	23.1	2350	1.68	1.71	-1.67%	40.1	39.4	1.74%
5/12/2026	Head	23.1	2400	1.72	1.76	-1.95%	40.0	39.3	1.78%
5/12/2026	Head	23.1	2450	1.76	1.80	-2.38%	39.9	39.2	1.85%
5/12/2026	Head	23.1	2500	1.80	1.85	-3.11%	39.8	39.1	1.81%
5/12/2026	Head	23.1	2550	1.83	1.91	-3.92%	39.8	39.1	1.76%
5/12/2026	Head	23.1	2600	1.88	1.96	-4.47%	39.7	39.0	1.76%
5/12/2026	Head	23.1	2650	1.91	2.02	-5.19%	39.6	38.9	1.66%
5/12/2026	Head	23.1	2700	1.95	2.07	-5.78%	39.5	38.9	1.62%
5/13/2026	Head	21.3	650	0.83	0.89	-6.20%	42.0	42.5	-1.07%
5/13/2026	Head	21.3	700	0.85	0.89	-4.68%	41.8	42.2	-0.89%
5/13/2026	Head	21.3	750	0.86	0.89	-3.59%	41.7	41.9	-0.67%
5/13/2026	Head	21.3	800	0.88	0.90	-1.83%	41.5	41.7	-0.38%
5/13/2026	Head	21.3	850	0.90	0.92	-2.23%	41.4	41.5	-0.24%
5/13/2026	Head	21.3	900	0.92	0.97	-5.40%	41.2	41.5	-0.70%
5/13/2026	Head	21.3	950	0.93	0.99	-6.34%	41.1	41.4	-0.78%
5/13/2026	Head	20.9	3300	2.55	2.71	-5.74%	40.3	38.2	5.53%
5/13/2026	Head	20.9	3350	2.60	2.76	-5.80%	40.2	38.1	5.45%
5/13/2026	Head	20.9	3400	2.64	2.81	-6.00%	40.1	38.0	5.36%
5/13/2026	Head	20.9	3450	2.69	2.86	-6.07%	40.0	38.0	5.30%
5/13/2026	Head	20.9	3500	2.73	2.91	-6.18%	39.9	37.9	5.23%
5/13/2026	Head	20.9	3550	2.78	2.96	-6.19%	39.8	37.9	5.21%
5/13/2026	Head	20.9	3600	2.83	3.02	-6.23%	39.7	37.8	5.09%
5/13/2026	Head	20.9	3650	2.88	3.07	-6.23%	39.7	37.8	5.12%
5/13/2026	Head	20.9	3700	2.93	3.12	-6.05%	39.6	37.7	5.00%
5/13/2026	Head	20.9	3750	2.97	3.17	-6.25%	39.5	37.6	5.01%
5/13/2026	Head	20.9	3800	3.03	3.22	-6.01%	39.4	37.6	4.91%
5/13/2026	Head	20.9	3850	3.07	3.27	-6.10%	39.4	37.5	4.90%
5/13/2026	Head	20.9	3900	3.13	3.32	-5.90%	39.3	37.5	4.87%
5/13/2026	Head	20.9	3950	3.17	3.37	-5.97%	39.2	37.4	4.74%
5/13/2026	Head	20.9	3980	3.21	3.41	-5.91%	39.1	37.4	4.62%
5/13/2026	Head	21	650	0.81	0.89	-8.08%	43.5	42.5	2.52%
5/13/2026	Head	21	700	0.83	0.89	-6.52%	43.3	42.2	2.71%
5/13/2026	Head	21	750	0.85	0.89	-5.30%	43.2	41.9	2.95%
5/13/2026	Head	21	800	0.87	0.90	-3.52%	43.0	41.7	3.27%
5/13/2026	Head	21	850	0.88	0.92	-3.72%	42.9	41.5	3.41%
5/13/2026	Head	21	900	0.90	0.97	-6.82%	42.7	41.5	2.96%
5/13/2026	Head	21	950	0.92	0.99	-7.59%	42.6	41.4	2.89%
5/18/2026	Head	20.8	2300	1.74	1.67	4.18%	42.5	39.5	7.68%
5/18/2026	Head	20.8	2350	1.77	1.71	3.56%	42.5	39.4	7.81%
5/18/2026	Head	20.8	2400	1.81	1.76	3.38%	42.4	39.3	7.90%
5/18/2026	Head	20.8	2450	1.86	1.80	3.12%	42.3	39.2	7.96%
5/18/2026	Head	20.8	2500	1.90	1.85	2.55%	42.2	39.1	7.93%
5/18/2026	Head	20.8	2550	1.94	1.91	1.79%	42.1	39.1	7.87%
5/18/2026	Head	20.8	2600	1.99	1.96	1.38%	42.1	39.0	7.85%
5/18/2026	Head	20.8	2650	2.03	2.02	0.78%	42.0	38.9	7.73%
5/18/2026	Head	20.8	2700	2.08	2.07	0.31%	41.9	38.9	7.68%
5/18/2026	Head	21.9	650	0.82	0.89	-7.88%	46.0	42.5	8.44%
5/18/2026	Head	21.9	700	0.83	0.89	-6.65%	45.9	42.2	8.71%
5/18/2026	Head	21.9	750	0.85	0.89	-5.01%	45.7	41.9	9.01%
5/18/2026	Head	21.9	800	0.87	0.90	-3.57%	45.6	41.7	9.38%
5/18/2026	Head	21.9	850	0.88	0.92	-3.47%	45.5	41.5	9.55%
5/18/2026	Head	21.9	900	0.90	0.97	-6.76%	45.3	41.5	9.11%
5/18/2026	Head	21.9	950	0.92	0.99	-7.35%	45.2	41.4	9.04%

Table 4 SAR Tissue Dielectric Parameters (Continued)

Date	Tissue Type	Liquid Temp (°C)	Frequency (MHz)	Conductivity Measured (σ)	Conductivity Target (σ)	Deviation	Permittivity measured (ε _r)	Permittivity Target (ε _r)	Deviation
5/20/2026	Head	20.1	1600	1.27	1.28	-1.42%	44.1	40.3	9.30%
5/20/2026	Head	20.1	1650	1.29	1.31	-1.39%	43.9	40.2	9.22%
5/20/2026	Head	20.1	1700	1.32	1.34	-1.33%	43.9	40.2	9.25%
5/20/2026	Head	20.1	1750	1.36	1.37	-1.15%	43.8	40.1	9.23%
5/20/2026	Head	20.1	1800	1.39	1.40	-0.99%	43.7	40.0	9.28%
5/20/2026	Head	20.1	1850	1.42	1.40	1.34%	43.6	40.0	8.98%
5/20/2026	Head	20.1	1900	1.45	1.40	3.37%	43.5	40.0	8.85%
5/20/2026	Head	20.1	1950	1.49	1.40	6.11%	43.5	40.0	8.64%
5/20/2026	Head	20.1	2000	1.52	1.40	8.43%	43.4	40.0	8.42%
5/20/2026	Head	20.1	2050	1.56	1.44	7.66%	43.3	39.9	8.42%
5/20/2026	Head	20.1	2100	1.59	1.49	6.46%	43.2	39.8	8.46%
5/20/2026	Head	20.7	650	0.82	0.89	-7.83%	44.1	42.5	3.87%
5/20/2026	Head	20.7	700	0.83	0.89	-6.55%	43.9	42.2	4.06%
5/20/2026	Head	20.7	750	0.85	0.89	-4.96%	43.8	41.9	4.38%
5/20/2026	Head	20.7	800	0.87	0.90	-3.42%	43.6	41.7	4.71%
5/20/2026	Head	20.7	850	0.89	0.92	-3.36%	43.5	41.5	4.86%
5/20/2026	Head	20.7	900	0.91	0.97	-6.53%	43.3	41.5	4.43%
5/20/2026	Head	20.7	950	0.92	0.99	-7.13%	43.2	41.4	4.35%
5/20/2026	Head	23.2	10	0.75	0.75	0.30%	53.0	55.0	-3.61%
5/20/2026	Head	23.2	15	0.75	0.75	0.31%	52.8	55.0	-3.92%
5/26/2026	Head	20.6	1600	1.23	1.28	-4.30%	41.1	40.3	2.02%
5/26/2026	Head	20.6	1650	1.26	1.31	-4.41%	41.0	40.2	2.00%
5/26/2026	Head	20.6	1700	1.28	1.34	-4.28%	41.0	40.2	2.06%
5/26/2026	Head	20.6	1750	1.31	1.37	-4.20%	40.9	40.1	1.99%
5/26/2026	Head	20.6	1800	1.35	1.40	-3.92%	40.9	40.0	2.16%
5/26/2026	Head	20.6	1850	1.38	1.40	-1.41%	40.7	40.0	1.77%
5/26/2026	Head	20.6	1900	1.41	1.40	0.58%	40.6	40.0	1.60%
5/26/2026	Head	20.6	1950	1.44	1.40	3.03%	40.5	40.0	1.28%
5/26/2026	Head	20.6	2000	1.47	1.40	5.01%	40.5	40.0	1.13%
5/26/2026	Head	20.6	2050	1.51	1.44	4.20%	40.3	39.9	1.08%
5/26/2026	Head	20.6	2100	1.53	1.49	2.96%	40.3	39.8	1.15%
5/26/2026	Head	22.4	2300	1.71	1.67	2.79%	40.7	39.5	3.02%
5/26/2026	Head	22.4	2350	1.75	1.71	2.20%	40.6	39.4	3.05%
5/26/2026	Head	22.4	2400	1.79	1.76	1.95%	40.5	39.3	3.04%
5/26/2026	Head	22.4	2450	1.83	1.80	1.40%	40.4	39.2	3.03%
5/26/2026	Head	22.4	2500	1.86	1.85	0.49%	40.3	39.1	2.97%
5/26/2026	Head	22.4	2550	1.90	1.91	-0.50%	40.2	39.1	2.93%
5/26/2026	Head	22.4	2600	1.94	1.96	-1.09%	40.2	39.0	2.97%
5/26/2026	Head	22.4	2650	1.98	2.02	-1.81%	40.1	38.9	2.86%
5/26/2026	Head	22.4	2700	2.03	2.07	-2.25%	40.0	38.9	2.85%
5/27/2026	Head	22.2	2300	1.71	1.67	2.78%	40.6	39.5	2.75%
5/27/2026	Head	22.2	2350	1.75	1.71	2.13%	40.5	39.4	2.82%
5/27/2026	Head	22.2	2400	1.79	1.76	1.78%	40.4	39.3	2.86%
5/27/2026	Head	22.2	2450	1.82	1.80	1.27%	40.3	39.2	2.90%
5/27/2026	Head	22.2	2500	1.86	1.85	0.44%	40.3	39.1	2.86%
5/27/2026	Head	22.2	2550	1.90	1.91	-0.46%	40.2	39.1	2.80%
5/27/2026	Head	22.2	2600	1.94	1.96	-1.08%	40.1	39.0	2.80%
5/27/2026	Head	22.2	2650	1.98	2.02	-1.78%	40.0	38.9	2.70%
5/27/2026	Head	22.2	2700	2.02	2.07	-2.35%	39.9	38.9	2.65%
5/28/2026	Head	22.7	2300	1.68	1.67	0.84%	39.8	39.5	0.94%
5/28/2026	Head	22.7	2350	1.71	1.71	0.21%	39.8	39.4	1.02%
5/28/2026	Head	22.7	2400	1.75	1.76	-0.08%	39.7	39.3	1.07%
5/28/2026	Head	22.7	2450	1.79	1.80	-0.54%	39.6	39.2	1.11%
5/28/2026	Head	22.7	2500	1.83	1.85	-1.33%	39.6	39.1	1.06%
5/28/2026	Head	22.7	2550	1.87	1.91	-2.23%	39.5	39.1	1.01%
5/28/2026	Head	22.7	2600	1.91	1.96	-2.80%	39.4	39.0	1.03%
5/28/2026	Head	22.7	2650	1.95	2.02	-3.52%	39.3	38.9	0.94%
5/28/2026	Head	22.7	2700	1.99	2.07	-4.02%	39.2	38.9	0.91%
6/1/2026	Head	21.4	1600	1.19	1.28	-7.02%	40.3	40.3	-0.05%
6/1/2026	Head	21.4	1650	1.22	1.31	-6.96%	40.2	40.2	-0.10%
6/1/2026	Head	21.4	1700	1.25	1.34	-6.78%	40.1	40.2	-0.12%
6/1/2026	Head	21.4	1750	1.28	1.37	-6.76%	40.0	40.1	-0.21%
6/1/2026	Head	21.4	1800	1.31	1.40	-6.70%	39.9	40.0	-0.17%
6/1/2026	Head	21.4	1850	1.34	1.40	-4.57%	39.8	40.0	-0.52%
6/1/2026	Head	21.4	1900	1.36	1.40	-2.92%	39.7	40.0	-0.69%
6/1/2026	Head	21.4	1950	1.39	1.40	-0.70%	39.7	40.0	-0.85%
6/1/2026	Head	21.4	2000	1.42	1.40	1.37%	39.6	40.0	-0.98%
6/1/2026	Head	21.4	2050	1.46	1.44	0.74%	39.5	39.9	-0.94%
6/1/2026	Head	21.4	2100	1.48	1.49	-0.34%	39.5	39.8	-0.93%
6/1/2026	Head	21.8	650	0.84	0.89	-5.68%	44.1	42.5	3.94%
6/1/2026	Head	21.8	700	0.85	0.89	-4.33%	44.0	42.2	4.17%
6/1/2026	Head	21.8	750	0.87	0.89	-2.90%	43.8	41.9	4.39%
6/1/2026	Head	21.8	800	0.88	0.90	-1.40%	43.7	41.7	4.80%
6/1/2026	Head	21.8	850	0.90	0.92	-1.41%	43.5	41.5	4.92%
6/1/2026	Head	21.8	900	0.92	0.97	-4.77%	43.4	41.5	4.48%
6/1/2026	Head	21.8	950	0.94	0.99	-5.43%	43.3	41.4	4.43%
6/1/2026	Head	21.2	2300	1.68	1.67	0.65%	40.7	39.5	3.05%
6/1/2026	Head	21.2	2350	1.71	1.71	-0.01%	40.6	39.4	3.11%
6/1/2026	Head	21.2	2400	1.75	1.76	-0.33%	40.5	39.3	3.15%
6/1/2026	Head	21.2	2450	1.79	1.80	-0.80%	40.5	39.2	3.20%
6/1/2026	Head	21.2	2500	1.82	1.85	-1.63%	40.4	39.1	3.17%
6/1/2026	Head	21.2	2550	1.86	1.91	-2.46%	40.3	39.1	3.14%
6/1/2026	Head	21.2	2600	1.90	1.96	-3.02%	40.2	39.0	3.16%
6/1/2026	Head	21.2	2650	1.94	2.02	-3.64%	40.1	38.9	3.06%
6/1/2026	Head	21.2	2700	1.99	2.07	-4.16%	40.1	38.9	3.02%
6/3/2026	Head	22	2300	1.65	1.67	-1.07%	39.2	39.5	-0.74%
6/3/2026	Head	22	2350	1.68	1.71	-1.64%	39.1	39.4	-0.65%
6/3/2026	Head	22	2400	1.72	1.76	-1.88%	39.0	39.3	-0.62%
6/3/2026	Head	22	2450	1.76	1.80	-2.32%	39.0	39.2	-0.58%
6/3/2026	Head	22	2500	1.80	1.85	-3.11%	38.9	39.1	-0.64%
6/3/2026	Head	22	2550	1.83	1.91	-3.96%	38.8	39.1	-0.69%
6/3/2026	Head	22	2600	1.87	1.96	-4.52%	38.7	39.0	-0.68%
6/3/2026	Head	22	2650	1.91	2.02	-5.17%	38.6	38.9	-0.77%
6/3/2026	Head	22	2700	1.96	2.07	-5.67%	38.6	38.9	-0.81%

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
6/3/2026	Head	21.3	3300	2.59	2.71	-4.33%	40.0	38.2	4.73%
6/3/2026	Head	21.3	3350	2.64	2.76	-4.34%	39.9	38.1	4.64%
6/3/2026	Head	21.3	3400	2.68	2.81	-4.63%	39.8	38.0	4.57%
6/3/2026	Head	21.3	3450	2.73	2.86	-4.63%	39.7	38.0	4.48%
6/3/2026	Head	21.3	3500	2.77	2.91	-4.87%	39.6	37.9	4.43%
6/3/2026	Head	21.3	3550	2.82	2.96	-4.83%	39.5	37.9	4.38%
6/3/2026	Head	21.3	3600	2.86	3.02	-5.02%	39.4	37.8	4.27%
6/3/2026	Head	21.3	3650	2.91	3.07	-4.98%	39.4	37.8	4.29%
6/3/2026	Head	21.3	3700	2.96	3.12	-4.94%	39.3	37.7	4.18%
6/3/2026	Head	21.3	3750	3.01	3.17	-5.11%	39.2	37.6	4.19%
6/3/2026	Head	21.3	3800	3.06	3.22	-4.96%	39.1	37.6	4.10%
6/3/2026	Head	21.3	3850	3.11	3.27	-5.04%	39.1	37.5	4.09%
6/3/2026	Head	21.3	3900	3.16	3.32	-4.91%	39.0	37.5	4.04%
6/3/2026	Head	21.3	3950	3.21	3.37	-4.94%	38.9	37.4	3.94%
6/3/2026	Head	21.3	3980	3.24	3.41	-4.93%	38.8	37.4	3.82%
6/5/2026	Head	21.9	5910	5.36	5.39	-0.52%	35.0	35.2	-0.52%
6/5/2026	Head	21.9	5950	5.40	5.43	-0.43%	34.9	35.2	-0.66%
6/5/2026	Head	21.9	6000	5.46	5.48	-0.37%	34.9	35.1	-0.69%
6/5/2026	Head	21.9	6050	5.53	5.54	-0.25%	34.7	35.0	-0.88%
6/5/2026	Head	21.9	6100	5.58	5.60	-0.27%	34.7	35.0	-0.89%
6/5/2026	Head	21.9	6150	5.65	5.66	-0.08%	34.6	34.9	-1.02%
6/5/2026	Head	21.9	6200	5.70	5.72	-0.20%	34.5	34.9	-1.08%
6/5/2026	Head	21.9	6250	5.78	5.78	0.02%	34.4	34.8	-1.17%
6/5/2026	Head	21.9	6500	6.06	6.07	-0.10%	34.0	34.5	-1.55%
6/5/2026	Head	21.9	6750	6.37	6.36	0.22%	33.5	34.2	-1.98%
6/5/2026	Head	21.9	7000	6.66	6.65	0.12%	33.2	33.9	-2.15%
6/5/2026	Head	21.9	7250	6.98	6.95	0.51%	32.7	33.6	-2.77%
6/5/2026	Head	21.9	7500	7.23	7.28	0.69%	31.5	32.8	-3.75%
6/5/2026	Head	21.9	8000	7.87	7.84	0.43%	31.5	32.7	-3.60%
6/7/2026	Head	21.5	3300	2.54	2.71	-6.17%	40.1	38.2	4.99%
6/7/2026	Head	21.5	3350	2.59	2.76	-6.20%	40.0	38.1	4.91%
6/7/2026	Head	21.5	3400	2.63	2.81	-6.47%	39.9	38.0	4.85%
6/7/2026	Head	21.5	3450	2.68	2.86	-6.46%	39.8	38.0	4.77%
6/7/2026	Head	21.5	3500	2.72	2.91	-6.65%	39.7	37.9	4.72%
6/7/2026	Head	21.5	3550	2.77	2.96	-6.62%	39.6	37.9	4.68%
6/7/2026	Head	21.5	3600	2.81	3.02	-6.78%	39.5	37.8	4.57%
6/7/2026	Head	21.5	3650	2.86	3.07	-6.76%	39.5	37.8	4.58%
6/7/2026	Head	21.5	3700	2.91	3.12	-6.71%	39.4	37.7	4.48%
6/7/2026	Head	21.5	3750	2.95	3.17	-6.89%	39.3	37.6	4.49%
6/7/2026	Head	21.5	3800	3.00	3.22	-6.72%	39.2	37.6	4.41%
6/7/2026	Head	21.5	3850	3.05	3.27	-6.81%	39.2	37.5	4.41%
6/7/2026	Head	21.5	3900	3.10	3.32	-6.66%	39.1	37.5	4.38%
6/7/2026	Head	21.5	3950	3.15	3.37	-6.69%	39.0	37.4	4.28%
6/7/2026	Head	21.5	3980	3.18	3.41	-6.66%	39.0	37.4	4.17%
6/7/2026	Head	20.2	1600	1.23	1.28	-4.28%	41.9	40.3	3.97%
6/7/2026	Head	20.2	1650	1.26	1.31	-4.38%	41.8	40.2	3.94%
6/7/2026	Head	20.2	1700	1.28	1.34	-4.35%	41.8	40.2	3.99%
6/7/2026	Head	20.2	1750	1.31	1.37	-4.22%	41.7	40.1	4.01%
6/7/2026	Head	20.2	1800	1.34	1.40	-3.97%	41.6	40.0	4.10%
6/7/2026	Head	20.2	1850	1.38	1.40	-1.53%	41.5	40.0	3.79%
6/7/2026	Head	20.2	1900	1.41	1.40	0.49%	41.4	40.0	3.61%
6/7/2026	Head	20.2	1950	1.44	1.40	3.00%	41.4	40.0	3.40%
6/7/2026	Head	20.2	2000	1.47	1.40	5.27%	41.3	40.0	3.21%
6/7/2026	Head	20.2	2050	1.51	1.44	4.66%	41.2	39.9	3.21%
6/7/2026	Head	20.2	2100	1.54	1.49	3.48%	41.1	39.8	3.19%
6/8/2026	Head	22.5	5910	5.40	5.39	0.19%	35.7	35.2	1.32%
6/8/2026	Head	22.5	5950	5.45	5.43	0.34%	35.6	35.2	1.19%
6/8/2026	Head	22.5	6000	5.50	5.48	0.38%	35.5	35.1	1.17%
6/8/2026	Head	22.5	6050	5.57	5.54	0.50%	35.4	35.0	0.99%
6/8/2026	Head	22.5	6100	5.63	5.60	0.49%	35.3	35.0	0.86%
6/8/2026	Head	22.5	6150	5.70	5.66	0.69%	35.2	34.9	0.86%
6/8/2026	Head	22.5	6200	5.75	5.72	0.58%	35.1	34.9	0.80%
6/8/2026	Head	22.5	6250	5.82	5.78	0.77%	35.0	34.8	0.71%
6/8/2026	Head	22.5	6500	6.11	6.07	0.72%	34.6	34.5	0.33%
6/8/2026	Head	22.5	6750	6.42	6.36	0.98%	34.2	34.2	-0.08%
6/8/2026	Head	22.5	7000	6.71	6.65	0.93%	33.8	33.9	-0.22%
6/8/2026	Head	22.5	7250	7.04	6.95	1.36%	33.3	33.6	-0.84%
6/8/2026	Head	22.5	7950	7.90	7.78	1.57%	32.2	32.8	-1.76%
6/8/2026	Head	22.5	8000	7.94	7.84	1.25%	32.2	32.7	-1.68%
6/8/2026	Head	21.7	650	0.84	0.89	-5.44%	43.5	42.5	2.53%
6/8/2026	Head	21.7	700	0.85	0.89	-4.13%	43.4	42.2	2.72%
6/8/2026	Head	21.7	750	0.87	0.89	-2.66%	43.2	41.9	3.00%
6/8/2026	Head	21.7	800	0.89	0.90	-1.10%	43.0	41.7	3.28%
6/8/2026	Head	21.7	850	0.92	0.92	-1.29%	42.9	41.5	3.45%
6/8/2026	Head	21.7	900	0.93	0.97	-4.52%	42.7	41.5	3.00%
6/8/2026	Head	21.7	950	0.94	0.99	-5.27%	42.7	41.4	2.94%
6/8/2026	Head	21	2300	1.63	1.67	-2.18%	38.4	39.5	-2.69%
6/8/2026	Head	21	2350	1.66	1.71	-2.70%	38.4	39.4	-2.60%
6/8/2026	Head	21	2400	1.70	1.76	-2.93%	38.3	39.3	-2.57%
6/8/2026	Head	21	2450	1.74	1.80	-3.32%	38.2	39.2	-2.53%
6/8/2026	Head	21	2500	1.78	1.85	-4.01%	38.1	39.1	-2.60%
6/8/2026	Head	21	2550	1.82	1.91	-4.78%	38.0	39.1	-2.67%
6/8/2026	Head	21	2600	1.86	1.96	-5.31%	38.0	39.0	-2.70%
6/8/2026	Head	21	2650	1.90	2.02	-6.02%	37.8	38.9	-2.83%
6/8/2026	Head	21	2700	1.94	2.07	-6.54%	37.8	38.9	-2.88%
6/10/2026	Head	21.9	5150	4.45	4.60	-3.45%	36.6	36.0	1.48%
6/10/2026	Head	21.9	5200	4.50	4.66	-3.31%	36.5	36.0	1.37%
6/10/2026	Head	21.9	5250	4.56	4.71	-3.16%	36.4	35.9	1.28%
6/10/2026	Head	21.9	5300	4.61	4.76	-3.12%	36.3	35.9	1.19%
6/10/2026	Head	21.9	5350	4.66	4.81	-3.09%	36.2	35.8	1.09%
6/10/2026	Head	21.9	5500	4.82	4.96	-2.83%	36.0	35.6	0.90%
6/10/2026	Head	21.9	5550	4.88	5.01	-2.73%	35.9	35.6	0.81%
6/10/2026	Head	21.9	5600	4.94	5.07	-2.52%	35.8	35.5	0.72%
6/10/2026	Head	21.9	5650	4.99	5.12	-2.39%	35.7	35.5	0.60%
6/10/2026	Head	21.9	5700	5.05	5.17	-2.19%	35.6	35.4	0.53%
6/10/2026	Head	21.9	5750	5.10	5.22	-2.18%	35.5	35.4	0.48%
6/10/2026	Head	21.9	5800	5.17	5.27	-1.91%	35.4	35.3	0.36%
6/10/2026	Head	21.9	5850	5.22	5.32	-2.00%	35.3	35.3	0.27%
6/10/2026	Head	21.9	5900	5.28	5.38	-1.75%	35.3	35.2	0.20%
6/10/2026	Head	21.1	2300	1.66	1.67	-0.22%	39.2	39.5	-0.75%
6/10/2026	Head	21.1	2350	1.70	1.71	-0.90%	39.1	39.4	-0.67%
6/10/2026	Head	21.1	2400	1.73	1.76	-1.18%	39.0	39.3	-0.64%
6/10/2026	Head	21.1	2450	1.77	1.80	-1.65%	39.0	39.2	-0.61%
6/10/2026	Head	21.1	2500	1.81	1.85	-2.45%	38.9	39.1	-0.67%
6/10/2026	Head	21.1	2550	1.85	1.91	-3.32%	38.8	39.1	-0.74%
6/10/2026	Head	21.1	2600	1.89	1.96	-3.91%	38.7	39.0	-0.73%
6/10/2026	Head	21.1	2650	1.92	2.02	-4.62%	38.6	38.9	-0.86%
6/10/2026	Head	21.1	2700	1.97	2.07	-5.18%	38.5	38.9	-0.89%

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 _r)	Permittivity Target (ε _r)	Deviation
6/14/2026	Head	21.3	2300	1.65	1.67	-1.29%	39.5	39.5	-0.04%
6/14/2026	Head	21.3	2350	1.68	1.71	-1.82%	39.4	39.4	0.03%
6/14/2026	Head	21.3	2400	1.72	1.76	-2.11%	39.3	39.3	0.07%
6/14/2026	Head	21.3	2450	1.76	1.80	-2.50%	39.2	39.2	0.10%
6/14/2026	Head	21.3	2500	1.79	1.85	-3.27%	39.2	39.1	0.06%
6/14/2026	Head	21.3	2550	1.83	1.91	-4.07%	39.1	39.1	-0.02%
6/14/2026	Head	21.3	2600	1.87	1.96	-4.68%	39.0	39.0	0.04%
6/14/2026	Head	21.3	2650	1.91	2.02	-5.25%	38.9	38.9	-0.10%
6/14/2026	Head	21.3	2700	1.95	2.07	-5.79%	38.8	38.9	-0.14%
6/14/2026	Head	21	2300	1.69	1.67	1.33%	40.8	39.5	3.46%
6/14/2026	Head	21	2350	1.72	1.71	0.79%	40.8	39.4	3.51%
6/14/2026	Head	21	2400	1.76	1.76	0.46%	40.7	39.3	3.51%
6/14/2026	Head	21	2450	1.80	1.80	0.10%	40.6	39.2	3.53%
6/14/2026	Head	21	2500	1.84	1.85	-0.74%	40.5	39.1	3.44%
6/14/2026	Head	21	2550	1.88	1.91	-1.54%	40.4	39.1	3.24%
6/14/2026	Head	21	2600	1.92	1.96	-2.19%	40.3	39.0	3.32%
6/14/2026	Head	21	2650	1.96	2.02	-2.75%	40.2	38.9	3.21%
6/14/2026	Head	21	2700	2.00	2.07	-3.33%	40.1	38.9	3.14%
6/14/2026	Head	21.4	5150	4.47	4.60	-2.95%	36.3	36.0	0.79%
6/14/2026	Head	21.4	5200	4.52	4.66	-2.97%	36.3	36.0	0.77%
6/14/2026	Head	21.4	5250	4.58	4.71	-2.79%	36.1	35.9	0.61%
6/14/2026	Head	21.4	5300	4.63	4.76	-2.63%	36.1	35.9	0.67%
6/14/2026	Head	21.4	5350	4.69	4.81	-2.38%	36.0	35.8	0.47%
6/14/2026	Head	21.4	5500	4.84	4.96	-2.46%	35.7	35.6	0.21%
6/14/2026	Head	21.4	5550	4.91	5.01	-2.09%	35.6	35.6	0.13%
6/14/2026	Head	21.4	5600	4.96	5.07	-2.11%	35.5	35.5	0.05%
6/14/2026	Head	21.4	5650	5.03	5.12	-1.73%	35.5	35.5	-0.02%
6/14/2026	Head	21.4	5700	5.07	5.17	-1.84%	35.4	35.4	-0.14%
6/14/2026	Head	21.4	5750	5.12	5.22	-1.53%	35.3	35.3	-0.12%
6/14/2026	Head	21.4	5800	5.19	5.27	-1.51%	35.2	35.3	-0.36%
6/14/2026	Head	21.4	5850	5.25	5.32	-1.38%	35.1	35.3	-0.34%
6/14/2026	Head	21.4	5900	5.30	5.38	-1.33%	35.0	35.2	-0.56%
6/17/2026	Head	23.3	650	0.84	0.89	-4.85%	43.1	42.5	1.46%
6/17/2026	Head	23.3	700	0.86	0.89	-3.49%	42.9	42.2	1.66%
6/17/2026	Head	23.3	750	0.88	0.89	-2.05%	42.7	41.9	1.87%
6/17/2026	Head	23.3	800	0.89	0.90	-0.59%	42.6	41.7	2.14%
6/17/2026	Head	23.3	850	0.92	0.92	0.08%	42.4	41.5	2.24%
6/17/2026	Head	23.3	900	0.93	0.97	-4.04%	42.2	41.5	1.76%
6/17/2026	Head	23.3	950	0.95	0.99	-4.86%	42.1	41.4	1.69%
6/17/2026	Head	23.9	5150	4.42	4.60	-3.90%	37.4	36.0	3.77%
6/17/2026	Head	23.9	5200	4.48	4.66	-3.77%	37.3	36.0	3.70%
6/17/2026	Head	23.9	5250	4.54	4.71	-3.61%	37.2	35.9	3.60%
6/17/2026	Head	23.9	5300	4.59	4.76	-3.51%	37.2	35.9	3.57%
6/17/2026	Head	23.9	5350	4.63	4.81	-3.43%	37.0	35.8	3.44%
6/17/2026	Head	23.9	5500	4.81	4.96	-3.15%	36.8	35.6	3.32%
6/17/2026	Head	23.9	5550	4.86	5.01	-3.00%	36.7	35.6	3.21%
6/17/2026	Head	23.9	5600	4.92	5.07	-2.84%	36.7	35.5	3.16%
6/17/2026	Head	23.9	5650	4.98	5.12	-2.63%	36.5	35.5	3.03%
6/17/2026	Head	23.9	5700	5.04	5.17	-2.48%	36.5	35.4	2.99%
6/17/2026	Head	23.9	5750	5.10	5.22	-2.33%	36.4	35.4	2.84%
6/17/2026	Head	23.9	5800	5.16	5.27	-2.15%	36.3	35.3	2.84%
6/17/2026	Head	23.9	5850	5.21	5.32	-2.08%	36.2	35.3	2.79%
6/17/2026	Head	23.9	5900	5.27	5.38	-1.97%	36.2	35.2	2.71%
6/17/2026	Head	22.3	2300	1.67	1.67	0.22%	40.7	39.5	3.01%
6/17/2026	Head	22.3	2350	1.70	1.71	-0.36%	40.6	39.4	3.07%
6/17/2026	Head	22.3	2400	1.74	1.76	-0.69%	40.5	39.3	3.10%
6/17/2026	Head	22.3	2450	1.78	1.80	-1.17%	40.4	39.2	3.14%
6/17/2026	Head	22.3	2500	1.82	1.85	-1.98%	40.4	39.1	3.11%
6/17/2026	Head	22.3	2550	1.85	1.91	-2.89%	40.3	39.1	3.05%
6/17/2026	Head	22.3	2600	1.90	1.96	-3.44%	40.2	39.0	3.07%
6/17/2026	Head	22.3	2650	1.93	2.02	-4.14%	40.1	38.9	2.98%
6/17/2026	Head	22.3	2700	1.98	2.07	-4.67%	40.0	38.9	2.96%
6/24/2026	Head	22	1600	1.24	1.28	-3.49%	42.4	40.3	5.17%
6/24/2026	Head	22	1650	1.27	1.31	-3.66%	42.3	40.2	5.15%
6/24/2026	Head	22	1700	1.29	1.34	-3.78%	42.2	40.2	5.19%
6/24/2026	Head	22	1750	1.32	1.37	-3.71%	42.2	40.1	5.23%
6/24/2026	Head	22	1800	1.35	1.40	-3.54%	42.1	40.0	5.33%
6/24/2026	Head	22	1850	1.38	1.40	-1.14%	42.0	40.0	5.03%
6/24/2026	Head	22	1900	1.41	1.40	0.85%	41.9	40.0	4.82%
6/24/2026	Head	22	1950	1.44	1.40	3.21%	41.8	40.0	4.59%
6/24/2026	Head	22	2000	1.47	1.40	5.27%	41.8	40.0	4.38%
6/24/2026	Head	22	2050	1.51	1.44	4.40%	41.7	39.9	4.43%
6/24/2026	Head	22	2100	1.54	1.46	5.13%	41.6	39.8	4.45%
6/24/2026	Head	21.4	3300	2.54	2.71	-6.08%	40.8	38.2	7.03%
6/24/2026	Head	21.4	3350	2.59	2.76	-6.15%	40.8	38.1	6.96%
6/24/2026	Head	21.4	3400	2.63	2.81	-6.48%	40.7	38.0	6.90%
6/24/2026	Head	21.4	3450	2.68	2.86	-6.51%	40.6	38.0	6.83%
6/24/2026	Head	21.4	3500	2.71	2.91	-6.79%	40.5	37.9	6.80%
6/24/2026	Head	21.4	3550	2.76	2.96	-6.74%	40.4	37.9	6.78%
6/24/2026	Head	21.4	3600	2.80	3.02	-6.98%	40.3	37.8	6.68%
6/24/2026	Head	21.4	3650	2.85	3.07	-6.92%	40.3	37.8	6.72%
6/24/2026	Head	21.4	3700	2.90	3.12	-6.91%	40.2	37.7	6.62%
6/24/2026	Head	21.4	3750	2.95	3.17	-7.04%	40.1	37.6	6.66%
6/24/2026	Head	21.4	3800	3.00	3.22	-6.90%	40.1	37.6	6.56%
6/24/2026	Head	21.4	3850	3.04	3.27	-6.98%	40.0	37.5	6.59%
6/24/2026	Head	21.4	3900	3.09	3.32	-6.87%	39.9	37.5	6.54%
6/24/2026	Head	21.4	3950	3.14	3.37	-6.89%	39.8	37.4	6.49%
6/24/2026	Head	21.4	3980	3.17	3.41	-6.91%	39.8	37.4	6.37%
6/30/2026	Head	21.5	1600	1.23	1.28	-4.53%	42.4	40.3	5.07%
6/30/2026	Head	21.5	1650	1.26	1.31	-4.33%	42.3	40.2	5.09%
6/30/2026	Head	21.5	1700	1.29	1.34	-4.03%	42.2	40.2	5.00%
6/30/2026	Head	21.5	1750	1.32	1.37	-3.95%	42.1	40.1	4.94%
6/30/2026	Head	21.5	1800	1.34	1.40	-4.21%	41.9	40.0	4.87%
6/30/2026	Head	21.5	1850	1.37	1.40	-2.31%	41.9	40.0	4.66%
6/30/2026	Head	21.5	1900	1.39	1.40	-0.56%	41.8	40.0	4.53%
6/30/2026	Head	21.5	1950	1.42	1.40	1.75%	41.8	40.0	4.51%
6/30/2026	Head	21.5	2000	1.46	1.40	4.24%	41.8	40.0	4.42%
6/30/2026	Head	21.5	2050	1.50	1.44	3.86%	41.7	39.9	4.57%
6/30/2026	Head	21.5	2100	1.53	1.49	3.04%	41.6	39.8	4.53%

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

The SAR values were compensated for deviations between the measured and required tissue dielectric properties, as described in IEEE 1528-2013. The SAR values were applied to only scale up the measured SAR values, and not downward, per KDB Publication 865664 D01v04r04.

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
Epsilon	750	04/20/2026	7971	1862	750	Head	0.881	43.8	PASS	PASS	PASS	N/A	N/A	N/A
Zeta	750	02/16/2026	7969	1933	750	Head	0.829	43.4	PASS	PASS	PASS	N/A	N/A	N/A
Epsilon	835	04/20/2026	7971	1862	835	Head	0.911	43.6	PASS	PASS	PASS	GMSK	PASS	N/A
Zeta	835	02/17/2026	7969	1933	835	Head	0.884	44.7	PASS	PASS	PASS	GMSK	PASS	N/A
Delta	1750	12/02/2025	7853	1844	1750	Head	1.35	39.57	PASS	PASS	PASS	N/A	N/A	N/A
Zeta	1750	02/12/2026	7969	1933	1750	Head	1.25	38.3	PASS	PASS	PASS	N/A	N/A	N/A
Delta	1900	12/02/2025	7853	1844	1900	Head	1.44	39.5	PASS	PASS	PASS	GMSK	PASS	N/A
Zeta	1900	02/12/2026	7969	1933	1900	Head	1.33	38	PASS	PASS	PASS	GMSK	PASS	N/A
Gamma	2300	08/22/2025	7872	1843	2300	Head	1.713	39.641	PASS	PASS	PASS	N/A	N/A	N/A
Beta	2300	01/28/2026	7857	1838	2300	Head	1.66	39	PASS	PASS	PASS	N/A	N/A	N/A
Beta	2450	01/23/2026	7857	1838	2450	Head	1.77	38.7	PASS	PASS	PASS	OFDM	N/A	PASS
Epsilon	2450	04/20/2026	7971	1862	2450	Head	1.79	38.3	PASS	PASS	PASS	OFDM	N/A	PASS
Delta	2450	12/11/2025	7853	1844	2450	Head	1.8	39.9	PASS	PASS	PASS	OFDM	N/A	PASS
Beta	2600	01/28/2026	7857	1838	2600	Head	1.89	39	PASS	PASS	PASS	TDD	PASS	N/A
Delta	2600	12/10/2025	7853	1844	2600	Head	1.9	37.2	PASS	PASS	PASS	TDD	PASS	N/A
Zeta	2600	02/13/2026	7969	1933	2600	Head	1.82	37	PASS	PASS	PASS	TDD	PASS	N/A
Delta	3500	12/04/2025	7853	1844	3500	Head	2.79	39.6	PASS	PASS	PASS	TDD	PASS	N/A
Gamma	3500	01/21/2026	7872	1843	3500	Head	2.7	37	PASS	PASS	PASS	TDD	PASS	N/A
Delta	3700	12/04/2025	7853	1844	3700	Head	2.98	39.3	PASS	PASS	PASS	TDD	PASS	N/A
Gamma	3700	01/21/2026	7872	1843	3700	Head	2.87	36.7	PASS	PASS	PASS	TDD	PASS	N/A
Delta	3900	12/04/2025	7853	1844	3900	Head	3.19	39	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	5600	08/26/2025	7872	1843	5600	Head	4.971	33.989	PASS	PASS	PASS	OFDM	N/A	PASS
Gamma	5750	08/26/2025	7872	1843	5750	Head	5.141	33.717	PASS	PASS	PASS	OFDM	N/A	PASS
Gamma	5850	08/26/2025	7872	1843	5850	Head	5.2	33.6	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

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.

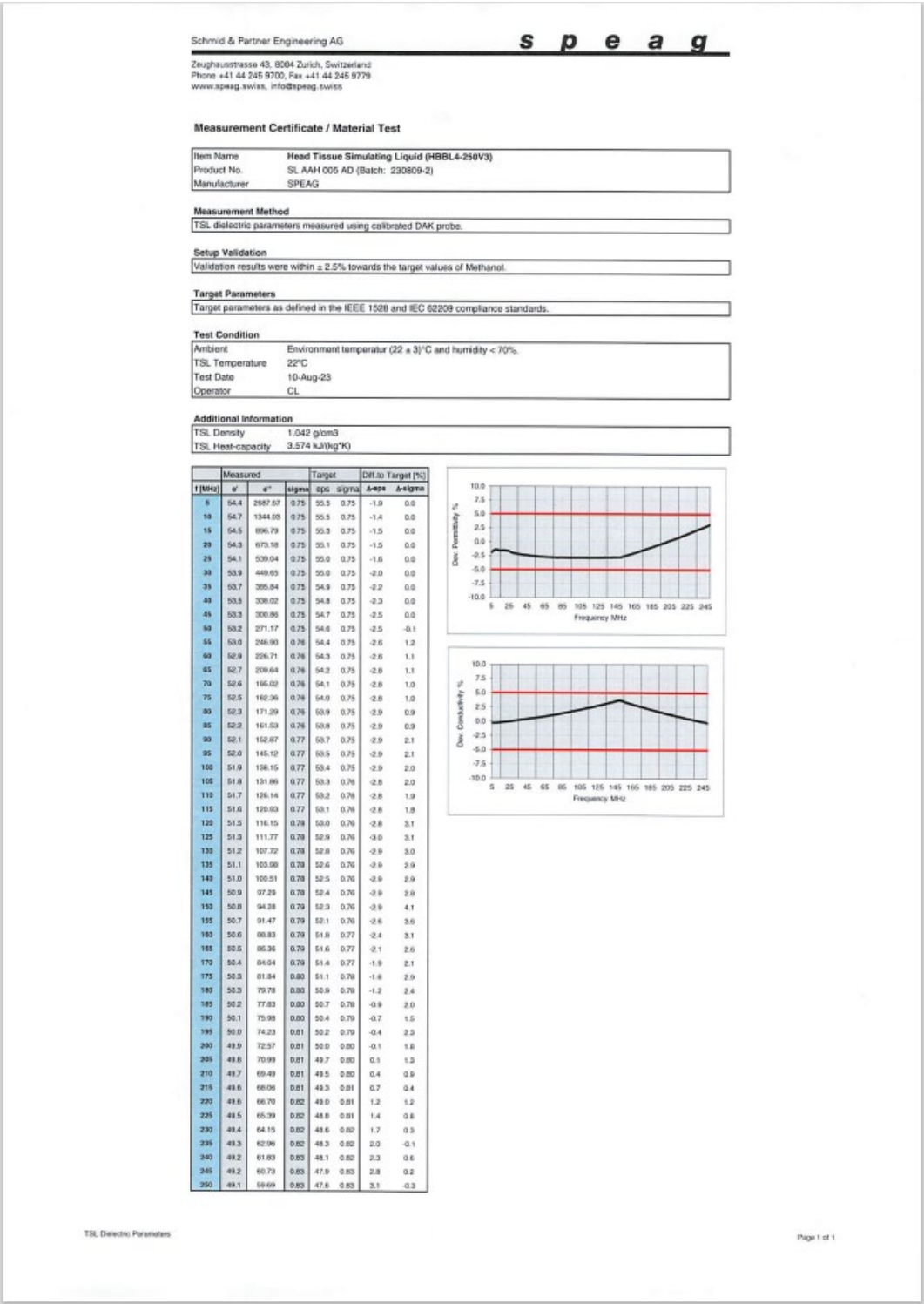


Figure 1 - Head TSL Calibration Certificate Example (4 – 250 MHz)

Measurement Certificate / Material Test

Item Name Head Tissue Simulating Liquid (HBBL600-10000V5)
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

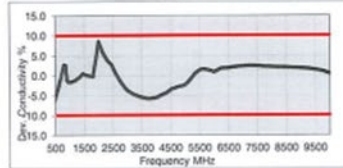
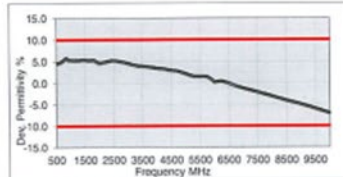
Ambient Condition 22°C ; 30% humidity
TSL Temperature 22°C
Test Date 14-Sep-23
Operator CL

Additional Information

TSL Density
TSL Heat-capacity

Results

f (MHz)	Measured			Target		Diff. to Target [%]	
	ϵ'	ϵ''	σ	ϵ_{ps}	σ_{ps}	$\Delta\epsilon_{ps}$	$\Delta\sigma_{ps}$
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	39.5	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	4.76	35.9	4.76	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	1.5	1.6
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	18.6	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

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