



REPORT No.: SZ24070315S01

Annex C System Performance Check Test Data



Head Tissue & System Verification for WWAN/WLAN/BT(SISO)

Tissue Verification											System Validation													
Frequency (MHz)	Tissue Type	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Conductivity Target (σ)	Permittivity Target (ε _r)	Delta (σ) (%)	Delta (ε _r) (%)	Limit (%)	Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
750	HSL	22.1	0.917	41.100	0.89	41.90	3.03	-1.91	±5	2024/8/2	750	HSL	250	D750V3-1223	3823	480	2.17	8.54	8.68	1.54	1.46	5.57	5.84	4.85
750	HSL	22.2	0.912	41.200	0.89	41.90	2.47	-1.67	±5	2024/8/3	750	HSL	250	D750V3-1223	3823	480	2.09	8.54	8.36	-2.11	1.38	5.57	5.52	-0.90
750	HSL	22.3	0.904	41.050	0.89	41.90	1.57	-2.03	±5	2024/8/5	750	HSL	250	D750V3-1223	3823	480	2.06	8.54	8.24	-3.51	1.36	5.57	5.44	-2.33
750	HSL	22.4	0.915	41.220	0.89	41.90	2.81	-1.62	±5	2024/9/23	750	HSL	250	D750V3-1223	3823	480	2.19	8.54	8.76	2.58	1.49	5.57	5.96	7.00
900	HSL	22.1	0.983	40.553	0.97	41.50	1.34	-2.28	±5	2024/8/11	900	HSL	250	D900V2-10064	3823	480	2.92	11.20	11.68	4.29	1.91	7.19	7.84	6.26
900	HSL	22.2	0.968	40.660	0.97	41.50	-0.21	-2.02	±5	2024/8/17	900	HSL	250	D900V2-10064	3823	480	3.00	11.20	12	7.14	1.96	7.19	7.84	9.04
900	HSL	22.3	0.980	40.703	0.97	41.50	1.03	-1.92	±5	2024/8/18	900	HSL	250	D900V2-10064	3823	480	2.97	11.20	11.88	6.07	1.93	7.19	7.72	7.37
900	HSL	22.4	0.977	40.673	0.97	41.50	0.72	-1.99	±5	2024/9/2	900	HSL	250	D900V2-10064	3295	1324	2.87	11.20	11.48	2.50	1.90	7.19	7.6	5.70
1800	HSL	22.1	1.395	40.465	1.40	40.00	-0.36	1.16	±5	2024/8/19	1800	HSL	250	D1800V2-20158	3823	480	10.80	39.20	42.4	8.16	5.48	20.10	21.92	9.05
1800	HSL	22.2	1.407	40.585	1.40	40.00	0.50	1.46	±5	2024/9/29	1800	HSL	250	D1800V2-20158	3823	480	9.79	39.20	39.16	-0.10	5.24	20.10	20.96	4.28
1800	HSL	22.3	1.387	40.385	1.40	40.00	-0.93	0.96	±5	2024/9/22	1800	HSL	250	D1800V2-20158	3823	480	9.91	39.20	39.64	1.12	5.36	20.10	21.44	6.67
1800	HSL	22.4	1.380	40.565	1.40	40.00	-1.43	1.41	±5	2024/9/28	1800	HSL	250	D1800V2-20158	3295	1324	15.10	39.20	40.4	3.06	5.41	20.10	21.64	7.66
1800	HSL	22.5	1.385	40.365	1.40	40.00	-1.07	0.91	±5	2024/9/1	1800	HSL	250	D1800V2-20158	3295	1324	10.30	39.20	41.2	5.10	5.46	20.10	21.64	8.66
2000	HSL	22.1	1.425	39.761	1.40	40.00	-1.79	0.60	±5	2024/8/21	2000	HSL	250	D2000V2-1050	3823	480	11.10	41.60	44.4	6.73	5.49	20.70	21.96	6.09
2300	HSL	22.2	1.640	39.251	1.67	39.50	-1.80	0.63	±5	2024/9/30	2300	HSL	250	D2300V2-1107	3823	480	11.70	48.40	46.8	-3.31	5.99	23.00	22.36	-2.78
2300	HSL	22.3	1.627	39.350	1.67	39.00	-2.57	-0.38	±5	2024/9/22	2300	HSL	250	D2300V2-1107	3295	1324	11.89	48.40	47.56	-1.74	5.94	23.00	23.36	1.57
2450	HSL	22.4	1.851	39.422	1.80	39.20	2.83	0.57	±5	2024/9/27	2450	HSL	250	D2450V2-805	3823	480	13.80	52.30	55.2	5.54	6.45	23.90	25.8	7.95
2450	HSL	22.5	1.803	38.901	1.80	39.20	0.17	-0.76	±5	2024/9/22	2450	HSL	250	D2450V2-805	3295	1324	13.50	52.30	54	3.25	6.33	23.90	25.32	5.94
2600	HSL	22.1	1.987	38.294	1.96	39.00	1.38	-1.81	±5	2024/9/16	2600	HSL	250	D2600V2-1198	3823	480	15.60	57.00	62.4	9.47	6.97	25.70	27.88	8.48
2600	HSL	22.2	1.972	38.390	1.96	39.00	0.61	-1.56	±5	2024/9/17	2600	HSL	250	D2600V2-1198	3823	480	15.50	57.00	62	8.77	6.92	25.70	27.68	7.70
2600	HSL	22.3	1.995	38.414	1.96	39.00	1.79	-1.50	±5	2024/9/19	2600	HSL	250	D2600V2-1198	3823	480	15.16	57.00	60.64	6.39	6.90	25.70	27.6	7.39
2600	HSL	22	1.963	38.520	1.96	39.00	1.17	-1.23	±5	2024/9/20	2600	HSL	250	D2600V2-1198	3823	480	15.47	57.00	61.88	8.56	6.91	25.70	27.64	7.55
2600	HSL	22.4	1.950	38.340	1.96	39.00	-0.51	-1.69	±5	2024/9/21	2600	HSL	250	D2600V2-1198	3823	480	14.50	57.00	58.4	2.46	6.76	25.70	27.94	5.21
2600	HSL	22.5	2.010	38.634	1.96	39.00	2.55	-0.94	±5	2024/9/22	2600	HSL	250	D2600V2-1198	3823	480	15.56	57.00	62.24	9.19	6.82	25.70	27.28	6.15
2600	HSL	22.6	2.004	38.410	1.96	39.00	2.24	-1.51	±5	2024/9/28	2600	HSL	250	D2600V2-1198	3823	480	15.62	57.00	62.48	9.61	6.99	25.70	27.96	8.79
2600	HSL	22.7	1.991	38.324	1.96	39.00	1.58	-1.73	±5	2024/9/18	2600	HSL	250	D2600V2-1198	3295	1324	15.49	57.00	61.96	8.70	6.71	25.70	26.84	4.44
2600	HSL	22.8	1.948	38.838	1.96	39.00	-0.61	-0.42	±5	2024/9/23	2600	HSL	250	D2600V2-1198	3295	1324	15.50	57.00	62	8.77	6.98	25.70	27.92	8.64
2600	HSL	22.9	1.997	38.385	1.96	39.00	1.89	-1.58	±5	2024/9/25	2600	HSL	250	D2600V2-1198	3295	1324	15.38	57.00	61.52	7.93	6.79	25.70	27.16	5.66
2600	HSL	23.1	1.990	38.610	1.96	39.00	1.02	-0.49	±5	2024/9/26	2600	HSL	250	D2600V2-1198	3295	1324	15.44	57.00	61.78	8.35	6.84	25.70	27.38	6.66
3500	HSL	22.1	2.775	37.457	2.91	37.50	-0.71	-1.17	±5	2024/8/6	3500	HSL	100	D3500V2-1104	7608	1643	7.24	67.20	72.4	7.14	2.75	25.10	27.5	9.66
3500	HSL	22.2	2.800	37.007	2.91	37.50	-3.68	-2.36	±5	2024/8/8	3500	HSL	100	D3500V2-1104	7608	1643	7.19	67.20	71.8	6.85	2.68	25.10	26.8	6.77
3500	HSL	22.3	2.856	37.367	2.91	37.50	-1.88	-1.41	±5	2024/8/1	3500	HSL	100	D3500V2-1104	7608	1643	7.19	67.20	71.9	6.99	2.73	25.10	27.3	8.76
3500	HSL	22.4	2.795	37.967	2.91	37.50	-3.95	0.18	±5	2024/8/3	3500	HSL	100	D3500V2-1104	7608	1643	7.16	67.20	71.6	6.55	2.67	25.10	26.7	6.37
3500	HSL	22.5	2.862	37.797	2.91	37.50	-1.65	-0.27	±5	2024/9/11	3500	HSL	100	D3500V2-1104	7608	1643	7.22	67.20	72.2	7.44	2.75	25.10	27.5	9.56
3700	HSL	22.1	2.989	35.718	3.05	37.70	-2.66	-2.60	±5	2024/8/9	3700	HSL	100	D3700V2-1076	7608	1643	7.33	67.50	73.3	8.59	2.64	24.20	26.4	9.09
3700	HSL	22.2	2.950	36.629	3.05	37.70	-3.28	-2.84	±5	2024/8/30	3700	HSL	100	D3700V2-1076	7608	1643	7.25	67.50	72.5	7.41	2.59	24.20	25.9	7.02
3700	HSL	22.3	3.005	36.880	3.05	37.70	-1.44	-2.18	±5	2024/8/31	3700	HSL	100	D3700V2-1076	7608	1643	7.37	67.50	73.7	9.19	2.65	24.20	26.5	9.50
3700	HSL	22.4	2.991	36.858	3.05	37.70	-1.85	-2.91	±5	2024/9/8	3700	HSL	100	D3700V2-1076	7608	1643	7.14	67.50	71.4	5.78	2.48	24.20	24.6	2.48
3700	HSL	22.5	2.956	36.758	3.05	37.70	-3.09	-2.50	±5	2024/9/12	3700	HSL	100	D3700V2-1076	7608	1643	7.25	67.50	72.8	7.56	2.55	24.20	25.5	5.37
3900	HSL	22.1	3.105	35.160	3.15	37.50	-1.33	-3.57	±5	2024/8/14	3900	HSL	100	D3900V2-1176	7608	1643	7.34	69.90	73.4	5.01	2.57	24.10	25.7	6.64
3900	HSL	22.2	3.125	35.198	3.15	37.50	-0.79	-3.48	±5	2024/8/9	3900	HSL	100	D3900V2-1176	7608	1643	7.41	69.90	74.1	6.01	2.59	24.10	25.9	7.47
3900	HSL	22.3	3.140	35.366	3.15	37.50	-0.32	-3.02	±5	2024/9/13	3900	HSL	100	D3900V2-1176	7608	1643	7.47	69.90	74.7	6.87	2.61	24.10	26.1	8.30
5250	HSL	22.1	4.722	35.311	4.71	35.95	0.25	-1.78	±5	2024/9/24	5250	HSL	100	D5G4V2-1176-5250	3823	480	7.88	76.70	78.8	2.74	2.35	22.10	23.5	6.33
5600	HSL	22.3	5.041	34.500	5.07	35.50	-0.57	-2.82	±5	2024/9/25	5600	HSL	100	D5G4V2-1176-5600	3823	480	8.55	80.80	85.5	5.82	2.50	23.30	25	7.30
5750	HSL	22.4	5.088	34.300	5.22	35.35	-2.53	-2.97	±5	2024/9/26	5750	HSL	100	D5G4V2-1176-5750	3823	480	8.37	76.70	83.7	6.35	2.45	22.50	24.5	8.89



Body Tissue & System Verification for WWAN/WLAN/BT (SISO)

Tissue Verification										System Validation														
Frequency (MHz)	Tissue Type	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Conductivity Target (σ)	Permittivity Target (ε _r)	Delta (σ) (%)	Delta (ε _r) (%)	Limit (%)	Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
750	HSL	22.3	0.925	43.211	0.89	41.90	3.93	3.13	±5	2024/8/6	750	HSL	250	D750V3-1223	3823	480	2.09	8.54	8.36	-2.11	1.39	5.57	5.56	-0.18
750	HSL	22.1	0.918	43.097	0.89	41.90	3.15	2.86	±5	2024/8/8	750	HSL	250	D750V3-1223	3823	480	2.13	8.54	8.52	-0.23	1.33	5.57	5.32	-4.49
750	HSL	22.5	0.896	42.975	0.89	41.90	0.67	2.57	±5	2024/8/9	750	HSL	250	D750V3-1223	3823	480	2.24	8.54	8.96	4.92	1.41	5.57	5.64	1.26
750	HSL	22.2	0.901	43.128	0.89	41.90	1.24	2.93	±5	2024/8/10	750	HSL	250	D750V3-1223	3823	480	2.09	8.54	8.36	-2.11	1.36	5.57	5.44	-2.33
900	HSL	22.6	0.995	42.965	0.97	41.50	1.55	3.53	±5	2024/8/14	900	HSL	250	D900V2-1064	3823	480	2.81	11.20	11.24	0.36	1.79	7.19	7.16	-0.42
900	HSL	22.5	0.974	42.958	0.97	41.50	0.41	3.63	±5	2024/8/15	900	HSL	250	D900V2-1064	3823	1643	2.76	11.20	11.04	-1.43	1.75	7.19	7	-2.64
900	HSL	22.1	0.923	43.118	0.97	41.50	-4.85	3.90	±5	2024/8/20	900	HSL	250	D900V2-1064	3823	480	3.02	11.20	12.08	7.86	1.88	7.19	7.52	4.59
900	HSL	22.4	0.958	42.811	0.97	41.50	-1.24	3.16	±5	2024/8/31	900	HSL	250	D900V2-1064	3823	480	2.71	11.20	10.84	-3.21	1.73	7.19	6.92	-3.76
900	HSL	22.2	0.937	43.253	0.97	41.50	-3.40	4.22	±5	2024/9/1	900	HSL	250	D900V2-1064	3823	480	2.89	11.20	11.56	3.21	1.83	7.19	7.32	1.81
1800	HSL	22.7	1.463	40.844	1.40	40.00	4.50	2.11	±5	2024/9/2	1800	HSL	250	D1800V2-20158	3823	480	10.13	39.20	40.52	3.37	5.11	20.10	20.44	1.69
1800	HSL	22.6	1.466	40.869	1.40	40.00	4.71	2.17	±5	2024/9/3	1800	HSL	250	D1800V2-20158	3823	480	10.17	39.20	40.68	3.78	5.09	20.10	20.36	1.29
1800	HSL	22.2	1.429	40.531	1.40	40.00	2.07	1.33	±5	2024/9/5	1800	HSL	250	D1800V2-20158	3823	480	10.01	39.20	40.04	2.14	4.92	20.10	19.66	-2.09
1800	HSL	22.3	1.417	40.526	1.40	40.00	1.21	1.32	±5	2024/9/6	1800	HSL	250	D1800V2-20158	3823	480	9.97	39.20	39.48	0.71	4.89	20.10	19.66	-2.69
1800	HSL	22.9	1.469	40.839	1.40	40.00	4.93	2.10	±5	2024/9/7	1800	HSL	250	D1800V2-20158	3823	480	10.26	39.20	41	4.59	5.26	20.10	21.04	4.68
1800	HSL	22.8	1.455	40.734	1.40	40.00	3.93	1.84	±5	2024/9/8	1800	HSL	250	D1800V2-20158	3823	480	10.21	39.20	40.84	4.18	5.17	20.10	20.66	2.89
2000	HSL	22.3	1.419	39.233	1.40	40.00	1.36	-1.92	±5	2024/9/9	2000	HSL	250	D2000V2-1050	3823	480	10.56	41.60	42.24	1.54	5.29	20.70	21.16	2.22
2300	HSL	22.2	1.703	41.087	1.67	39.50	1.98	4.02	±5	2024/9/10	2300	HSL	250	D2300V2-1107	3823	480	12.11	48.40	48.44	0.08	5.63	23.00	22.52	-2.09
2450	HSL	22.6	1.811	39.275	1.80	39.20	0.61	0.19	±5	2024/9/14	2450	HSL	250	D2450V2-805	3823	480	13.55	52.30	54.2	3.63	6.09	23.90	24.36	1.92
2600	HSL	22.9	1.966	38.203	1.96	39.00	0.31	-2.04	±5	2024/9/12	2600	HSL	250	D2600V2-1198	3823	480	14.29	57.00	57.16	0.28	6.23	25.70	24.92	-3.04
2600	HSL	22.1	1.874	37.677	1.96	39.00	-4.39	-3.39	±5	2024/9/13	2600	HSL	250	D2600V2-1198	3823	480	15.03	57.00	60.12	5.47	6.58	25.70	26.32	2.41
2600	HSL	22.5	1.903	38.142	1.96	39.00	-2.91	-2.20	±5	2024/9/14	2600	HSL	250	D2600V2-1198	3823	480	14.33	57.00	57.32	0.56	6.31	25.70	25.24	-1.79
2600	HSL	22.4	1.896	37.538	1.96	39.00	-3.27	-3.75	±5	2024/9/15	2600	HSL	250	D2600V2-1198	3823	480	14.37	57.00	57.08	0.14	6.24	25.70	24.96	-2.88
2600	HSL	22.5	1.928	38.106	1.96	39.00	-1.63	-2.29	±5	2024/9/20	2600	HSL	250	D2600V2-1198	3823	480	14.26	57.00	57.04	0.07	6.26	25.70	25.12	-2.26
2600	HSL	22.3	1.875	37.233	1.96	39.00	-4.34	-4.53	±5	2024/9/28	2600	HSL	250	D2600V2-1198	3823	480	14.65	57.00	58.6	2.81	6.44	25.70	25.76	0.23
3500	HSL	22.7	3.011	37.358	2.91	37.90	3.47	-1.43	±5	2024/9/16	3500	HSL	100	D3500V2-1104	7608	1643	6.62	67.20	66.2	-1.49	2.48	25.10	24.8	-1.20
3500	HSL	22.8	3.008	38.412	2.91	37.90	3.37	1.35	±5	2024/9/17	3500	HSL	100	D3500V2-1104	7608	1643	6.58	67.20	65.8	-2.08	2.39	25.10	23.9	-4.78
3500	HSL	22.5	2.896	38.007	2.91	37.90	-0.48	0.28	±5	2024/9/18	3500	HSL	100	D3500V2-1104	7608	1643	6.62	67.20	69.2	2.98	2.54	25.10	25.4	1.20
3500	HSL	22.7	2.985	37.277	2.91	37.90	2.56	-1.64	±5	2024/9/19	3500	HSL	100	D3500V2-1104	7608	1643	6.53	67.20	65.3	-2.83	2.37	25.10	23.7	-5.58
3500	HSL	22.6	2.995	38.229	2.91	37.90	-0.17	0.67	±5	2024/9/20	3500	HSL	100	D3500V2-1104	7608	1643	6.73	67.20	67.3	0.15	2.41	25.10	24.1	-3.96
3700	HSL	22.4	3.129	37.694	3.05	37.70	2.99	-0.02	±5	2024/9/21	3700	HSL	100	D3700V2-1076	7608	1643	7.08	67.50	70.8	4.89	2.41	24.20	24.1	-0.41
3700	HSL	22.8	3.108	38.041	3.05	37.70	1.90	0.90	±5	2024/9/22	3700	HSL	100	D3700V2-1076	7608	1643	6.95	67.50	68.5	1.48	2.35	24.20	23.5	-2.89
3700	HSL	22.7	3.004	37.892	3.05	37.70	-1.51	0.51	±5	2024/9/23	3700	HSL	100	D3700V2-1076	7608	1643	7.11	67.50	71.1	5.33	2.39	24.20	23.9	-1.24
3700	HSL	22.6	2.994	38.012	3.05	37.70	-1.84	0.83	±5	2024/9/24	3700	HSL	100	D3700V2-1076	7608	1643	7.09	67.50	70.9	5.04	2.32	24.20	23.2	-4.13
3700	HSL	22.3	3.201	37.713	3.05	37.70	4.96	0.03	±5	2024/9/25	3700	HSL	100	D3700V2-1076	7608	1643	7.19	67.50	71.9	6.52	2.43	24.20	24.3	0.41
3900	HSL	22.2	3.112	37.032	3.15	37.50	-1.21	-1.25	±5	2024/9/26	3900	HSL	100	D3900V2-1176	7608	1643	7.22	69.90	72.2	3.29	2.29	24.10	22.9	-4.98
3900	HSL	22.2	3.206	38.114	3.15	37.50	1.78	1.64	±5	2024/9/27	3900	HSL	100	D3900V2-1176	7608	1643	7.19	69.90	71.9	3.86	2.38	24.10	23.8	-1.24
3900	HSL	22.6	3.044	36.872	3.15	37.50	-3.37	-1.67	±5	2024/9/28	3900	HSL	100	D3900V2-1176	7608	1643	7.31	69.90	73.1	4.58	2.51	24.10	26.1	4.15
5200	HSL	22.7	4.883	35.327	4.71	35.96	-0.57	-1.73	±5	2024/9/29	5200	HSL	100	D5200V2-1176-5200	3823	480	7.42	76.70	74.2	-3.28	2.29	22.10	22.9	3.82
5600	HSL	22.4	4.820	36.055	5.07	35.50	-4.75	1.56	±5	2024/9/30	5600	HSL	100	D5600V2-1176-5600	3823	480	8.43	80.80	84.3	4.33	2.35	23.50	23.5	0.86
5700	HSL	22.5	5.168	35.918	5.22	35.35	-1.00	1.61	±5	2024/9/31	5700	HSL	100	D5600V2-1176-5700	3823	480	8.11	76.70	81.1	3.05	2.23	22.50	22.3	-0.89



Head Tissue & System Verification for Simultaneous Transmission/CA &ENDC SISO

Tissue Verification										System Validation														
Frequency (MHz)	Tissue Type	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Conductivity Target (σ)	Permittivity Target (ε _r)	Delta (σ) (%)	Delta (ε _r) (%)	Limit (%)	Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
750	HSL	22.3	0.896	41.972	0.89	41.90	0.67	0.17	±5	2024/8/2	750	HSL	250	D750V3-1223	3295	1324	2.27	8.54	9.08	6.32	1.49	5.57	5.96	7.00
750	HSL	22.4	0.899	41.953	0.89	41.90	1.01	0.13	±5	2024/8/3	750	HSL	250	D750V3-1223	3295	1324	2.23	8.54	8.92	4.45	1.47	5.57	5.88	5.57
900	HSL	22.3	0.985	42.183	0.97	41.50	1.55	1.65	±5	2024/8/5	900	HSL	250	D900V2-14064	3295	1324	2.88	11.20	11.52	2.86	1.86	7.19	7.44	3.48
900	HSL	22.2	0.993	42.066	0.97	41.50	2.37	1.36	±5	2024/8/7	900	HSL	250	D900V2-14064	3295	1324	2.91	11.20	11.64	3.93	1.88	7.19	7.52	4.59
1800	HSL	22.1	1.424	40.731	1.40	40.00	1.71	1.83	±5	2024/8/8	1800	HSL	250	D1800V2-20198	3295	1324	10.24	39.20	40.96	4.49	5.28	20.10	21.12	5.07
1800	HSL	22.3	1.416	40.545	1.40	40.00	1.14	2.36	±5	2024/8/10	1800	HSL	250	D1800V2-20198	3295	1324	10.16	39.20	40.72	3.88	5.26	20.10	21	4.48
1800	HSL	22.3	1.413	40.967	1.40	40.00	0.93	2.42	±5	2024/8/11	1800	HSL	250	D1800V2-20198	3295	1324	10.17	39.20	40.68	3.76	5.23	20.10	20.92	4.08
2000	HSL	22.2	1.423	40.805	1.40	40.00	1.64	2.01	±5	2024/8/15	2000	HSL	250	D2000V2-1050	3295	1324	11.02	41.60	44.08	5.96	5.46	20.70	21.84	5.51
2300	HSL	22.3	1.697	40.711	1.67	39.50	1.62	3.07	±5	2024/8/15	2300	HSL	250	D2300V2-1107	3295	1324	12.43	48.40	49.72	2.73	6.01	23.00	24.04	4.52
2450	HSL	22.3	1.842	39.786	1.80	39.20	2.33	1.49	±5	2024/8/10	2450	HSL	250	D2450V2-805	3295	1324	13.38	52.30	53.52	2.33	6.16	23.90	24.64	3.10
2600	HSL	22.4	1.954	38.832	1.96	39.00	1.73	-0.43	±5	2024/9/4	2600	HSL	250	D2600V2-1198	3295	1324	14.54	57.00	58.16	2.04	6.57	25.70	26.28	2.26
2600	HSL	22.1	1.985	39.026	1.96	39.00	1.28	0.07	±5	2024/9/7	2600	HSL	250	D2600V2-1198	3295	1324	14.61	57.00	58.44	2.53	6.59	25.70	26.36	2.57
2600	HSL	22.2	1.988	39.014	1.96	39.00	1.43	0.04	±5	2024/9/8	2600	HSL	250	D2600V2-1198	3295	1324	14.63	57.00	58.52	2.67	6.63	25.70	26.52	3.19
2600	HSL	22.3	1.992	38.995	1.96	39.00	1.63	-0.01	±5	2024/9/9	2600	HSL	250	D2600V2-1198	3295	1324	14.66	57.00	58.76	3.09	6.65	25.70	26.6	3.50
2600	HSL	22.3	1.974	39.106	1.96	39.00	0.71	0.27	±5	2024/9/14	2600	HSL	250	D2600V2-1198	3295	1324	14.75	57.00	59	3.51	6.68	25.70	26.72	3.97
2600	HSL	22.2	1.971	39.117	1.96	39.00	0.56	0.30	±5	2024/9/15	2600	HSL	250	D2600V2-1198	3295	1324	14.81	57.00	59.24	3.93	6.67	25.70	26.68	3.81
2600	HSL	22.3	1.982	39.019	1.96	39.00	1.12	0.05	±5	2024/9/16	2600	HSL	250	D2600V2-1198	3295	1324	14.78	57.00	59.12	3.72	6.69	25.70	26.76	4.12
2600	HSL	22.1	1.977	39.064	1.96	39.00	0.87	0.16	±5	2024/9/17	2600	HSL	250	D2600V2-1198	3295	1324	14.83	57.00	59.32	4.07	6.72	25.70	26.88	4.59
3500	HSL	22.3	2.993	38.847	2.91	37.90	2.85	2.50	±5	2024/9/19	3500	HSL	100	D3500V2-1104	3974	1324	6.94	67.20	69.4	3.27	2.63	25.10	26.3	4.78
3500	HSL	22.1	2.986	38.805	2.91	37.90	2.61	2.39	±5	2024/9/24	3500	HSL	100	D3500V2-1104	3974	1324	7.01	67.20	70.1	4.32	2.65	25.10	26.5	5.56
3700	HSL	22.2	3.129	38.418	3.05	37.70	2.59	1.90	±5	2024/9/20	3700	HSL	100	D3700V2-1076	3974	1324	7.62	67.50	70.2	4.00	2.56	24.20	25.6	5.79
3700	HSL	22.3	3.072	38.492	3.05	37.70	0.72	2.10	±5	2024/9/27	3700	HSL	100	D3700V2-1076	3974	1324	7.65	67.50	70.5	4.44	2.57	24.20	25.7	6.23
3900	HSL	22.4	3.216	38.473	3.15	37.50	2.10	2.59	±5	2024/9/21	3900	HSL	100	D3900V2-1176	3974	1324	7.29	69.90	72.9	4.29	2.54	24.10	25.4	5.39
3900	HSL	22.2	3.224	38.414	3.15	37.50	2.35	2.44	±5	2024/9/28	3900	HSL	100	D3900V2-1176	3974	1324	7.27	69.90	72.7	4.01	2.52	24.10	25.2	4.56
5250	HSL	22.2	4.872	36.823	4.71	35.95	3.44	2.71	±5	2024/9/11	5250	HSL	100	D5050V2-1176-5250	3974	1324	7.86	76.70	78.6	2.48	2.31	22.10	23.1	4.52
5600	HSL	22.3	5.125	35.742	5.07	35.50	1.08	0.68	±5	2024/9/12	5600	HSL	100	D5050V2-1176-5600	3974	1324	8.29	80.80	82.9	2.60	2.43	23.30	24.3	4.29
5750	HSL	22.1	5.396	34.875	5.22	35.35	3.37	-1.34	±5	2024/9/13	5750	HSL	100	D5050V2-1176-5750	3974	1324	8.17	78.70	81.7	3.81	2.35	22.50	23.5	4.44



Body Tissue & System Verification for Simultaneous Transmission & CA/ENDC SISO

Tissue Verification										System Validation														
Frequency (Hz)	Tissue Type	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε)	Conductivity Target (σ)	Permittivity Target (ε)	Delta (σ) (%)	Delta (ε) (%)	Limit (%)	Date	Frequency (Hz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
750	HSL	22.2	0.891	41.853	0.89	41.90	0.11	-0.11	±5	2024/8/1	750	HSL	250	D750V3-1223	3295	1423	2.25	8.54	9	5.39	1.44	5.57	5.76	3.41
750	HSL	22.3	0.882	41.927	0.89	41.90	-0.90	0.06	±5	2024/8/4	750	HSL	250	D750V3-1223	3295	1423	2.21	8.54	8.84	3.51	1.39	5.57	5.56	-0.18
900	HSL	22.1	0.985	42.205	0.97	41.50	1.55	1.70	±5	2024/8/6	900	HSL	250	D900V2-14064	3295	1423	2.67	11.20	10.68	-4.64	1.85	7.19	7.4	2.92
900	HSL	22.3	0.991	42.136	0.97	41.50	2.16	1.53	±5	2024/8/9	900	HSL	250	D900V2-14064	3295	1423	2.81	11.20	11.24	0.36	1.91	7.19	7.64	6.26
1800	HSL	22.2	1.437	40.824	1.40	40.00	2.64	2.06	±5	2024/8/12	1800	HSL	250	D1800V2-20158	3295	1423	10.19	39.20	40.76	3.98	5.17	20.10	20.68	2.89
1800	HSL	22.1	1.422	40.911	1.40	40.00	1.57	2.28	±5	2024/8/13	1800	HSL	250	D1800V2-20158	3295	1423	10.21	39.20	40.84	4.18	5.22	20.10	20.88	3.88
1800	HSL	22.1	1.409	40.953	1.40	40.00	0.64	2.38	±5	2024/8/14	1800	HSL	250	D1800V2-20158	3295	1423	10.11	39.20	40.44	3.16	5.13	20.10	20.52	2.09
2000	HSL	22.2	1.415	40.892	1.40	40.00	1.07	2.23	±5	2024/8/16	2000	HSL	250	D2000V2-1050	3295	1423	11.14	41.60	44.56	7.12	5.27	20.70	21.08	1.84
2300	HSL	22.3	1.689	40.851	1.67	39.50	1.14	3.42	±5	2024/8/17	2300	HSL	250	D2300V2-1107	3295	1423	11.85	48.40	47.4	-2.07	5.91	23.00	23.64	2.78
2450	HSL	22.4	1.865	39.786	1.80	39.20	3.61	1.49	±5	2024/8/25	2450	HSL	250	D2450V2-805	3295	1423	13.29	52.30	53.16	1.64	6.21	23.90	24.84	3.93
2600	HSL	22.2	1.987	38.937	1.96	39.00	1.38	-0.16	±5	2024/8/18	2600	HSL	250	D2600V2-1198	3295	1423	14.38	57.00	57.52	0.91	6.25	25.70	25	-2.72
2600	HSL	22.4	1.992	39.122	1.96	39.00	1.63	0.31	±5	2024/8/20	2600	HSL	250	D2600V2-1198	3295	1423	14.47	57.00	57.88	1.54	6.41	25.70	25.64	-0.23
2600	HSL	22.2	1.986	39.752	1.96	39.00	1.33	1.93	±5	2024/8/21	2600	HSL	250	D2600V2-1198	3295	1423	14.55	57.00	58.2	2.11	6.57	25.70	26.28	2.26
2600	HSL	22.3	1.997	39.514	1.96	39.00	1.89	1.52	±5	2024/8/22	2600	HSL	250	D2600V2-1198	3295	1423	14.68	57.00	58.72	3.02	6.46	25.70	25.94	0.54
2600	HSL	22.2	1.990	39.241	1.96	39.00	-0.26	0.62	±5	2024/8/26	2600	HSL	250	D2600V2-1198	3295	1423	14.71	57.00	58.84	3.23	6.57	25.70	26.28	2.26
2600	HSL	22.4	1.962	39.228	1.96	39.00	0.10	0.58	±5	2024/8/27	2600	HSL	250	D2600V2-1198	3295	1423	14.82	57.00	58.48	2.60	6.42	25.70	25.69	-0.08
2600	HSL	22.4	1.983	39.215	1.96	39.00	1.17	0.55	±5	2024/8/28	2600	HSL	250	D2600V2-1198	3295	1423	14.99	57.00	58.36	2.39	6.71	25.70	26.84	4.44
2600	HSL	22.5	1.971	39.144	1.96	39.00	0.56	0.37	±5	2024/8/29	2600	HSL	250	D2600V2-1198	3295	1423	14.72	57.00	58.88	3.30	6.62	25.70	26.48	3.04
3500	HSL	22.5	2.985	38.716	2.91	37.90	2.58	2.15	±5	2024/9/10	3500	HSL	100	D3500V2-1104	3974	1423	6.89	67.20	68.9	2.53	2.54	25.10	25.4	1.20
3500	HSL	22.3	2.867	38.816	2.91	37.90	-1.48	2.42	±5	2024/9/16	3500	HSL	100	D3500V2-1104	3974	1423	7.05	67.20	70.5	4.91	2.52	25.10	25.2	0.40
3500	HSL	22.2	2.917	38.824	2.91	37.90	0.24	2.44	±5	2024/9/9	3500	HSL	100	D3500V2-1104	3974	1423	7.19	67.20	71.9	6.99	2.48	25.10	24.8	-1.20
3700	HSL	22.4	2.962	38.429	3.05	37.70	-2.23	1.93	±5	2024/9/14	3700	HSL	100	D3700V2-1076	3974	1423	7.05	67.50	70.5	4.44	2.47	24.20	24.7	2.07
3700	HSL	22.1	2.872	38.914	3.05	37.70	-5.84	3.22	±5	2024/9/17	3700	HSL	100	D3700V2-1076	3974	1423	6.98	67.50	69.8	3.41	2.46	24.20	24.6	1.65
3900	HSL	22.3	3.054	37.672	3.15	37.50	-3.05	0.46	±5	2024/9/15	3900	HSL	100	D3900V2-1176	3974	1423	7.11	69.90	71.1	1.72	2.34	24.10	23.4	-2.90
3900	HSL	22.1	3.014	38.832	3.15	37.50	-4.32	3.55	±5	2024/9/18	3900	HSL	100	D3900V2-1176	3974	1423	7.14	69.90	71.4	2.15	2.51	24.10	25.1	4.15
5250	HSL	22.4	4.862	36.787	4.71	35.95	3.23	2.33	±5	2024/9/25	5250	HSL	100	D5050V2-1176-5250	3974	1423	7.72	76.70	77.2	0.65	2.27	22.10	22.7	2.71
5600	HSL	22.3	5.163	35.821	5.07	35.50	1.83	0.90	±5	2024/9/26	5600	HSL	100	D5050V2-1176-5600	3974	1423	8.14	80.80	81.4	0.74	2.31	23.30	23.1	-0.86
5750	HSL	22.1	5.289	34.871	5.22	35.35	1.32	-1.36	±5	2024/9/29	5750	HSL	100	D5050V2-1176-5750	3974	1423	8.25	78.70	82.5	4.83	2.36	22.50	23.6	4.89



Head & Body Tissue & System Verification for CA/ENDC Simultaneous Transmission

Tissue Verification											System Validation													
Frequency (MHz)	Tissue Type	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε)	Conductivity Target (σ)	Permittivity Target (ε)	Delta (σ) (%)	Delta (ε) (%)	Limit (%)	Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
750	HSL	22.1	0.892	41.374	0.89	41.90	0.22	-1.26	±5	2024/9/10	750	HSL	250	D750V3-1202	7556	1632	2.09	8.52	8.36	-1.88	1.38	5.67	5.52	-2.65
750	HSL	22.1	0.914	42.223	0.90	41.50	1.56	1.74	±5	2024/9/11	750	HSL	250	D750V3-1202	7556	1632	2.06	8.52	8.24	-3.29	1.35	5.67	5.4	-4.76
750	HSL	22.1	0.890	41.567	0.88	41.90	0.00	-0.79	±5	2024/9/19	750	HSL	250	D750V3-1202	7556	1632	2.11	8.52	8.44	-0.94	1.39	5.67	5.56	-1.94
835	HSL	22.1	0.920	41.248	0.90	41.50	2.22	-0.61	±5	2024/9/4	835	HSL	250	D835V2-44251	7556	1632	2.39	9.64	9.56	-0.83	1.56	6.25	6.24	-0.16
835	HSL	22.1	0.932	42.780	0.90	41.50	3.56	3.08	±5	2024/9/5	835	HSL	250	D835V2-44251	7556	1632	2.44	9.64	9.76	1.24	1.60	6.25	6.4	2.40
835	HSL	22.1	0.927	41.483	0.90	41.50	3.00	-0.04	±5	2024/9/6	835	HSL	250	D835V2-44251	7556	1632	2.43	9.64	9.72	0.83	1.59	6.25	6.36	1.76
1750	HSL	22.1	1.341	40.733	1.37	40.10	-2.12	1.58	±5	2024/9/14	1750	HSL	250	D1750V2-1171	7556	1632	9.02	36.50	36.08	-1.15	4.82	19.20	19.28	0.42
1750	HSL	22.1	1.355	39.602	1.37	40.10	-1.09	-1.24	±5	2024/9/18	1750	HSL	250	D1750V2-1171	7556	1632	9.11	36.50	36.44	-0.16	4.89	19.20	19.56	1.89
1900	HSL	22.1	1.44	39.371	1.40	40.00	2.86	-1.57	±5	2024/9/12	1900	HSL	250	D1900V2-54235	7556	1632	10.10	40.50	40.4	-0.25	5.28	20.90	21.12	1.05
2300	HSL	22.1	1.667	38.721	1.67	39.50	-0.18	-1.97	±5	2024/9/13	2300	HSL	250	D2300V2-1112	7556	1632	12.00	48.90	48	-1.84	5.83	23.40	23.32	-0.34
2600	HSL	22.1	1.888	40.155	1.96	39.00	-3.16	2.96	±5	2024/9/20	2600	HSL	250	D2600V2-1175	7556	1632	13.90	55.80	55.6	-0.36	6.29	24.80	25.16	1.45
2600	HSL	22.1	1.930	38.273	1.96	39.00	-1.53	-1.86	±5	2024/9/21	2600	HSL	250	D2600V2-1175	7556	1632	13.60	55.80	54.4	-2.51	6.21	24.80	24.84	0.16
2600	HSL	22.1	1.898	39.317	1.96	39.00	-3.16	0.81	±5	2024/9/22	2600	HSL	250	D2600V2-1175	7556	1632	13.60	55.80	54.4	-2.51	6.17	24.80	24.68	-0.48
2600	HSL	22.1	1.924	38.327	1.96	39.00	-1.84	-1.73	±5	2024/9/23	2600	HSL	250	D2600V2-1175	7556	1632	13.40	55.80	55.6	-0.34	6.12	24.80	24.48	-1.29
2600	HSL	22.1	1.900	39.740	1.96	39.00	-3.06	1.90	±5	2024/9/24	2600	HSL	250	D2600V2-1175	7556	1632	13.50	55.80	54	-3.23	6.11	24.80	24.44	-1.45
3500	HSL	22.1	2.816	37.673	2.91	37.90	-3.23	-0.60	±5	2024/9/19	3500	HSL	100	D3500V2-1085	7453	1592	6.40	65.70	64	-2.59	2.44	24.70	24.8	-1.21
3500	HSL	22.1	2.811	37.477	2.91	37.90	-3.40	-1.12	±5	2024/9/20	3500	HSL	100	D3500V2-1085	7453	1592	6.51	65.70	65.1	-0.91	2.48	24.70	24.8	0.40
3500	HSL	22.1	2.897	38.038	2.91	37.90	-0.45	0.36	±5	2024/9/21	3500	HSL	100	D3500V2-1085	7453	1592	6.62	65.70	66.2	0.76	2.55	24.70	25.5	3.24
3500	HSL	22.1	2.837	39.381	2.91	37.90	-2.51	3.91	±5	2024/9/22	3500	HSL	100	D3500V2-1085	7453	1592	6.60	65.70	66	0.46	2.53	24.70	25.3	2.43
3500	HSL	22.1	2.899	39.054	2.91	37.90	-0.38	3.04	±5	2024/9/23	3500	HSL	100	D3500V2-1085	7453	1592	6.45	65.70	64.5	-1.83	2.49	24.70	24.9	0.81
3500	HSL	22.1	2.827	39.478	2.91	37.90	-2.85	4.16	±5	2024/9/24	3500	HSL	100	D3500V2-1085	7453	1592	6.56	65.70	65.6	-0.15	2.50	24.70	25	1.21
3700	HSL	22.1	2.995	38.710	3.12	37.70	-4.33	2.68	±5	2024/9/19	3700	HSL	100	D3700V2-1050	7453	1592	6.37	64.90	63.7	-1.85	2.37	23.80	23.7	-0.42
3700	HSL	22.1	2.996	39.267	3.12	37.70	-3.91	4.16	±5	2024/9/20	3700	HSL	100	D3700V2-1050	7453	1592	6.33	64.90	63.3	-2.47	2.35	23.80	23.8	-1.26
3700	HSL	22.1	3.012	38.796	3.12	37.70	-3.46	2.91	±5	2024/9/21	3700	HSL	100	D3700V2-1050	7453	1592	6.50	64.90	65	0.15	2.42	23.80	24.2	1.68
3700	HSL	22.1	3.009	37.422	3.12	37.70	-3.56	-0.74	±5	2024/9/22	3700	HSL	100	D3700V2-1050	7453	1592	6.67	64.90	66.7	2.77	2.48	23.80	24.8	4.20
3700	HSL	22.1	2.995	39.233	3.12	37.70	-4.01	4.07	±5	2024/9/23	3700	HSL	100	D3700V2-1050	7453	1592	6.53	64.90	65.3	0.62	2.43	23.80	24.3	2.10
3700	HSL	22.1	3.106	37.810	3.12	37.70	-0.45	0.29	±5	2024/9/24	3700	HSL	100	D3700V2-1050	7453	1592	6.74	64.90	67.4	3.85	2.52	23.80	25.2	5.88