

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n41	DFT-QPSK100M	Rear Face	1	518598	135	69	DSI2	Ant7	1	100	21.00	20.30	0.09	0.243	1.000	1.175	0.29
	n41	DFT-QPSK100M	Right Side	1	518598	135	69	DSI2	Ant7	1	100	21.00	20.30	-0.09	0.275	1.000	1.175	0.32
	n41	DFT-QPSK100M	Top Side	1	518598	135	69	DSI2	Ant7	1	100	21.00	20.30	-0.03	0.094	1.000	1.175	0.11
	n48	DFT-QPSK100M	Front Face	1	640000	1	137	DSI4	Ant2	1	100	23.50	22.55	0.18	0.361	1.000	1.245	0.45
	n48	DFT-QPSK100M	Rear Face	1	640000	1	137	DSI4	Ant2	1	100	23.50	22.55	0.13	0.227	1.000	1.245	0.28
	n48	DFT-QPSK100M	Left Side	1	640000	1	137	DSI4	Ant2	1	100	23.50	22.55	0.03	0.332	1.000	1.245	0.41
	n48	DFT-QPSK100M	Top Side	1	640000	1	137	DSI2	Ant2	1	100	23.50	22.55	0.14	0.175	1.000	1.245	0.22
	n48	DFT-QPSK100M	Front Face	1	640000	135	69	DSI4	Ant2	1	100	23.50	22.68	0.14	0.353	1.000	1.208	0.43
	n48	DFT-QPSK100M	Rear Face	1	640000	135	69	DSI4	Ant2	1	100	23.50	22.68	0.09	0.257	1.000	1.208	0.31
	n48	DFT-QPSK100M	Left Side	1	640000	135	69	DSI4	Ant2	1	100	23.50	22.68	0.06	0.332	1.000	1.208	0.40
	n48	DFT-QPSK100M	Top Side	1	640000	135	69	DSI2	Ant2	1	100	23.50	22.68	-0.05	0.190	1.000	1.208	0.23
	n48	DFT-QPSK100M	Front Face	1	643332	1	137	DSI4	Ant3	1	100	18.50	17.79	-0.18	0.208	1.000	1.178	0.24
	n48	DFT-QPSK100M	Rear Face	1	643332	1	137	DSI4	Ant3	1	100	18.50	17.79	-0.15	0.316	1.000	1.178	0.37
	n48	DFT-QPSK100M	Left Side	1	643332	1	137	DSI4	Ant3	1	100	18.50	17.79	0.18	0.630	1.000	1.178	0.74
	n48	DFT-QPSK100M	Top Side	1	643332	1	137	DSI2	Ant3	1	100	20.00	19.26	0.04	0.086	1.000	1.186	0.10
	n48	DFT-QPSK100M	Front Face	1	643332	135	69	DSI4	Ant3	1	100	18.50	17.84	0.19	0.212	1.000	1.164	0.25
	n48	DFT-QPSK100M	Rear Face	1	643332	135	69	DSI4	Ant3	1	100	18.50	17.84	-0.06	0.332	1.000	1.164	0.39
	n48	DFT-QPSK100M	Left Side	1	643332	135	69	DSI4	Ant3	1	100	18.50	17.84	0.14	0.617	1.000	1.164	0.72
	n48	DFT-QPSK100M	Top Side	1	643332	135	69	DSI2	Ant3	1	100	20.00	19.26	-0.10	0.075	1.000	1.186	0.09
	n48	DFT-QPSK100M	Front Face	2	643332	1	137	DSI2	Ant3	1	100	20.00	19.26	-0.16	0.107	1.000	1.186	0.13
	n48	DFT-QPSK100M	Rear Face	2	643332	1	137	DSI2	Ant3	1	100	20.00	19.26	-0.12	0.145	1.000	1.186	0.17
	n48	DFT-QPSK100M	Left Side	1.5	643332	1	137	DSI2	Ant3	1	100	20.00	19.26	-0.15	0.509	1.000	1.186	0.60
	n48	DFT-QPSK100M	Front Face	2	643332	135	69	DSI2	Ant3	1	100	20.00	19.26	0.01	0.111	1.000	1.186	0.13
	n48	DFT-QPSK100M	Rear Face	2	643332	135	69	DSI2	Ant3	1	100	20.00	19.26	0.18	0.152	1.000	1.186	0.18
	n48	DFT-QPSK100M	Left Side	1.5	643332	135	69	DSI2	Ant3	1	100	20.00	19.26	0.19	0.526	1.000	1.186	0.62
	n48	DFT-QPSK100M	Front Face	1	640000	1	137	DSI4	Ant5	1	100	20.00	18.92	0.09	0.259	1.000	1.282	0.33
	n48	DFT-QPSK100M	Rear Face	1	640000	1	137	DSI4	Ant5	1	100	20.00	18.92	-0.08	0.484	1.000	1.282	0.62
	n48	DFT-QPSK100M	Left Side	1	640000	1	137	DSI2	Ant5	1	100	24.00	23.04	0.12	0.400	1.000	1.247	0.50
	n48	DFT-QPSK100M	Right Side	1	640000	1	137	DSI2	Ant5	1	100	24.00	23.04	-0.11	0.205	1.000	1.247	0.26
	n48	DFT-QPSK100M	Top Side	1	640000	1	137	DSI4	Ant5	1	100	20.00	18.92	0.07	0.545	1.000	1.282	0.70
	n48	DFT-QPSK100M	Front Face	1	640000	135	69	DSI4	Ant5	1	100	20.00	19.05	0.18	0.265	1.000	1.245	0.33
	n48	DFT-QPSK100M	Rear Face	1	640000	135	69	DSI4	Ant5	1	100	20.00	19.05	0.10	0.388	1.000	1.245	0.48
	n48	DFT-QPSK100M	Left Side	1	640000	135	69	DSI2	Ant5	1	100	24.00	23.18	0.05	0.395	1.000	1.208	0.48
	n48	DFT-QPSK100M	Right Side	1	640000	135	69	DSI2	Ant5	1	100	24.00	23.18	-0.17	0.191	1.000	1.208	0.23
	n48	DFT-QPSK100M	Top Side	1	640000	135	69	DSI4	Ant5	1	100	20.00	19.05	-0.13	0.593	1.000	1.245	0.74
	n48	DFT-QPSK100M	Front Face	2	640000	1	137	DSI2	Ant5	1	100	24.00	23.04	0.14	0.267	1.000	1.247	0.33
	n48	DFT-QPSK100M	Rear Face	2	640000	1	137	DSI2	Ant5	1	100	24.00	23.04	-0.05	0.350	1.000	1.247	0.44
	n48	DFT-QPSK100M	Top Side	2	640000	1	137	DSI2	Ant5	1	100	24.00	23.04	-0.16	0.570	1.000	1.247	0.71
	n48	DFT-QPSK100M	Front Face	2	640000	135	69	DSI2	Ant5	1	100	24.00	23.18	-0.17	0.254	1.000	1.208	0.31
	n48	DFT-QPSK100M	Rear Face	2	640000	135	69	DSI2	Ant5	1	100	24.00	23.18	-0.04	0.389	1.000	1.208	0.47
	n48	DFT-QPSK100M	Top Side	2	640000	135	69	DSI2	Ant5	1	100	24.00	23.18	0.05	0.578	1.000	1.208	0.70
	n48	DFT-QPSK100M	Front Face	1	640000	1	137	DSI2	Ant7	1	100	18.50	17.10	0.05	0.118	1.000	1.380	0.16
	n48	DFT-QPSK100M	Rear Face	1	640000	1	137	DSI2	Ant7	1	100	18.50	17.10	-0.01	0.544	1.000	1.380	0.75
	n48	DFT-QPSK100M	Right Side	1	640000	1	137	DSI2	Ant7	1	100	18.50	17.10	-0.13	0.401	1.000	1.380	0.55
	n48	DFT-QPSK100M	Top Side	1	640000	1	137	DSI2	Ant7	1	100	18.50	17.10	0.09	0.115	1.000	1.380	0.16
	n48	DFT-QPSK100M	Front Face	1	640000	135	69	DSI2	Ant7	1	100	18.50	17.25	0.12	0.123	1.000	1.334	0.16
	n48	DFT-QPSK100M	Rear Face	1	640000	135	69	DSI2	Ant7	1	100	18.50	17.25	-0.15	0.580	1.000	1.334	0.77
	n48	DFT-QPSK100M	Right Side	1	640000	135	69	DSI2	Ant7	1	100	18.50	17.25	-0.05	0.459	1.000	1.334	0.61
	n48	DFT-QPSK100M	Top Side	1	640000	135	69	DSI2	Ant7	1	100	18.50	17.25	0.15	0.129	1.000	1.334	0.17
	n48	DFT-QPSK100M	Rear Face	1	641666	1	137	DSI2	Ant7	1	100	18.50	17.05	-0.12	0.705	1.000	1.396	0.98
P80	n48	DFT-QPSK100M	Rear Face	1	643332	1	137	DSI2	Ant7	1	100	18.50	17.01	0.03	0.764	1.000	1.409	1.08
	n48	DFT-QPSK100M	Rear Face	1	640000	270	0	DSI2	Ant7	1	100	18.50	17.20	-0.14	0.589	1.000	1.349	0.79
	n66	DFT-QPSK40M	Front Face	1	349000	1	107	DSI3/4	Ant1	1	-	20.00	18.86	0.16	0.282	1.000	1.300	0.37
	n66	DFT-QPSK40M	Rear Face	1	349000	1	107	DSI3/4	Ant1	1	-	20.00	18.86	-0.02	0.396	1.000	1.300	0.51
	n66	DFT-QPSK40M	Left Side	1	349000	1	107	DSI2	Ant1	1	-	25.50	24.18	0.00	0.000	1.000	1.355	0.00
	n66	DFT-QPSK40M	Right Side	1	349000	1	107	DSI2	Ant1	1	-	25.50	24.18	0.12	0.132	1.000	1.355	0.18
P81	n66	DFT-QPSK40M	Bottom Side	1	349000	1	107	DSI3/4	Ant1	1	-	20.00	18.86	0.02	0.713	1.000	1.300	0.93
	n66	DFT-QPSK40M	Front Face	1	349000	108	54	DSI3/4	Ant1	1	-	20.00	18.91	0.12	0.281	1.000	1.285	0.36
	n66	DFT-QPSK40M	Rear Face	1	349000</													

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n66	DFT-QPSK40M	Top Side	1	349000	1	107	DSI4	Ant4	1	-	23.00	22.19	0.08	0.721	1.000	1.205	0.87
	n66	DFT-QPSK40M	Front Face	1	349000	108	54	DSI4	Ant4	1	-	23.00	22.38	0.13	0.367	1.000	1.153	0.42
	n66	DFT-QPSK40M	Rear Face	1	349000	108	54	DSI4	Ant4	1	-	23.00	22.38	-0.10	0.563	1.000	1.153	0.65
	n66	DFT-QPSK40M	Left Side	1	349000	108	54	DSI2	Ant4	1	-	25.00	24.18	0.13	0.200	1.000	1.208	0.24
	n66	DFT-QPSK40M	Right Side	1	349000	108	54	DSI2	Ant4	1	-	25.00	24.18	-0.03	0.112	1.000	1.208	0.14
	n66	DFT-QPSK40M	Top Side	1	349000	108	54	DSI4	Ant4	1	-	23.00	22.38	0.08	0.679	1.000	1.153	0.78
	n66	DFT-QPSK40M	Top Side	1	346000	1	107	DSI4	Ant4	1	-	23.00	22.04	-0.16	0.695	1.000	1.247	0.87
	n66	DFT-QPSK40M	Top Side	1	352000	1	107	DSI4	Ant4	1	-	23.00	22.12	-0.03	0.687	1.000	1.225	0.84
	n66	DFT-QPSK40M	Top Side	1	346000	108	54	DSI4	Ant4	1	-	23.00	22.31	0.09	0.653	1.000	1.172	0.77
	n66	DFT-QPSK40M	Top Side	1	352000	108	54	DSI4	Ant4	1	-	23.00	22.17	-0.20	0.642	1.000	1.211	0.78
	n66	DFT-QPSK40M	Top Side	1	352000	216	0	DSI4	Ant4	1	-	23.00	22.04	0.00	0.682	1.000	1.247	0.85
	n66	DFT-QPSK40M	Front Face	2	349000	1	107	DSI2	Ant4	1	-	25.00	23.94	0.03	0.158	1.000	1.276	0.20
	n66	DFT-QPSK40M	Rear Face	2	349000	1	107	DSI2	Ant4	1	-	25.00	23.94	-0.11	0.208	1.000	1.276	0.27
	n66	DFT-QPSK40M	Top Side	2	349000	1	107	DSI2	Ant4	1	-	25.00	23.94	0.16	0.300	1.000	1.276	0.38
	n66	DFT-QPSK40M	Front Face	2	349000	108	54	DSI2	Ant4	1	-	25.00	24.18	0.14	0.161	1.000	1.208	0.19
	n66	DFT-QPSK40M	Rear Face	2	349000	108	54	DSI2	Ant4	1	-	25.00	24.18	0.07	0.216	1.000	1.208	0.26
	n66	DFT-QPSK40M	Top Side	2	349000	108	54	DSI2	Ant4	1	-	25.00	24.18	0.03	0.304	1.000	1.208	0.37
	n66 (ENDC Only)	DFT-QPSK40M	Front Face	1	349000	1	107	DSI4	Ant4	1	-	20.00	19.05	-0.01	0.198	1.000	1.245	0.25
	n66 (ENDC Only)	DFT-QPSK40M	Rear Face	1	349000	1	107	DSI4	Ant4	1	-	20.00	19.05	0.06	0.240	1.000	1.245	0.30
	n66 (ENDC Only)	DFT-QPSK40M	Top Side	1	349000	1	107	DSI4	Ant4	1	-	20.00	19.05	-0.11	0.306	1.000	1.245	0.38
	n66 (ENDC Only)	DFT-QPSK40M	Front Face	1	349000	108	54	DSI4	Ant4	1	-	20.00	19.07	-0.14	0.184	1.000	1.239	0.23
	n66 (ENDC Only)	DFT-QPSK40M	Rear Face	1	349000	108	54	DSI4	Ant4	1	-	20.00	19.07	-0.19	0.305	1.000	1.239	0.38
	n66 (ENDC Only)	DFT-QPSK40M	Top Side	1	349000	108	54	DSI4	Ant4	1	-	20.00	19.07	0.14	0.329	1.000	1.239	0.41
	n77	DFT-QPSK100M	Front Face	1	633334	1	137	DSI4	Ant2	1	100	22.00	20.75	-0.05	0.286	1.000	1.334	0.38
	n77	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI4	Ant2	1	100	22.00	20.75	0.15	0.231	1.000	1.334	0.31
	n77	DFT-QPSK100M	Left Side	1	633334	1	137	DSI4	Ant2	1	100	22.00	20.75	0.06	0.181	1.000	1.334	0.24
	n77	DFT-QPSK100M	Top Side	1	633334	1	137	DSI2	Ant2	1	100	25.00	24.26	0.20	0.211	1.000	1.186	0.25
	n77	DFT-QPSK100M	Front Face	1	633334	135	69	DSI4	Ant2	1	100	22.00	20.89	0.16	0.286	1.000	1.291	0.37
	n77	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI4	Ant2	1	100	22.00	20.89	-0.17	0.230	1.000	1.291	0.30
	n77	DFT-QPSK100M	Left Side	1	633334	135	69	DSI4	Ant2	1	100	22.00	20.89	0.13	0.266	1.000	1.291	0.34
	n77	DFT-QPSK100M	Top Side	1	633334	135	69	DSI2	Ant2	1	100	25.00	24.32	0.05	0.230	1.000	1.169	0.27
	n77	DFT-QPSK100M	Front Face	2	633334	1	137	DSI2	Ant2	1	100	25.00	24.26	0.14	0.132	1.000	1.186	0.16
	n77	DFT-QPSK100M	Rear Face	2	633334	1	137	DSI2	Ant2	1	100	25.00	24.26	-0.06	0.120	1.000	1.186	0.14
	n77	DFT-QPSK100M	Left Side	1.5	633334	1	137	DSI2	Ant2	1	100	25.00	24.26	-0.16	0.249	1.000	1.186	0.30
	n77	DFT-QPSK100M	Front Face	2	633334	135	69	DSI2	Ant2	1	100	25.00	24.32	-0.01	0.141	1.000	1.169	0.16
	n77	DFT-QPSK100M	Rear Face	2	633334	135	69	DSI2	Ant2	1	100	25.00	24.32	-0.05	0.132	1.000	1.169	0.15
	n77	DFT-QPSK100M	Left Side	1.5	633334	135	69	DSI2	Ant2	1	100	25.00	24.32	-0.03	0.172	1.000	1.169	0.20
	n77	DFT-QPSK100M	Front Face	1	650000	1	137	DSI4	Ant2	1	100	22.00	20.97	0.07	0.194	1.000	1.294	0.25
	n77	DFT-QPSK100M	Rear Face	1	650000	1	137	DSI4	Ant2	1	100	22.00	20.97	0.16	0.234	1.000	1.294	0.30
	n77	DFT-QPSK100M	Left Side	1	650000	1	137	DSI4	Ant2	1	100	22.00	20.97	-0.04	0.279	1.000	1.294	0.36
	n77	DFT-QPSK100M	Top Side	1	650000	1	137	DSI2	Ant2	1	100	25.00	23.88	0.09	0.062	1.000	1.294	0.08
	n77	DFT-QPSK100M	Front Face	1	650000	135	69	DSI4	Ant2	1	100	22.00	21.06	0.18	0.207	1.000	1.268	0.26
	n77	DFT-QPSK100M	Rear Face	1	650000	135	69	DSI4	Ant2	1	100	22.00	21.06	0.16	0.218	1.000	1.268	0.28
	n77	DFT-QPSK100M	Left Side	1	650000	135	69	DSI4	Ant2	1	100	22.00	21.06	-0.13	0.316	1.000	1.268	0.40
	n77	DFT-QPSK100M	Top Side	1	650000	135	69	DSI2	Ant2	1	100	25.00	23.97	-0.06	0.140	1.000	1.268	0.18
	n77	DFT-QPSK100M	Front Face	2	650000	1	137	DSI2	Ant2	1	100	25.00	23.88	-0.12	0.091	1.000	1.294	0.12
	n77	DFT-QPSK100M	Rear Face	2	650000	1	137	DSI2	Ant2	1	100	25.00	23.88	0.09	0.074	1.000	1.294	0.10
	n77	DFT-QPSK100M	Left Side	2	650000	1	137	DSI2	Ant2	1	100	25.00	23.88	0.13	0.128	1.000	1.294	0.17
	n77	DFT-QPSK100M	Front Face	2	650000	135	69	DSI2	Ant2	1	100	25.00	23.97	0.10	0.101	1.000	1.268	0.13
	n77	DFT-QPSK100M	Rear Face	2	650000	135	69	DSI2	Ant2	1	100	25.00	23.97	-0.07	0.073	1.000	1.268	0.09
	n77	DFT-QPSK100M	Left Side	2	650000	135	69	DSI2	Ant2	1	100	25.00	23.97	-0.15	0.135	1.000	1.268	0.17
	n77	DFT-QPSK100M	Front Face	1	633334	1	137	DSI4	Ant3	1	100	20.00	18.98	0.04	0.169	1.000	1.265	0.21
	n77	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI4	Ant3	1	100	20.00	18.98	0.19	0.288	1.000	1.265	0.36
	n77	DFT-QPSK100M	Left Side	1	633334	1	137	DSI4	Ant3	1	100	20.00	18.98	-0.09	0.507	1.000	1.265	0.64
	n77	DFT-QPSK100M	Top Side	1	633334	1	137	DSI2	Ant3	1	100	20.50	19.73	-0.17	0.062	1.000	1.194	0.07
	n77	DFT-QPSK100M	Front Face	1	633334	135	69	DSI4	Ant3	1	100	20.00	19.10	-0.10	0.179	1.000	1.230	0.22
	n77	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI4	Ant3	1	100	20.00	19.10	0.18	0.299	1.000	1.230	0.37
	n77	DFT-QPSK100M	Left Side	1	633334	135	69	DSI4	Ant3	1	100	20.00	19.10	0.14	0.530	1.000	1.230	0.65
	n77	DFT-QPSK100M	Top Side	1	633334	135	69	DSI2	Ant3	1	100	20.50	19.87	-0.05	0.057	1.000	1.156	0.07
	n77	DFT-QPSK100M	Front Face	2	633334	1	137	DSI2	Ant3	1	100	20.50	19.73	0.19	0.117	1.000	1.194	0.14
	n77	DFT-QPSK100M	Rear Face	2	633334	1	137	DSI2	Ant3	1	100	20.50	19.73	-0.02	0.199	1.000	1.194	0.24
	n77	DFT-QPSK100M	Left Side	1.5	633334	1	137	DSI2	Ant3	1	100	20.50	19.73	0.06	0.323	1.000	1.194	0.39
	n77	DFT-QPSK100M	Front Face	2	633334	135	69	DSI2	Ant3	1	100	20.50	19.87	0.14	0.117	1.000	1.156	0.14
	n77	DFT-QPSK100M	Rear Face	2	633334	135	69	DSI2	Ant3	1	100	20.50	19.87	0.12	0.200	1.000	1.156	0.23
	n77	DFT-QPSK100M	Left Side	1.5	633334	135	69	DSI2	Ant3	1	100	20.50	19.87	-0.12	0.271	1.000	1.156	0.31
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	1	137	DSI4	Ant3	1	100	16.50	15.46	0.09	0.081	1.000	1.271	0.10
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI4	Ant3	1	100	16.50	15.46	0.15	0.134	1.000	1.271	0.17
	n77	DFT-QPSK100M	Left Side	1	633334	1	137	DSI4	Ant3	1	100	16.50	15.46	0.07	0.257	1.000	1.271	0.33

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	(ENDC Only)																	
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	135	69	DSI4	Ant3	1	100	16.50	15.59	0.05	0.083	1.000	1.233	0.10
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI4	Ant3	1	100	16.50	15.59	0.16	0.127	1.000	1.233	0.16
	n77 (ENDC Only)	DFT-QPSK100M	Left Side	1	633334	135	69	DSI4	Ant3	1	100	16.50	15.59	-0.09	0.273	1.000	1.233	0.34
	n77	DFT-QPSK100M	Front Face	1	662000	1	137	DSI4	Ant3	1	100	20.00	19.15	-0.07	0.208	1.000	1.216	0.25
	n77	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI4	Ant3	1	100	20.00	19.15	-0.02	0.312	1.000	1.216	0.38
	n77	DFT-QPSK100M	Left Side	1	662000	1	137	DSI4	Ant3	1	100	20.00	19.15	0.15	0.578	1.000	1.216	0.70
	n77	DFT-QPSK100M	Top Side	1	662000	1	137	DSI2	Ant3	1	100	20.50	19.92	-0.07	0.075	1.000	1.143	0.09
	n77	DFT-QPSK100M	Front Face	1	662000	135	69	DSI4	Ant3	1	100	20.00	19.29	-0.02	0.221	1.000	1.178	0.26
	n77	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI4	Ant3	1	100	20.00	19.29	-0.19	0.315	1.000	1.178	0.37
	n77	DFT-QPSK100M	Left Side	1	662000	135	69	DSI4	Ant3	1	100	20.00	19.29	0.04	0.652	1.000	1.178	0.77
	n77	DFT-QPSK100M	Top Side	1	662000	135	69	DSI2	Ant3	1	100	20.50	19.95	0.19	0.085	1.000	1.135	0.10
	n77	DFT-QPSK100M	Front Face	2	662000	1	137	DSI2	Ant3	1	100	20.50	19.92	-0.17	0.170	1.000	1.143	0.19
	n77	DFT-QPSK100M	Rear Face	2	662000	1	137	DSI2	Ant3	1	100	20.50	19.92	0.06	0.242	1.000	1.143	0.28
	n77	DFT-QPSK100M	Left Side	1.5	662000	1	137	DSI2	Ant3	1	100	20.50	19.92	-0.15	0.407	1.000	1.143	0.47
	n77	DFT-QPSK100M	Front Face	2	662000	135	69	DSI2	Ant3	1	100	20.50	19.95	-0.12	0.171	1.000	1.135	0.19
	n77	DFT-QPSK100M	Rear Face	2	662000	135	69	DSI2	Ant3	1	100	20.50	19.95	0.14	0.240	1.000	1.135	0.27
	n77	DFT-QPSK100M	Left Side	1.5	662000	135	69	DSI2	Ant3	1	100	20.50	19.95	-0.20	0.410	1.000	1.135	0.47
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	1	137	DSI4	Ant3	1	100	16.50	15.59	0.03	0.104	1.000	1.233	0.13
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI4	Ant3	1	100	16.50	15.59	-0.14	0.155	1.000	1.233	0.19
	n77 (ENDC Only)	DFT-QPSK100M	Left Side	1	662000	1	137	DSI4	Ant3	1	100	16.50	15.59	0.03	0.347	1.000	1.233	0.43
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	135	69	DSI4	Ant3	1	100	16.50	15.72	-0.19	0.099	1.000	1.197	0.12
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI4	Ant3	1	100	16.50	15.72	0.08	0.121	1.000	1.197	0.14
	n77 (ENDC Only)	DFT-QPSK100M	Left Side	1	662000	135	69	DSI4	Ant3	1	100	16.50	15.72	-0.04	0.369	1.000	1.197	0.44
	n77	DFT-QPSK100M	Front Face	1	633334	1	137	DSI4	Ant5	1	100	20.00	18.99	0.16	0.337	1.000	1.262	0.43
	n77	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI4	Ant5	1	100	20.00	18.99	-0.19	0.493	1.000	1.262	0.62
	n77	DFT-QPSK100M	Left Side	1	633334	1	137	DSI2	Ant5	1	100	24.50	23.23	0.11	0.298	1.000	1.340	0.40
	n77	DFT-QPSK100M	Right Side	1	633334	1	137	DSI2	Ant5	1	100	24.50	23.23	0.09	0.249	1.000	1.340	0.33
	n77	DFT-QPSK100M	Top Side	1	633334	1	137	DSI4	Ant5	1	100	20.00	18.99	0.14	0.671	1.000	1.262	0.85
	n77	DFT-QPSK100M	Front Face	1	633334	135	69	DSI4	Ant5	1	100	20.00	19.17	0.02	0.325	1.000	1.211	0.39
	n77	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI4	Ant5	1	100	20.00	19.17	-0.04	0.507	1.000	1.211	0.61
	n77	DFT-QPSK100M	Left Side	1	633334	135	69	DSI2	Ant5	1	100	24.50	23.31	-0.05	0.284	1.000	1.315	0.37
	n77	DFT-QPSK100M	Right Side	1	633334	135	69	DSI2	Ant5	1	100	24.50	23.31	-0.09	0.241	1.000	1.315	0.32
	n77	DFT-QPSK100M	Top Side	1	633334	135	69	DSI4	Ant5	1	100	20.00	19.17	0.02	0.693	1.000	1.211	0.84
	n77	DFT-QPSK100M	Top Side	1	633334	270	0	DSI4	Ant5	1	100	20.00	18.87	0.10	0.651	1.000	1.297	0.84
	n77	DFT-QPSK100M	Front Face	2	633334	1	137	DSI2	Ant5	1	100	24.50	23.23	-0.06	0.404	1.000	1.340	0.54
	n77	DFT-QPSK100M	Rear Face	2	633334	1	137	DSI2	Ant5	1	100	24.50	23.23	0.01	0.636	1.000	1.340	0.85
	n77	DFT-QPSK100M	Top Side	2	633334	1	137	DSI2	Ant5	1	100	24.50	23.23	0.01	0.639	1.000	1.340	0.86
	n77	DFT-QPSK100M	Front Face	2	633334	135	69	DSI2	Ant5	1	100	24.50	23.31	-0.03	0.431	1.000	1.315	0.57
	n77	DFT-QPSK100M	Rear Face	2	633334	135	69	DSI2	Ant5	1	100	24.50	23.31	0.08	0.587	1.000	1.315	0.77
	n77	DFT-QPSK100M	Top Side	2	633334	135	69	DSI2	Ant5	1	100	24.50	23.31	-0.14	0.627	1.000	1.315	0.82
	n77	DFT-QPSK100M	Top Side	2	633334	270	0	DSI2	Ant5	1	100	24.50	23.06	-0.05	0.611	1.000	1.393	0.85
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	1	137	DSI4	Ant5	1	100	17.50	16.45	-0.06	0.183	1.000	1.274	0.23
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI4	Ant5	1	100	17.50	16.45	-0.02	0.276	1.000	1.274	0.35
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	633334	1	137	DSI4	Ant5	1	100	17.50	16.45	0.13	0.383	1.000	1.274	0.49
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	135	69	DSI4	Ant5	1	100	17.50	16.56	-0.15	0.187	1.000	1.242	0.23
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI4	Ant5	1	100	17.50	16.56	0.16	0.302	1.000	1.242	0.37
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	633334	135	69	DSI4	Ant5	1	100	17.50	16.56	0.08	0.399	1.000	1.242	0.50
	n77	DFT-QPSK100M	Front Face	1	662000	1	137	DSI4	Ant5	1	100	20.00	18.92	0.08	0.219	1.000	1.282	0.28
	n77	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI4	Ant5	1	100	20.00	18.92	-0.01	0.314	1.000	1.282	0.40
	n77	DFT-QPSK100M	Left Side	1	662000	1	137	DSI2	Ant5	1	100	24.50	23.13	-0.12	0.300	1.000	1.371	0.41
	n77	DFT-QPSK100M	Right Side	1	662000	1	137	DSI2	Ant5	1	100	24.50	23.13	0.18	0.167	1.000	1.371	0.23
	n77	DFT-QPSK100M	Top Side	1	662000	1	137	DSI4	Ant5	1	100	20.00	18.92	-0.07	0.466	1.000	1.282	0.60
	n77	DFT-QPSK100M	Front Face	1	662000	135	69	DSI4	Ant5	1	100	20.00	19.02	0.02	0.209	1.000	1.253	0.26
	n77	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI4	Ant5	1	100	20.00	19.02	-0.15	0.305	1.000	1.253	0.38
	n77	DFT-QPSK100M	Left Side	1	662000	135	69	DSI2	Ant5	1	100	24.50	23.17	-0.17	0.307	1.000	1.358	0.42
	n77	DFT-QPSK100M	Right Side	1	662000	135	69	DSI2	Ant5	1	100	24.50	23.17	0.03	0.150	1.000	1.358	0.20
	n77	DFT-QPSK100M	Top Side	1	662000	135	69	DSI4	Ant5	1	100	20.00	19.02	-0.17	0.477	1.000	1.253	0.60
	n77	DFT-QPSK100M	Front Face	2	662000	1	137	DSI2	Ant5	1	100	24.50	23.13	0.03	0.217	1.000	1.371	0.30
	n77	DFT-QPSK100M	Rear Face	2	662000	1	137	DSI2	Ant5	1	100	24.50	23.13	-0.08	0.358	1.000	1.371	0.49
	n77	DFT-QPSK100M	Top Side	2	662000	1	137	DSI2	Ant5	1	100	24.50	23.13	-0.17	0.501	1.000	1.371	0.69



FCC SAR Test Report



Certificate #6613.01

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n77	DFT-QPSK100M	Front Face	2	662000	135	69	DSI2	Ant5	1	100	24.50	23.17	-0.16	0.236	1.000	1.358	0.32
	n77	DFT-QPSK100M	Rear Face	2	662000	135	69	DSI2	Ant5	1	100	24.50	23.17	0.11	0.352	1.000	1.358	0.48
	n77	DFT-QPSK100M	Top Side	2	662000	135	69	DSI2	Ant5	1	100	24.50	23.17	0.16	0.480	1.000	1.358	0.65
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	1	137	DSI4	Ant5	1	100	17.50	16.45	-0.09	0.112	1.000	1.274	0.14
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI4	Ant5	1	100	17.50	16.45	-0.14	0.181	1.000	1.274	0.23
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	662000	1	137	DSI4	Ant5	1	100	17.50	16.45	-0.10	0.264	1.000	1.274	0.34
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	135	69	DSI4	Ant5	1	100	17.50	16.61	0.11	0.121	1.000	1.227	0.15
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI4	Ant5	1	100	17.50	16.61	0.03	0.189	1.000	1.227	0.23
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	662000	135	69	DSI4	Ant5	1	100	17.50	16.61	0.18	0.293	1.000	1.227	0.36
	n77 PC2	DFT-QPSK100M	Front Face	1	633334	1	137	DSI4	Ant5	1	50	21.50	20.67	0.05	0.266	1.000	1.211	0.32
	n77 PC2	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI4	Ant5	1	50	21.50	20.67	-0.15	0.434	1.000	1.211	0.53
	n77 PC2	DFT-QPSK100M	Left Side	1	633334	1	137	DSI2	Ant5	1	50	26.00	25.31	-0.16	0.254	1.000	1.172	0.30
	n77 PC2	DFT-QPSK100M	Right Side	1	633334	1	137	DSI2	Ant5	1	50	26.00	25.31	-0.18	0.224	1.000	1.172	0.26
	n77 PC2	DFT-QPSK100M	Top Side	1	633334	1	137	DSI4	Ant5	1	50	21.50	20.67	0.06	0.559	1.000	1.211	0.68
	n77 PC2	DFT-QPSK100M	Front Face	1	633334	135	69	DSI4	Ant5	1	50	21.50	20.91	-0.13	0.270	1.000	1.146	0.31
	n77 PC2	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI4	Ant5	1	50	21.50	20.91	-0.04	0.422	1.000	1.146	0.48
	n77 PC2	DFT-QPSK100M	Left Side	1	633334	135	69	DSI2	Ant5	1	50	26.00	25.46	0.07	0.256	1.000	1.132	0.29
	n77 PC2	DFT-QPSK100M	Right Side	1	633334	135	69	DSI2	Ant5	1	50	26.00	25.46	0.13	0.232	1.000	1.132	0.26
	n77 PC2	DFT-QPSK100M	Top Side	1	633334	135	69	DSI4	Ant5	1	50	21.50	20.91	0.08	0.582	1.000	1.146	0.67
	n77 PC2	DFT-QPSK100M	Front Face	2	633334	1	137	DSI2	Ant5	1	50	26.00	25.31	0.01	0.305	1.000	1.172	0.36
	n77 PC2	DFT-QPSK100M	Rear Face	2	633334	1	137	DSI2	Ant5	1	50	26.00	25.31	-0.16	0.519	1.000	1.172	0.61
	n77 PC2	DFT-QPSK100M	Top Side	2	633334	1	137	DSI2	Ant5	1	50	26.00	25.31	0.05	0.565	1.000	1.172	0.66
	n77 PC2	DFT-QPSK100M	Front Face	2	633334	135	69	DSI2	Ant5	1	50	26.00	25.46	-0.02	0.327	1.000	1.132	0.37
	n77 PC2	DFT-QPSK100M	Rear Face	2	633334	135	69	DSI2	Ant5	1	50	26.00	25.46	0.05	0.532	1.000	1.132	0.60
	n77 PC2	DFT-QPSK100M	Top Side	2	633334	135	69	DSI2	Ant5	1	50	26.00	25.46	-0.06	0.582	1.000	1.132	0.66
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	1	137	DSI4	Ant5	1	50	19.00	18.13	-0.12	0.149	1.000	1.222	0.18
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI4	Ant5	1	50	19.00	18.13	-0.01	0.244	1.000	1.222	0.30
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Top Side	1	633334	1	137	DSI4	Ant5	1	50	19.00	18.13	-0.09	0.317	1.000	1.222	0.39
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	135	69	DSI4	Ant5	1	50	19.00	18.32	0.15	0.156	1.000	1.169	0.18
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI4	Ant5	1	50	19.00	18.32	0.19	0.232	1.000	1.169	0.27
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Top Side	1	633334	135	69	DSI4	Ant5	1	50	19.00	18.32	-0.18	0.341	1.000	1.169	0.40
	n77 PC2	DFT-QPSK100M	Front Face	1	662000	1	137	DSI4	Ant5	1	50	21.50	20.76	-0.11	0.162	1.000	1.186	0.19
	n77 PC2	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI4	Ant5	1	50	21.50	20.76	-0.07	0.235	1.000	1.186	0.28
	n77 PC2	DFT-QPSK100M	Left Side	1	662000	1	137	DSI2	Ant5	1	50	26.00	25.45	-0.17	0.295	1.000	1.135	0.33
	n77 PC2	DFT-QPSK100M	Right Side	1	662000	1	137	DSI2	Ant5	1	50	26.00	25.45	-0.10	0.126	1.000	1.135	0.14
	n77 PC2	DFT-QPSK100M	Top Side	1	662000	1	137	DSI4	Ant5	1	50	21.50	20.76	0.08	0.370	1.000	1.186	0.44
	n77 PC2	DFT-QPSK100M	Front Face	1	662000	135	69	DSI4	Ant5	1	50	21.50	20.93	-0.10	0.170	1.000	1.140	0.19
	n77 PC2	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI4	Ant5	1	50	21.50	20.93	-0.08	0.258	1.000	1.140	0.29
	n77 PC2	DFT-QPSK100M	Left Side	1	662000	135	69	DSI2	Ant5	1	50	26.00	25.54	0.09	0.294	1.000	1.112	0.33
	n77 PC2	DFT-QPSK100M	Right Side	1	662000	135	69	DSI2	Ant5	1	50	26.00	25.54	-0.07	0.119	1.000	1.112	0.13
	n77 PC2	DFT-QPSK100M	Top Side	1	662000	135	69	DSI4	Ant5	1	50	21.50	20.93	0.15	0.365	1.000	1.140	0.42
	n77 PC2	DFT-QPSK100M	Front Face	2	662000	1	137	DSI2	Ant5	1	50	26.00	25.45	-0.02	0.184	1.000	1.135	0.21
	n77 PC2	DFT-QPSK100M	Rear Face	2	662000	1	137	DSI2	Ant5	1	50	26.00	25.45	0.16	0.279	1.000	1.135	0.32
	n77 PC2	DFT-QPSK100M	Top Side	2	662000	1	137	DSI2	Ant5	1	50	26.00	25.45	-0.13	0.415	1.000	1.135	0.47
	n77 PC2	DFT-QPSK100M	Front Face	2	662000	135	69	DSI2	Ant5	1	50	26.00	25.54	0.10	0.187	1.000	1.112	0.21
	n77 PC2	DFT-QPSK100M	Rear Face	2	662000	135	69	DSI2	Ant5	1	50	26.00	25.54	0.03	0.289	1.000	1.112	0.32
	n77 PC2	DFT-QPSK100M	Top Side	2	662000	135	69	DSI2	Ant5	1	50	26.00	25.54	0.05	0.413	1.000	1.112	0.46
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	1	137	DSI4	Ant5	1	50	19.00	18.26	0.04	0.094	1.000	1.186	0.11
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI4	Ant5	1	50	19.00	18.26	0.16	0.150	1.000	1.186	0.18
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Top Side	1	662000	1	137	DSI4	Ant5	1	50	19.00	18.26	-0.14	0.205	1.000	1.186	0.24
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	135	69	DSI4	Ant5	1	50	19.00	18.43	-0.04	0.096	1.000	1.140	0.11
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI4	Ant5	1	50	19.00	18.43	0.15	0.144	1.000	1.140	0.16
	n77 PC2 (ENDC Only)	DFT-QPSK100M	Top Side	1	662000	135	69	DSI4	Ant5	1	50	19.00	18.43	-0.02	0.236	1.000	1.140	0.27
	n77	DFT-QPSK100M	Front Face	1	633334	1	137	DSI2	Ant7	1	100	20.50	19.78	0.02	0.088	1.000	1.180	0.10
	n77	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI2	Ant7	1	100	20.50	19.78	0.14	0.286	1.000	1.180	0.34
	n77	DFT-QPSK100M	Right Side	1	633334	1	137	DSI2	Ant7	1	100	20.50	19.78	-0.02	0.272	1.000	1.180	0.32
	n77	DFT-QPSK100M	Top Side	1	633334	1	137	DSI2	Ant7	1	100	20.50	19.78	0.19	0.119	1.000	1.180	0.14
	n77	DFT-QPSK100M	Front Face	1	633334	135	69	DSI2	Ant7	1	100	20.50	19.90	-0.11	0.083	1.000	1.148	0.10
	n77	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI2	Ant7	1	100	20.50	19.90	0.17	0.321	1.000	1.148	0.37

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n77	DFT-QPSK100M	Right Side	1	633334	135	69	DSI2	Ant7	1	100	20.50	19.90	-0.10	0.300	1.000	1.148	0.34
	n77	DFT-QPSK100M	Top Side	1	633334	135	69	DSI2	Ant7	1	100	20.50	19.90	-0.06	0.113	1.000	1.148	0.13
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	1	137	DSI2	Ant7	1	100	18.50	17.53	-0.02	0.063	1.000	1.250	0.08
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	1	137	DSI2	Ant7	1	100	18.50	17.53	0.12	0.179	1.000	1.250	0.22
	n77 (ENDC Only)	DFT-QPSK100M	Right Side	1	633334	1	137	DSI2	Ant7	1	100	18.50	17.53	-0.10	0.172	1.000	1.250	0.22
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	633334	1	137	DSI2	Ant7	1	100	18.50	17.53	0.03	0.071	1.000	1.250	0.09
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	633334	135	69	DSI2	Ant7	1	100	18.50	17.78	-0.06	0.052	1.000	1.180	0.06
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	633334	135	69	DSI2	Ant7	1	100	18.50	17.78	0.08	0.200	1.000	1.180	0.24
	n77 (ENDC Only)	DFT-QPSK100M	Right Side	1	633334	135	69	DSI2	Ant7	1	100	18.50	17.78	0.02	0.185	1.000	1.180	0.22
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	633334	135	69	DSI2	Ant7	1	100	18.50	17.78	0.08	0.077	1.000	1.180	0.09
	n77	DFT-QPSK100M	Front Face	1	662000	1	137	DSI2	Ant7	1	100	20.50	19.65	-0.06	0.164	1.000	1.216	0.20
	n77	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI2	Ant7	1	100	20.50	19.65	0.13	0.774	1.000	1.216	0.94
	n77	DFT-QPSK100M	Right Side	1	662000	1	137	DSI2	Ant7	1	100	20.50	19.65	-0.19	0.471	1.000	1.216	0.57
	n77	DFT-QPSK100M	Top Side	1	662000	1	137	DSI2	Ant7	1	100	20.50	19.65	-0.01	0.224	1.000	1.216	0.27
	n77	DFT-QPSK100M	Front Face	1	662000	135	69	DSI2	Ant7	1	100	20.50	19.97	0.05	0.150	1.000	1.130	0.17
P82	n77	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI2	Ant7	1	100	20.50	19.97	-0.01	0.855	1.000	1.130	0.97
	n77	DFT-QPSK100M	Right Side	1	662000	135	69	DSI2	Ant7	1	100	20.50	19.97	-0.14	0.423	1.000	1.130	0.48
	n77	DFT-QPSK100M	Top Side	1	662000	135	69	DSI2	Ant7	1	100	20.50	19.97	0.12	0.206	1.000	1.130	0.23
	n77	DFT-QPSK100M	Rear Face	1	650000	1	137	DSI2	Ant7	1	100	20.50	19.56	0.08	0.546	1.000	1.242	0.68
	n77	DFT-QPSK100M	Rear Face	1	656000	1	137	DSI2	Ant7	1	100	20.50	19.63	0.01	0.499	1.000	1.222	0.61
	n77	DFT-QPSK100M	Rear Face	1	650000	135	69	DSI2	Ant7	1	100	20.50	19.80	-0.01	0.553	1.000	1.175	0.65
	n77	DFT-QPSK100M	Rear Face	1	656000	135	69	DSI2	Ant7	1	100	20.50	19.65	0.17	0.507	1.000	1.216	0.62
	n77	DFT-QPSK100M	Rear Face	1	662000	270	0	DSI2	Ant7	1	100	20.50	19.68	0.13	0.712	1.000	1.208	0.86
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	1	137	DSI2	Ant7	1	100	18.50	17.78	-0.16	0.084	1.000	1.180	0.10
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	1	137	DSI2	Ant7	1	100	18.50	17.78	0.04	0.579	1.000	1.180	0.68
	n77 (ENDC Only)	DFT-QPSK100M	Right Side	1	662000	1	137	DSI2	Ant7	1	100	18.50	17.78	0.12	0.236	1.000	1.180	0.28
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	662000	1	137	DSI2	Ant7	1	100	18.50	17.78	-0.20	0.130	1.000	1.180	0.15
	n77 (ENDC Only)	DFT-QPSK100M	Front Face	1	662000	135	69	DSI2	Ant7	1	100	18.50	17.99	0.10	0.096	1.000	1.125	0.11
	n77 (ENDC Only)	DFT-QPSK100M	Rear Face	1	662000	135	69	DSI2	Ant7	1	100	18.50	17.99	-0.04	0.603	1.000	1.125	0.68
	n77 (ENDC Only)	DFT-QPSK100M	Right Side	1	662000	135	69	DSI2	Ant7	1	100	18.50	17.99	0.19	0.292	1.000	1.125	0.33
	n77 (ENDC Only)	DFT-QPSK100M	Top Side	1	662000	135	69	DSI2	Ant7	1	100	18.50	17.99	-0.16	0.129	1.000	1.125	0.15
	WLAN2.4G	802.11b	Front Face	1	6	-	-	DSI2	Ant6	1	100	18.50	16.81	0.15	0.130	1.000	1.476	0.19
	WLAN2.4G	802.11b	Rear Face	1	6	-	-	DSI2	Ant6	1	100	18.50	16.81	-0.06	0.157	1.000	1.476	0.23
	WLAN2.4G	802.11b	Left Side	1	6	-	-	DSI2	Ant6	1	100	18.50	16.81	-0.03	0.032	1.000	1.476	0.05
	WLAN2.4G	802.11b	Right Side	1	6	-	-	DSI2	Ant6	1	100	18.50	16.81	0.07	0.070	1.000	1.476	0.10
P83	WLAN2.4G	802.11b	Top Side	1	6	-	-	DSI2	Ant6	1	100	18.50	16.81	0.04	0.188	1.000	1.476	0.28
P84	WLAN5G	802.11a	Front Face	1	48	-	-	DSI2	Ant6	1	97.45	15.50	14.29	-0.09	0.127	1.026	1.321	0.17
	WLAN5G	802.11a	Rear Face	1	48	-	-	DSI2	Ant6	1	97.45	15.50	14.29	-0.05	0.051	1.026	1.321	0.07
	WLAN5G	802.11a	Left Side	1	48	-	-	DSI2	Ant6	1	97.45	15.50	14.29	0.08	0.074	1.026	1.321	0.10
	WLAN5G	802.11a	Right Side	1	48	-	-	DSI2	Ant6	1	97.45	15.50	14.29	-0.14	0.103	1.026	1.321	0.14
	WLAN5G	802.11a	Top Side	1	48	-	-	DSI2	Ant6	1	97.45	15.50	14.29	-0.17	0.085	1.026	1.321	0.12
	WLAN5G	802.11n-HT20	Front Face	1	149	-	-	DSI2	Ant6	1	97.3	16.00	14.44	-0.11	0.136	1.028	1.432	0.20
	WLAN5G	802.11n-HT20	Rear Face	1	149	-	-	DSI2	Ant6	1	97.3	16.00	14.44	-0.09	0.160	1.028	1.432	0.24
	WLAN5G	802.11n-HT20	Left Side	1	149	-	-	DSI2	Ant6	1	97.3	16.00	14.44	0.12	0.076	1.028	1.432	0.11
	WLAN5G	802.11n-HT20	Right Side	1	149	-	-	DSI2	Ant6	1	97.3	16.00	14.44	-0.10	0.139	1.028	1.432	0.20
P85	WLAN5G	802.11n-HT20	Top Side	1	149	-	-	DSI2	Ant6	1	97.3	16.00	14.44	0.02	0.224	1.028	1.432	0.33
	WLAN5G	802.11n-HT20	Top Side	1	149	-	-	DSI2	Ant6	2	97.3	16.00	14.44	-0.20	0.204	1.028	1.432	0.30
	WLAN5G	802.11n-HT20	Top Side	1	149	-	-	DSI2	Ant6	3	97.3	16.00	14.44	-0.16	0.189	1.028	1.432	0.28
	BT	GFSK	Front Face	1	39	-	-	DSI2	Ant6	1	76.67	12.00	10.15	0.00	0.000	1.304	1.531	0.00
	BT	GFSK	Rear Face	1	39	-	-	DSI2	Ant6	1	76.67	12.00	10.15	0.06	0.022	1.304	1.531	0.04
	BT	GFSK	Left Side	1	39	-	-	DSI2	Ant6	1	76.67	12.00	10.15	0.00	0.000	1.304	1.531	0.00
	BT	GFSK	Right Side	1	39	-	-	DSI2	Ant6	1	76.67	12.00	10.15	0.00	0.000	1.304	1.531	0.00
P86	BT	GFSK	Top Side	1	39	-	-	DSI2	Ant6	1	76.67	12.00	10.15	0.15	0.029	1.304	1.531	0.06

4.6.5 SAR Results for Extremity Exposure Condition (Separation Distance is 0 cm Gap)

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (Db)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
P87	GSM1900	GPRS 3Tx Slot	Bottom Side	0	810	-	-	DSI3/4	Ant1	1	-	25.00	24.32	0.02	1.680	1.000	1.169	1.96
	WCDMA II	RMC12.2K	Rear Face	0	9400	-	-	DSI3/4	Ant1	1	-	20.50	19.17	0.12	0.935	1.000	1.358	1.27
	WCDMA II	RMC12.2K	Bottom Side	0	9400	-	-	DSI3/4	Ant1	1	-	20.50	19.17	0.12	1.090	1.000	1.358	1.48
	WCDMA II	RMC12.2K	Front Face	0	9400	-	-	DSI4	Ant4	1	-	20.50	19.20	0.19	1.210	1.000	1.349	1.63
	WCDMA II	RMC12.2K	Rear Face	0	9400	-	-	DSI4	Ant4	1	-	20.50	19.20	0.14	1.160	1.000	1.349	1.56
	WCDMA II	RMC12.2K	Top Side	0	9400	-	-	DSI4	Ant4	1	-	20.50	19.20	-0.06	1.590	1.000	1.349	2.14
P88	WCDMA II	RMC12.2K	Top Side	0	9262	-	-	DSI4	Ant4	1	-	20.50	19.17	0.04	1.800	1.000	1.358	2.44
	WCDMA II	RMC12.2K	Top Side	0	9538	-	-	DSI4	Ant4	1	-	20.50	19.18	0.09	1.390	1.000	1.355	1.88
	WCDMA IV	RMC12.2K	Front Face	0	1413	-	-	DSI3/4	Ant1	1	-	20.00	19.06	0.03	1.100	1.000	1.242	1.37
	WCDMA IV	RMC12.2K	Rear Face	0	1413	-	-	DSI3/4	Ant1	1	-	20.00	19.06	0.16	1.270	1.000	1.242	1.58
	WCDMA IV	RMC12.2K	Bottom Side	0	1413	-	-	DSI3/4	Ant1	1	-	20.00	19.06	-0.19	1.410	1.000	1.242	1.75
P89	WCDMA IV	RMC12.2K	Bottom Side	0	1312	-	-	DSI3/4	Ant1	1	-	20.00	18.79	-0.09	1.430	1.000	1.321	1.89
	WCDMA IV	RMC12.2K	Bottom Side	0	1513	-	-	DSI3/4	Ant1	1	-	20.00	18.95	0.05	1.460	1.000	1.274	1.86
	LTE 2	QPSK20M	Rear Face	0	18900	1	50	DSI3/4	Ant1	1	-	19.50	18.96	0.12	0.930	1.000	1.132	1.05
	LTE 2	QPSK20M	Bottom Side	0	18900	1	50	DSI3/4	Ant1	1	-	19.50	18.96	0.14	1.090	1.000	1.132	1.23
	LTE 2	QPSK20M	Rear Face	0	18900	50	25	DSI3/4	Ant1	1	-	19.50	18.85	0.12	0.942	1.000	1.161	1.09
	LTE 2	QPSK20M	Bottom Side	0	18900	50	25	DSI3/4	Ant1	1	-	19.50	18.85	0.05	1.100	1.000	1.161	1.28
	LTE 2	QPSK20M	Front Face	0	18900	1	50	DSI4	Ant4	1	-	18.50	17.28	0.16	0.949	1.000	1.324	1.26
	LTE 2	QPSK20M	Rear Face	0	18900	1	50	DSI4	Ant4	1	-	18.50	17.28	-0.07	0.734	1.000	1.324	0.97
	LTE 2	QPSK20M	Top Side	0	18900	1	50	DSI4	Ant4	1	-	18.50	17.28	0.12	1.270	1.000	1.324	1.68
	LTE 2	QPSK20M	Front Face	0	18900	50	0	DSI4	Ant4	1	-	18.50	17.18	-0.05	0.959	1.000	1.355	1.30
	LTE 2	QPSK20M	Rear Face	0	18900	50	0	DSI4	Ant4	1	-	18.50	17.18	0.02	0.779	1.000	1.355	1.06
P90	LTE 2	QPSK20M	Top Side	0	18900	50	0	DSI4	Ant4	1	-	18.50	17.18	0.05	1.330	1.000	1.355	1.80
	LTE 7	QPSK20M	Bottom Side	0	21100	1	50	DSI3/4	Ant1	1	-	23.50	22.65	-0.17	1.680	1.000	1.216	2.04
	LTE 7	QPSK20M	Bottom Side	0	21100	50	25	DSI3/4	Ant1	1	-	23.50	22.54	0.16	1.690	1.000	1.247	2.11
	LTE 7	QPSK20M	Bottom Side	0	20850	1	50	DSI3/4	Ant1	1	-	23.50	22.58	-0.10	1.700	1.000	1.236	2.10
	LTE 7	QPSK20M	Bottom Side	0	21350	1	50	DSI3/4	Ant1	1	-	23.50	22.42	-0.09	1.630	1.000	1.282	2.09
	LTE 7	QPSK20M	Bottom Side	0	20850	50	25	DSI3/4	Ant1	1	-	23.50	22.42	0.08	1.740	1.000	1.282	2.23
	LTE 7	QPSK20M	Bottom Side	0	21350	50	25	DSI3/4	Ant1	1	-	23.50	22.36	-0.11	1.640	1.000	1.300	2.13
	LTE 7	QPSK20M	Bottom Side	0	21100	100	0	DSI3/4	Ant1	1	-	23.50	22.52	-0.02	1.610	1.000	1.253	2.02
	LTE 7C	QPSK20M	Bottom Side	0	PCC:21001 SCC:21199	PCC:1 SCC:1	PCC:99 SCC:0	DSI3/4	Ant1	1	-	23.50	22.89	-0.15	1.580	1.000	1.151	1.82
	LTE 7	QPSK20M	Rear Face	0	20850	1	50	DSI4	Ant4	1	-	19.00	17.99	0.20	0.868	1.000	1.262	1.10
	LTE 7	QPSK20M	Top Side	0	20850	1	50	DSI4	Ant4	1	-	19.00	17.99	0.19	1.690	1.000	1.262	2.13
	LTE 7	QPSK20M	Rear Face	0	20850	50	25	DSI4	Ant4	1	-	19.00	17.80	0.15	0.830	1.000	1.318	1.09
	LTE 7	QPSK20M	Top Side	0	20850	50	25	DSI4	Ant4	1	-	19.00	17.80	-0.05	1.810	1.000	1.318	2.39
	LTE 7	QPSK20M	Top Side	0	21100	1	50	DSI3/4	Ant4	1	-	19.00	17.90	-0.12	1.840	1.000	1.288	2.37
	LTE 7	QPSK20M	Top Side	0	21350	1	50	DSI3/4	Ant4	1	-	19.00	17.87	0.14	1.810	1.000	1.297	2.35
P91	LTE 7	QPSK20M	Top Side	0	21100	50	25	DSI3/4	Ant4	1	-	19.00	17.75	-0.03	1.850	1.000	1.334	2.47
	LTE 7	QPSK20M	Top Side	0	21350	50	25	DSI3/4	Ant4	1	-	19.00	17.69	0.16	1.780	1.000	1.352	2.41
	LTE 7	QPSK20M	Top Side	0	20850	100	0	DSI3/4	Ant4	1	-	19.00	17.77	-0.14	1.770	1.000	1.327	2.35
	LTE 7C	QPSK20M	Top Side	0	PCC:21001 SCC:21199	PCC:1 SCC:1	PCC:99 SCC:0	DSI3/4	Ant4	1	-	19.00	17.97	-0.13	1.750	1.000	1.268	2.22
	LTE 7	QPSK20M	Left Side	1	20850	1	50	DSI4	Ant3	1	-	16.00	14.61	-0.10	0.909	1.000	1.377	1.25
	LTE 7	QPSK20M	Left Side	1	20850	50	25	DSI4	Ant3	1	-	16.00	14.41	0.08	0.947	1.000	1.442	1.37
	LTE 38	QPSK20M	Top Side	0	38000	1	0	DSI4	Ant4	1	62.9	21.50	20.18	0.02	0.985	1.006	1.355	1.34
	LTE 38	QPSK20M	Top Side	0	38000	50	0	DSI4	Ant4	1	62.9	21.50	20.17	-0.19	1.020	1.006	1.358	1.39
	LTE 38C	QPSK20M	Top Side	0	PCC:37901 SCC:38099	PCC:1 SCC:1	PCC:99 SCC:0	DSI4	Ant4	1	62.9	21.50	19.85	0.16	0.940	1.006	1.462	1.38
P92	LTE 38	QPSK20M	Left Side	0	38000	1	0	DSI4	Ant3	1	-	20.00	18.52	0.01	1.270	1.000	1.406	1.79
	LTE 38	QPSK20M	Left Side	0	38000	50	0	DSI4	Ant3	1	-	20.00	18.58	0.09	1.190	1.000	1.387	1.65
	LTE 41	QPSK20M	Rear Face	0	39750	1	0	DSI4	Ant4	1	62.9	22.00	20.59	0.08	0.686	1.006	1.384	0.96
	LTE 41	QPSK20M	Top Side	0	39750	1	0	DSI4	Ant4	1	62.9	22.00	20.59	-0.15	1.390	1.006	1.384	1.94
	LTE 41	QPSK20M	Rear Face	0	39750	50	0	DSI4	Ant4	1	62.9	22.00	20.46	-0.12	0.680	1.006	1.426	0.98
P93	LTE 41	QPSK20M	Top Side	0	39750	50	0	DSI4	Ant4	1	62.9	22.00	20.46	0.03	1.410	1.006	1.426	2.02
	LTE 41	QPSK20M	Top Side	0	40185	50	0	DSI4	Ant4	1	62.9	22.00	20.37	0.12	1.320	1.006	1.455	1.93
	LTE 41	QPSK20M	Top Side	0	40620	50	0	DSI4	Ant4	1	62.9	22.00	20.42	0.11	1.270	1.006	1.439	1.84
	LTE 41	QPSK20M	Top Side	0	41055	50	0	DSI4	Ant4	1	62.9	22.00	20.36	-0.15	1.320	1.006	1.459	1.94
	LTE 41	QPSK20M	Top Side	0	41490	50	0	DSI4	Ant4	1	62.9	22.00	20.23	0.15	1.210	1.006	1.503	1.83
	LTE 41	QPSK20M	Top Side	0	39750	100	0	DSI4	Ant4	1	62.9	22.00	20.39	-0.11	1.290	1.006	1.449	1.88
	LTE 42	QPSK20M	Top Side	0	42990	1	50	DSI4	Ant5	1	62.9	22.00	21.19	-0.15	1.830	1.006	1.205	2.22
	LTE 42	QPSK20M	Top Side	0	42990	50	0	DSI4	Ant5	1	62.9	22.00	20.89	-0.08	1.910	1.006	1.291	2.48
	LTE 42	QPSK20M	Top Side	0	42190	1	50	DSI4	Ant5	1	62.9	22.00	21.09	0.07	1.900	1.006	1.233	2.36
	LTE 42	QPSK20M	Top Side	0	42590	1	50	DSI4	Ant5	1	62.9	22.00	21.06	-0.08	1.920	1.006	1.242	2.40
	LTE 42	QPSK20M	Top Side	0	42190	50	0	DSI4	Ant5	1	62.9	22.00	20.79	-0.09	1.870	1.006	1.321	2.49
P94	LTE 42	QPSK20M	Top Side	0	42590	50	0	DSI4	Ant5	1	62.9	22.00	20.88	0.06	1.960	1.006	1.294	2.55
	LTE 42	QPSK20M	Top Side	0	42990	100	0	DSI4	Ant5	1	62.9	22.00	20.85	0.15	1.880	1.006	1.303	2.47
	LTE 48	QPSK20M	Top Side	0	55340	1	50	DSI4	Ant5	1	62.9	22.00	21.25	-0.19	1.530	1.006	1.189	1.83
P95	LTE 48	QPSK20M	Top Side	0	55340	50	0	DSI4	Ant5	1	62.9	22.00	20.97	0.03	1.520	1.006	1.268	1.94
	LTE 48	QPSK20M	Top Side	0	55830	1	50	DSI4	Ant5	1	62.9	22.00	21.12	-0.17	1.490	1.006	1.225	1.84
	LTE 48	QPSK20M	Top Side	0	56150	1	50	DSI4	Ant5	1	62.9	22.00	21.09	-0.09	1.480	1.006	1.233	1.84
	LTE 48	QPSK20M	Top Side	0	56640	1	50	DSI4	Ant5	1	62.9	22.00	21.22	-0.16	1.470	1.006	1.197	1.77

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (Db)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
	LTE 48	QPSK20M	Top Side	0	55830	50	0	DSI4	Ant5	1	62.9	22.00	20.75	0.15	1.440	1.006	1.334	1.93
	LTE 48	QPSK20M	Top Side	0	56150	50	0	DSI4	Ant5	1	62.9	22.00	20.80	0.10	1.450	1.006	1.318	1.92
	LTE 48	QPSK20M	Top Side	0	56640	50	0	DSI4	Ant5	1	62.9	22.00	20.79	0.07	1.450	1.006	1.321	1.93
	LTE 48	QPSK20M	Top Side	0	55340	100	0	DSI4	Ant5	1	62.9	22.00	20.82	-0.04	1.460	1.006	1.312	1.93
	LTE 66	QPSK20M	Front Face	0	132322	1	50	DSI3/4	Ant1	1	-	19.00	17.98	0.16	0.806	1.000	1.265	1.02
	LTE 66	QPSK20M	Rear Face	0	132322	1	50	DSI3/4	Ant1	1	-	19.00	17.98	0.07	0.807	1.000	1.265	1.02
	LTE 66	QPSK20M	Bottom Side	0	132322	1	50	DSI3/4	Ant1	1	-	19.00	17.98	0.13	1.220	1.000	1.265	1.54
	LTE 66	QPSK20M	Front Face	0	132322	50	25	DSI3/4	Ant1	1	-	19.00	17.88	-0.11	0.816	1.000	1.294	1.06
	LTE 66	QPSK20M	Rear Face	0	132322	50	25	DSI3/4	Ant1	1	-	19.00	17.88	0.02	0.810	1.000	1.294	1.05
	LTE 66	QPSK20M	Bottom Side	0	132322	50	25	DSI3/4	Ant1	1	-	19.00	17.88	0.06	1.400	1.000	1.294	1.81
	LTE 66	QPSK20M	Rear Face	0	132072	1	50	DSI4	Ant4	1	-	21.50	20.38	0.08	0.960	1.000	1.294	1.24
	LTE 66	QPSK20M	Top Side	0	132072	1	50	DSI4	Ant4	1	-	21.50	20.38	0.11	1.690	1.000	1.294	2.19
	LTE 66	QPSK20M	Rear Face	0	132072	50	25	DSI4	Ant4	1	-	21.50	20.17	-0.02	0.980	1.000	1.358	1.33
	LTE 66	QPSK20M	Top Side	0	132072	50	25	DSI4	Ant4	1	-	21.50	20.17	0.07	1.540	1.000	1.358	2.09
	LTE 66	QPSK20M	Top Side	0	132322	1	50	DSI3/4	Ant4	1	-	21.50	20.29	-0.06	1.490	1.000	1.297	1.93
	LTE 66	QPSK20M	Top Side	0	132572	1	50	DSI3/4	Ant4	1	-	21.50	20.32	-0.06	1.460	1.000	1.312	1.92
	LTE 66	QPSK20M	Top Side	0	132322	50	25	DSI3/4	Ant4	1	-	21.50	20.14	0.14	1.580	1.000	1.330	2.10
	LTE 66	QPSK20M	Top Side	0	132572	50	25	DSI3/4	Ant4	1	-	21.50	20.12	-0.19	1.540	1.000	1.355	2.09
P96	LTE 66	QPSK20M	Top Side	0	132072	100	0	DSI3/4	Ant4	1	-	21.50	20.13	0.09	1.750	1.000	1.291	2.26
	n2	DFT-QPSK20M	Front Face	0	376000	1	53	DSI3/4	Ant1	1	-	19.00	18.25	0.08	0.850	1.000	1.189	1.01
	n2	DFT-QPSK20M	Rear Face	0	376000	1	53	DSI3/4	Ant1	1	-	19.00	18.25	0.09	0.885	1.000	1.189	1.05
	n2	DFT-QPSK20M	Bottom Side	0	376000	1	53	DSI3/4	Ant1	1	-	19.00	18.25	0.06	1.000	1.000	1.189	1.19
	n2	DFT-QPSK20M	Front Face	0	376000	50	28	DSI3/4	Ant1	1	-	19.00	18.31	-0.17	0.877	1.000	1.172	1.03
	n2	DFT-QPSK20M	Rear Face	0	376000	50	28	DSI3/4	Ant1	1	-	19.00	18.31	-0.13	0.920	1.000	1.172	1.08
	n2	DFT-QPSK20M	Bottom Side	0	376000	50	28	DSI3/4	Ant1	1	-	19.00	18.31	-0.14	1.030	1.000	1.172	1.21
	n2	DFT-QPSK20M	Front Face	0	376000	1	53	DSI4	Ant4	1	-	19.50	18.78	-0.19	1.220	1.000	1.180	1.44
	n2	DFT-QPSK20M	Rear Face	0	376000	1	53	DSI4	Ant4	1	-	19.50	18.78	0.07	0.968	1.000	1.180	1.14
	n2	DFT-QPSK20M	Top Side	0	376000	1	53	DSI4	Ant4	1	-	19.50	18.85	-0.19	1.630	1.000	1.161	1.89
	n2	DFT-QPSK20M	Front Face	0	376000	50	28	DSI4	Ant4	1	-	19.50	18.85	-0.14	1.340	1.000	1.161	1.56
	n2	DFT-QPSK20M	Rear Face	0	376000	50	28	DSI4	Ant4	1	-	19.50	18.85	0.10	1.220	1.000	1.161	1.42
	n2	DFT-QPSK20M	Top Side	0	376000	50	28	DSI4	Ant4	1	-	19.50	18.85	-0.12	1.730	1.000	1.161	2.01
P97	n2	DFT-QPSK20M	Top Side	0	372000	50	28	DSI4	Ant4	1	-	19.50	18.79	0.04	1.910	1.000	1.178	2.25
	n2	DFT-QPSK20M	Top Side	0	380000	50	28	DSI4	Ant4	1	-	19.50	18.71	0.17	1.590	1.000	1.199	1.91
	n2	DFT-QPSK20M	Top Side	0	376000	100	0	DSI4	Ant4	1	-	19.50	18.70	0.17	1.750	1.000	1.202	2.10
	n7	DFT-QPSK50M	Rear Face	0	505000	1	135	DSI4	Ant4	1	-	19.50	18.74	0.04	0.697	1.000	1.191	0.83
	n7	DFT-QPSK50M	Top Side	0	505000	1	135	DSI4	Ant4	1	-	19.50	18.74	-0.08	1.760	1.000	1.191	2.10
	n7	DFT-QPSK50M	Rear Face	0	505000	135	68	DSI4	Ant4	1	-	19.50	18.85	0.16	0.680	1.000	1.161	0.79
	n7	DFT-QPSK50M	Top Side	0	505000	135	68	DSI4	Ant4	1	-	19.50	18.85	-0.02	1.840	1.000	1.161	2.14
P98	n7	DFT-QPSK50M	Top Side	0	507000	1	135	DSI4	Ant4	1	-	19.50	18.69	0.02	1.910	1.000	1.205	2.30
	n7	DFT-QPSK50M	Top Side	0	509000	1	135	DSI4	Ant4	1	-	19.50	18.70	-0.07	1.730	1.000	1.202	2.08
	n7	DFT-QPSK50M	Top Side	0	507000	135	68	DSI4	Ant4	1	-	19.50	18.80	-0.07	1.800	1.000	1.175	2.11
	n7	DFT-QPSK50M	Top Side	0	509000	135	68	DSI4	Ant4	1	-	19.50	18.78	0.19	1.870	1.000	1.180	2.21
	n7	DFT-QPSK50M	Top Side	0	505000	270	0	DSI4	Ant4	1	-	19.50	18.63	-0.01	1.770	1.000	1.222	2.16
	n38	DFT-QPSK40M	Bottom Side	0	518000	1	53	DSI3/4	Ant1	1	100	23.50	22.53	0.16	1.730	1.000	1.250	2.16
	n38	DFT-QPSK40M	Bottom Side	0	518000	50	28	DSI3/4	Ant1	1	100	23.50	22.54	0.08	1.760	1.000	1.247	2.20
	n38	DFT-QPSK40M	Bottom Side	0	519000	1	53	DSI3/4	Ant1	1	100	23.50	22.42	0.11	1.730	1.000	1.282	2.22
	n38	DFT-QPSK40M	Bottom Side	0	520000	1	53	DSI3/4	Ant1	1	100	23.50	22.46	0.14	1.720	1.000	1.271	2.19
	n38	DFT-QPSK40M	Bottom Side	0	519000	50	28	DSI3/4	Ant1	1	100	23.50	22.49	-0.13	1.780	1.000	1.262	2.25
	n38	DFT-QPSK40M	Bottom Side	0	520000	50	28	DSI3/4	Ant1	1	100	23.50	22.47	0.09	1.760	1.000	1.268	2.23
	n38	DFT-QPSK40M	Bottom Side	0	518000	100	0	DSI3/4	Ant1	1	100	23.50	22.48	0.12	1.750	1.000	1.265	2.21
	n38	DFT-QPSK40M	Rear Face	0	520000	1	53	DSI4	Ant4	1	100	20.00	19.11	0.08	0.868	1.000	1.227	1.07
	n38	DFT-QPSK40M	Top Side	0	520000	1	53	DSI4	Ant4	1	100	20.00	19.11	0.12	1.740	1.000	1.227	2.14
	n38	DFT-QPSK40M	Rear Face	0	520000	50	28	DSI4	Ant4	1	100	20.00	19.16	0.04	0.929	1.000	1.213	1.13
	n38	DFT-QPSK40M	Top Side	0	520000	50	28	DSI4	Ant4	1	100	20.00	19.16	0.13	1.780	1.000	1.213	2.16
	n38	DFT-QPSK40M	Top Side	0	518000	1	53	DSI4	Ant4	1	100	20.00	19.05	0.07	1.780	1.000	1.245	2.22
	n38	DFT-QPSK40M	Top Side	0	519000	1	53	DSI4	Ant4	1	100	20.00	19.09	0.16	1.750	1.000	1.233	2.16
P99	n38	DFT-QPSK40M	Top Side	0	518000	50	28	DSI4	Ant4	1	100	20.00	19.04	0.04	1.870	1.000	1.247	2.33
	n38	DFT-QPSK40M	Top Side	0	519000	50	28	DSI4	Ant4	1	100	20.00	19.06	-0.07	1.780	1.000	1.242	2.21
	n38	DFT-QPSK40M	Top Side	0	520000	100	0	DSI4	Ant4	1	100	20.00	18.96	0.18	1.720	1.000	1.271	2.19
	n41	DFT-QPSK100M	Bottom Side	0	515													



BUREAU
VERITAS

FCC SAR Test Report



Certificate #6613.01

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (Db)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)	
P101	n48	DFT-QPSK100M	Rear Face	0	640000	135	69	DSI4	Ant5	1	100	20.00	19.05	0.09	0.698	1.000	1.245	0.87	
	n48	DFT-QPSK100M	Top Side	0	640000	135	69	DSI4	Ant5	1	100	20.00	19.05	0.15	1.610	1.000	1.245	2.00	
	n48	DFT-QPSK100M	Top Side	0	641666	1	137	DSI4	Ant5	1	100	20.00	18.87	0.15	1.760	1.000	1.297	2.28	
	n48	DFT-QPSK100M	Top Side	0	643332	1	137	DSI4	Ant5	1	100	20.00	18.81	-0.01	1.730	1.000	1.315	2.28	
	n48	DFT-QPSK100M	Top Side	0	641666	135	69	DSI4	Ant5	1	100	20.00	18.96	-0.02	1.650	1.000	1.271	2.10	
	n48	DFT-QPSK100M	Top Side	0	643332	135	69	DSI4	Ant5	1	100	20.00	18.83	0.02	1.790	1.000	1.309	2.34	
P102	n48	DFT-QPSK100M	Top Side	0	640000	270	0	DSI4	Ant5	1	100	20.00	18.97	0.17	1.810	1.000	1.268	2.29	
	n66	DFT-QPSK40M	Front Face	0	349000	1	107	DSI3/4	Ant1	1	-	20.00	18.86	0.05	0.985	1.000	1.300	1.28	
	n66	DFT-QPSK40M	Rear Face	0	349000	1	107	DSI3/4	Ant1	1	-	20.00	18.86	-0.03	1.150	1.000	1.300	1.50	
	n66	DFT-QPSK40M	Bottom Side	0	349000	1	107	DSI3/4	Ant1	1	-	20.00	18.86	-0.10	1.460	1.000	1.300	1.90	
	n66	DFT-QPSK40M	Front Face	0	349000	108	54	DSI3/4	Ant1	1	-	20.00	18.91	0.13	1.020	1.000	1.285	1.31	
	n66	DFT-QPSK40M	Rear Face	0	349000	108	54	DSI3/4	Ant1	1	-	20.00	18.91	-0.03	1.180	1.000	1.285	1.52	
	n66	DFT-QPSK40M	Bottom Side	0	349000	108	54	DSI3/4	Ant1	1	-	20.00	18.91	-0.16	1.890	1.000	1.285	2.43	
	n66	DFT-QPSK40M	Bottom Side	0	346000	108	54	DSI3/4	Ant1	1	-	20.00	18.81	-0.17	1.550	1.000	1.315	2.04	
	n66	DFT-QPSK40M	Bottom Side	0	352000	108	54	DSI3/4	Ant1	1	-	20.00	18.75	-0.13	1.540	1.000	1.334	2.05	
	n66	DFT-QPSK40M	Bottom Side	0	349000	216	0	DSI3/4	Ant1	1	-	20.00	18.84	-0.11	1.520	1.000	1.306	1.99	
	n66	DFT-QPSK40M	Front Face	0	349000	1	107	DSI4	Ant4	1	-	23.00	22.19	0.06	1.370	1.000	1.205	1.65	
	n66	DFT-QPSK40M	Rear Face	0	349000	1	107	DSI4	Ant4	1	-	23.00	22.19	0.13	1.200	1.000	1.205	1.45	
	n66	DFT-QPSK40M	Top Side	0	349000	1	107	DSI4	Ant4	1	-	23.00	22.19	0.04	2.040	1.000	1.205	2.46	
	n66	DFT-QPSK40M	Front Face	0	349000	108	54	DSI4	Ant4	1	-	23.00	22.38	-0.08	1.410	1.000	1.153	1.63	
	n66	DFT-QPSK40M	Rear Face	0	349000	108	54	DSI4	Ant4	1	-	23.00	22.38	-0.04	1.220	1.000	1.153	1.41	
	n66	DFT-QPSK40M	Top Side	0	349000	108	54	DSI4	Ant4	1	-	23.00	22.38	0.07	2.020	1.000	1.153	2.33	
	n66	DFT-QPSK40M	Top Side	0	346000	1	107	DSI4	Ant4	1	-	23.00	22.04	-0.17	1.980	1.000	1.247	2.47	
	n66	DFT-QPSK40M	Top Side	0	352000	1	107	DSI4	Ant4	1	-	23.00	22.12	0.08	2.020	1.000	1.225	2.47	
	n66	DFT-QPSK40M	Top Side	0	346000	108	54	DSI4	Ant4	1	-	23.00	22.31	0.14	2.140	1.000	1.172	2.51	
	n66	DFT-QPSK40M	Top Side	0	352000	108	54	DSI4	Ant4	1	-	23.00	22.17	0.11	2.070	1.000	1.211	2.51	
	n66	DFT-QPSK40M	Top Side	0	349000	216	0	DSI4	Ant4	1	-	23.00	22.04	0.09	2.050	1.000	1.247	2.56	
	P103	n77	DFT-QPSK100M	Front Face	0	633334	1	137	DSI4	Ant5	1	100	20.00	18.99	0.11	1.150	1.000	1.262	1.45
		n77	DFT-QPSK100M	Rear Face	0	633334	1	137	DSI4	Ant5	1	100	20.00	18.99	-0.18	0.756	1.000	1.262	0.95
		n77	DFT-QPSK100M	Top Side	0	633334	1	137	DSI4	Ant5	1	100	20.00	18.99	0.12	1.810	1.000	1.262	2.28
n77		DFT-QPSK100M	Front Face	0	633334	135	69	DSI4	Ant5	1	100	20.00	19.17	0.08	1.150	1.000	1.211	1.39	
n77		DFT-QPSK100M	Rear Face	0	633334	135	69	DSI4	Ant5	1	100	20.00	19.17	-0.10	0.683	1.000	1.211	0.83	
n77		DFT-QPSK100M	Top Side	0	633334	135	69	DSI4	Ant5	1	100	20.00	19.17	0.19	1.940	1.000	1.211	2.35	
n77		DFT-QPSK100M	Top Side	0	633334	270	0	DSI4	Ant5	1	100	20.00	18.87	-0.18	1.740	1.000	1.297	2.26	
n77		DFT-QPSK100M	Front Face	0	662000	1	137	DSI4	Ant5	1	100	20.00	18.92	0.14	0.927	1.000	1.282	1.19	
n77		DFT-QPSK100M	Rear Face	0	662000	1	137	DSI4	Ant5	1	100	20.00	18.92	0.07	0.570	1.000	1.282	0.73	
n77		DFT-QPSK100M	Top Side	0	662000	1	137	DSI4	Ant5	1	100	20.00	18.92	0.04	1.910	1.000	1.282	2.45	
n77		DFT-QPSK100M	Front Face	0	662000	135	69	DSI4	Ant5	1	100	20.00	19.02	0.05	1.090	1.000	1.253	1.37	
n77		DFT-QPSK100M	Rear Face	0	662000	135	69	DSI4	Ant5	1	100	20.00	19.02	-0.11	0.575	1.000	1.253	0.72	
n77		DFT-QPSK100M	Top Side	0	662000	135	69	DSI4	Ant5	1	100	20.00	19.02	-0.06	1.850	1.000	1.253	2.32	
n77		DFT-QPSK100M	Top Side	0	650000	1	137	DSI4	Ant5	1	100	20.00	18.87	-0.02	1.510	1.000	1.297	1.96	
n77		DFT-QPSK100M	Top Side	0	656000	1	137	DSI4	Ant5	1	100	20.00	18.80	0.06	1.560	1.000	1.318	2.06	
n77		DFT-QPSK100M	Top Side	0	650000	135	69	DSI4	Ant5	1	100	20.00	18.75	-0.04	1.600	1.000	1.334	2.13	
n77		DFT-QPSK100M	Top Side	0	656000	135	69	DSI4	Ant5	1	100	20.00	18.78	0.04	1.720	1.000	1.324	2.28	
n77		DFT-QPSK100M	Top Side	0	662000	270	0	DSI4	Ant5	1	100	20.00	18.78	-0.16	1.640	1.000	1.324	2.17	
P104	n77 PC2	DFT-QPSK100M	Front Face	0	633334	1	137	DSI4	Ant5	1	50	21.50	20.67	0.01	0.959	1.000	1.211	1.16	
	n77 PC2	DFT-QPSK100M	Rear Face	0	633334	1	137	DSI4	Ant5	1	50	21.50	20.67	0.06	0.622	1.000	1.211	0.75	
	n77 PC2	DFT-QPSK100M	Top Side	0	633334	1	137	DSI4	Ant5	1	50	21.50	20.67	-0.08	1.750	1.000	1.211	2.12	
	n77 PC2	DFT-QPSK100M	Front Face	0	633334	135	69	DSI4	Ant5	1	50	21.50	20.91	0.13	0.976	1.000	1.146	1.12	
	n77 PC2	DFT-QPSK100M	Rear Face	0	633334	135	69	DSI4	Ant5	1	50	21.50	20.91	0.09	0.612	1.000	1.146	0.70	
	n77 PC2	DFT-QPSK100M	Top Side	0	633334	135	69	DSI4	Ant5	1	50	21.50	20.91	-0.14	1.690	1.000	1.146	1.94	
	n77 PC2	DFT-QPSK100M	Top Side	0	633334	270	0	DSI4	Ant5	1	50	21.50	20.75	0.18	1.720	1.000	1.189	2.04	
	n77 PC2	DFT-QPSK100M	Front Face	0	662000	1	137	DSI4	Ant5	1	50	21.50	20.76	0.02	0.800	1.000	1.186	0.95	
	n77 PC2	DFT-QPSK100M	Rear Face	0	662000	1	137	DSI4	Ant5	1	50	21.50	20.76	0.14	0.384	1.000	1.186	0.46	
	n77 PC2	DFT-QPSK100M	Top Side	0	662000	1	137	DSI4	Ant5	1	50	21.50	20.76	-0.11	1.810	1.000	1.186	2.15	
	n77 PC2	DFT-QPSK100M	Front Face	0	662000	135	69	DSI4	Ant5	1	50	21.50	20.93	0.15	0.880	1.000	1.140	1.00	
	n77 PC2	DFT-QPSK100M	Rear Face	0	662000	135	69	DSI4	Ant5	1	50	21.50	20.93	-0.14	0.394	1.000	1.140	0.45	
	n77 PC2	DFT-QPSK100M	Top Side	0	662000	135	69	DSI4	Ant5	1	50	21.50	20.93	0.15	1.870	1.000	1.140	2.13	
	n77 PC2	DFT-QPSK100M	Top Side	0	650000	1	137	DSI4	Ant5	1	50	17.50	20.62	0.02	1.530	1.000	0.488	0.75	
	n77 PC2	DFT-QPSK100M	Top Side	0	656000	1	137	DSI4	Ant5	1	50	17.50	20.69	0.10	1.640	1.000	0.480	0.79	
	n77 PC2	DFT-QPSK100M	Top Side	0	650000	135	69	DSI4	Ant5	1	50	17.50	20.81	0.18	1.580	1.000	0.467	0.74	
	n77 PC2	DFT-QPSK100M	Top Side	0	656000	135	69	DSI4	Ant5	1	50	17.50	20.85	-0.05	1.570	1.000	0.462	0.73	
	n77 PC2	DFT-QPSK100M	Top Side	0	650000	270	0	DSI4	Ant5	1	50	17.50	20.81	-0.19	1.330	1.000	0.		

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	RB#	RB Offset	Power State	Antenna	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (Db)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
	WLAN5G	802.11n-HT20	Top Side	0	140	-	-	DSI2	Ant6	3	97.27	16.00	14.82	0.16	0.567	1.028	1.312	0.76

Note : When the hotspot SAR is adjusted for maximum tune-up tolerance and the result is <1.2W/kg, the extremity SAR is not required.

4.6.6 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Band	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1 st Repeated SAR-1g (W/kg)	L/S Ratio	2 nd Repeated SAR-1g (W/kg)	L/S Ratio	3 rd Repeated SAR-1g (W/kg)	L/S Ratio
GSM850	Right Tilted	189	0.812	0.801	1.01	N/A	N/A	N/A	N/A
WCDMA IV	Right Tilted	1413	0.805	0.784	1.03	N/A	N/A	N/A	N/A
LTE 12	Right Cheek	23130	0.788	0.751	1.05	N/A	N/A	N/A	N/A
LTE 42	Left Tilted	42590	0.735	0.712	1.03	N/A	N/A	N/A	N/A
NR n2	Right Tilted	372000	0.847	0.825	1.03	N/A	N/A	N/A	N/A
NR n41	Right Tilted	518598	0.902	0.857	1.05	N/A	N/A	N/A	N/A
NR n48	Left Tilted	640000	0.836	0.807	1.04	N/A	N/A	N/A	N/A
NR n77	Right Cheek	650000	0.879	0.855	1.03	N/A	N/A	N/A	N/A

Band	Test Position 10mm	Ch.	Original Measured SAR-1g (W/kg)	1 st Repeated SAR-1g (W/kg)	L/S Ratio	2 nd Repeated SAR-1g (W/kg)	L/S Ratio	3 rd Repeated SAR-1g (W/kg)	L/S Ratio
GSM1900	Bottom Side	661	0.921	0.904	1.02	N/A	N/A	N/A	N/A
WCDMA II	Top Side	9400	0.753	0.722	1.04	N/A	N/A	N/A	N/A
LTE 7	Bottom Side	21350	0.780	0.761	1.02	N/A	N/A	N/A	N/A
LTE 42	Top Side	42590	0.759	0.744	1.02	N/A	N/A	N/A	N/A
LTE 66	Bottom Side	132572	0.787	0.755	1.04	N/A	N/A	N/A	N/A
NR n48	Rear Face	643332	0.764	0.745	1.03	N/A	N/A	N/A	N/A
NR n77	Rear Face	662000	0.855	0.828	1.03	N/A	N/A	N/A	N/A

Band	Test Position 0mm	Ch.	Original Measured SAR-10g (W/kg)	1st Repeated SAR-10g (W/kg)	L/S Ratio	2nd Repeated SAR-10g (W/kg)	L/S Ratio	3rd Repeated SAR-10g (W/kg)	L/S Ratio
WCDMA II	Top Side	9262	1.8	1.74	1.03	N/A	N/A	N/A	N/A
LTE 42	Top Side	42590	1.96	1.93	1.02	N/A	N/A	N/A	N/A
NR n41	Top Side	509202	2.11	2.07	1.02	N/A	N/A	N/A	N/A
NR n66	Top Side	349000	2.05	2.01	1.02	N/A	N/A	N/A	N/A
NR n48	Top Side	643332	1.79	1.73	1.03	N/A	N/A	N/A	N/A
NR n77	Top Side	662000	1.91	1.85	1.03	N/A	N/A	N/A	N/A

4.6.7 Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Head	Body worn	Hotspot	Extremity
1	WWAN + WLAN2.4GHz	Yes			
2	WWAN + WLAN5GHz	Yes			
3	WWAN + WLAN5GHz + BT	Yes			

<SAR Summation Analysis>

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR_{1g} of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR_{1g} 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR_{1g} is greater than the SAR limit (SAR_{1g} 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

The detailed sim-Tx analysis please refer to Appendix F.

Test Engineer : Renjie Liu, and Zixiao Xia.

4. Calibration of Test Equipment

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D750V3	1200	Oct. 27, 2021	3 Years
System Validation Dipole	SPEAG	D835V2	4d265	Oct. 18, 2021	3 Years
System Validation Dipole	SPEAG	D1750V2	1176	Oct. 19, 2021	3 Years
System Validation Dipole	SPEAG	D1950V3	1229	Oct. 28, 2021	3 Years
System Validation Dipole	SPEAG	D2450V2	1048	Oct. 21, 2021	3 Years
System Validation Dipole	SPEAG	D2550V2	1022	Sep. 22, 2022	3 Years
System Validation Dipole	SPEAG	D3500V2	1111	Oct. 21, 2021	3 Years
System Validation Dipole	SPEAG	D3700V2	1082	Oct. 20, 2021	3 Years
System Validation Dipole	SPEAG	D3900V2	1055	Oct. 25, 2021	3 Years
System Validation Dipole	SPEAG	D5GHzV2	1315	Oct. 22, 2021	3 Years
Data Acquisition Electronics	SPEAG	DAE4	1633	Mar. 06, 2024	1 Year
Data Acquisition Electronics	SPEAG	DAE4	755	Jul. 05, 2024	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7612	Mar. 20, 2024	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3985	Jul. 23, 2024	1 Year
Radio Communication Analyzer	ANRITSU	MT8821C	6272416925	Aug. 26, 2022	2 Year
Magnetic Field Probe	SPEAG	DAK-3.5	1119	Feb. 19, 2024	1 Year
ENA Series Network Analyzer	SPEAG	DAKS_VNA R140	0121219	Feb. 19, 2024	1 Year
Power Meter	Rohde&Schwarz	NRX	102380	Mar. 28, 2024	1 Year
Power Sensor	Rohde&Schwarz	NRP6A	102942	Mar. 20, 2024	1 Year
Power Sensor	Rohde&Schwarz	NRP6A	102943	Mar. 20, 2024	1 Year
ESG Analog Signal Generator	Rohde&Schwarz	SMB100B	102507	Mar. 28, 2024	1 Year
Coupler	Woken	0110A056020-10	COM27RW1A3	May. 09, 2024	1 Year
Temp.&Humi.Recorder	Deli	8813	SZ011	Sep. 06, 2022	2 Years

Note:

- Referring to KDB 865664 D01 v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipole are also not physically damaged, or repaired during the interval. The dipole justification can be found in appendix C.
The return loss is $< -20\text{dB}$, within 20% of prior calibration, the impedance is with 5ohm of prior calibration.

5. Measurement Uncertainty

DASY6 Uncertainty Budget According to IEEE 1528-2013 and IEC 62209-1/2016 (0.3 - 3 GHz range)								
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)	(Vi) Veff
Measurement System								
Probe Calibration	6.05	N	1	1	1	6.1	6.1	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9	∞
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	4.0	N	1	1	1	4.0	4.0	35
Device Holder	4.9	N	1	1	1	4.9	4.9	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.6	R	1.732	1	1	3.8	3.8	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.14	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	10.0	R	1.732	0.78	0.71	4.5	4.1	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	2.61	R	1.732	0.78	0.71	1.2	1.1	∞
Liquid Permittivity Repeatability	0.03	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	10.0	R	1.732	0.23	0.26	1.3	1.5	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	1.78	R	1.732	0.23	0.26	0.2	0.3	∞
Combined Std. Uncertainty						13.6%	13.5%	578
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						27.2%	26.9%	

Uncertainty budget for frequency range 300 MHz to 3 GHz

DASY6 Uncertainty Budget According to IEC 62209-2/2010 (30 MHz - 6 GHz range)								
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)	(Vi) Veff
Measurement System								
Probe Calibration	6.65	N	1	1	1	6.7	6.7	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9	∞
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	4.3	N	1	1	1	4.3	4.3	35
Device Holder	4.9	N	1	1	1	4.9	4.9	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.6	R	1.732	1	1	3.8	3.8	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.16	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	10.0	R	1.732	0.78	0.71	4.5	4.1	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	3.64	R	1.732	0.78	0.71	1.6	1.5	∞
Liquid Permittivity Repeatability	0.08	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	10.0	R	1.732	0.23	0.26	1.3	1.5	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	1.78	R	1.732	0.23	0.26	0.2	0.3	∞
Combined Std. Uncertainty						14.0%	13.9%	624
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						28.0%	27.7%	

Uncertainty budget for frequency range 30 MHz to 6 GHz

6. Information on the Testing Laboratories

We, Huarui Saiwei (Suzhou) Technology Co., LTD., were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation.

If you have any comments, please feel free to contact us at the following:

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The road map of all our labs can be found in our web site also

Web: <http://www.7Layers.com>

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Appendix A. SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

System Check_HSL750_240724**DUT: Dipole 750 MHz; Type: D750V3**

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750_0724 Medium parameters used: $f = 750$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 42.931$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(11.4, 11.4, 11.4) @ 750 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.28 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.65 V/m; Power Drift = -0.01 dB

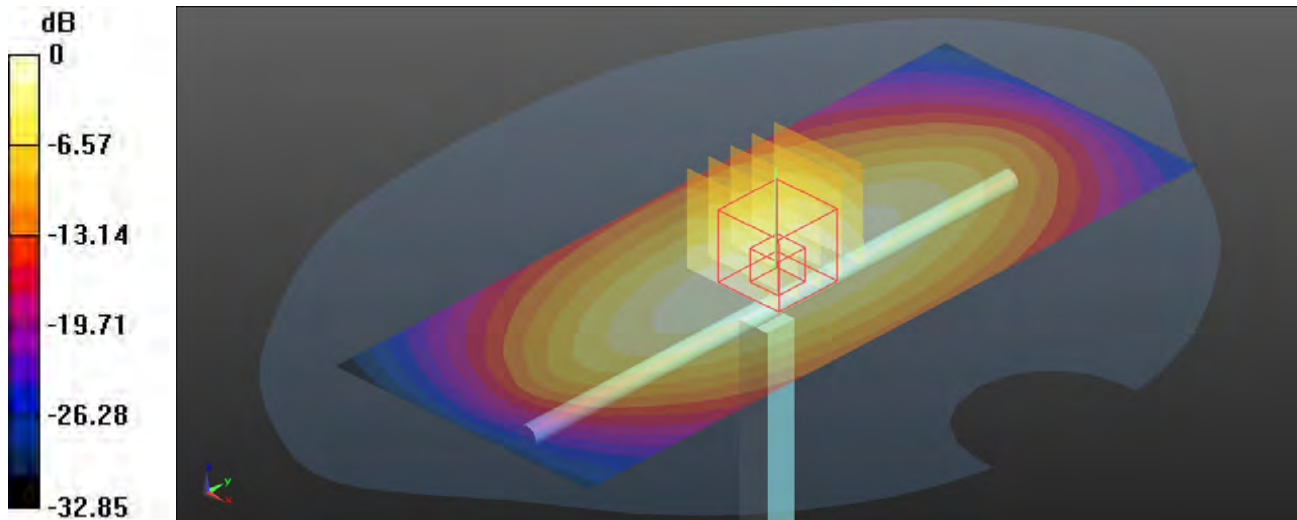
Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.39 W/kg

Smallest distance from peaks to all points 3 dB below = 22.7 mm

Ratio of SAR at M2 to SAR at M1 = 67.1%

Maximum value of SAR (measured) = 2.29 W/kg



0 dB = 2.29 W/kg

System Check_HSL835_240728**DUT: Dipole 835 MHz; Type: D835V2**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835_0728 Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 40.319$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(10.96, 10.96, 10.96) @ 835 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.82 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.70 V/m; Power Drift = -0.06 dB

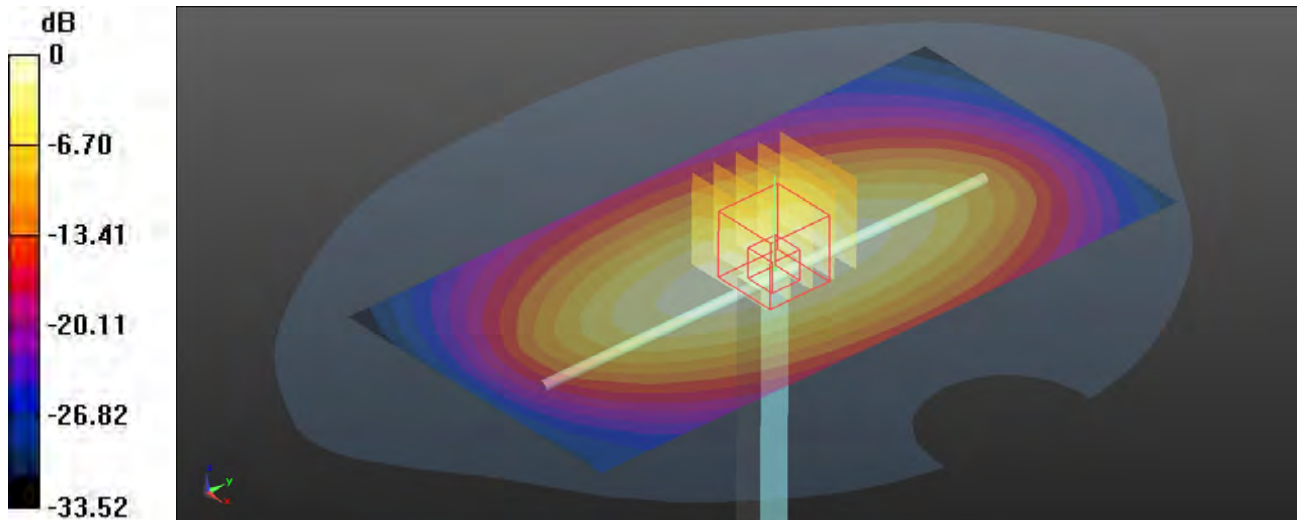
Peak SAR (extrapolated) = 3.88 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.6 W/kg

Smallest distance from peaks to all points 3 dB below = 19.5 mm

Ratio of SAR at M2 to SAR at M1 = 67%

Maximum value of SAR (measured) = 2.83 W/kg



0 dB = 2.83 W/kg

System Check_HSL835_240729**DUT: Dipole 835 MHz; Type: D835V2**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835_0729 Medium parameters used: $f = 835$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 43.284$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(10.96, 10.96, 10.96) @ 835 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.57 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.54 V/m; Power Drift = -0.06 dB

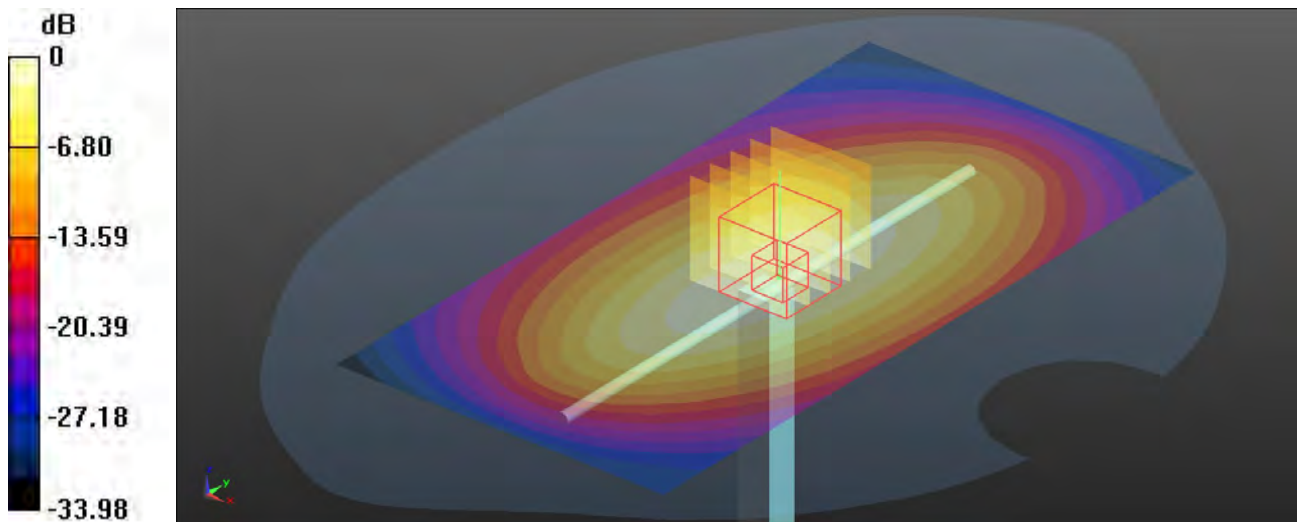
Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.51 W/kg

Smallest distance from peaks to all points 3 dB below = 19.5 mm

Ratio of SAR at M2 to SAR at M1 = 66.7%

Maximum value of SAR (measured) = 2.58 W/kg



0 dB = 2.58 W/kg

System Check_HSL1750_240730**DUT: Dipole 1750 MHz; Type: D1750V2**

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750_0730 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.413$ S/m; $\epsilon_r = 39.387$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(9.2, 9.2, 9.2) @ 1750 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.7 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.97 V/m; Power Drift = -0.11 dB

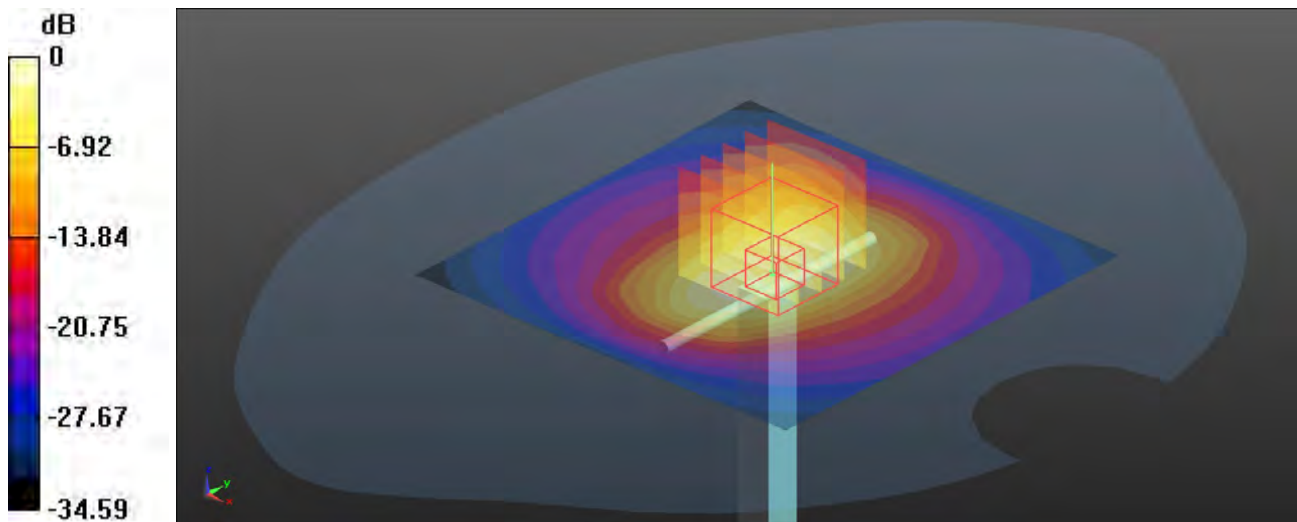
Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.59 W/kg; SAR(10 g) = 5.01 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 10.7 W/kg

System Check_HSL1750_240731**DUT: Dipole 1750 MHz; Type: D1750V2**

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750_0731 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 40.084$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(9.2, 9.2, 9.2) @ 1750 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.98 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.62 V/m; Power Drift = -0.11 dB

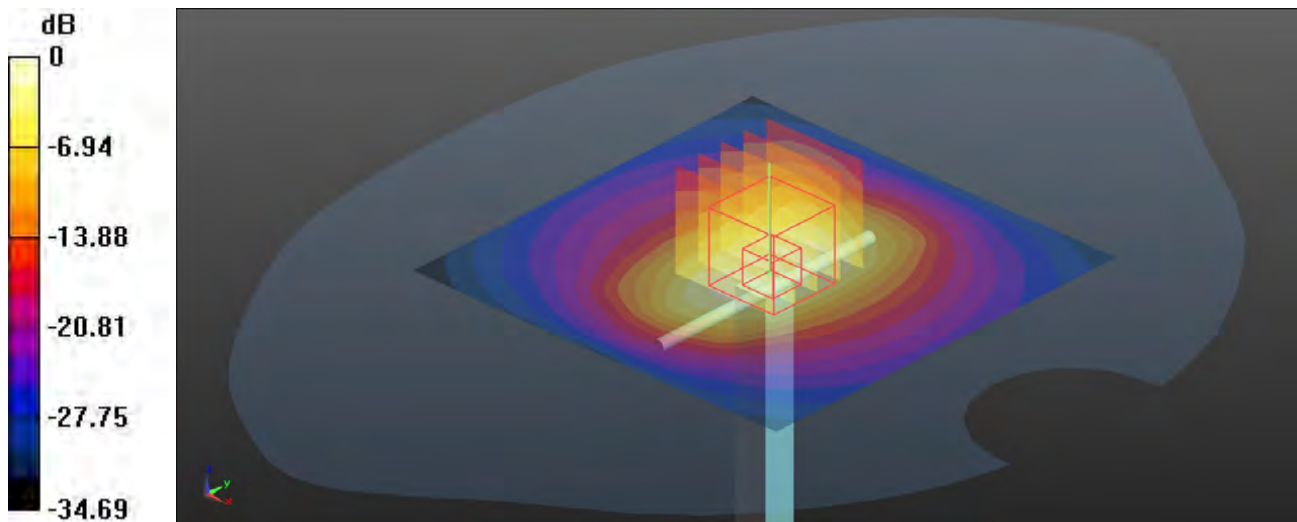
Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 8.94 W/kg; SAR(10 g) = 4.77 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.7%

Maximum value of SAR (measured) = 10.0 W/kg



0 dB = 10.0 W/kg

System Check_HSL1750_240824**DUT: Dipole 1750 MHz; Type: D1750V2**

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750_0824 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.412$ S/m; $\epsilon_r = 39.374$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.51, 8.51, 8.51) @ 1750 MHz; Calibrated: 2024/07/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2024/07/05
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.7 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.97 V/m; Power Drift = -0.11 dB

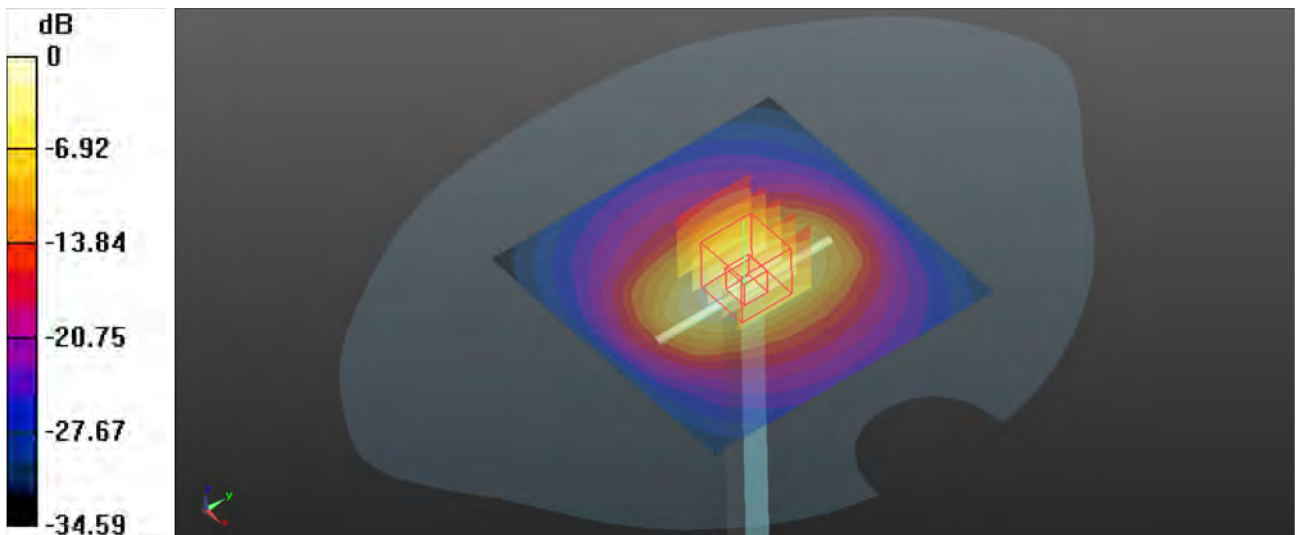
Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.59 W/kg; SAR(10 g) = 5.09 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 10.7 W/kg

System Check_HSL1950_240724**DUT: Dipole 1950 MHz; Type: D1950V3**

Communication System: CW; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950_0724 Medium parameters used: $f = 1950$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 39.276$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(8.83, 8.83, 8.83) @ 1950 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.9 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.51 V/m; Power Drift = -0.16 dB

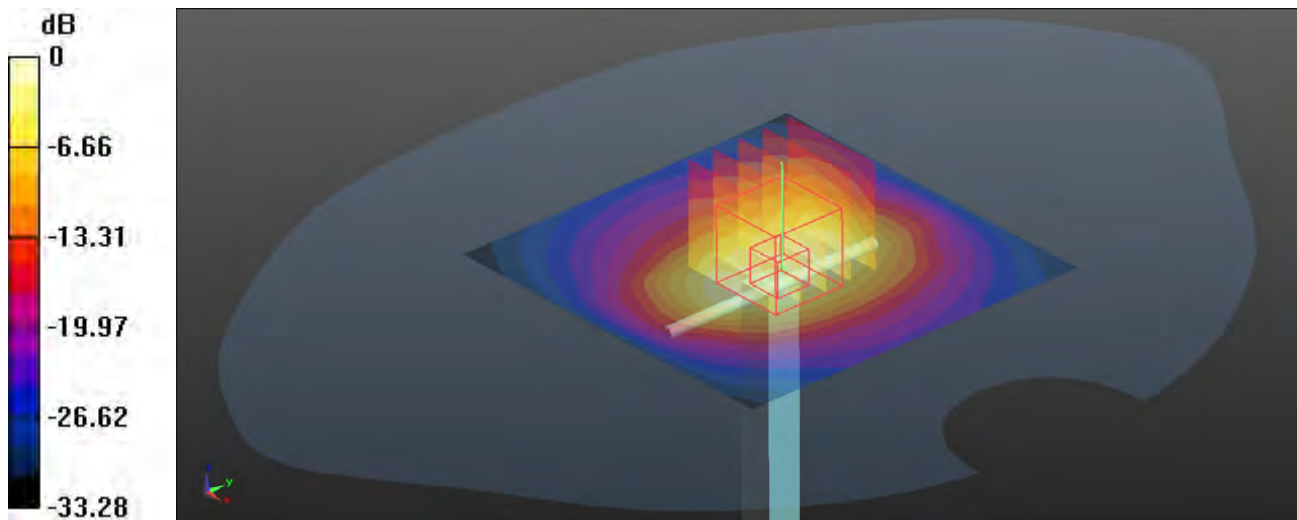
Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.16 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg

System Check_HSL1950_240730**DUT: Dipole 1950 MHz; Type: D1950V3**

Communication System: CW; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950_0730 Medium parameters used: $f = 1950$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 40.004$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(8.83, 8.83, 8.83) @ 1950 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.1 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.18 V/m; Power Drift = -0.15 dB

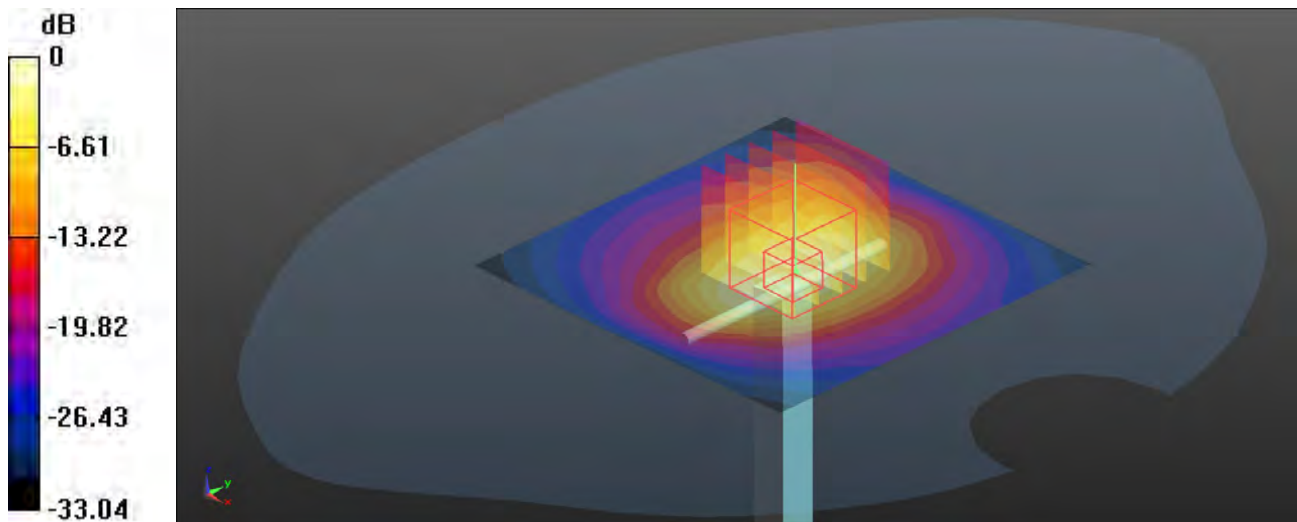
Peak SAR (extrapolated) = 20.6 W/kg

SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.24 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg

System Check_HSL1950_240824**DUT: Dipole 1950 MHz; Type: D1950V3**

Communication System: CW; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950_0824 Medium parameters used: $f = 1950$ MHz; $\sigma = 1.432$ S/m; $\epsilon_r = 38.778$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

-Probe: EX3DV4 - SN3985; ConvF(8.16, 8.16, 8.16) @ 1950 MHz; Calibrated: 2024/07/23

-Sensor-Surface: 2mm (Mechanical Surface Detection)

-Electronics: DAE4 Sn755; Calibrated: 2024/07/05

-Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611

-Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.8 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.51 V/m; Power Drift = -0.18 dB

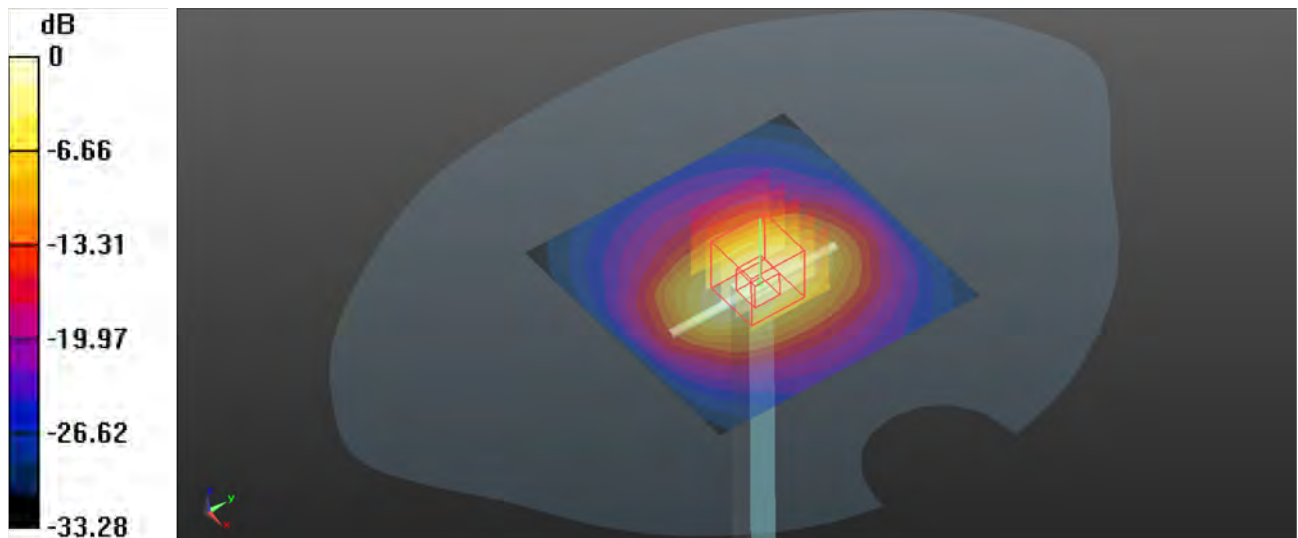
Peak SAR (extrapolated) = 19.1 W/kg

SAR(1 g) = 10.09 W/kg; SAR(10 g) = 5.12 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg

System Check_HSL2450_240801**DUT: Dipole 2450 MHz; Type: D2450V2**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450_0801 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.862$ S/m; $\epsilon_r = 38.958$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(8.2, 8.2, 8.2) @ 2450 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 14.9 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 83.41 V/m; Power Drift = -0.02 dB

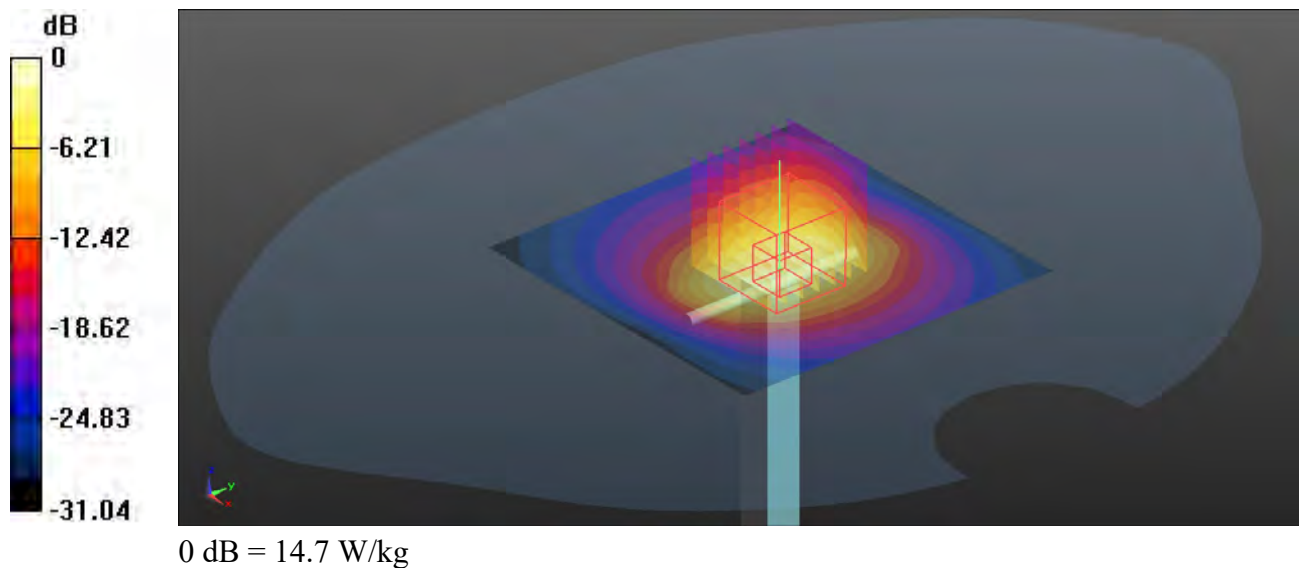
Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.03 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 49.9%

Maximum value of SAR (measured) = 14.7 W/kg



System Check_HSL2550_240802**DUT: Dipole 2550 MHz; Type: D2550V2**

Communication System: CW; Frequency: 2550 MHz; Duty Cycle: 1:1

Medium: HSL2550_0802 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.958$ S/m; $\epsilon_r = 39.192$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(8.2, 8.2, 8.2) @ 2550 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (61x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 23.6 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 74.43 V/m; Power Drift = 0.07 dB

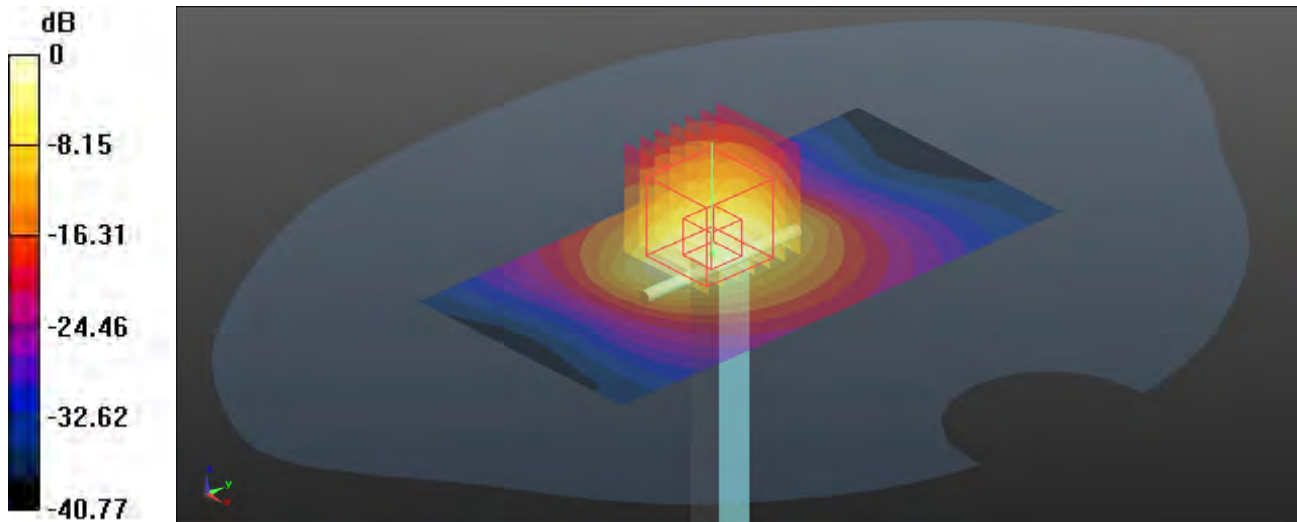
Peak SAR (extrapolated) = 28.8 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.22 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 47.6%

Maximum value of SAR (measured) = 23.1 W/kg



0 dB = 23.1 W/kg

System Check_HSL2550_240803**DUT: Dipole 2550 MHz; Type: D2550V2**

Communication System: CW; Frequency: 2550 MHz; Duty Cycle: 1:1

Medium: HSL2550_0803 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.843$ S/m; $\epsilon_r = 39.562$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(8.2, 8.2, 8.2) @ 2550 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (61x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.7 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 66.34 V/m; Power Drift = 0.09 dB

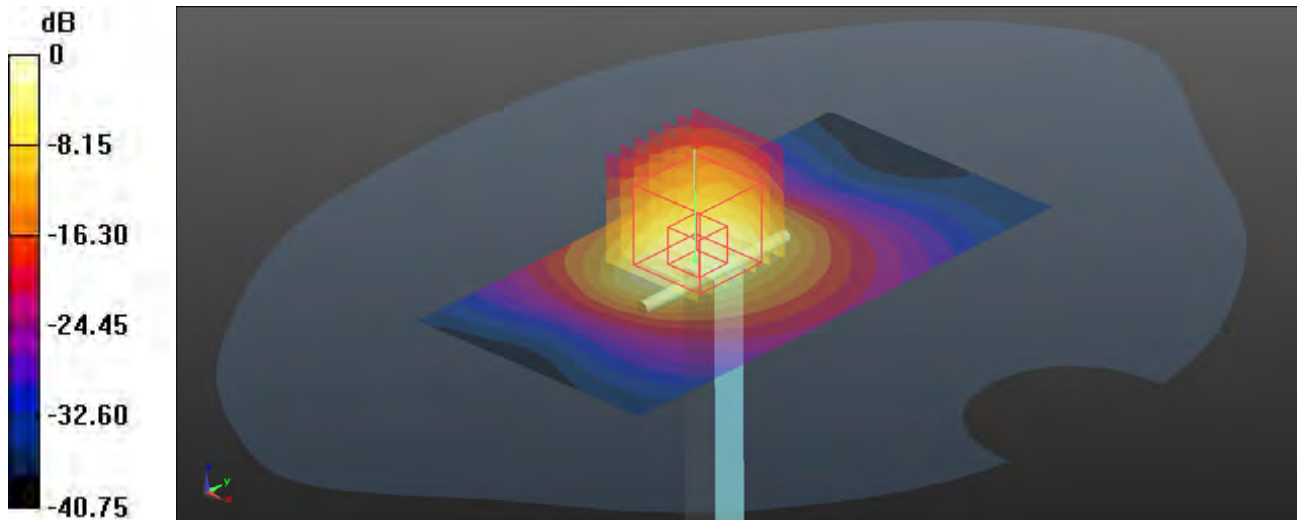
Peak SAR (extrapolated) = 27.3 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.87 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47.4%

Maximum value of SAR (measured) = 21.9 W/kg



0 dB = 21.9 W/kg

System Check_HSL2550_240804**DUT: Dipole 2550 MHz; Type: D2550V2**

Communication System: CW; Frequency: 2550 MHz; Duty Cycle: 1:1

Medium: HSL2550_0804 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 39.574$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(8.2, 8.2, 8.2) @ 2550 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (61x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 22.1 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 73.93 V/m; Power Drift = 0.07 dB

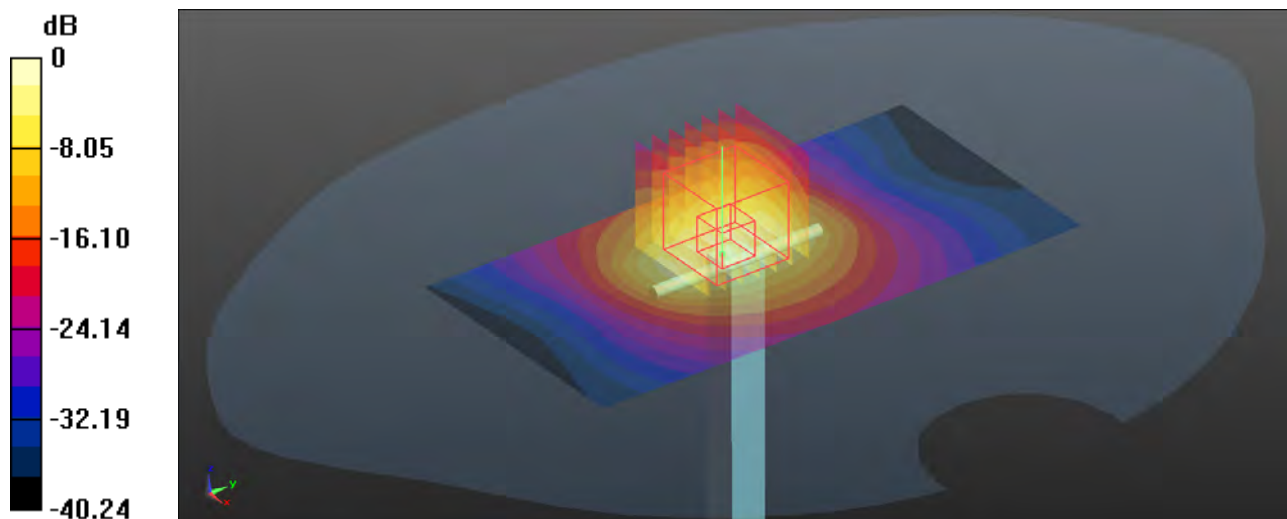
Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.78 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47.4%

Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg

System Check_HSL3500_240805**DUT: Dipole 3500 MHz; Type: D3500V2**

Communication System: CW; Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500_0805 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.821$ S/m; $\epsilon_r = 39.687$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(7.45, 7.45, 7.45) @ 3500 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (41x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.44 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.02 V/m; Power Drift = 0.07 dB

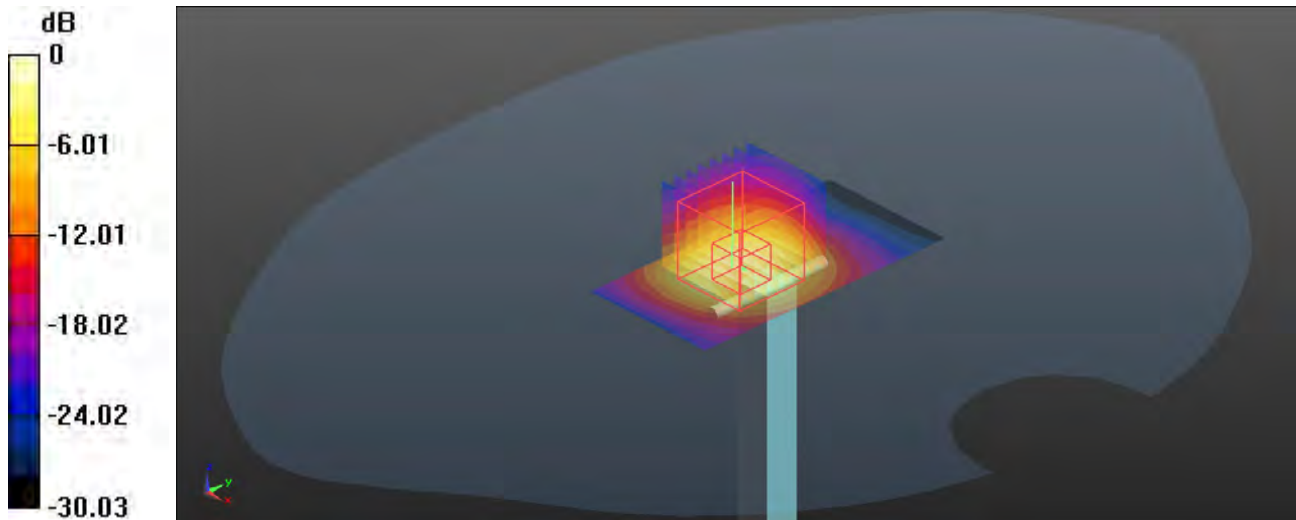
Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 6.31 W/kg; SAR(10 g) = 2.46 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 76.6%

Maximum value of SAR (measured) = 8.56 W/kg



0 dB = 8.56 W/kg

System Check_HSL3500_240808**DUT: Dipole 3500 MHz; Type: D3500V2**

Communication System: CW; Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500_0808 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.794$ S/m; $\epsilon_r = 39.131$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(7.45, 7.45, 7.45) @ 3500 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (41x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.90 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 53.26 V/m; Power Drift = 0.17 dB

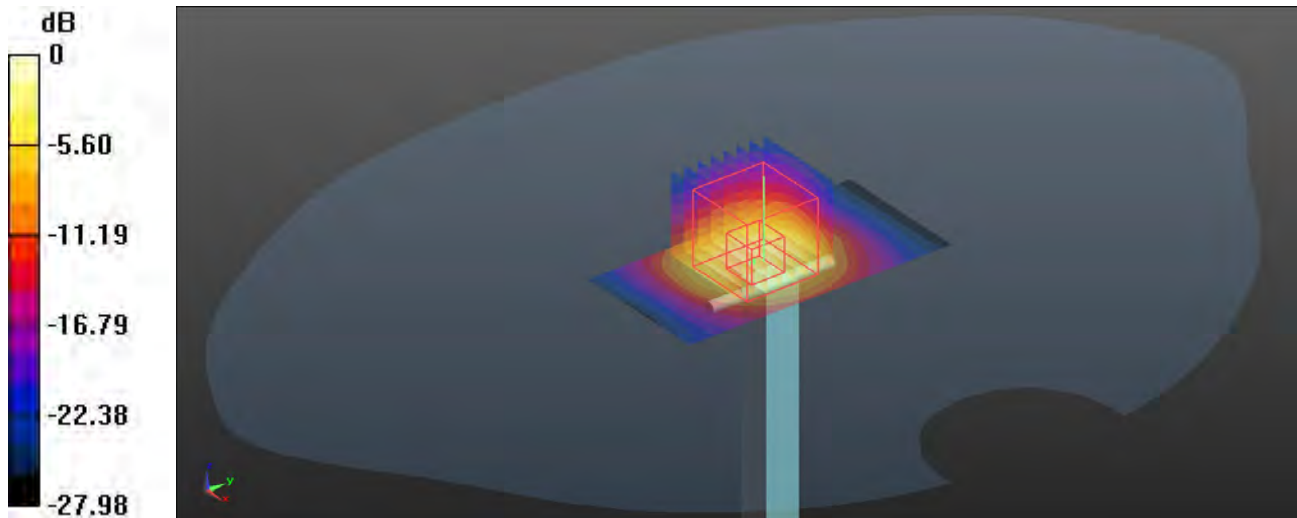
Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 6.25 W/kg; SAR(10 g) = 2.37 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 76.9%

Maximum value of SAR (measured) = 8.17 W/kg



0 dB = 8.17 W/kg

System Check_HSL3500_240810**DUT: Dipole 3500 MHz; Type: D3500V2**

Communication System: CW; Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500_0810 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.894$ S/m; $\epsilon_r = 40.167$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(7.45, 7.45, 7.45) @ 3500 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (41x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.10 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.71 V/m; Power Drift = 0.05 dB

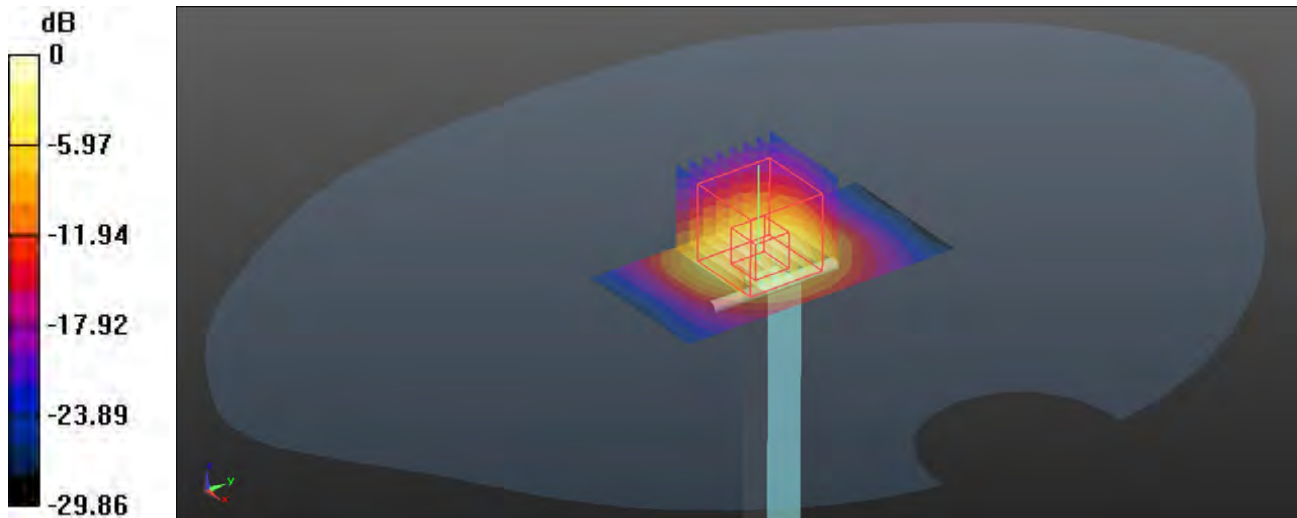
Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 6.32 W/kg; SAR(10 g) = 2.44 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 77.1%

Maximum value of SAR (measured) = 8.40 W/kg



0 dB = 8.40 W/kg

System Check_HSL3700_240806**DUT: Dipole 3700 MHz; Type: D3700V2**

Communication System: CW; Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL3700_0806 Medium parameters used: $f = 3700$ MHz; $\sigma = 3.01$ S/m; $\epsilon_r = 39.366$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(7.18, 7.18, 7.18) @ 3700 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 13.3 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 43.99 V/m; Power Drift = 0.01 dB

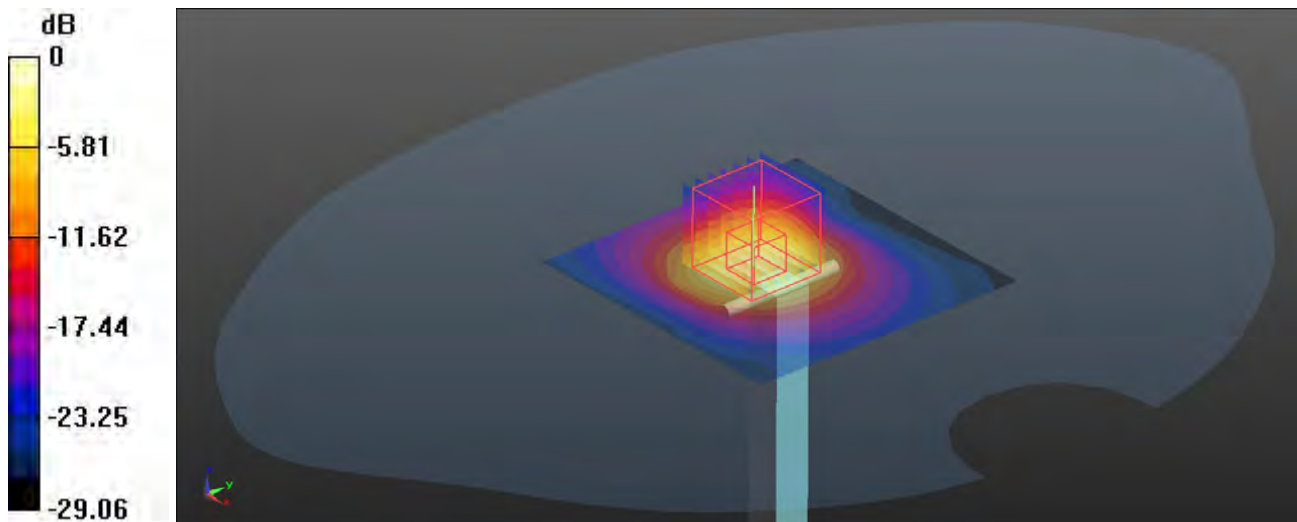
Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 6.69 W/kg; SAR(10 g) = 2.5 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 67.2%

Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg

System Check_HSL3700_240807**DUT: Dipole 3700 MHz; Type: D3700V2**

Communication System: CW; Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL3700_0807 Medium parameters used: $f = 3700$ MHz; $\sigma = 2.981$ S/m; $\epsilon_r = 38.812$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(7.18, 7.18, 7.18) @ 3700 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.7 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 42.88 V/m; Power Drift = 0.12 dB

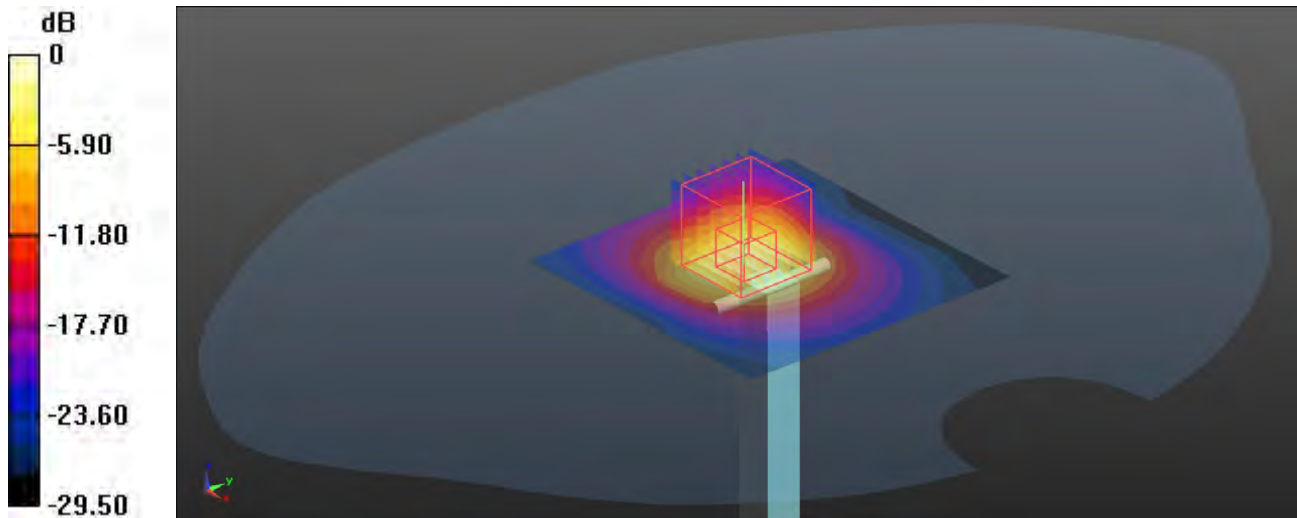
Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 6.36 W/kg; SAR(10 g) = 2.38 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg

System Check_HSL3700_240809**DUT: Dipole 3700 MHz; Type: D3700V2**

Communication System: CW; Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL3700_0809 Medium parameters used: $f = 3700$ MHz; $\sigma = 3.12$ S/m; $\epsilon_r = 39.971$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(7.18, 7.18, 7.18) @ 3700 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.6 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 42.91 V/m; Power Drift = 0.16 dB

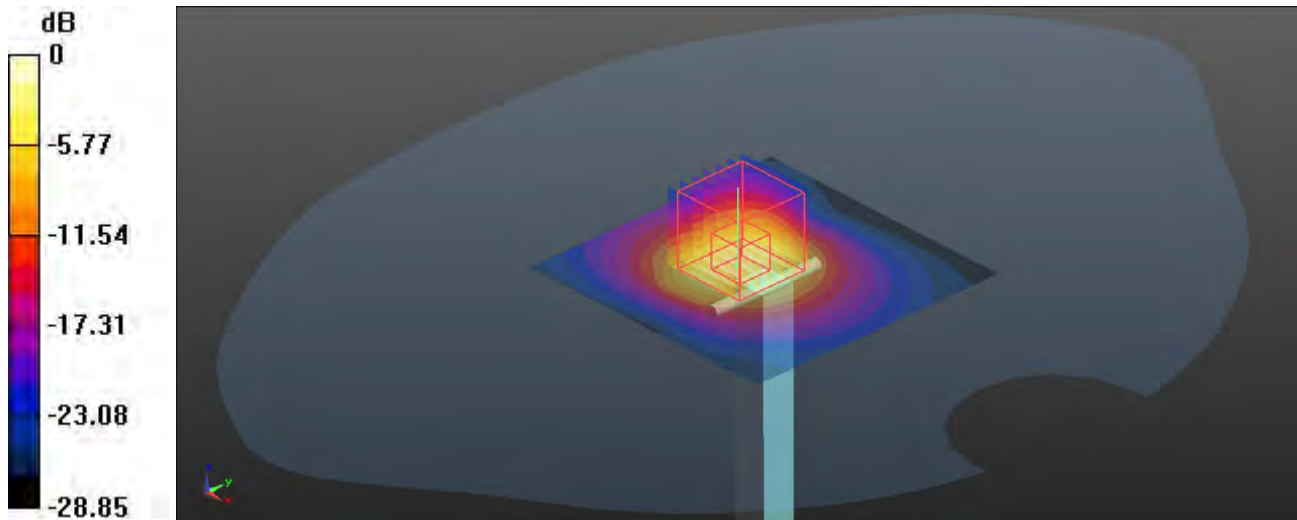
Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 6.35 W/kg; SAR(10 g) = 2.39 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg

System Check_HSL3900_240811**DUT: Dipole 3900 MHz; Type: D3900V2**

Communication System: CW; Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL3900_0811 Medium parameters used: $f = 3900$ MHz; $\sigma = 3.18$ S/m; $\epsilon_r = 38.519$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(6.9, 6.9, 6.9) @ 3900 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.0 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 45.75 V/m; Power Drift = 0.07 dB

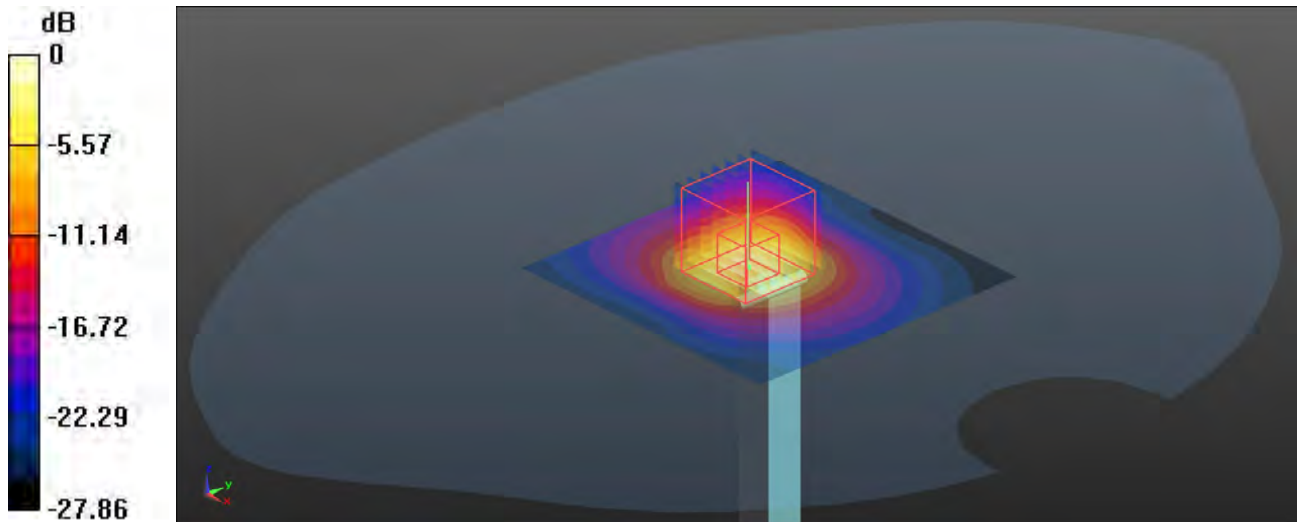
Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 6.87 W/kg; SAR(10 g) = 2.47 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 14.0 W/kg



0 dB = 14.0 W/kg

System Check_HSL5250_240812**DUT: Dipole 5GHz; Type: D5GHzV2**

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL5G_0812 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.568$ S/m; $\epsilon_r = 36.361$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(5.75, 5.75, 5.75) @ 5250 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.4 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 32.70 V/m; Power Drift = 0.06 dB

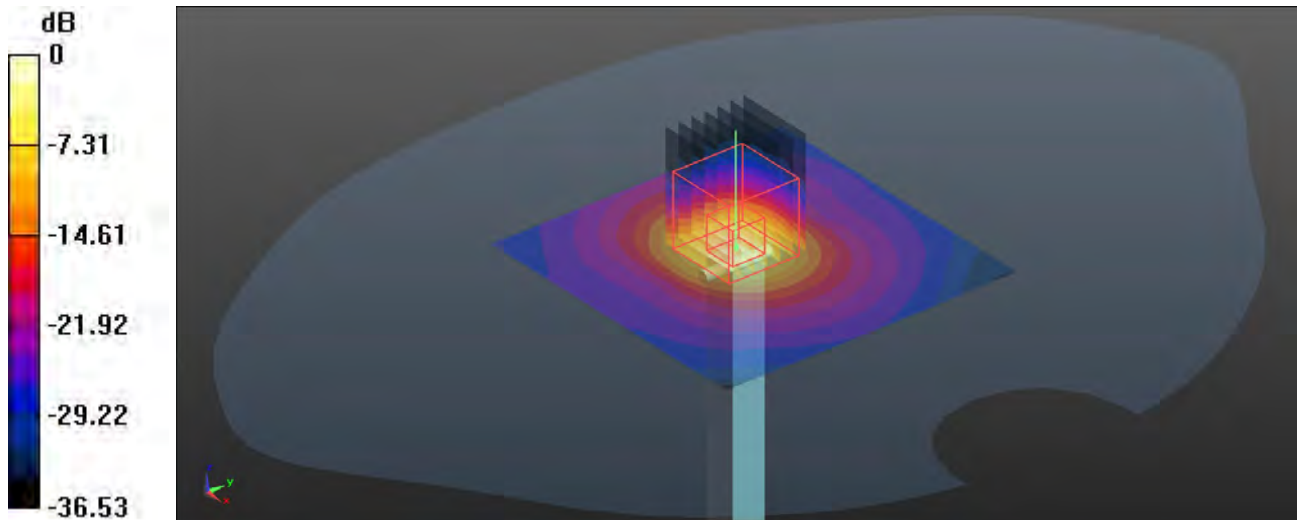
Peak SAR (extrapolated) = 33.0 W/kg

SAR(1 g) = 7.65 W/kg; SAR(10 g) = 2.17 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 52.1%

Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg

System Check_HSL5600_240813**DUT: Dipole 5GHz; Type: D5GHzV2**

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL5G_0813 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.941$ S/m; $\epsilon_r = 34.543$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7612; ConvF(5.06, 5.06, 5.06) @ 5600 MHz; Calibrated: 2024/3/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 2024/3/6
- Phantom: SAM Right ; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.7 W/kg

Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 29.28 V/m; Power Drift = 0.06 dB

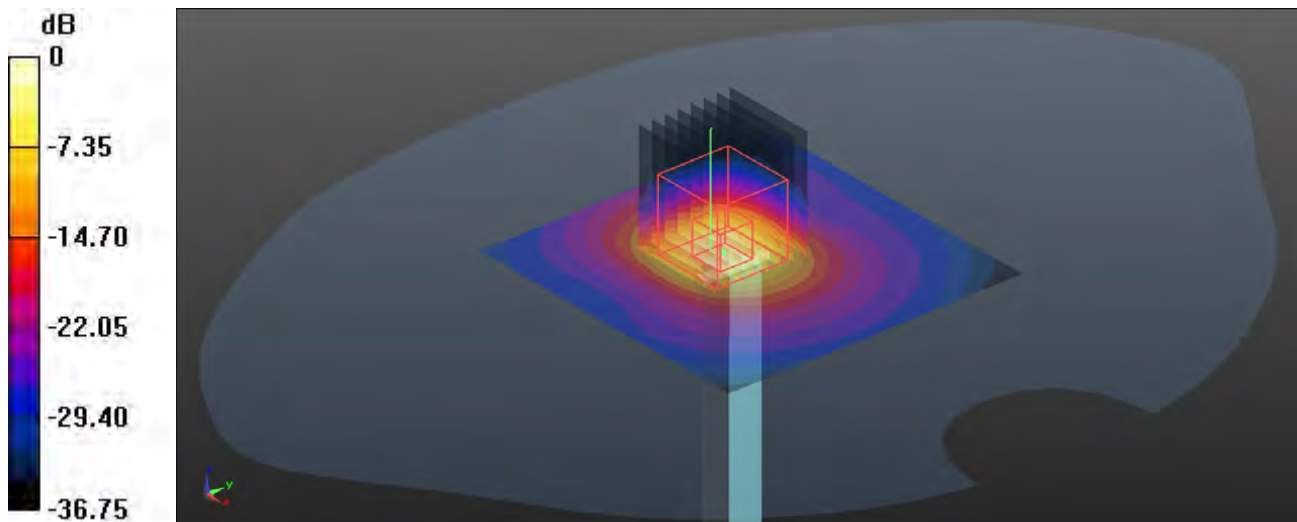
Peak SAR (extrapolated) = 37.4 W/kg

SAR(1 g) = 8.31 W/kg; SAR(10 g) = 2.33 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 61.4%

Maximum value of SAR (measured) = 20.3 W/kg



0 dB = 20.3 W/kg