



FCC SAR Test Report

Report No. : FA250504

	N77	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 1	633334	3500.01	16.43	18.00	1.435	-0.06	0.995	1.428
	N77	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 5	DSI 3	633334	3500.01	23.41	25.00	1.442	0.09	0.795	1.146
	N77	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 3	633334	3500.01	23.41	25.00	1.442	0.01	1.120	1.615
	N77	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 5	DSI 1	633334	3500.01	16.39	18.00	1.449	0.1	0.357	0.517
	N77	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 1	633334	3500.01	16.39	18.00	1.449	0.11	1.040	1.507
	N77	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 5	DSI 3	633334	3500.01	23.36	25.00	1.459	-0.05	0.955	1.393
	N77	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 3	633334	3500.01	23.36	25.00	1.459	0.07	1.340	1.955
	N77	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 5	DSI 1	656000	3840	16.62	18.00	1.374	-0.03	0.376	0.517
	N77	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 1	656000	3840	16.62	18.00	1.374	-0.02	1.230	1.690
	N77	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 5	DSI 3	656000	3840	23.62	25.00	1.374	0.09	1.250	1.718
89	N77	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 3	656000	3840	23.62	25.00	1.374	0.01	1.840	2.528
	N77	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 5	DSI 1	656000	3840	16.57	18.00	1.390	-0.14	0.380	0.528
	N77	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 1	656000	3840	16.57	18.00	1.390	0.07	1.270	1.765
	N77	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 5	DSI 3	656000	3840	23.56	25.00	1.393	0.05	1.160	1.616
	N77	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 3	656000	3840	23.56	25.00	1.393	0.01	1.690	2.354
	N77	100M	BPSK	270	0	DFT-30	Top Side	5mm	Ant 5	DSI 3	656000	3840	23.51	25.00	1.409	0.03	1.570	2.213
	N77	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	16.01	17.50	1.409	-0.01	1.050	1.480
	N77	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	20.50	22.00	1.413	0.09	1.310	1.850
	N77	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	15.93	17.50	1.435	0.07	1.130	1.622
	N77	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	20.48	22.00	1.419	0.01	1.440	2.043
	N77	100M	BPSK	270	0	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	20.38	21.50	1.294	0.04	1.380	1.786
	N77	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 1	656000	3840	16.05	17.50	1.396	-0.03	1.010	1.410
	N77	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	656000	3840	20.54	22.00	1.400	0.09	1.270	1.777
	N77	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 1	656000	3840	16.02	17.50	1.406	0.09	1.130	1.589
	N77	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	656000	3840	20.51	22.00	1.409	0.04	1.380	1.945
	N78	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 5	DSI 1	633334	3500.01	16.51	18.00	1.409	0.15	0.331	0.466
	N78	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 1	633334	3500.01	16.51	18.00	1.409	-0.09	1.020	1.437
	N78	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 5	DSI 3	633334	3500.01	23.51	25.00	1.409	0.04	0.815	1.149
	N78	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 3	633334	3500.01	23.51	25.00	1.409	0.09	1.260	1.776
	N78	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 5	DSI 1	633334	3500.01	16.47	18.00	1.422	0.02	0.346	0.492
	N78	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 1	633334	3500.01	16.47	18.00	1.422	-0.13	1.060	1.508
	N78	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 5	DSI 3	633334	3500.01	23.45	25.00	1.429	0.05	0.998	1.426
	N78	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 3	633334	3500.01	23.45	25.00	1.429	0.03	1.360	1.943
	N78	100M	BPSK	1	1	DFT-30	Front	0mm	Ant 5	DSI 1	650000	3750	16.70	18.00	1.349	0.12	0.557	0.751
	N78	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 5	DSI 1	650000	3750	16.70	18.00	1.349	-0.05	0.424	0.572
	N78	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 1	650000	3750	16.70	18.00	1.349	-0.02	1.160	1.565
	N78	100M	BPSK	1	1	DFT-30	Front	5mm	Ant 5	DSI 3	650000	3750	23.70	25.00	1.349	0.09	0.912	1.230
	N78	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 5	DSI 3	650000	3750	23.70	25.00	1.349	0.01	1.220	1.646
	N78	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 3	650000	3750	23.70	25.00	1.349	0.05	1.780	2.401
	N78	100M	BPSK	135	69	DFT-30	Front	0mm	Ant 5	DSI 1	650000	3750	16.67	18.00	1.358	-0.01	0.596	0.810
	N78	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 5	DSI 1	650000	3750	16.67	18.00	1.358	0.14	0.438	0.595
	N78	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 1	650000	3750	16.67	18.00	1.358	0.06	1.210	1.644
	N78	100M	BPSK	135	69	DFT-30	Front	5mm	Ant 5	DSI 3	650000	3750	23.68	25.00	1.355	-0.09	0.964	1.306
	N78	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 5	DSI 3	650000	3750	23.68	25.00	1.355	0.05	1.350	1.830
90	N78	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 3	650000	3750	23.68	25.00	1.355	0.08	1.890	2.561
	N78	100M	BPSK	270	0	DFT-30	Top Side	5mm	Ant 5	DSI 3	650000	3750	23.66	25.00	1.361	0.03	1.760	2.396
	N78	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	16.01	17.50	1.409	0.04	0.851	1.199
	N78	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	19.03	20.50	1.403	0.04	0.776	1.089
	N78	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	15.94	17.50	1.432	0.09	0.891	1.276
	N78	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	18.94	20.50	1.432	0.08	0.874	1.252
	N78	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 1	650000	3750	16.21	17.50	1.346	0.13	1.010	1.359
	N78	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	650000	3750	19.18	20.50	1.355	0.06	0.895	1.213
	N78	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 1	650000	3750	16.16	17.50	1.361	0.09	1.100	1.498
	N78	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	650000	3750	19.14	20.50	1.368	0.01	0.998	1.365



Inter-band CA & EN-DC NR Main PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
1750MHZ																		
	N66_Main PA	40M	BPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 1	349000	1745	19.06	20.00	1.242	-0.02	0.973	1.208
	N66_Main PA	40M	BPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	349000	1745	22.07	23.00	1.239	0.01	0.933	1.156
	N66_Main PA	40M	BPSK	108	54	DFT-15	Top Side	0mm	Ant 1	DSI 1	349000	1745	19.01	20.00	1.256	0.09	1.030	1.294
	N66_Main PA	40M	BPSK	108	54	DFT-15	Top Side	5mm	Ant 1	DSI 3	349000	1745	22.04	23.00	1.247	0.01	0.919	1.146
2600MHZ																		
	N41_Main PA	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 1	DSI 1	518598	2592.99	19.12	20.00	1.225	0.14	0.960	1.176
	N41_Main PA	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	24.13	25.00	1.222	-0.08	0.909	1.111
	N41_Main PA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 1	DSI 1	518598	2592.99	19.05	20.00	1.245	0.09	1.020	1.269
	N41_Main PA	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	24.12	25.00	1.225	0.01	0.952	1.166
3500-3900MHZ																		
	N77_Main PA	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 1	633334	3500.01	15.43	17.00	1.435	0.15	0.790	1.134
	N77_Main PA	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 3	633334	3500.01	21.44	23.00	1.432	0.01	0.675	0.967
	N77_Main PA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 1	633334	3500.01	15.39	17.00	1.449	0.15	0.826	1.197
	N77_Main PA	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 3	633334	3500.01	21.41	23.00	1.442	0.07	0.709	1.022
	N77_Main PA	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 1	656000	3840	15.60	17.00	1.380	-0.06	0.977	1.349
	N77_Main PA	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 3	656000	3840	21.64	23.00	1.368	0.01	0.926	1.267
	N77_Main PA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 1	656000	3840	15.57	17.00	1.390	0.07	1.000	1.390
	N77_Main PA	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 3	656000	3840	21.60	23.00	1.380	0.01	0.973	1.343
	N77_Main PA	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	15.04	16.50	1.400	0.14	0.834	1.167
	N77_Main PA	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	17.53	19.00	1.403	0.09	0.657	0.922
	N77_Main PA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	14.98	16.50	1.419	0.08	0.898	1.274
	N77_Main PA	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	17.46	19.00	1.426	0.01	0.722	1.029
	N77_Main PA	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 1	656000	3840	15.05	16.50	1.396	0.01	0.802	1.120
	N77_Main PA	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	656000	3840	17.55	19.00	1.396	0.09	0.637	0.889
	N77_Main PA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 1	656000	3840	15.04	16.50	1.400	0.15	0.898	1.257
	N77_Main PA	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	656000	3840	17.53	19.00	1.403	0.04	0.692	0.971
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 1	650000	3750	15.54	17.00	1.400	0.16	0.921	1.289
	N78_Main PA	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 3	650000	3750	20.58	22.00	1.387	0.05	0.892	1.237
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 1	650000	3750	15.53	17.00	1.403	0.14	0.961	1.348
	N78_Main PA	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 3	650000	3750	20.54	22.00	1.400	0.08	0.947	1.325
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	15.52	17.00	1.406	-0.09	0.758	1.066
	N78_Main PA	100M	BPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	18.02	19.50	1.406	0.04	0.616	0.866
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 7	DSI 1	633334	3500.01	15.50	17.00	1.413	0.15	0.794	1.122
	N78_Main PA	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	17.95	19.50	1.429	0.08	0.694	0.992



Inter-band CA & EN-DC NR Other PA

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
2600MHZ																		
	N7_Other PA	50M	BPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 1	507000	2535	17.05	18.50	1.396	-0.03	0.934	1.304
	N7_Other PA	50M	BPSK	1	1	DFT-15	Top Side	5mm	Ant 1	DSI 3	507000	2535	22.54	24.00	1.400	0.15	0.897	1.255
	N7_Other PA	50M	BPSK	135	68	DFT-15	Top Side	0mm	Ant 1	DSI 1	507000	2535	16.99	18.50	1.416	-0.1	0.963	1.363
	N7_Other PA	50M	BPSK	135	68	DFT-15	Top Side	5mm	Ant 1	DSI 3	507000	2535	22.51	24.00	1.409	0.1	0.919	1.295
	N7_Other PA	50M	BPSK	1	1	DFT-15	Back	0mm	Ant 2	DSI 1	507000	2535	18.15	19.00	1.216	-0.03	1.060	1.289
	N7_Other PA	50M	BPSK	1	1	DFT-15	Bottom Side	0mm	Ant 2	DSI 1	507000	2535	18.15	19.00	1.216	-0.06	0.531	0.646
	N7_Other PA	50M	BPSK	1	1	DFT-15	Back	15mm	Ant 2	DSI 3	507000	2535	23.15	24.00	1.216	0.14	0.189	0.230
	N7_Other PA	50M	BPSK	1	1	DFT-15	Bottom Side	15mm	Ant 2	DSI 3	507000	2535	23.15	24.00	1.216	0.06	0.212	0.258
91	N7_Other PA	50M	BPSK	135	68	DFT-15	Back	0mm	Ant 2	DSI 1	507000	2535	18.08	19.00	1.236	-0.03	1.120	1.384
	N7_Other PA	50M	BPSK	135	68	DFT-15	Bottom Side	0mm	Ant 2	DSI 1	507000	2535	18.08	19.00	1.236	-0.04	0.564	0.697
	N7_Other PA	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 2	DSI 3	507000	2535	23.12	24.00	1.225	0.09	0.202	0.247
	N7_Other PA	50M	BPSK	135	68	DFT-15	Bottom Side	15mm	Ant 2	DSI 3	507000	2535	23.12	24.00	1.225	0.02	0.234	0.287
	N38_Other PA	40M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 1	DSI 1	519000	2595	17.96	19.50	1.426	-0.1	0.954	1.360
92	N38_Other PA	40M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 1	DSI 3	519000	2595	23.45	25.00	1.429	0.01	1.320	1.886
	N38_Other PA	40M	BPSK	50	28	DFT-30	Top Side	0mm	Ant 1	DSI 1	519000	2595	17.87	19.50	1.455	-0.09	0.901	1.311
	N38_Other PA	40M	BPSK	50	28	DFT-30	Top Side	5mm	Ant 1	DSI 3	519000	2595	23.22	25.00	1.507	0.12	1.190	1.793
	N41_Other PA	100M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 1	DSI 1	518598	2592.99	17.27	18.50	1.327	-0.14	1.020	1.354
93	N41_Other PA	100M	BPSK	1	1	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	23.73	25.00	1.340	-0.02	1.560	2.090
	N41_Other PA	100M	BPSK	270	0	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	23.40	24.50	1.288	-0.01	1.480	1.907
	N41_Other PA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 1	DSI 1	518598	2592.99	17.22	18.50	1.343	0.02	0.961	1.290
	N41_Other PA	100M	BPSK	135	69	DFT-30	Top Side	5mm	Ant 1	DSI 3	518598	2592.99	23.71	25.00	1.346	-0.04	1.530	2.059
	N41_Other PA	100M	BPSK	1	1	DFT-30	Back	0mm	Ant 2	DSI 1	518598	2592.99	18.18	19.20	1.265	-0.15	1.090	1.379
	N41_Other PA	100M	BPSK	1	1	DFT-30	Bottom Side	0mm	Ant 2	DSI 1	518598	2592.99	18.18	19.20	1.265	-0.07	0.620	0.784
	N41_Other PA	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 2	DSI 3	518598	2592.99	23.19	24.20	1.262	0.04	0.214	0.270
	N41_Other PA	100M	BPSK	1	1	DFT-30	Bottom Side	15mm	Ant 2	DSI 3	518598	2592.99	23.19	24.20	1.262	-0.16	0.223	0.281
	N41_Other PA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 2	DSI 1	518598	2592.99	18.16	19.20	1.271	0.08	0.994	1.263
	N41_Other PA	100M	BPSK	135	69	DFT-30	Bottom Side	0mm	Ant 2	DSI 1	518598	2592.99	18.16	19.20	1.271	-0.16	0.596	0.757
	N41_Other PA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 3	518598	2592.99	23.17	24.20	1.268	-0.01	0.216	0.274
	N41_Other PA	100M	BPSK	135	69	DFT-30	Bottom Side	15mm	Ant 2	DSI 3	518598	2592.99	23.17	24.20	1.268	0.12	0.242	0.307

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
5250-5750MHZ																
	WLAN 5.3GHz	802.11a 6Mbps	Front	0mm	Ant 17+18	full	56	5280	20.76	21.50	1.185	97.22	1.029	-0.1	0.896	1.093
	WLAN 5.3GHz	802.11a 6Mbps	Back	0mm	Ant 17+18	full	56	5280	20.76	21.50	1.185	97.22	1.029	0.03	0.661	0.806
	WLAN 5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 17+18	full	56	5280	20.76	21.50	1.185	97.22	1.029	0.13	0.039	0.048
94	WLAN 5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 17+18	full	56	5280	20.76	21.50	1.185	97.22	1.029	-0.04	1.390	1.695
	WLAN 5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 17+18	full	56	5280	20.76	21.50	1.185	97.22	1.029	-0.07	1.050	1.280
	WLAN 5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 17+18	simultaneous	54	5270	18.91	19.50	1.146	94.2	1.062	0.14	0.565	0.687
	WLAN 5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 17+18	simultaneous	54	5270	18.91	19.50	1.146	94.2	1.062	-0.01	0.417	0.507
	WLAN 5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 17+18	simultaneous	54	5270	18.91	19.50	1.146	94.2	1.062	0.02	0.029	0.035
	WLAN 5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 17+18	simultaneous	54	5270	18.91	19.50	1.146	94.2	1.062	0.09	0.879	1.069
	WLAN 5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 17+18	simultaneous	54	5270	18.91	19.50	1.146	94.2	1.062	0.05	0.663	0.807
	WLAN 5.3GHz	802.11n-HT40 MCS0	Top Side	5mm	Ant 17+18	simultaneous	54	5270	18.91	19.50	1.146	94.2	1.062	0.01	0.168	0.204
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 17+18	full	138	5690	16.61	17.50	1.227	86.49	1.156	0.16	0.318	0.451
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 17+18	full	138	5690	16.61	17.50	1.227	86.49	1.156	0.12	0.277	0.393
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 17+18	full	138	5690	16.61	17.50	1.227	86.49	1.156	0.03	0.024	0.034
95	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 17+18	full	138	5690	16.61	17.50	1.227	86.49	1.156	0.05	0.635	0.901
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 17+18	full	138	5690	16.61	17.50	1.227	86.49	1.156	0.02	0.386	0.548
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 17+18	full	138	5690	16.61	17.50	1.227	86.49	1.156	0.01	0.105	0.149



15.5 Repeated SAR Measurement

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	N7	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 1	DSI 0	507000	2535	19.06	20.00	1.242	-	-	0.02	0.864	1	1.073
2nd	N7	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 1	DSI 0	507000	2535	19.06	20.00	1.242	-	-	0.01	0.853	1.013	1.059
1st	WLAN 2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 16+18	Standalone	1	2412	19.31	20.00	1.172	99.53	1.005	-0.12	0.894	1	1.053
2nd	WLAN 2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 16+18	Standalone	1	2412	19.31	20.00	1.172	99.53	1.005	0.11	0.885	1.010	1.042
1st	WLAN5.3GHz	-	-	-	-	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 17+18	Standalone	54	5270	17.51	18.00	1.119	94.2	1.062	-0.07	0.802	1	0.953
2nd	WLAN5.3GHz	-	-	-	-	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 17+18	Standalone	54	5270	17.51	18.00	1.119	94.2	1.062	-0.05	0.791	1.014	0.940
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 4	1513	1752.6	21.76	22.50	1.186	-	-	0.06	0.915	1	1.085
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 2	DSI 4	1513	1752.6	21.76	22.50	1.186	-	-	0.01	0.903	1.013	1.071
1st	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 3	650000	3750	23.68	25.00	1.355	-	-	-0.09	0.803	1	1.088
2nd	N78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 3	650000	3750	23.68	25.00	1.355	-	-	-0.07	0.796	1.009	1.079

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
3. The ratio is the difference in percentage between original and repeated *measured SAR*.
4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

16. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product Specific
1.	WWAN + 2.4GHz WLAN SISO/MIMO	Yes	Yes	Yes	Yes
2.	WWAN + 5GHz WLAN SISO/MIMO	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	2.4GHz WLAN SISO(Ant.18) + Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + 2.4GHz WLAN SISO(Ant.18) + Bluetooth	Yes	Yes	Yes	Yes
6.	5GHz WLAN SISO(Ant.17) + Bluetooth	Yes	Yes	Yes	Yes
7.	WWAN + 5GHz WLAN SISO(Ant.17) + Bluetooth	Yes	Yes	Yes	Yes
8.	WLAN2.4GHz SISO (Ant.16) +WLAN5GHz SISO (Ant.18)	Yes	Yes	Yes	Yes
9.	WWAN+WLAN2.4GHz SISO (Ant.16) +WLAN5GHz SISO (Ant.18)	Yes	Yes	Yes	Yes

General Note:

1. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. WWAN above includes 5G NR bands and EN-DC combination.
3. EN-DC SAR summed the standalone 5G NR SAR and LTE standalone SAR more conservatively.
4. EUT will choose each GSM, WCDMA, LTE and 5G NR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
5. EUT will choose either WLAN 2.4GHz MIMO or WLAN 5GHz MIMO according to the network signal condition; therefore, 2.4GHz WLAN MIMO and 5GHz WLAN MIMO will not operate simultaneously at any moment.
6. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
7. This device 2.4GHz WLAN/ 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
8. WLAN2.4GHz SISO (Ant.16) and Bluetooth share the same antenna so can't transmit simultaneously.
9. According to the characteristic of EUT, WLAN5GHz SISO (Ant.18) and Bluetooth can't transmit simultaneously, WLAN2.4GHz SISO (Ant.18)/WLAN5GHz SISO (Ant.17) and Bluetooth can transmit simultaneously.
10. According to the characteristic of EUT, WLAN2.4GHz SISO (Ant.18) and WLAN5GHz SISO (Ant.17) can't transmit simultaneously, WLAN2.4GHz SISO (Ant.16) and WLAN5GHz SISO (Ant.18) can transmit simultaneously.
11. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
12. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
13. For standalone WWAN, always choose the highest SAR among all WWAN bands for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
14. When EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the LTE bands within all antennas per each test position and also the worst SAR of the 5G NR bands within all antennas to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5G NR bands.
15. When inter-band UL CA SAR co-located with WLAN/Bluetooth, chose the worst SAR among the same LTE/NR bands within all antennas per each test position to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE/NR bands.
16. Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
17. The reported SAR summation is calculated based on the same configuration and test position.
18. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

16.1 Head Exposure Conditions

WWAN Band	Exposure Position	1	3	4	5	1+3+5	1+4+5	1+3+4
		WWAN	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN All Bands	Right Cheek	1.093	0.125	0.108	0.139	1.36	1.34	1.33
	Right Tilted	0.938	0.111	0.103	0.152	1.20	1.19	1.15
	Left Cheek	0.959	0.250	0.294	0.235	1.44	1.49	1.50
	Left Tilted	1.022	0.170	0.201	0.215	1.41	1.44	1.39

<Inter UL CA Mode>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5	1+2+3+4
			WWAN	WWAN	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN All Bands	WWAN All Bands	Right Cheek	0.547	0.526	0.125	0.108	0.139	1.34	1.32	1.31
		Right Tilted	0.519	0.488	0.111	0.103	0.152	1.27	1.26	1.22
		Left Cheek	0.503	0.529	0.250	0.294	0.235	1.52	1.56	1.58
		Left Tilted	0.356	0.547	0.170	0.201	0.215	1.29	1.32	1.27

<EN-DC Mode>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5	1+2+3+4
			LTE	FR1	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All LTE bands	All NR bands	Right Cheek	0.548	0.547	0.125	0.108	0.139	1.36	1.34	1.33
		Right Tilted	0.488	0.453	0.111	0.103	0.152	1.20	1.20	1.16
		Left Cheek	0.439	0.529	0.250	0.294	0.235	1.45	1.50	1.51
		Left Tilted	0.349	0.547	0.170	0.201	0.215	1.28	1.31	1.27

16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	4	5	1+3+5	1+4+5	1+3+4
		WWAN	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN All Bands	Front	0.566	0.148	0.182	0.090	0.80	0.84	0.90
	Back	0.687	0.222	0.285	0.113	1.02	1.09	1.19
	Left side	0.660	0.041	0.037	0.020	0.72	0.72	0.74
	Right side	0.447	0.195	0.233	0.047	0.69	0.73	0.88
	Top side	0.565	0.262	0.216	0.166	0.99	0.95	1.04
	Bottom side	1.085				1.09	1.09	1.09

<Inter UL CA Mode>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5	1+2+3+4
			WWAN	WWAN	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN All Bands	WWAN All Bands	Front	0.418	0.216	0.148	0.182	0.090	0.87	0.91	0.96
		Back	0.453	0.433	0.222	0.285	0.113	1.22	1.28	1.39
		Left side	0.508	0.486	0.041	0.037	0.020	1.06	1.05	1.07
		Right side	0.307	0.388	0.195	0.233	0.047	0.94	0.98	1.12
		Top side	0.549	0.546	0.262	0.216	0.166	1.52	1.48	1.57
		Bottom side	0.550	0.525				1.08	1.08	1.08

<EN-DC Mode>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5	1+2+3+4
			LTE	FR1	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All LTE bands	All NR bands	Front	0.453	0.418	0.148	0.182	0.090	1.11	1.14	1.20
		Back	0.526	0.507	0.222	0.285	0.113	1.37	1.43	1.54
		Left side	0.520	0.503	0.041	0.037	0.020	1.08	1.08	1.10
		Right side	0.459	0.447	0.195	0.233	0.047	1.15	1.19	1.33
		Top side	0.481	0.546	0.262	0.216	0.166	1.46	1.41	1.51
		Bottom side	0.525	0.550				1.08	1.08	1.08

16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	3	4	5	1+3+5	1+4+5	1+3+4
		WWAN	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN All Bands	Front	0.676	0.258	0.146	0.052	0.99	0.87	1.08
	Back	1.093	0.266	0.232	0.061	1.42	1.39	1.59

<Inter UL CA Mode>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5	1+2+3+4
			WWAN	WWAN	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN All Bands	WWAN All Bands	Front	0.413	0.368	0.258	0.146	0.052	1.09	0.98	1.19
		Back	0.549	0.542	0.266	0.232	0.061	1.42	1.38	1.59

<EN-DC Mode>

WWAN Band		Exposure Position	1	2	3	4	5	1+2+3+5	1+2+4+5	1+2+3+4
			LTE	FR1	WLAN2.4GHz Ant 16+18	WLAN5GHz Ant 17+18	Bluetooth Ant 16	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All LTE bands	All NR bands	Front	0.390	0.413	0.258	0.146	0.052	1.11	1.00	1.21
		Back	0.549	0.542	0.266	0.232	0.061	1.42	1.38	1.59

16.4 Product specific 10g SAR Exposure Conditions

Remark:

1. For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	1	3	1+3
		WWAN	WLAN5GHz Ant 17+18	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
WWAN All Bands	Front	1.621	0.687	2.31
	Back	2.448	0.507	2.96
	Left side	2.573	0.035	2.61
	Right side		1.069	1.07
	Top side	2.561	0.807	3.37
	Bottom side	2.571		2.57

<Inter UL CA Mode>

WWAN Band		Exposure Position	1	2	3	1+2+3
			WWAN	WWAN	WLAN5GHz Ant 17+18	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
WWAN All Bands	WWAN All Bands	Front			0.687	0.69
		Back	1.384	1.274	0.507	3.17
		Left side	1.272		0.035	1.31
		Right side			1.069	1.07
		Top side	1.363	1.390	0.807	3.56
		Bottom side	1.391			1.39

<Inter UL CA Sensor Off Mode>

WWAN Band		Exposure Position	1	2	3	1+2+3
			WWAN	WWAN	WLAN5GHz Ant 17+18	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
Inter-band CA	WWAN All Bands	Front			0.687	0.69
		Back	1.384	1.274	0.507	3.17
		Left side	1.272		0.035	1.31
		Right side			1.069	1.07
		Top side	2.090	1.390	0.204	3.68
		Bottom side	1.391			1.39

<EN-DC Mode>

WWAN Band		Exposure Position	1	2	3	1+2+3
			LTE	FR1	WLAN5GHz Ant 17+18	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
All LTE bands	All NR bands	Front	0.925		0.687	1.61
		Back	1.363	1.384	0.507	3.25
		Left side	1.385		0.035	1.42
		Right side			1.069	1.07
		Top side	1.400	1.390	0.807	3.60
		Bottom side	1.352	0.784		2.14

Test Engineer : Hank Huang, Kevin Xu, David Dai, Bin He

17. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

18. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [8] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [9] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [10] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [11] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [12] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [13] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [14] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

-----THE END-----



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_750MHz

DUT: D750V3-SN:1099

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750_220520 Medium parameters used: $f = 750$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 40.957$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(10.56, 10.56, 10.56); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 2.63 W/kg

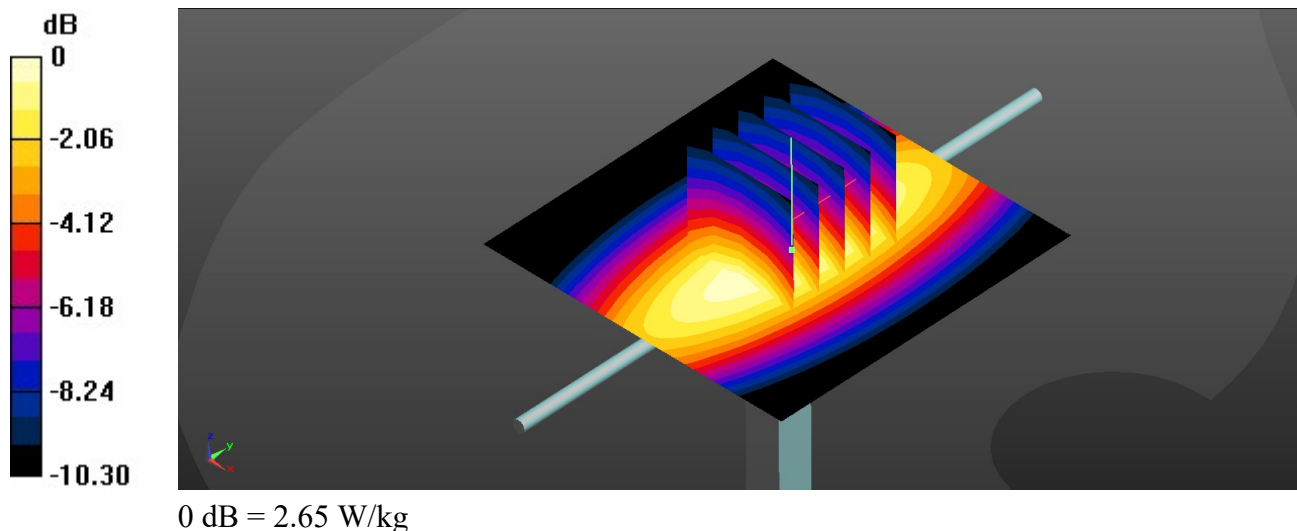
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 56.22 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.39 W/kg

Maximum value of SAR (measured) = 2.65 W/kg



System Check_750MHz

DUT: D750V3-SN:1099

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750_220601 Medium parameters used: $f = 750$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 41.563$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(10.56, 10.56, 10.56); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 2.75 W/kg

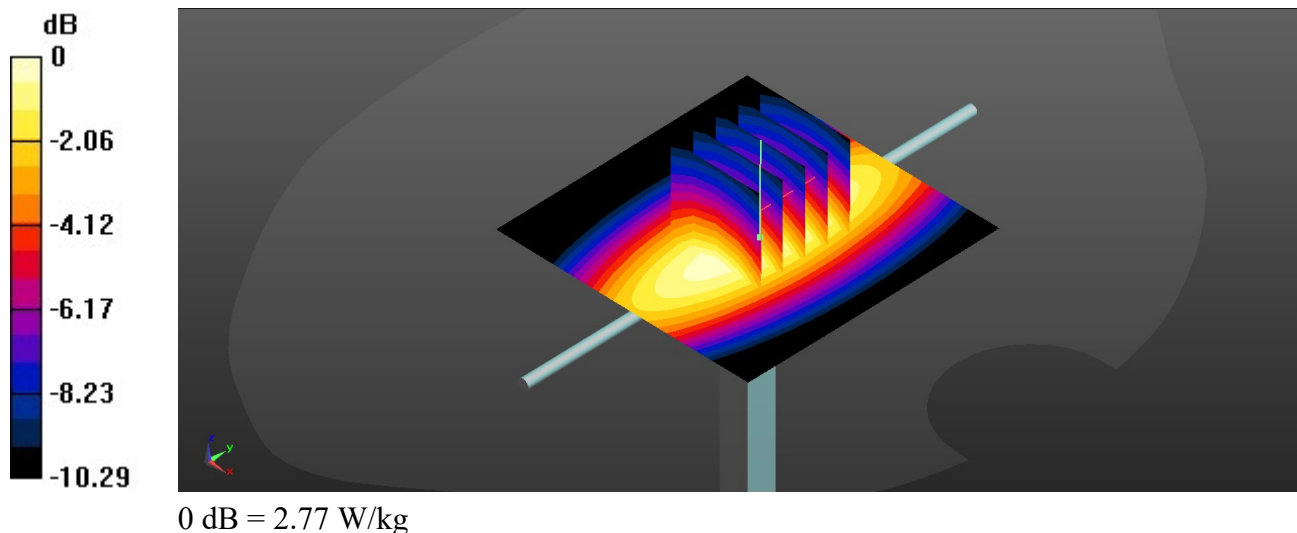
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 56.22 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.77 W/kg



System Check_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220523 Medium parameters used: $f = 835$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 40.527$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(10.12, 10.12, 10.12); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 3.05 W/kg

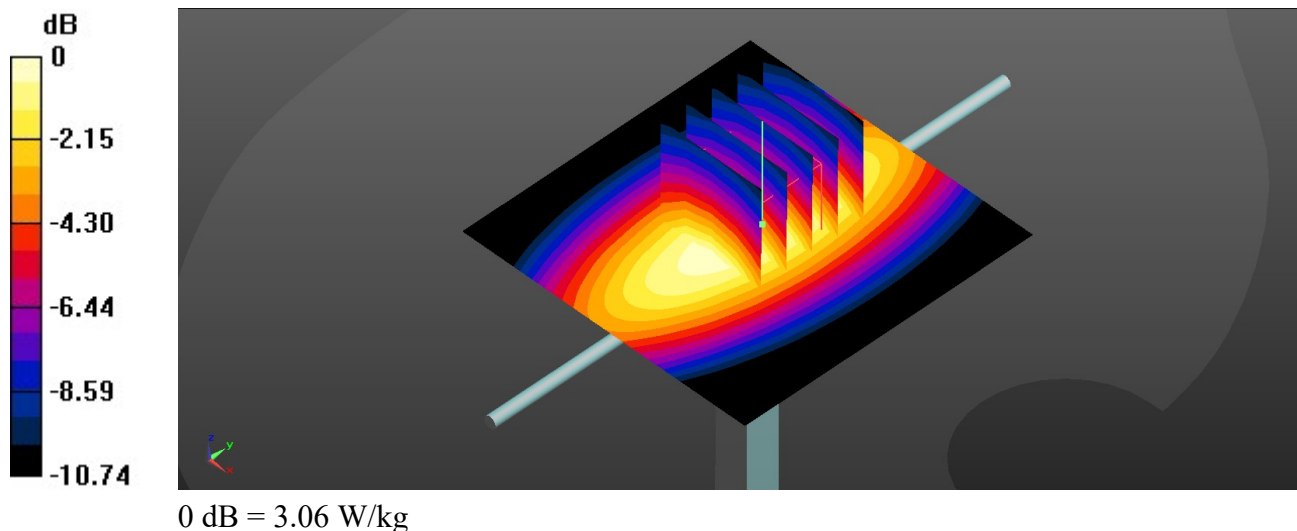
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 63.36 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 3.06 W/kg



System Check_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220603 Medium parameters used: $f = 835$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 42.207$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(10.12, 10.12, 10.12); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 3.16 W/kg

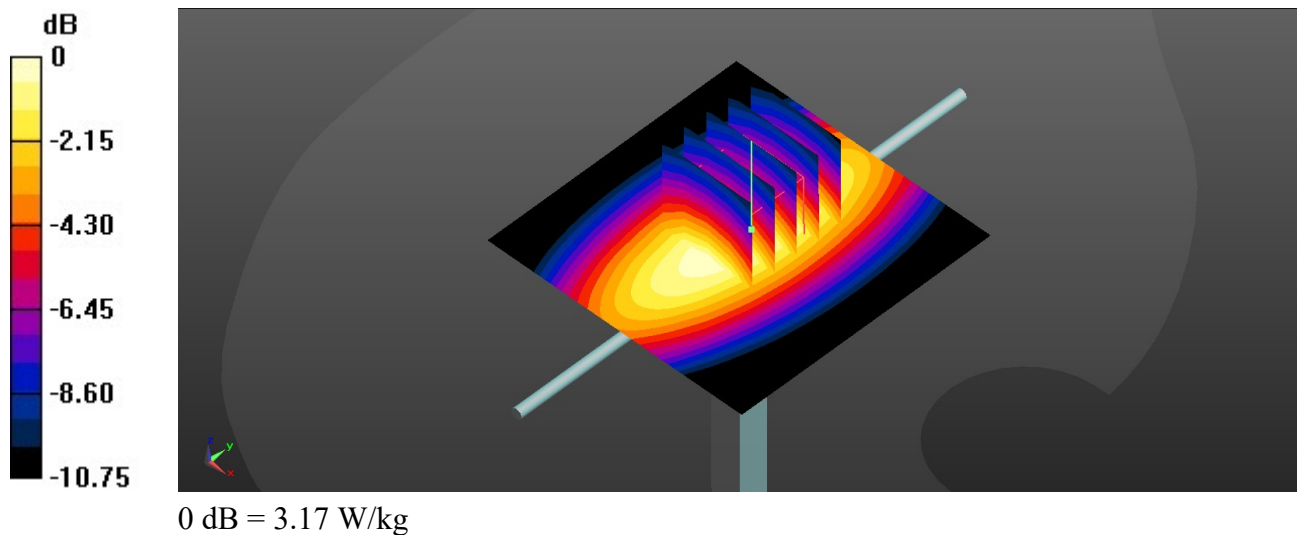
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 63.36 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.59 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.56 W/kg

Maximum value of SAR (measured) = 3.17 W/kg



System Check_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220612 Medium parameters used: $f = 835$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 42.91$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(10.12, 10.12, 10.12); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 3.24 W/kg

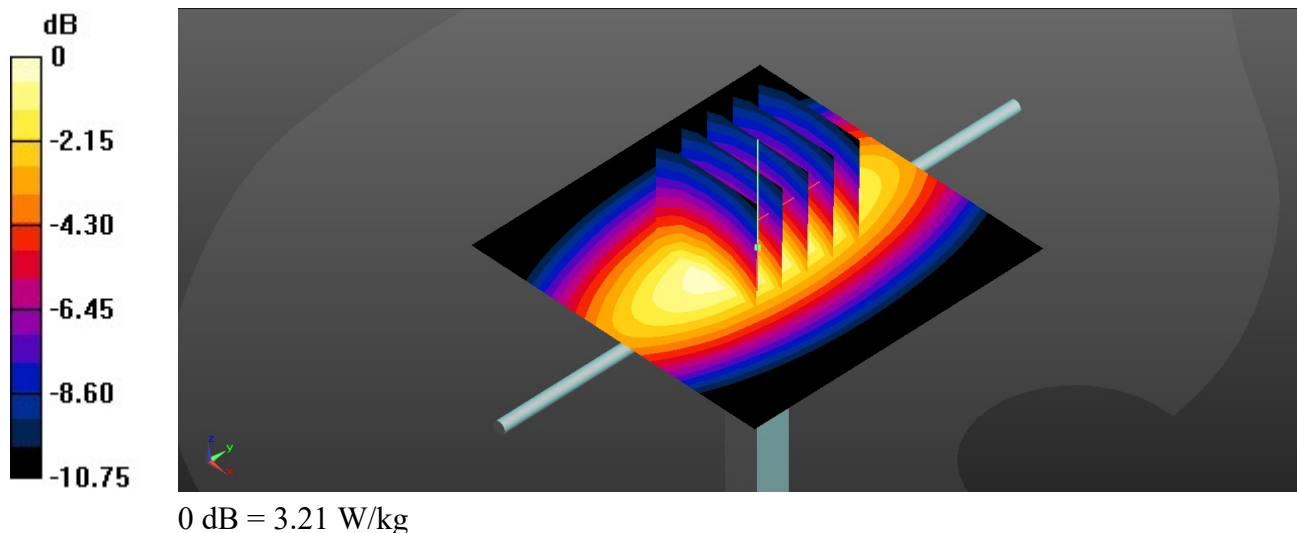
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 62.99 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.62 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 3.21 W/kg



System Check_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220521 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 41.34$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.83, 8.83, 8.83); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 14.2 W/kg

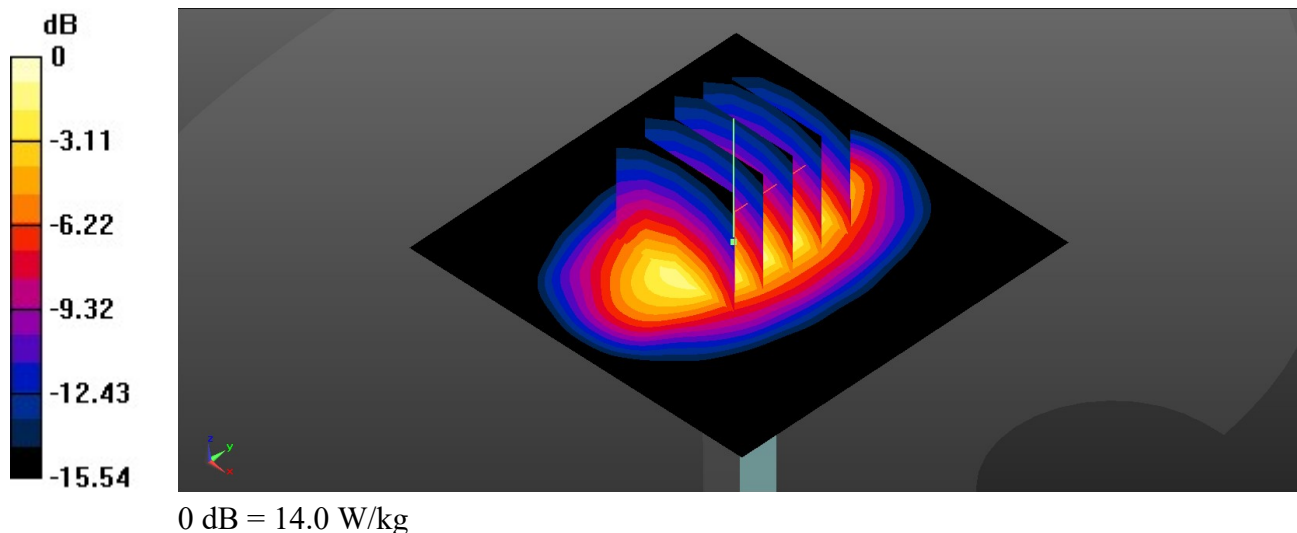
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 102.1 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 9.13 W/kg; SAR(10 g) = 4.85 W/kg

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



System Check_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220604 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.356$ S/m; $\epsilon_r = 41.842$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.83, 8.83, 8.83); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

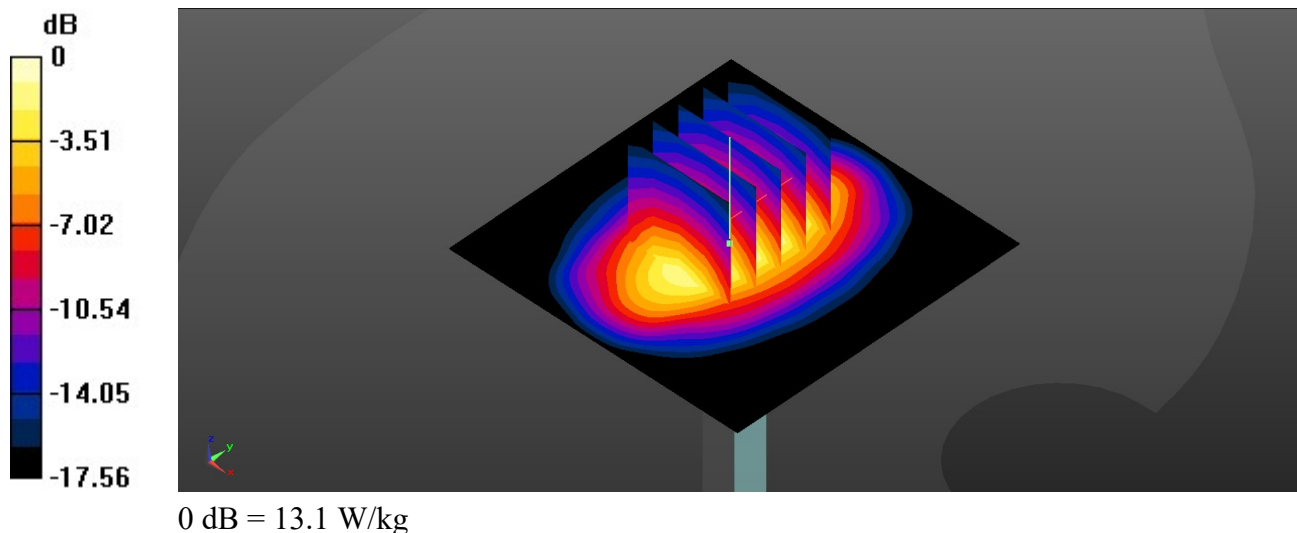
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 102.1 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 8.52 W/kg; SAR(10 g) = 4.53 W/kg

Maximum value of SAR (measured) = 13.1 W/kg



System Check_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220610 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 40.838$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.83, 8.83, 8.83); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 14.2 W/kg

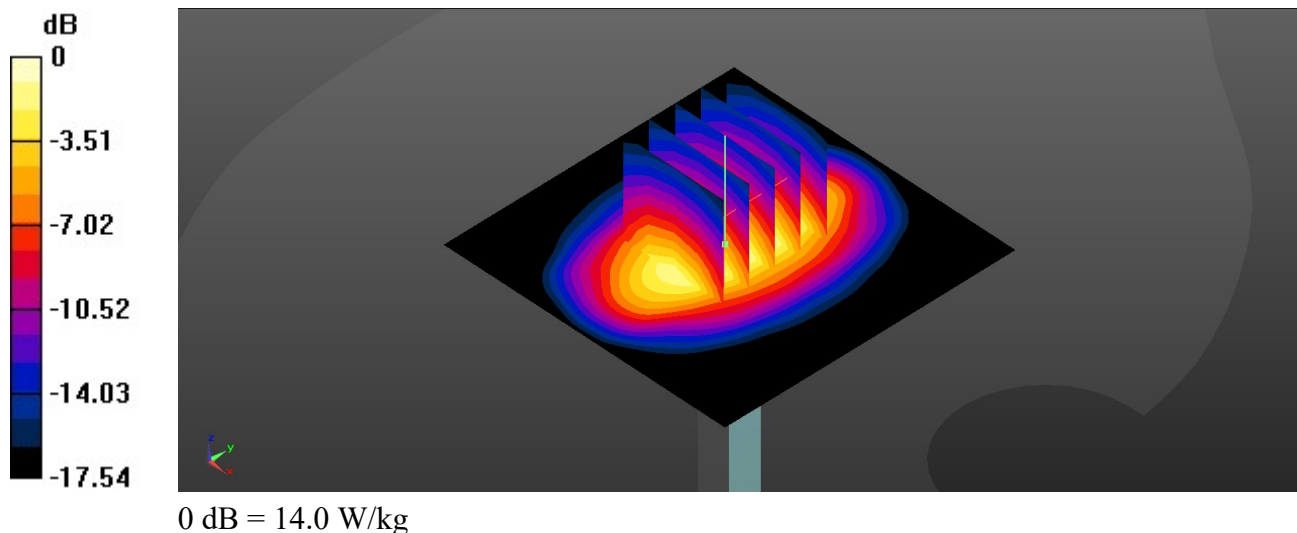
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 102.1 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 9.13 W/kg; SAR(10 g) = 4.85 W/kg

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



System Check_1900MHz

DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900_220524 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 38.99$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.48, 8.48, 8.48); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 15.8 W/kg

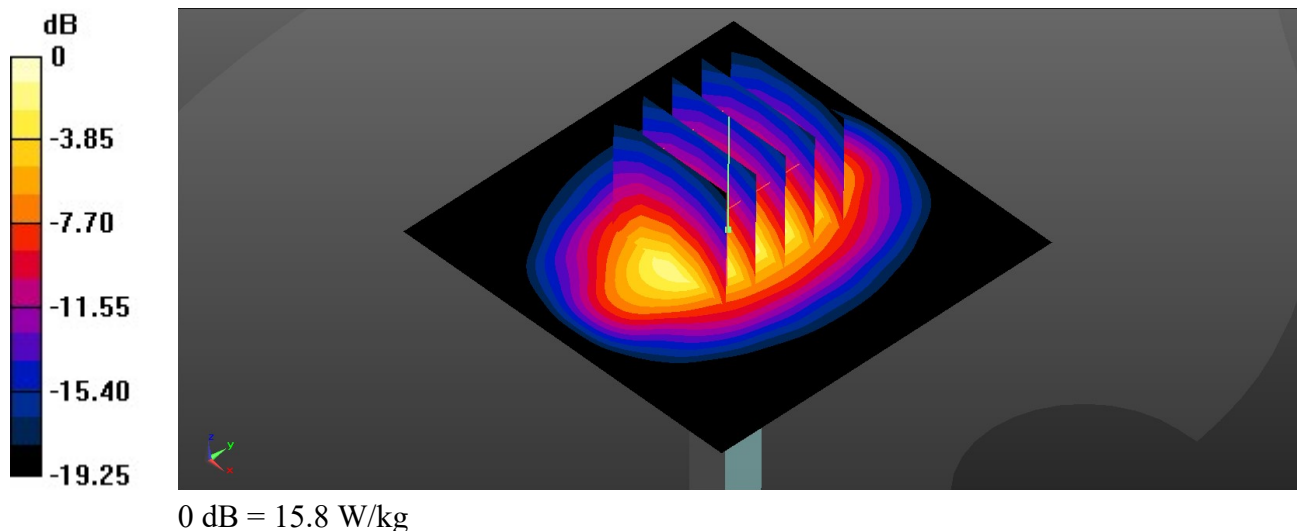
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 108.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 9.86 W/kg; SAR(10 g) = 5 W/kg

Maximum value of SAR (measured) = 15.8 W/kg



System Check_1900MHz

DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900_220605 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.455$ S/m; $\epsilon_r = 39.186$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.48, 8.48, 8.48); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 16.1 W/kg

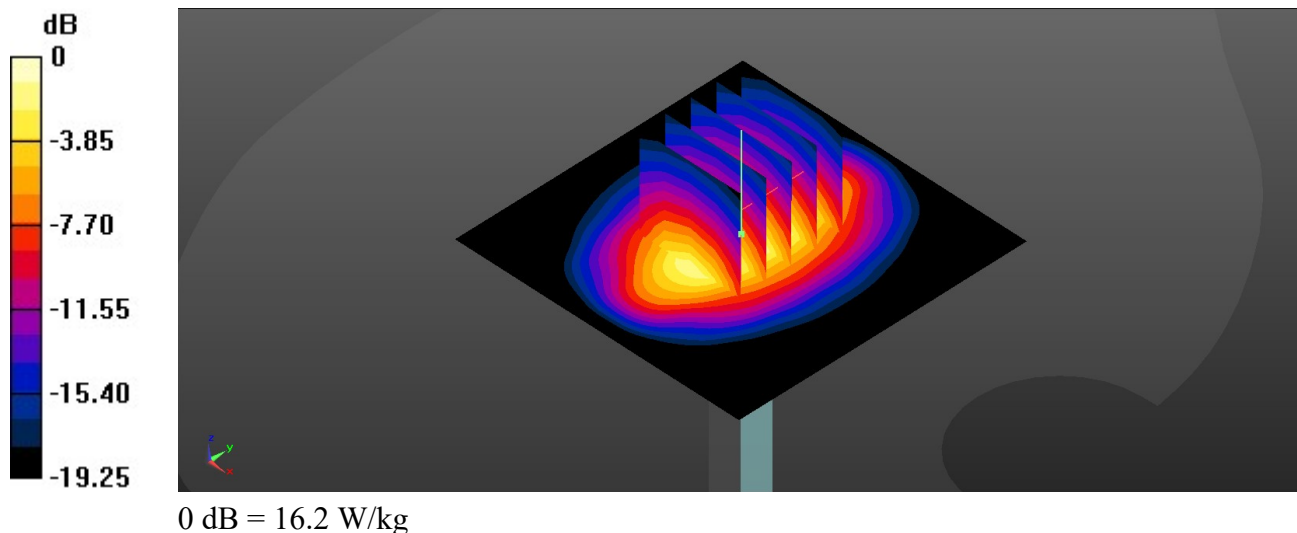
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 108.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 19.8 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.12 W/kg

Maximum value of SAR (measured) = 16.2 W/kg



System Check_1900MHz

DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900_220611 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 40.597$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.48, 8.48, 8.48); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 15.6 W/kg

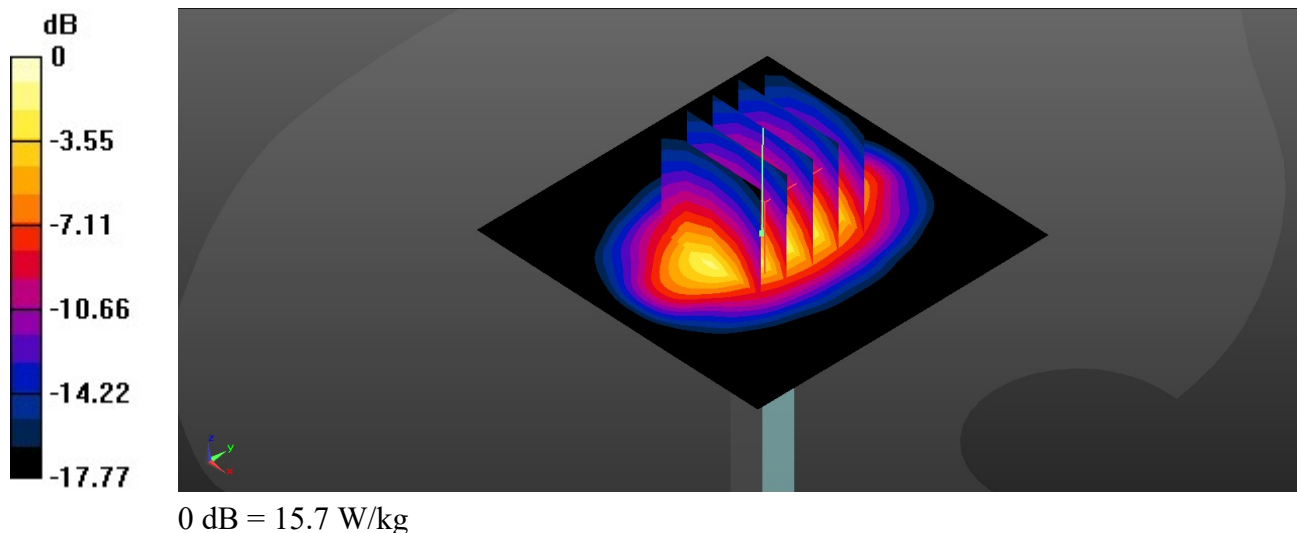
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 107.6 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 9.99 W/kg; SAR(10 g) = 5.17 W/kg

Maximum value of SAR (measured) = 15.7 W/kg



System Check_2450MHz

DUT: D2450V2-SN:924

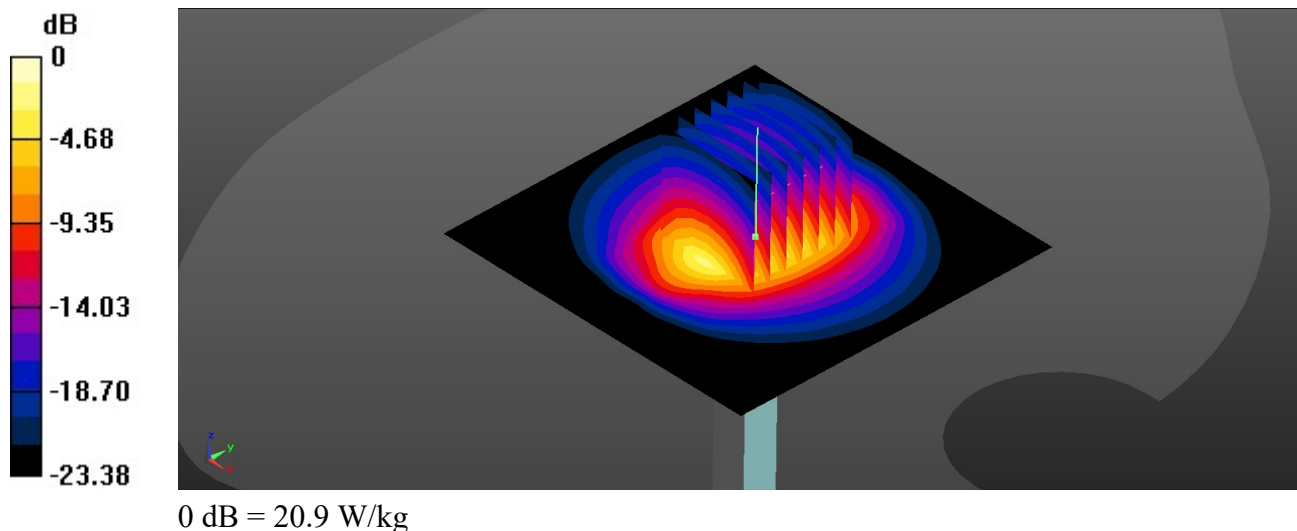
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: HSL_2450_220528 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.821$ S/m;
 $\epsilon_r = 39.682$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(7.63, 7.63, 7.63); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 21.1 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 109.9 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 26.9 W/kg
SAR(1 g) = 11.9 W/kg; SAR(10 g) = 6.35 W/kg
Maximum value of SAR (measured) = 20.9 W/kg



System Check_2450MHz

DUT: D2450V2-SN:924

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL_2450_220607 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.809$ S/m; $\epsilon_r = 39.716$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(7.63, 7.63, 7.63); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 21.1 W/kg

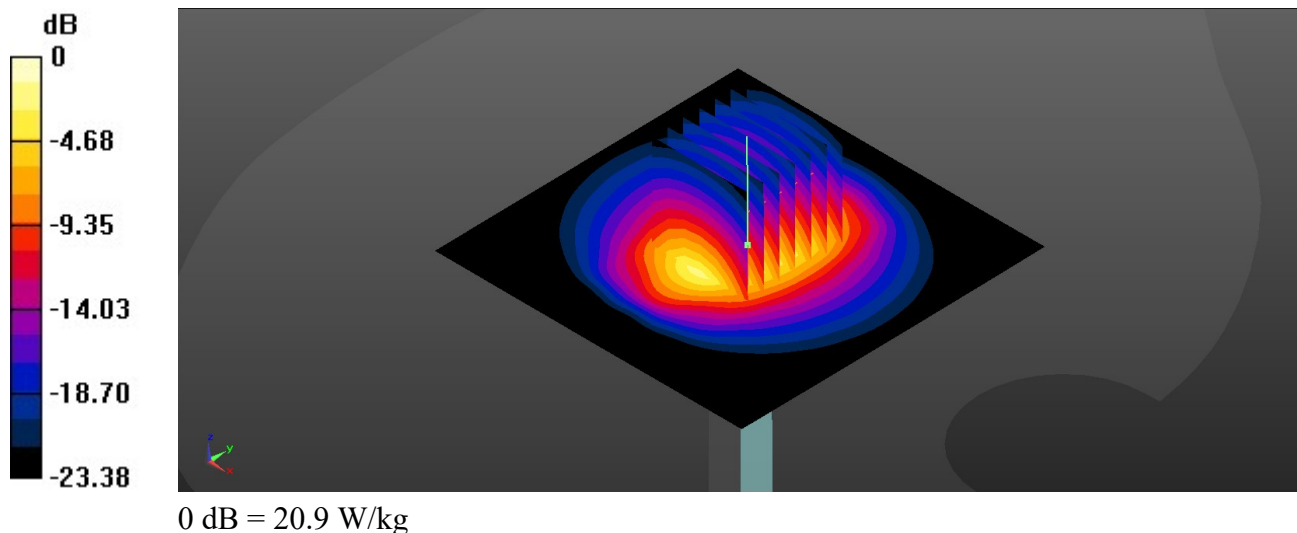
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 109.9 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.6 W/kg

Maximum value of SAR (measured) = 20.9 W/kg



System Check_2600MHz

DUT: D2600V2-SN:1070

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600_220522 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.039$ S/m; $\epsilon_r = 37.491$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(7.33, 7.33, 7.33); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 24.9 W/kg

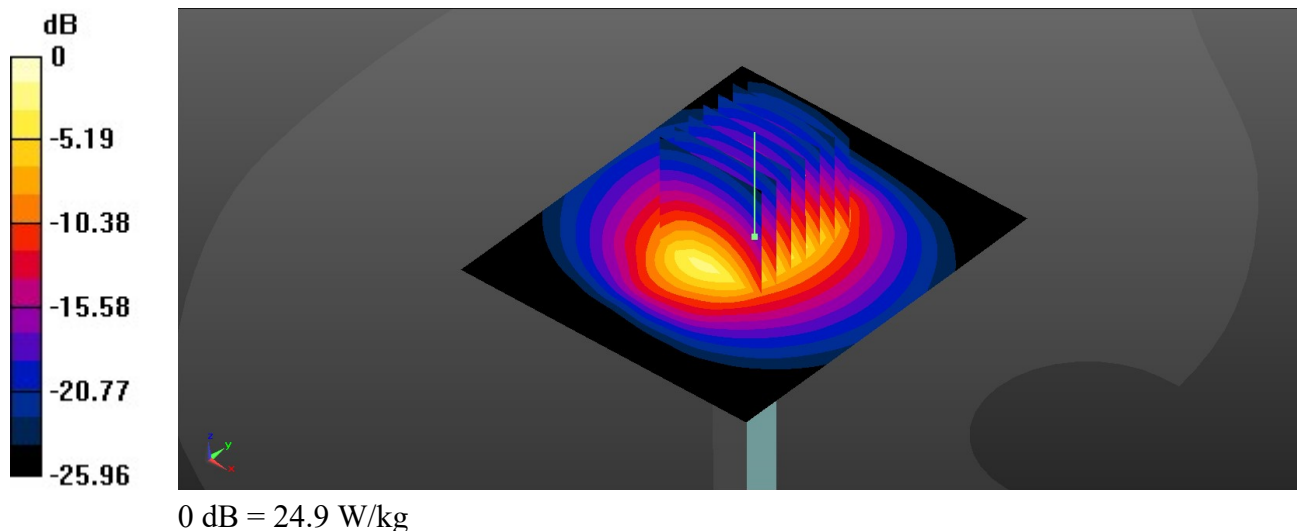
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 113.3 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 13.8 W/kg; SAR(10 g) = 5.97 W/kg

Maximum value of SAR (measured) = 24.8 W/kg



System Check_2600MHz

DUT: D2600V2-SN:1070

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600_220609 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 38.617$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(7.33, 7.33, 7.33); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 24.0 W/kg

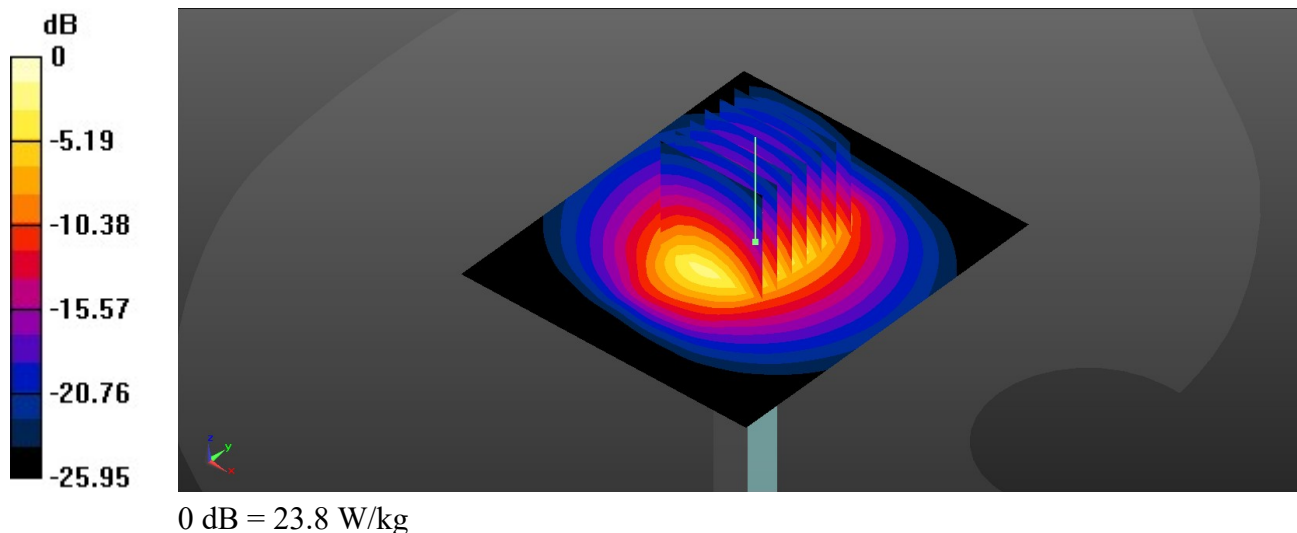
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 113.3 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 31.1 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 5.75 W/kg

Maximum value of SAR (measured) = 23.8 W/kg



System Check_2600MHz

DUT: D2600V2-SN:1070

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600_220614 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.915$ S/m; $\epsilon_r = 39.536$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(7.33, 7.33, 7.33); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 23.5 W/kg

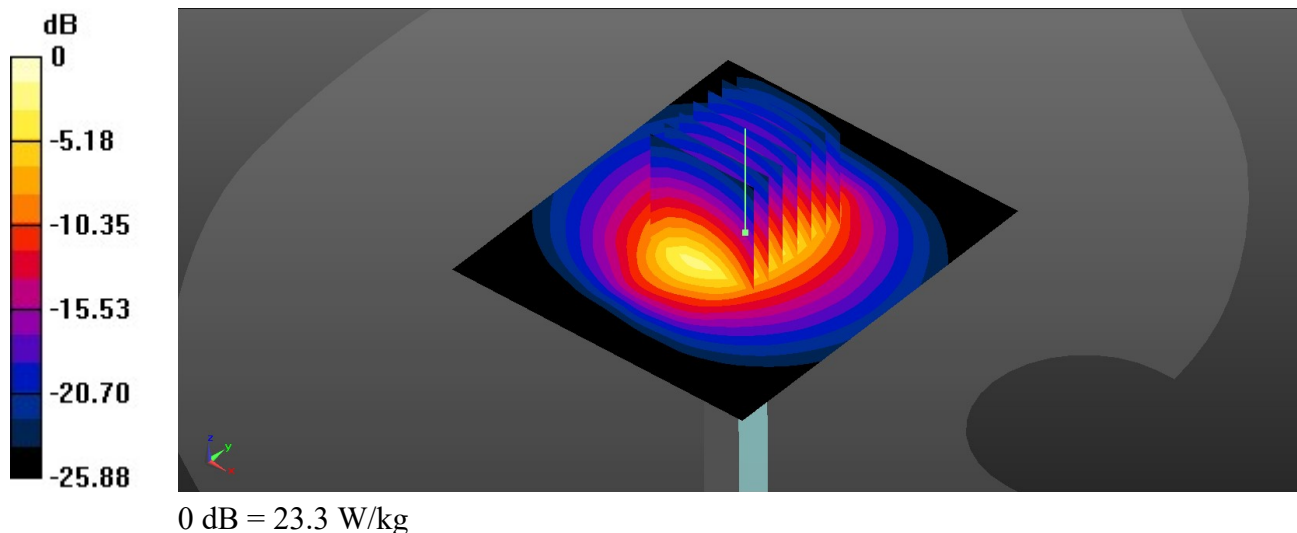
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 113.5 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 5.63 W/kg

Maximum value of SAR (measured) = 23.3 W/kg



System Check_3500MHz

DUT: D3500V2-SN:1076

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL_3500_220526 Medium parameters used: $f = 3500$ MHz; $\sigma = 3.017$ S/m; $\epsilon_r = 39.145$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(7.14, 7.14, 7.14); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (61x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm.

Maximum value of SAR (interpolated) = 13.0 W/kg

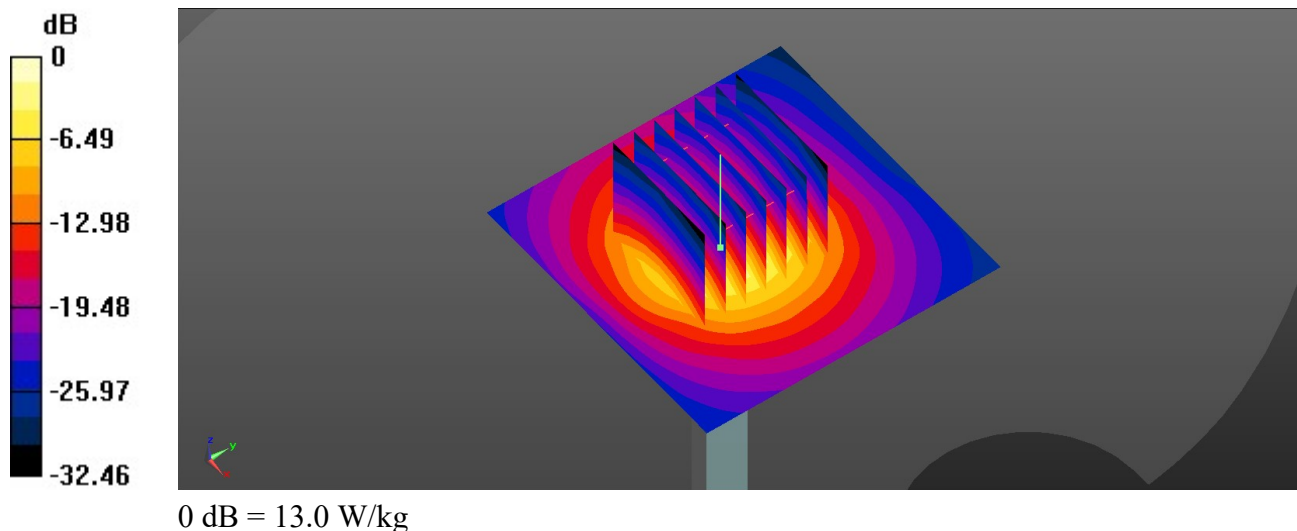
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.4$ mm

Reference Value = 64.48 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 6.29 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 13.0 W/kg



System Check_3500MHz

DUT: D3500V2-SN:1076

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL_3500_220610 Medium parameters used: $f = 3500$ MHz; $\sigma = 3.02$ S/m; $\epsilon_r = 37.34$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(7.14, 7.14, 7.14); Calibrated: 2022/3/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2021/10/26
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 AA; Serial: 2035
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (61x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 13.8 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.4$ mm

Reference Value = 64.48 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 6.65 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 13.8 W/kg

