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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
3500MHz																		
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 4	656000	3840	18.29	19.00	1.178	0.05	0.086	0.101
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 4	656000	3840	18.28	19.00	1.180	0.03	0.125	0.148
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 4	656000	3840	18.29	19.00	1.178	0.07	0.131	0.154
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 4	656000	3840	18.28	19.00	1.180	-0.09	0.193	0.228
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 2	656000	3840	24.17	25.00	1.211	0.05	0.474	0.574
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 2	656000	3840	24.11	25.00	1.227	0.12	0.564	0.692
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 4	656000	3840	18.29	19.00	1.178	0.02	0.162	0.191
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 4	656000	3840	18.28	19.00	1.180	0.02	0.192	0.227
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	15mm	Ant 5	DSI 2	656000	3840	24.17	25.00	1.211	0.07	0.463	0.561
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 4	633334	3500.01	18.25	19.00	1.189	0.07	0.121	0.144
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 5	DSI 4	633334	3500.01	18.24	19.00	1.191	-0.14	0.129	0.154
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 4	633334	3500.01	18.25	19.00	1.189	-0.04	0.196	0.233
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 5	DSI 4	633334	3500.01	18.24	19.00	1.191	-0.18	0.200	0.238
37	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 2	633334	3500.01	23.99	25.00	1.262	0.05	0.573	**0.723**
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 5	DSI 2	633334	3500.01	23.88	25.00	1.294	0.13	0.517	0.669
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 4	633334	3500.01	18.25	19.00	1.189	0.08	0.174	0.207
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 5	DSI 4	633334	3500.01	18.24	19.00	1.191	0.18	0.186	0.222
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	15mm	Ant 5	DSI 2	633334	3500.01	23.99	25.00	1.262	0.08	0.214	0.270
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 4	656000	3840	22.59	23.50	1.233	-0.15	0.095	0.117
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 4	656000	3840	22.52	23.50	1.253	0.05	0.101	0.127
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 4	656000	3840	22.59	23.50	1.233	0.15	0.350	0.432
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 4	656000	3840	22.52	23.50	1.253	0.04	0.356	0.446
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	10mm	Ant 3	DSI 2	656000	3840	24.55	25.50	1.245	0.03	0.386	0.480
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 3	DSI 2	656000	3840	24.44	25.50	1.276	-0.03	0.415	0.530
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	10mm	Ant 3	DSI 4	656000	3840	22.59	23.50	1.233	0.15	0.098	0.121
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 3	DSI 4	656000	3840	22.52	23.50	1.253	0.04	0.101	0.127
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	15mm	Ant 3	DSI 2	656000	3840	24.55	25.50	1.245	-0.03	0.110	0.137
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 4	633334	3500.01	22.53	23.50	1.250	0.05	0.158	0.198
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 3	DSI 4	633334	3500.01	22.47	23.50	1.268	0.08	0.158	0.200
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 4	633334	3500.01	22.53	23.50	1.250	0.08	0.374	0.468
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 3	DSI 4	633334	3500.01	22.47	23.50	1.268	-0.11	0.314	0.398
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	10mm	Ant 3	DSI 2	633334	3500.01	24.47	25.50	1.268	0.11	0.391	0.496
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 3	DSI 2	633334	3500.01	24.29	25.50	1.321	-0.07	0.411	0.543
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	10mm	Ant 3	DSI 4	633334	3500.01	22.53	23.50	1.250	0.09	0.096	0.120
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	10mm	Ant 3	DSI 4	633334	3500.01	22.47	23.50	1.268	-0.05	0.091	0.115
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	15mm	Ant 3	DSI 2	633334	3500.01	24.47	25.50	1.268	0.06	0.099	0.125
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI 3	656000	3840	21.04	22.00	1.247	0.02	0.106	0.132
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI 3	656000	3840	21.01	22.00	1.256	0.02	0.059	0.074
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI 3	656000	3840	21.04	22.00	1.247	-0.02	0.403	0.503
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI 3	656000	3840	21.01	22.00	1.256	0.05	0.356	0.447
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI 2	656000	3840	22.61	23.50	1.227	-0.14	0.261	0.320
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI 2	656000	3840	22.51	23.50	1.256	-0.16	0.238	0.299
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	DSI 3	656000	3840	21.04	22.00	1.247	-0.1	0.342	0.427
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	DSI 3	656000	3840	21.01	22.00	1.256	0.12	0.305	0.383
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	15mm	Ant 1	DSI 2	656000	3840	22.61	23.50	1.227	0.01	0.354	0.435
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI 3	633334	3500.01	20.94	22.00	1.276	0.01	0.097	0.124
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 1	DSI 3	633334	3500.01	20.88	22.00	1.294	0.16	0.100	0.129
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI 3	633334	3500.01	20.94	22.00	1.276	-0.07	0.376	0.480
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 1	DSI 3	633334	3500.01	20.88	22.00	1.294	-0.1	0.313	0.405
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI 2	633334	3500.01	22.53	23.50	1.250	0.09	0.199	0.249
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 1	DSI 2	633334	3500.01	22.31	23.50	1.315	0.07	0.183	0.241
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	DSI 3	633334	3500.01	20.94	22.00	1.276	0.14	0.261	0.333
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	DSI 3	633334	3500.01	20.88	22.00	1.294	0.07	0.276	0.357

	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	15mm	Ant 1	DSI 2	633334	3500.01	22.53	23.50	1.250	0.05	0.407	0.509
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 8	DSI 4	656000	3840	22.14	23.00	1.219	-0.18	0.146	0.178
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 8	DSI 4	656000	3840	22.03	23.00	1.250	0.01	0.132	0.165
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 8	DSI 4	656000	3840	22.14	23.00	1.219	0.05	0.280	0.341
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 8	DSI 4	656000	3840	22.03	23.00	1.250	0.13	0.253	0.316
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	10mm	Ant 8	DSI 2	656000	3840	22.14	23.00	1.219	-0.03	0.334	0.407
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 8	DSI 2	656000	3840	22.03	23.00	1.250	0.06	0.317	0.396
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant 8	DSI 4	633334	3500.01	22.12	23.00	1.225	-0.1	0.043	0.053
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	10mm	Ant 8	DSI 4	633334	3500.01	21.96	23.00	1.271	-0.17	0.042	0.053
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	10mm	Ant 8	DSI 4	633334	3500.01	22.12	23.00	1.225	-0.11	0.215	0.263
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	10mm	Ant 8	DSI 4	633334	3500.01	21.96	23.00	1.271	0.05	0.210	0.267
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	10mm	Ant 8	DSI 2	633334	3500.01	22.12	23.00	1.225	0.02	0.308	0.377
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	10mm	Ant 8	DSI 2	633334	3500.01	21.96	23.00	1.271	-0.15	0.290	0.368

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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2400MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6	Full	1	2412	19.50	20.50	1.259	100	1.000	0.15	0.117	0.147
38	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Full	1	2412	19.50	20.50	1.259	100	1.000	-0.01	0.134	**0.169**
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 6	Full	1	2412	19.50	20.50	1.259	100	1.000	0.04	0.128	0.161
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 6	Full	1	2412	19.50	20.50	1.259	100	1.000	0.09	0.111	0.140
39	Bluetooth	1Mbps	Front	10mm	Ant 6	Full	39	2441	11.00	11.50	1.122	76.84	1.301	0.05	0.006	**0.009**
	Bluetooth	1Mbps	Back	10mm	Ant 6	Full	39	2441	11.00	11.50	1.122	76.84	1.301	-0.13	0.003	0.004
	Bluetooth	1Mbps	Right Side	10mm	Ant 6	Full	39	2441	11.00	11.50	1.122	76.84	1.301	-0.17	0.003	0.004
	Bluetooth	1Mbps	Top Side	10mm	Ant 6	Full	39	2441	11.00	11.50	1.122	76.84	1.301	-0.06	0.001	0.001
5000MHz																
	WLAN5.2GHz	802.11a 6Mbps	Front	10mm	Ant 6	Full	48	5240	15.40	16.50	1.288	100	1.000	0.08	0.134	0.173
	WLAN5.2GHz	802.11a 6Mbps	Back	10mm	Ant 6	Full	48	5240	15.40	16.50	1.288	100	1.000	0.06	0.307	0.395
	WLAN5.2GHz	802.11a 6Mbps	Right Side	10mm	Ant 6	Full	48	5240	15.40	16.50	1.288	100	1.000	0.03	0.142	0.183
40	WLAN5.2GHz	802.11a 6Mbps	Top Side	10mm	Ant 6	Full	48	5240	15.40	16.50	1.288	100	1.000	0.01	0.394	**0.508**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 6	Full	155	5775	15.50	16.50	1.259	100	1.000	-0.06	0.202	0.254
41	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 6	Full	155	5775	15.50	16.50	1.259	100	1.000	0.08	0.395	**0.497**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 6	Full	155	5775	15.50	16.50	1.259	100	1.000	-0.1	0.231	0.291
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 6	Full	155	5775	15.50	16.50	1.259	100	1.000	0.03	0.353	0.444

15.3 Body Worn Accessory SAR

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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																		
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 2	23095	707.5	24.32	25.00	1.169	-0.19	0.190	0.222
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 2	23095	707.5	23.27	24.00	1.183	0.03	0.149	0.176
42	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	23095	707.5	24.32	25.00	1.169	-0.03	0.263	**0.308**
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 2	23095	707.5	23.27	24.00	1.183	0.07	0.204	0.241
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 2	23095	707.5	22.25	23.50	1.334	-0.07	0.073	0.097
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 4	DSI 2	23095	707.5	22.24	22.50	1.062	0.17	0.058	0.062
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 2	23095	707.5	22.25	23.50	1.334	-0.04	0.094	0.125
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 4	DSI 2	23095	707.5	22.24	22.50	1.062	-0.05	0.074	0.079
835MHz																		
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 0	DSI 2	189	836.4	28.45	29.50	1.274	0.09	0.383	0.488
43	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 0	DSI 2	189	836.4	28.45	29.50	1.274	-0.03	0.508	**0.647**
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	15mm	Ant 4	DSI 2	189	836.4	27.35	28.50	1.303	0.18	0.153	0.199
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	15mm	Ant 4	DSI 2	189	836.4	27.35	28.50	1.303	-0.07	0.217	0.283
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI 2	4182	836.4	25.04	25.50	1.112	-0.18	0.163	0.181
44	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 2	4182	836.4	25.04	25.50	1.112	-0.02	0.215	**0.239**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 2	4182	836.4	23.57	24.50	1.239	0.07	0.072	0.089
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 2	4182	836.4	23.57	24.50	1.239	-0.07	0.093	0.115
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 2	20525	836.5	24.32	25.00	1.169	0.13	0.115	0.134
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 0	DSI 2	20525	836.5	23.24	24.00	1.191	0.02	0.094	0.112
45	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	20525	836.5	24.32	25.00	1.169	-0.16	0.164	**0.192**
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 0	DSI 2	20525	836.5	23.24	24.00	1.191	0.05	0.137	0.163
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 2	20525	836.5	23.15	24.00	1.216	-0.02	0.061	0.074
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 4	DSI 2	20525	836.5	22.05	23.00	1.245	0.1	0.050	0.062
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 2	20525	836.5	23.15	24.00	1.216	0.13	0.075	0.091
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 4	DSI 2	20525	836.5	22.05	23.00	1.245	0.03	0.062	0.077
	FR1 n5	20M	QPSK	1	26	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 2	167300	836.5	23.99	25.00	1.262	0.15	0.122	0.154
	FR1 n5	20M	QPSK	25	13	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 2	167300	836.5	23.89	25.00	1.291	0.11	0.098	0.127
46	FR1 n5	20M	QPSK	1	26	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	167300	836.5	23.99	25.00	1.262	-0.1	0.166	**0.209**
	FR1 n5	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	167300	836.5	23.89	25.00	1.291	0.02	0.125	0.161
	FR1 n5	20M	QPSK	1	26	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	167300	836.5	22.99	24.00	1.262	-0.18	0.108	0.136
	FR1 n5	20M	QPSK	25	13	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	167300	836.5	22.86	24.00	1.300	0.05	0.104	0.135
	FR1 n5	20M	QPSK	1	26	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	167300	836.5	22.99	24.00	1.262	0.05	0.137	0.173
	FR1 n5	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	167300	836.5	22.86	24.00	1.300	0.04	0.147	0.191
1750MHz																		
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 2	1413	1732.6	23.98	25.00	1.265	0.03	0.202	0.255
47	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI 2	1413	1732.6	23.98	25.00	1.265	-0.16	0.277	**0.350**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	DSI 2	1413	1732.6	23.50	24.50	1.259	0.01	0.002	0.003
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	DSI 2	1413	1732.6	23.50	24.50	1.259	0.02	0.011	0.014
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 2	1413	1732.6	23.39	24.50	1.291	0.03	0.222	0.287
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 2	1413	1732.6	23.39	24.50	1.291	-0.04	0.238	0.307
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 2	132322	1745	24.52	25.50	1.253	0.12	0.112	0.140
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 2	132322	1745	23.46	24.50	1.271	0.07	0.112	0.142
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 2	132322	1745	24.52	25.50	1.253	0.07	0.169	0.212
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 2	132322	1745	23.46	24.50	1.271	-0.04	0.170	0.216
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 2	132322	1745	22.94	24.00	1.276	0.02	0.240	0.306
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 2	132322	1745	21.87	23.00	1.297	0.04	0.195	0.253
48	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 2	132322	1745	22.94	24.00	1.276	-0.01	0.272	**0.347**
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 2	132322	1745	21.87	23.00	1.297	0.11	0.225	0.292
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 2	132322	1745	23.58	24.50	1.236	0.08	0.208	0.257
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 2	132322	1745	22.59	23.50	1.233	-0.03	0.170	0.210

	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 2	132322	1745	23.58	24.50	1.236	0.01	0.271	0.335
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 2	132322	1745	22.59	23.50	1.233	0.03	0.231	0.285
	FR1 n66	40M	QPSK	1	53	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 2	349000	1745	24.44	25.50	1.276	0.02	0.233	0.297
	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 2	349000	1745	24.24	25.50	1.337	-0.17	0.211	0.282
	FR1 n66	40M	QPSK	1	53	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 2	349000	1745	24.44	25.50	1.276	0.05	0.209	0.267
49	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 2	349000	1745	24.24	25.50	1.337	-0.01	0.279	**0.373**
	FR1 n66	40M	QPSK	1	53	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	349000	1745	22.64	24.00	1.368	0.02	0.166	0.227
	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	349000	1745	22.54	24.00	1.400	0.05	0.206	0.288
	FR1 n66	40M	QPSK	1	53	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	349000	1745	22.64	24.00	1.368	-0.08	0.198	0.271
	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	349000	1745	22.54	24.00	1.400	-0.08	0.231	0.323
	FR1 n66	40M	QPSK	1	53	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 2	349000	1745	23.27	24.50	1.327	0.09	0.003	0.004
	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 2	349000	1745	23.02	24.50	1.406	0.01	0.001	0.001
	FR1 n66	40M	QPSK	1	53	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 2	349000	1745	23.27	24.50	1.327	-0.07	0.013	0.017
	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 2	349000	1745	23.02	24.50	1.406	-0.01	0.014	0.020
1900MHz																		
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 1	DSI 2	661	1880	29.33	30.50	1.309	0.03	0.177	0.232
50	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	15mm	Ant 1	DSI 2	661	1880	29.33	30.50	1.309	-0.03	0.268	**0.351**
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 4	DSI 2	661	1880	27.22	28.50	1.343	-0.01	0.074	0.099
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	15mm	Ant 4	DSI 2	661	1880	27.22	28.50	1.343	-0.18	0.094	0.126
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	15mm	Ant 2	DSI 2	661	1880	27.73	28.50	1.194	0.04	0.001	0.001
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	15mm	Ant 2	DSI 2	661	1880	27.73	28.50	1.194	-0.02	0.003	0.004
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 2	9400	1880	23.45	24.50	1.274	0.18	0.249	0.317
51	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI 2	9400	1880	23.45	24.50	1.274	-0.08	0.378	**0.481**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 2	9400	1880	25.20	25.50	1.072	0.06	0.295	0.316
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 2	9400	1880	25.20	25.50	1.072	-0.09	0.357	0.383
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 1	DSI 2	18900	1880	23.43	24.50	1.279	-0.14	0.137	0.175
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 1	DSI 2	18900	1880	22.08	23.50	1.387	0.08	0.110	0.153
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 1	DSI 2	18900	1880	23.43	24.50	1.279	-0.05	0.213	0.273
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 1	DSI 2	18900	1880	22.08	23.50	1.387	0.14	0.171	0.237
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 2	18900	1880	24.73	25.50	1.194	0.06	0.293	0.350
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 2	18900	1880	23.69	24.50	1.205	0.07	0.247	0.298
52	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 2	18900	1880	24.73	25.50	1.194	-0.08	0.394	**0.470**
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 2	18900	1880	23.69	24.50	1.205	0.03	0.313	0.377

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)	Reported 1g SAR (W/kg)
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 2	21100	2535	21.27	22.00	1.183	-	-	-0.06	0.291	0.344
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 2	21100	2535	21.26	22.00	1.186	-	-	-0.12	0.289	0.343
53	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	21100	2535	21.27	22.00	1.183	-	-	-0.03	0.923	**1.092**
	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	21100+ 21298	2535+ 2554.8	21.18	22.00	1.208	-	-	0.01	0.878	1.060
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	20850	2510	21.21	22.00	1.199	-	-	0.1	0.868	1.041
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	21350	2560	21.18	22.00	1.208	-	-	0.08	0.872	1.053
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 2	21100	2535	21.26	22.00	1.186	-	-	-0.02	0.582	0.690
	LTE Band 7	20M	QPSK	100	0	-	Back	15mm	Ant 0	DSI 2	21100	2535	21.03	22.00	1.250	-	-	0.1	0.821	1.026
	LTE Band 7_ENDC	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	21100	2535	18.17	19.00	1.211	-	-	-0.08	0.393	0.476
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 2	21100	2535	23.19	23.50	1.074	-	-	-0.05	0.222	0.238
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 2	21100	2535	22.15	22.50	1.084	-	-	0.16	0.222	0.241
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 2	21100	2535	23.19	23.50	1.074	-	-	0.13	0.325	0.349
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 2	21100	2535	22.15	22.50	1.084	-	-	-0.06	0.331	0.359
	LTE Band 7C	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 2	21100+ 21298	2535+ 2554.8	22.12	22.50	1.091	-	-	0.01	0.302	0.330
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 2	21100	2535	23.13	24.50	1.371	-	-	-0.07	0.124	0.170
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 2	21100	2535	22.13	23.50	1.371	-	-	-0.14	0.124	0.170
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 2	21100	2535	23.13	24.50	1.371	-	-	-0.11	0.382	0.524
	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 2	21100+ 21298	2535+ 2554.8	22.80	24.50	1.479	-	-	0.01	0.353	0.522
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 2	21100	2535	22.13	23.50	1.371	-	-	0.07	0.380	0.521
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 0	DSI 2	40620	2593	24.68	25.00	1.076	62.9	1.006	0.15	0.082	0.089
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 0	DSI 2	40620	2593	23.65	24.00	1.084	62.9	1.006	0.04	0.080	0.087
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 0	DSI 2	40620	2593	24.68	25.00	1.076	62.9	1.006	0.03	0.228	0.247
54	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 2	40620	2593	23.65	24.00	1.084	62.9	1.006	-0.1	0.229	**0.250**
	LTE Band 38C	20M	QPSK	50	0	-	Back	15mm	Ant 0	DSI 2	37901+ 38099	2585.1+ 2604.9	23.50	24.00	1.122	62.9	1.006	0.03	0.213	0.240
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 4	DSI 2	40620	2593	24.32	25.50	1.312	62.9	1.006	-0.17	0.113	0.149
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 4	DSI 2	40620	2593	23.25	24.50	1.334	62.9	1.006	0.05	0.113	0.152
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 2	40620	2593	24.32	25.50	1.312	62.9	1.006	-0.01	0.174	0.230
	LTE Band 38C	20M	QPSK	1	0	-	Back	15mm	Ant 4	DSI 2	37901+ 38099	2585.1+ 2604.9	24.00	25.50	1.413	62.9	1.006	0.07	0.162	0.230
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 4	DSI 2	40620	2593	23.25	24.50	1.334	62.9	1.006	-0.1	0.170	0.228
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 2	DSI 2	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.02	0.003	0.004
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 2	DSI 2	40620	2593	20.98	22.00	1.265	62.9	1.006	0.08	0.001	0.001
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 2	40620	2593	21.98	23.00	1.265	62.9	1.006	-0.02	0.116	0.148
	LTE Band 38C	20M	QPSK	1	0	-	Back	15mm	Ant 2	DSI 2	37901+ 38099	2585.1+ 2604.9	21.69	23.00	1.352	62.9	1.006	0.03	0.101	0.137
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 2	DSI 2	40620	2593	20.98	22.00	1.265	62.9	1.006	-0.07	0.104	0.132
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 2	507000	2535	21.28	22.00	1.180	-	-	0.02	0.272	0.321
	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 2	507000	2535	21.20	22.00	1.202	-	-	-0.04	0.267	0.321
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	507000	2535	21.28	22.00	1.180	-	-	0.04	0.755	0.891
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	502000	2510	20.98	22.00	1.265	-	-	0.01	0.714	0.903
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	512000	2560	20.97	22.00	1.268	-	-	0.03	0.704	0.892
55	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	507000	2535	21.20	22.00	1.202	-	-	-0.1	0.760	**0.914**
	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	502000	2510	21.02	22.00	1.253	-	-	0.05	0.723	0.906
	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	512000	2560	20.98	22.00	1.265	-	-	0.01	0.710	0.898
	FR1 n7	20M	QPSK	50	0	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	507000	2535	21.20	21.00	0.955	-	-	0.01	0.733	0.700
	FR1 n7_ENDC	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	507000	2535	18.29	19.00	1.178	-	-	0.09	0.421	0.496
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	507000	2535	22.89	24.00	1.291	-	-	0.04	0.005	0.006
	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	507000	2535	22.85	24.00	1.303	-	-	0.03	0.002	0.003
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	507000	2535	22.89	24.00	1.291	-	-	0.18	0.257	0.332
	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	507000	2535	22.85	24.00	1.303	-	-	-0.06	0.265	0.345
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 2	507000	2535	23.31	24.50	1.315	-	-	-0.09	0.020	0.026

	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 2	507000	2535	23.11	24.50	1.377	-	-	0.04	0.018	0.025
	FR1 n7	20M	QPSK	1	26	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 2	507000	2535	23.31	24.50	1.315	-	-	-0.08	0.388	0.510
	FR1 n7	20M	QPSK	25	13	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 2	507000	2535	23.11	24.50	1.377	-	-	0.02	0.320	0.441
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 2	518598	2592.99	25.26	25.50	1.057	-	-	-0.02	0.166	0.175
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 0	DSI 2	518598	2592.99	25.15	25.50	1.084	-	-	-0.14	0.136	0.147
56	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	518598	2592.99	25.26	25.50	1.057	-	-	-0.01	0.449	**0.475**
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 0	DSI 2	518598	2592.99	25.15	25.50	1.084	-	-	-0.18	0.398	0.431
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	518598	2592.99	24.25	25.50	1.334	-	-	0.12	0.159	0.212
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 4	DSI 2	518598	2592.99	24.21	25.50	1.346	-	-	-0.07	0.161	0.217
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	518598	2592.99	24.25	25.50	1.334	-	-	-0.05	0.228	0.304
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	DSI 2	518598	2592.99	24.21	25.50	1.346	-	-	-0.03	0.264	0.355
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 2	518598	2592.99	24.16	25.00	1.213	-	-	0.02	0.012	0.015
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 2	DSI 2	518598	2592.99	23.93	25.00	1.279	-	-	0.07	0.012	0.015
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 2	518598	2592.99	24.16	25.00	1.213	-	-	-0.02	0.248	0.301
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 2	DSI 2	518598	2592.99	23.93	25.00	1.279	-	-	0.14	0.204	0.261
3500MHz																				
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 2	656000	3840	24.17	25.00	1.211	-	-	0.02	0.231	0.280
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 2	656000	3840	24.11	25.00	1.227	-	-	0.06	0.298	0.366
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 2	656000	3840	24.17	25.00	1.211	-	-	0.1	0.328	0.397
57	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 2	656000	3840	24.11	25.00	1.227	-	-	-0.07	0.429	**0.527**
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 2	633334	3500.01	23.99	25.00	1.262	-	-	0.03	0.276	0.348
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	DSI 2	633334	3500.01	23.88	25.00	1.294	-	-	0.17	0.253	0.327
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 2	633334	3500.01	23.99	25.00	1.262	-	-	0.03	0.366	0.462
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	DSI 2	633334	3500.01	23.88	25.00	1.294	-	-	0.06	0.398	0.515
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI 2	656000	3840	24.55	25.50	1.245	-	-	0.09	0.115	0.143
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI 2	656000	3840	24.44	25.50	1.276	-	-	0.01	0.116	0.148
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 2	656000	3840	24.55	25.50	1.245	-	-	0.02	0.338	0.421
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 2	656000	3840	24.44	25.50	1.276	-	-	-0.07	0.340	0.434
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI 2	633334	3500.01	24.47	25.50	1.268	-	-	0.05	0.137	0.174
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	DSI 2	633334	3500.01	24.29	25.50	1.321	-	-	0.11	0.140	0.185
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 2	633334	3500.01	24.47	25.50	1.268	-	-	0.15	0.321	0.407
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 3	DSI 2	633334	3500.01	24.29	25.50	1.321	-	-	0.03	0.322	0.425
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 2	656000	3840	22.61	23.50	1.227	-	-	0.12	0.081	0.099
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 2	656000	3840	22.51	23.50	1.256	-	-	-0.07	0.047	0.059
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 2	656000	3840	22.61	23.50	1.227	-	-	-0.08	0.302	0.371
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 2	656000	3840	22.51	23.50	1.256	-	-	-0.18	0.245	0.308
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 2	633334	3500.01	22.53	23.50	1.250	-	-	-0.05	0.134	0.168
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	DSI 2	633334	3500.01	22.31	23.50	1.315	-	-	0.04	0.139	0.183
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 2	633334	3500.01	22.53	23.50	1.250	-	-	0.09	0.325	0.406
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 1	DSI 2	633334	3500.01	22.31	23.50	1.315	-	-	0.17	0.331	0.435
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 8	DSI 2	656000	3840	22.14	23.00	1.219	-	-	0.08	0.027	0.033
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 8	DSI 2	656000	3840	22.03	23.00	1.250	-	-	0.01	0.020	0.025
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 8	DSI 2	656000	3840	22.14	23.00	1.219	-	-	-0.05	0.099	0.121
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 8	DSI 2	656000	3840	22.03	23.00	1.250	-	-	-0.07	0.086	0.108
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	15mm	Ant 8	DSI 2	633334	3500.01	22.12	23.00	1.225	-	-	0.06	0.038	0.047
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 8	DSI 2	633334	3500.01	21.96	23.00	1.271	-	-	-0.14	0.032	0.041
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	15mm	Ant 8	DSI 2	633334	3500.01	22.12	23.00	1.225	-	-	0.15	0.120	0.147
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 8	DSI 2	633334	3500.01	21.96	23.00	1.271	-	-	0.03	0.126	0.160

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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6	Full	1	2412	19.50	20.50	1.259	100	1.000	0.02	0.054	0.068
58	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6	Full	1	2412	19.50	20.50	1.259	100	1.000	-0.06	0.063	**0.079**
	Bluetooth	1Mbps	Front	15mm	Ant 6	Full	39	2441	11.00	11.50	1.122	76.84	1.301	0.09	0.002	0.003
59	Bluetooth	1Mbps	Back	15mm	Ant 6	Full	39	2441	11.00	11.50	1.122	76.84	1.301	0.09	0.00983	**0.014**
5000MHz																
	WLAN5.3GHz	802.11a 6Mbps	Front	15mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	0.03	0.104	0.125
60	WLAN5.3GHz	802.11a 6Mbps	Back	15mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	-0.09	0.197	**0.237**
	WLAN5.5GHz	802.11a 6Mbps	Front	15mm	Ant 6	Full	116	5580	18.10	19.00	1.230	100	1.000	0.07	0.238	0.293
61	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant 6	Full	116	5580	18.10	19.00	1.230	100	1.000	-0.02	0.392	**0.482**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6	Full	155	5775	15.50	16.50	1.259	100	1.000	0.02	0.166	0.209
62	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6	Full	155	5775	15.50	16.50	1.259	100	1.000	-0.07	0.288	**0.363**

15.4 Product Specific SAR

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)
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	0.15	0.989	1.189
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	-0.08	1.80	2.164
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 6	Full	60	5300	18.10	19.00	1.230	100	1.000	0.02	1.85	2.276
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	0.06	0.786	0.945
63	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	-0.02	2.01	**2.417**
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Full	60	5300	18.10	19.00	1.230	100	1.000	0.01	1.92	2.362
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 6	Full	116	5580	18.10	19.00	1.230	100	1.000	0.05	0.565	0.695
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 6	Full	116	5580	18.10	19.00	1.230	100	1.000	0.08	1.05	1.292
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 6	Full	116	5580	18.10	19.00	1.230	100	1.000	0.11	0.535	0.658
64	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Full	116	5580	18.10	19.00	1.230	100	1.000	0.07	1.50	**1.845**

15.5 Repeated SAR Measurement

<1g>

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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 1	9400	1880	19.26	19.50	1.057	-	-	0.01	0.822	1	0.869
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI 1	9400	1880	19.26	19.50	1.057	-	-	0.03	0.816	1.007	0.862
1st	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DSI 1	349000	1745	18.73	20.00	1.340	-	-	0.09	0.802	1	1.074
2nd	FR1 n66	40M	QPSK	50	28	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DSI 1	349000	1745	18.73	20.00	1.340	-	-	0.11	0.786	1.020	1.053
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 1	656000	3840	18.28	19.00	1.180	-	-	-0.07	0.851	1	1.004
2nd	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 1	656000	3840	18.28	19.00	1.180	-	-	0.02	0.846	1.006	0.999
1st	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 4	21100	2535	20.26	20.50	1.057	-	-	-0.07	0.979	1	1.035
2nd	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 4	DSI 4	21100	2535	20.26	20.50	1.057	-	-	0.03	0.972	1.007	1.027

<10g>

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 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	-0.02	2.01	1	2.417
2nd	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 6	Full	64	5320	18.20	19.00	1.202	100	1.000	0.08	1.98	1.015	2.380

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR <1.45W/kg, only one repeated measurement is required.
3. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. 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	Yes	Yes	Yes	Yes
2.	WWAN + 5GHz WLAN	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + 5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes

General Note:

1. This device supports VoIP in WCDMA and LTE (e.g. for 3rd-party VoIP) and LTE supports VoLTE operation.
2. WWAN above includes 5G NR bands.
3. EN-DC SAR summed the standalone 5GNR SAR and LTE standalone SAR more conservatively.
4. EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
5. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN 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 and Bluetooth share the same antenna, so can't transmit simultaneously.
9. According to the characteristic of EUT, WLAN5GHz and Bluetooth can transmit simultaneously.
10. 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.
11. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
12. Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
13. The reported SAR summation is calculated based on the same configuration and test position.
14. WWAN antenna always chose the worst position SAR among all WWAN bands base on head and body to do co-located with WLAN/Bluetooth. It is the most conservatively evaluation.
15. When EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the same LTE band within all antenna per each test position and also the worst SAR of the selected 5GNR within all antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5GNR bands.
16. 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. 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 ≤ 0.04 for 1g SAR and SPLSR≤ 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	2	3	4	1+2	1+3+4
		WWAN	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
WWAN All Band	Right Cheek	0.842	0.143	0.187	0.007	0.99	1.04
	Right Tilted	1.074	0.174	0.248	0.003	1.25	1.33
	Left Cheek	0.798	0.453	0.367	0.051	1.25	1.22
	Left Tilted	1.004	0.370	0.491	0.045	1.37	1.54

<5G NR ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 5 All Ant	FR1 n7 All Ant	Right Cheek	0.547	0.443	0.143	0.187	0.007	1.13	1.18
		Right Tilted	0.536	0.443	0.174	0.248	0.003	1.15	1.23
		Left Cheek	0.431	0.443	0.453	0.367	0.051	1.33	1.29
		Left Tilted	0.443	0.443	0.370	0.491	0.045	1.26	1.42
LTE Band 5 All Ant	FR1 n41(38) All Ant	Right Cheek	0.547	0.471	0.143	0.187	0.007	1.16	1.21
		Right Tilted	0.536	0.471	0.174	0.248	0.003	1.18	1.26
		Left Cheek	0.431	0.471	0.453	0.367	0.051	1.36	1.32
		Left Tilted	0.443	0.471	0.370	0.491	0.045	1.28	1.45
LTE Band 5 All Ant	FR1 n77(78) All Ant	Right Cheek	0.547	0.513	0.143	0.187	0.007	1.20	1.25
		Right Tilted	0.536	0.513	0.174	0.248	0.003	1.22	1.30
		Left Cheek	0.431	0.513	0.453	0.367	0.051	1.40	1.36
		Left Tilted	0.443	0.513	0.370	0.491	0.045	1.33	1.49
LTE Band 2 All Ant	FR1 n5 All Ant	Right Cheek	0.492	0.544	0.143	0.187	0.007	1.18	1.23
		Right Tilted	0.492	0.430	0.174	0.248	0.003	1.10	1.17
		Left Cheek	0.492	0.381	0.453	0.367	0.051	1.33	1.29
		Left Tilted	0.492	0.325	0.370	0.491	0.045	1.19	1.35
LTE Band 2 All Ant	FR1 n7 All Ant	Right Cheek	0.492	0.443	0.143	0.187	0.007	1.08	1.13
		Right Tilted	0.492	0.443	0.174	0.248	0.003	1.11	1.19
		Left Cheek	0.492	0.443	0.453	0.367	0.051	1.39	1.35
		Left Tilted	0.492	0.443	0.370	0.491	0.045	1.31	1.47
LTE Band 2 All Ant	FR1 n41(38) All Ant	Right Cheek	0.492	0.471	0.143	0.187	0.007	1.11	1.16
		Right Tilted	0.492	0.471	0.174	0.248	0.003	1.14	1.21
		Left Cheek	0.492	0.471	0.453	0.367	0.051	1.42	1.38
		Left Tilted	0.492	0.471	0.370	0.491	0.045	1.33	1.50
LTE Band 2 All Ant	FR1 n66 All Ant	Right Cheek	0.492	0.521	0.143	0.187	0.007	1.16	1.21
		Right Tilted	0.492	0.521	0.174	0.248	0.003	1.19	1.26
		Left Cheek	0.492	0.521	0.453	0.367	0.051	**1.47**	1.43
		Left Tilted	0.492	0.521	0.370	0.491	0.045	1.38	1.55
LTE Band 2 All Ant	FR1 n77(78) All Ant	Right Cheek	0.492	0.513	0.143	0.187	0.007	1.15	1.20
		Right Tilted	0.492	0.513	0.174	0.248	0.003	1.18	1.26
		Left Cheek	0.492	0.513	0.453	0.367	0.051	1.46	1.42
		Left Tilted	0.492	0.513	0.370	0.491	0.045	1.38	1.54
LTE Band 7 All Ant	FR1 n5 All Ant	Right Cheek	0.485	0.544	0.143	0.187	0.007	1.17	1.22
		Right Tilted	0.485	0.430	0.174	0.248	0.003	1.09	1.17
		Left Cheek	0.485	0.381	0.453	0.367	0.051	1.32	1.28
		Left Tilted	0.485	0.325	0.370	0.491	0.045	1.18	1.35
LTE Band 7 All Ant	FR1 n7 All Ant	Right Cheek	0.485	0.443	0.143	0.187	0.007	1.07	1.12
		Right Tilted	0.485	0.443	0.174	0.248	0.003	1.10	1.18

		Left Cheek	0.485	0.443	0.453	0.367	0.051	1.38	1.35
		Left Tilted	0.485	0.443	0.370	0.491	0.045	1.30	1.46
LTE Band 7 All Ant	FR1 n41(38) All Ant	Right Cheek	0.485	0.471	0.143	0.187	0.007	1.10	1.15
		Right Tilted	0.485	0.471	0.174	0.248	0.003	1.13	1.21
		Left Cheek	0.485	0.471	0.453	0.367	0.051	1.41	1.37
		Left Tilted	0.485	0.471	0.370	0.491	0.045	1.33	1.49
LTE Band 7 All Ant	FR1 n66 All Ant	Right Cheek	0.485	0.521	0.143	0.187	0.007	1.15	1.20
		Right Tilted	0.485	0.521	0.174	0.248	0.003	1.18	1.26
		Left Cheek	0.485	0.521	0.453	0.367	0.051	1.46	1.42
		Left Tilted	0.485	0.521	0.370	0.491	0.045	1.38	1.54
LTE Band 7 All Ant	FR1 n77(78) All Ant	Right Cheek	0.485	0.513	0.143	0.187	0.007	1.14	1.19
		Right Tilted	0.485	0.513	0.174	0.248	0.003	1.17	1.25
		Left Cheek	0.485	0.513	0.453	0.367	0.051	1.45	1.42
		Left Tilted	0.485	0.513	0.370	0.491	0.045	1.37	1.53
LTE Band 41(38) All Ant	FR1 n5 All Ant	Right Cheek	0.425	0.544	0.143	0.187	0.007	1.11	1.16
		Right Tilted	0.540	0.430	0.174	0.248	0.003	1.14	1.22
		Left Cheek	0.145	0.381	0.453	0.367	0.051	0.98	0.94
		Left Tilted	0.205	0.325	0.370	0.491	0.045	0.90	1.07
LTE Band 41(38) All Ant	FR1 n7 All Ant	Right Cheek	0.425	0.443	0.143	0.187	0.007	1.01	1.06
		Right Tilted	0.540	0.443	0.174	0.248	0.003	1.16	1.23
		Left Cheek	0.145	0.443	0.453	0.367	0.051	1.04	1.01
		Left Tilted	0.205	0.443	0.370	0.491	0.045	1.02	1.18
LTE Band 41(38) All Ant	FR1 n77(78) All Ant	Right Cheek	0.425	0.513	0.143	0.187	0.007	1.08	1.13
		Right Tilted	0.540	0.513	0.174	0.248	0.003	1.23	1.30
		Left Cheek	0.145	0.513	0.453	0.367	0.051	1.11	1.08
		Left Tilted	0.205	0.513	0.370	0.491	0.045	1.09	1.25
LTE Band 41(38) All Ant	FR1 n41(38) All Ant	Right Cheek	0.425	0.471	0.143	0.187	0.007	1.04	1.09
		Right Tilted	0.540	0.471	0.174	0.248	0.003	1.19	1.26
		Left Cheek	0.145	0.471	0.453	0.367	0.051	1.07	1.03
		Left Tilted	0.205	0.471	0.370	0.491	0.045	1.05	1.21
LTE Band 66 All Ant	FR1 n5 All Ant	Right Cheek	0.471	0.544	0.143	0.187	0.007	1.16	1.21
		Right Tilted	0.471	0.430	0.174	0.248	0.003	1.08	1.15
		Left Cheek	0.471	0.381	0.453	0.367	0.051	1.31	1.27
		Left Tilted	0.471	0.325	0.370	0.491	0.045	1.17	1.33

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 66 All Ant	FR1 n7 All Ant	Right Cheek	0.471	0.443	0.143	0.187	0.007	1.06	1.11
		Right Tilted	0.471	0.443	0.174	0.248	0.003	1.09	1.17
		Left Cheek	0.471	0.443	0.453	0.367	0.051	1.37	1.33
		Left Tilted	0.471	0.443	0.370	0.491	0.045	1.28	1.45
LTE Band 66 All Ant	FR1 n41(38) All Ant	Right Cheek	0.471	0.471	0.143	0.187	0.007	1.09	1.14
		Right Tilted	0.471	0.471	0.174	0.248	0.003	1.12	1.19
		Left Cheek	0.471	0.471	0.453	0.367	0.051	1.40	1.36
		Left Tilted	0.471	0.471	0.370	0.491	0.045	1.31	1.48
LTE Band 66 All Ant	FR1 n66 All Ant	Right Cheek	0.471	0.521	0.143	0.187	0.007	1.14	1.19
		Right Tilted	0.471	0.521	0.174	0.248	0.003	1.17	1.24
		Left Cheek	0.471	0.521	0.453	0.367	0.051	1.45	1.41
		Left Tilted	0.471	0.521	0.370	0.491	0.045	1.36	1.53
LTE Band 66 All Ant	FR1 n77(78) All Ant	Right Cheek	0.471	0.513	0.143	0.187	0.007	1.13	1.18
		Right Tilted	0.471	0.513	0.174	0.248	0.003	1.16	1.24
		Left Cheek	0.471	0.513	0.453	0.367	0.051	1.44	1.40
		Left Tilted	0.471	0.513	0.370	0.491	0.045	1.35	1.52

16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3+4
		WWAN	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
WWAN All Band	Front at 10mm	0.647	0.147	0.254	0.009	0.79	0.91
	Back at 10mm	1.070	0.169	0.497	0.004	1.24	1.57
	Left side at 10mm	0.795				0.80	0.80
	Right side at 10mm	0.723	0.161	0.291	0.004	0.88	1.02
	Top side at 10mm	1.056	0.140	0.508	0.001	1.20	1.57
	Bottom side at 10mm	0.918				0.92	0.92

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3+4
		WWAN	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
WWAN All Band	Top side at 15mm	0.803	0.140	0.508	0.001	0.94	1.31
	Bottom side at 15mm	1.067				1.07	1.07

<5G NR ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 5 All Ant	FR1 n7 All Ant	Front at 10mm	0.136	0.466	0.147	0.254	0.009	0.75	0.87
		Back at 10mm	0.193	0.466	0.169	0.497	0.004	0.83	1.16
		Left side at 10mm	0.089	0.466				0.56	0.56
		Right side at 10mm	0.152	0.466	0.161	0.291	0.004	0.78	0.91
		Top side at 10mm	0.137	0.466	0.140	0.508	0.001	0.74	1.11
		Bottom side at 10mm	0.185	0.466				0.65	0.65
LTE Band 5 All Ant	FR1 n41(38) All Ant	Front at 10mm	0.136	0.235	0.147	0.254	0.009	0.52	0.63
		Back at 10mm	0.193	0.412	0.169	0.497	0.004	0.77	1.11
		Left side at 10mm	0.089	0.415				0.50	0.50
		Right side at 10mm	0.152	0.185	0.161	0.291	0.004	0.50	0.63
		Top side at 10mm	0.137	0.585	0.140	0.508	0.001	0.86	1.23
		Bottom side at 10mm	0.185	0.403				0.59	0.59
LTE Band 5 All Ant	FR1 n77(78) All Ant	Front at 10mm	0.136	0.200	0.147	0.254	0.009	0.48	0.60
		Back at 10mm	0.193	0.503	0.169	0.497	0.004	0.87	1.20
		Left side at 10mm	0.089	0.543				0.63	0.63
		Right side at 10mm	0.152	0.723	0.161	0.291	0.004	1.04	1.17
		Top side at 10mm	0.137	0.504	0.140	0.508	0.001	0.78	1.15
		Bottom side at 10mm	0.185	0.427				0.61	0.61
LTE Band 2 All Ant	FR1 n5 All Ant	Front at 10mm	0.378	0.138	0.147	0.254	0.009	0.66	0.78
		Back at 10mm	0.585	0.327	0.169	0.497	0.004	1.08	1.41
		Left side at 10mm	0.472	0.100				0.57	0.57
		Right side at 10mm	0.115	0.164	0.161	0.291	0.004	0.44	0.57
		Top side at 10mm	0.363	0.126	0.140	0.508	0.001	0.63	1.00
		Bottom side at 10mm	0.450	0.178				0.63	0.63
LTE Band 2 All Ant	FR1 n7 All Ant	Front at 10mm	0.378	0.466	0.147	0.254	0.009	0.99	1.11
		Back at 10mm	0.585	0.466	0.169	0.497	0.004	1.22	1.55
		Left side at 10mm	0.472	0.466				0.94	0.94
		Right side at 10mm	0.115	0.466	0.161	0.291	0.004	0.74	0.88
		Top side at 10mm	0.363	0.466	0.140	0.508	0.001	0.97	1.34
		Bottom side at 10mm	0.450	0.466				0.92	0.92

LTE Band 2 All Ant	FR1 n41(38) All Ant	Front at 10mm	0.378	0.235	0.147	0.254	0.009	0.76	0.88
		Back at 10mm	0.585	0.412	0.169	0.497	0.004	1.17	1.50
		Left side at 10mm	0.472	0.415				0.89	0.89
		Right side at 10mm	0.115	0.185	0.161	0.291	0.004	0.46	0.60
		Top side at 10mm	0.363	0.585	0.140	0.508	0.001	1.09	1.46
		Bottom side at 10mm	0.450	0.403				0.85	0.85
LTE Band 2 All Ant	FR1 n66 All Ant	Front at 10mm	0.378	0.506	0.147	0.254	0.009	1.03	1.15
		Back at 10mm	0.585	0.506	0.169	0.497	0.004	1.26	1.59
		Left side at 10mm	0.472	0.506				0.98	0.98
		Right side at 10mm	0.115	0.506	0.161	0.291	0.004	0.78	0.92
		Top side at 10mm	0.363	0.506	0.140	0.508	0.001	1.01	1.38
		Bottom side at 10mm	0.450	0.506				0.96	0.96
LTE Band 2 All Ant	FR1 n77(78) All Ant	Front at 10mm	0.378	0.200	0.147	0.254	0.009	0.73	0.84
		Back at 10mm	0.585	0.503	0.169	0.497	0.004	1.26	1.59
		Left side at 10mm	0.472	0.543				1.02	1.02
		Right side at 10mm	0.115	0.723	0.161	0.291	0.004	1.00	1.13
		Top side at 10mm	0.363	0.504	0.140	0.508	0.001	1.01	1.38
		Bottom side at 10mm	0.450	0.427				0.88	0.88
LTE Band 7 All Ant	FR1 n5 All Ant	Front at 10mm	0.498	0.138	0.147	0.254	0.009	0.78	0.90
		Back at 10mm	0.498	0.327	0.169	0.497	0.004	0.99	1.33
		Left side at 10mm	0.498	0.100				0.60	0.60
		Right side at 10mm	0.498	0.164	0.161	0.291	0.004	0.82	0.96
		Top side at 10mm	0.498	0.126	0.140	0.508	0.001	0.76	1.13
		Bottom side at 10mm	0.498	0.178				0.68	0.68
LTE Band 7 All Ant	FR1 n7 All Ant	Front at 10mm	0.498	0.466	0.147	0.254	0.009	1.11	1.23
		Back at 10mm	0.498	0.466	0.169	0.497	0.004	1.13	1.47
		Left side at 10mm	0.498	0.466				0.96	0.96
		Right side at 10mm	0.498	0.466	0.161	0.291	0.004	1.13	1.26
		Top side at 10mm	0.498	0.466	0.140	0.508	0.001	1.10	1.47
		Bottom side at 10mm	0.498	0.466				0.96	0.96
LTE Band 7 All Ant	FR1 n41(38) All Ant	Front at 10mm	0.498	0.235	0.147	0.254	0.009	0.88	1.00
		Back at 10mm	0.498	0.412	0.169	0.497	0.004	1.08	1.41
		Left side at 10mm	0.498	0.415				0.91	0.91
		Right side at 10mm	0.498	0.185	0.161	0.291	0.004	0.84	0.98
		Top side at 10mm	0.498	0.585	0.140	0.508	0.001	1.22	1.59
		Bottom side at 10mm	0.498	0.403				0.90	0.90
LTE Band 7 All Ant	FR1 n66 All Ant	Front at 10mm	0.498	0.506	0.147	0.254	0.009	1.15	1.27
		Back at 10mm	0.498	0.506	0.169	0.497	0.004	1.17	1.51
		Left side at 10mm	0.498	0.506				1.00	1.00
		Right side at 10mm	0.498	0.506	0.161	0.291	0.004	1.17	1.30
		Top side at 10mm	0.498	0.506	0.140	0.508	0.001	1.14	1.51
		Bottom side at 10mm	0.498	0.506				1.00	1.00
LTE Band 7 All Ant	FR1 n77(78) All Ant	Front at 10mm	0.498	0.200	0.147	0.254	0.009	0.85	0.96
		Back at 10mm	0.498	0.503	0.169	0.497	0.004	1.17	1.50
		Left side at 10mm	0.498	0.543				1.04	1.04
		Right side at 10mm	0.498	0.723	0.161	0.291	0.004	1.38	1.52
		Top side at 10mm	0.498	0.504	0.140	0.508	0.001	1.14	1.51
		Bottom side at 10mm	0.498	0.427				0.93	0.93
LTE Band 41(38) All Ant	FR1 n5 All Ant	Front at 10mm	0.499	0.138	0.147	0.254	0.009	0.78	0.90
		Back at 10mm	0.499	0.327	0.169	0.497	0.004	1.00	1.33
		Left side at 10mm	0.499	0.100				0.60	0.60
		Right side at 10mm	0.499	0.164	0.161	0.291	0.004	0.82	0.96
		Top side at 10mm	0.499	0.126	0.140	0.508	0.001	0.77	1.13
		Bottom side at 10mm	0.499	0.178				0.68	0.68
LTE Band 41(38) All	FR1 n7 All Ant	Front at 10mm	0.499	0.466	0.147	0.254	0.009	1.11	1.23
		Back at 10mm	0.499	0.466	0.169	0.497	0.004	1.13	1.47

Ant		Left side at 10mm	0.499	0.466				0.97	0.97
		Right side at 10mm	0.499	0.466	0.161	0.291	0.004	1.13	1.26
		Top side at 10mm	0.499	0.466	0.140	0.508	0.001	1.11	1.47
		Bottom side at 10mm	0.499	0.466				0.97	0.97
LTE Band 41(38) All Ant	FR1 n77(78) All Ant	Front at 10mm	0.499	0.200	0.147	0.254	0.009	0.85	0.96
		Back at 10mm	0.499	0.503	0.169	0.497	0.004	1.17	1.50
		Left side at 10mm	0.499	0.543				1.04	1.04
		Right side at 10mm	0.499	0.723	0.161	0.291	0.004	1.38	1.52
		Top side at 10mm	0.499	0.504	0.140	0.508	0.001	1.14	1.51
		Bottom side at 10mm	0.499	0.427				0.93	0.93

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 41(38) All Ant	FR1 n41(38) All Ant	Front at 10mm	0.499	0.235	0.147	0.254	0.009	0.88	1.00
		Back at 10mm	0.499	0.412	0.169	0.497	0.004	1.08	1.41
		Left side at 10mm	0.499	0.415				0.91	0.91
		Right side at 10mm	0.499	0.185	0.161	0.291	0.004	0.85	0.98
		Top side at 10mm	0.499	0.585	0.140	0.508	0.001	1.22	1.59
		Bottom side at 10mm	0.499	0.403				0.90	0.90
LTE Band 66 All Ant	FR1 n5 All Ant	Front at 10mm	0.432	0.138	0.147	0.254	0.009	0.72	0.83
		Back at 10mm	0.432	0.327	0.169	0.497	0.004	0.93	1.26
		Left side at 10mm	0.432	0.100				0.53	0.53
		Right side at 10mm	0.432	0.164	0.161	0.291	0.004	0.76	0.89
		Top side at 10mm	0.432	0.126	0.140	0.508	0.001	0.70	1.07
		Bottom side at 10mm	0.432	0.178				0.61	0.61
LTE Band 66 All Ant	FR1 n7 All Ant	Front at 10mm	0.432	0.466	0.147	0.254	0.009	1.05	1.16
		Back at 10mm	0.432	0.466	0.169	0.497	0.004	1.07	1.40
		Left side at 10mm	0.432	0.466				0.90	0.90
		Right side at 10mm	0.432	0.466	0.161	0.291	0.004	1.06	1.19
		Top side at 10mm	0.432	0.466	0.140	0.508	0.001	1.04	1.41
		Bottom side at 10mm	0.432	0.466				0.90	0.90
LTE Band 66 All Ant	FR1 n41(38) All Ant	Front at 10mm	0.432	0.235	0.147	0.254	0.009	0.81	0.93
		Back at 10mm	0.432	0.412	0.169	0.497	0.004	1.01	1.35
		Left side at 10mm	0.432	0.415				0.85	0.85
		Right side at 10mm	0.432	0.185	0.161	0.291	0.004	0.78	0.91
		Top side at 10mm	0.432	0.585	0.140	0.508	0.001	1.16	1.53
		Bottom side at 10mm	0.432	0.403				0.84	0.84
LTE Band 66 All Ant	FR1 n66 All Ant	Front at 10mm	0.432	0.506	0.147	0.254	0.009	1.09	1.20
		Back at 10mm	0.432	0.506	0.169	0.497	0.004	1.11	1.44
		Left side at 10mm	0.432	0.506				0.94	0.94
		Right side at 10mm	0.432	0.506	0.161	0.291	0.004	1.10	1.23
		Top side at 10mm	0.432	0.506	0.140	0.508	0.001	1.08	1.45
		Bottom side at 10mm	0.432	0.506				0.94	0.94
LTE Band 66 All Ant	FR1 n77(78) All Ant	Front at 10mm	0.432	0.200	0.147	0.254	0.009	0.78	0.90
		Back at 10mm	0.432	0.503	0.169	0.497	0.004	1.10	1.44
		Left side at 10mm	0.432	0.543				0.98	0.98
		Right side at 10mm	0.432	0.723	0.161	0.291	0.004	1.32	1.45
		Top side at 10mm	0.432	0.504	0.140	0.508	0.001	1.08	1.45
		Bottom side at 10mm	0.432	0.427				0.86	0.86

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 5 All Ant	FR1 n7 All Ant	Top side at 15mm	0.151	0.540	0.140	0.508	0.001	0.83	1.20
		Bottom side at 15mm	0.151	0.540				0.69	0.69
LTE Band 5 All Ant	FR1 n41(38) All Ant	Top side at 15mm	0.151	0.560	0.140	0.508	0.001	0.85	1.22
		Bottom side at 15mm	0.151	0.576				0.73	0.73
LTE Band 5 All Ant	FR1 n77(78) All Ant	Top side at 15mm	0.151	0.561	0.140	0.508	0.001	0.85	1.22
		Bottom side at 15mm	0.151	0.509				0.66	0.66
LTE Band 2 All Ant	FR1 n7 All Ant	Top side at 15mm	0.536	0.540	0.140	0.508	0.001	1.22	1.59
		Bottom side at 15mm	0.353	0.540				0.89	0.89
LTE Band 2 All Ant	FR1 n41(38) All Ant	Top side at 15mm	0.524	0.560	0.140	0.508	0.001	1.22	1.59
		Bottom side at 15mm	0.353	0.576				0.93	0.93
LTE Band 2 All Ant	FR1 n66 All Ant	Top side at 15mm	0.524	0.328	0.140	0.508	0.001	0.99	1.36
		Bottom side at 15mm	0.353	0.328				0.68	0.68
LTE Band 2 All Ant	FR1 n77(78) All Ant	Top side at 15mm	0.524	0.561	0.140	0.508	0.001	1.23	1.59
		Bottom side at 15mm	0.353	0.509				0.86	0.86
LTE Band 7 All Ant	FR1 n7 All Ant	Top side at 15mm	0.460	0.540	0.140	0.508	0.001	1.14	1.51
		Bottom side at 15mm	0.427	0.540				0.97	0.97
LTE Band 7 All Ant	FR1 n41(38) All Ant	Top side at 15mm	0.460	0.560	0.140	0.508	0.001	1.16	1.53
		Bottom side at 15mm	0.427	0.576				1.00	1.00
LTE Band 7 All Ant	FR1 n66 All Ant	Top side at 15mm	0.460	0.328	0.140	0.508	0.001	0.93	1.30
		Bottom side at 15mm	0.427	0.328				0.76	0.76
LTE Band 7 All Ant	FR1 n77(78) All Ant	Top side at 15mm	0.460	0.561	0.140	0.508	0.001	1.16	1.53
		Bottom side at 15mm	0.427	0.509				0.94	0.94
LTE Band 41(38) All Ant	FR1 n7 All Ant	Top side at 15mm	0.409	0.540	0.140	0.508	0.001	1.09	1.46
		Bottom side at 15mm	0.500	0.540				1.04	1.04
LTE Band 41(38) All Ant	FR1 n77(78) All Ant	Top side at 15mm	0.409	0.561	0.140	0.508	0.001	1.11	1.48
		Bottom side at 15mm	0.500	0.509				1.01	1.01

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 41(38) All Ant	FR1 n41(38) All Ant	Top side at 15mm	0.409	0.560	0.140	0.508	0.001	1.11	1.48
		Bottom side at 15mm	0.500	0.576				1.08	1.08
LTE Band 66 All Ant	FR1 n7 All Ant	Top side at 15mm	0.338	0.540	0.140	0.508	0.001	1.02	1.39
		Bottom side at 15mm	0.338	0.540				0.88	0.88
LTE Band 66 All Ant	FR1 n41(38) All Ant	Top side at 15mm	0.338	0.560	0.140	0.508	0.001	1.04	1.41
		Bottom side at 15mm	0.338	0.576				0.91	0.91
LTE Band 66 All Ant	FR1 n66 All Ant	Top side at 15mm	0.338	0.328	0.140	0.508	0.001	0.81	1.18
		Bottom side at 15mm	0.338	0.328				0.67	0.67
LTE Band 66 All Ant	FR1 n77(78) All Ant	Top side at 15mm	0.338	0.561	0.140	0.508	0.001	1.04	1.41
		Bottom side at 15mm	0.338	0.509				0.85	0.85

16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3+4
		WWAN	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
WWAN All Band	Front	0.488	0.068	0.293	0.003	0.56	0.78
	Back	1.092	0.079	0.482	0.014	1.17	**1.59**

<5G NR ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 5 All Ant	FR1 n7 All Ant	Front	0.134	0.510	0.068	0.293	0.003	0.71	0.94
		Back	0.192	0.510	0.079	0.482	0.014	0.78	1.20
LTE Band 5 All Ant	FR1 n41(38) All Ant	Front	0.134	0.217	0.068	0.293	0.003	0.42	0.65
		Back	0.192	0.475	0.079	0.482	0.014	0.75	1.16
LTE Band 5 All Ant	FR1 n77(78) All Ant	Front	0.134	0.366	0.068	0.293	0.003	0.57	0.80
		Back	0.192	0.527	0.079	0.482	0.014	0.80	1.22
LTE Band 2 All Ant	FR1 n5 All Ant	Front	0.350	0.154	0.068	0.293	0.003	0.57	0.80
		Back	0.470	0.209	0.079	0.482	0.014	0.76	1.18
LTE Band 2 All Ant	FR1 n7 All Ant	Front	0.350	0.510	0.068	0.293	0.003	0.93	1.16
		Back	0.470	0.510	0.079	0.482	0.014	1.06	1.48
LTE Band 2 All Ant	FR1 n41(38) All Ant	Front	0.350	0.217	0.068	0.293	0.003	0.64	0.86
		Back	0.470	0.475	0.079	0.482	0.014	1.02	1.44
LTE Band 2 All Ant	FR1 n66 All Ant	Front	0.350	0.297	0.068	0.293	0.003	0.72	0.94
		Back	0.470	0.373	0.079	0.482	0.014	0.92	1.34
LTE Band 2 All Ant	FR1 n77(78) All Ant	Front	0.350	0.366	0.068	0.293	0.003	0.78	1.01
		Back	0.470	0.527	0.079	0.482	0.014	1.08	1.49
LTE Band 7 All Ant	FR1 n5 All Ant	Front	0.524	0.154	0.068	0.293	0.003	0.75	0.97
		Back	0.524	0.209	0.079	0.482	0.014	0.81	1.23
LTE Band 7 All Ant	FR1 n7 All Ant	Front	0.524	0.510	0.068	0.293	0.003	1.10	1.33
		Back	0.524	0.510	0.079	0.482	0.014	1.11	1.53
LTE Band 7 All Ant	FR1 n41(38) All Ant	Front	0.524	0.217	0.068	0.293	0.003	0.81	1.04
		Back	0.524	0.475	0.079	0.482	0.014	1.08	1.50
LTE Band 7 All Ant	FR1 n66 All Ant	Front	0.524	0.297	0.068	0.293	0.003	0.89	1.12
		Back	0.524	0.373	0.079	0.482	0.014	0.98	1.39
LTE Band 7 All Ant	FR1 n77(78) All Ant	Front	0.524	0.366	0.068	0.293	0.003	0.96	1.19
		Back	0.524	0.527	0.079	0.482	0.014	1.13	1.55
LTE Band 41(38) All Ant	FR1 n5 All Ant	Front	0.152	0.154	0.068	0.293	0.003	0.37	0.60
		Back	0.250	0.209	0.079	0.482	0.014	0.54	0.96
LTE Band 41(38) All Ant	FR1 n7 All Ant	Front	0.152	0.510	0.068	0.293	0.003	0.73	0.96
		Back	0.250	0.510	0.079	0.482	0.014	0.84	1.26
LTE Band 41(38) All Ant	FR1 n77(78) All Ant	Front	0.152	0.366	0.068	0.293	0.003	0.59	0.81
		Back	0.250	0.527	0.079	0.482	0.014	0.86	1.27
LTE Band 41(38) All Ant	FR1 n41(38) All Ant	Front	0.152	0.217	0.068	0.293	0.003	0.44	0.67
		Back	0.250	0.475	0.079	0.482	0.014	0.80	1.22
LTE Band 66 All Ant	FR1 n5 All Ant	Front	0.306	0.154	0.068	0.293	0.003	0.53	0.76
		Back	0.347	0.209	0.079	0.482	0.014	0.64	1.05

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4+5
			WWAN	FR1	2.4GHz WLAN Ant 6	5GHz WLAN Ant 6	Bluetooth Ant 6	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)
LTE Band 66 All Ant	FR1 n7 All Ant	Front	0.154	0.510	0.068	0.293	0.003	0.73	0.96
		Back	0.209	0.510	0.079	0.482	0.014	0.80	1.22
LTE Band 66 All Ant	FR1 n41(38) All Ant	Front	0.154	0.217	0.068	0.293	0.003	0.44	0.67
		Back	0.209	0.475	0.079	0.482	0.014	0.76	1.18
LTE Band 66 All Ant	FR1 n66 All Ant	Front	0.154	0.297	0.068	0.293	0.003	0.52	0.75
		Back	0.209	0.373	0.079	0.482	0.014	0.66	1.08
LTE Band 66 All Ant	FR1 n77(78) All Ant	Front	0.154	0.366	0.068	0.293	0.003	0.59	0.82
		Back	0.209	0.527	0.079	0.482	0.014	0.82	1.23

Test Engineer : Nick Hu, Seven Xu, Bruce Li

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 ≤ 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.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.19

System Check_Head_750MHz

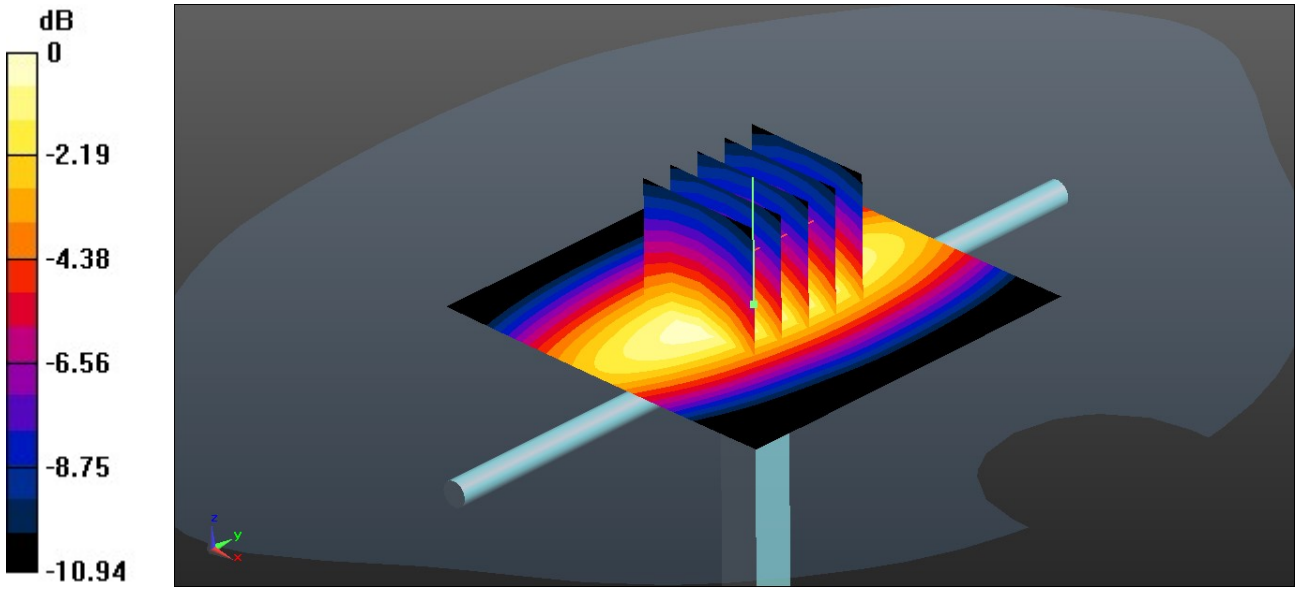
DUT: D750V3 - SN:1087

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 750 MHz; σ = 0.906 S/m; ε_r = 42.762; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(10.25, 10.25, 10.25); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.576 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.44 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg = -2.40 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.21

System Check_Head_835MHz

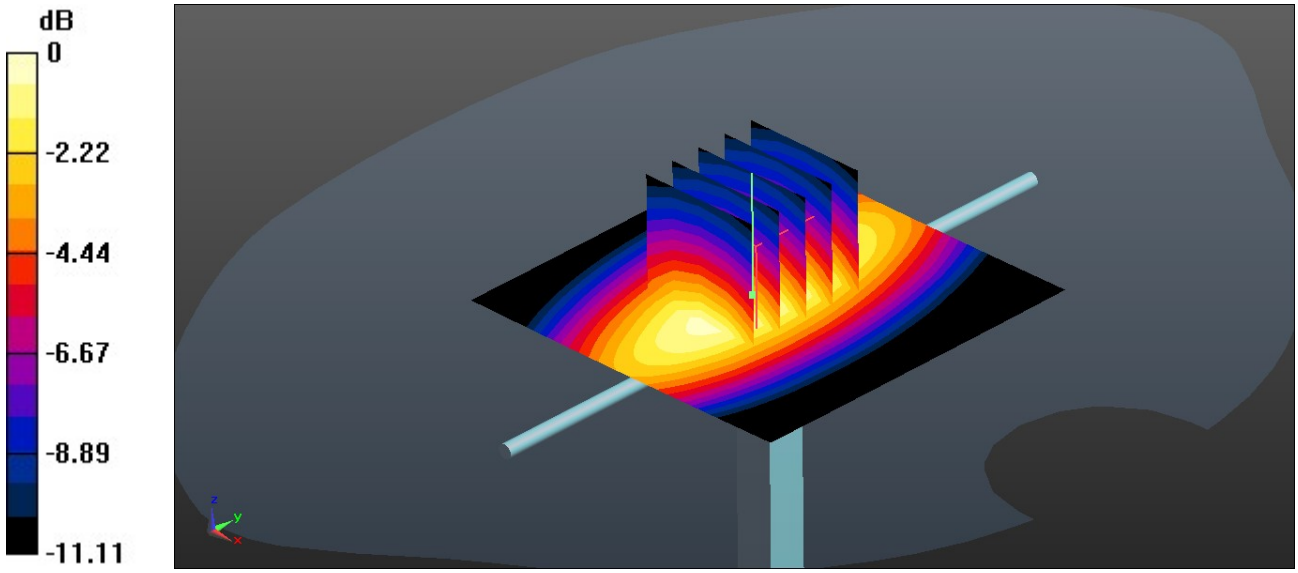
DUT: D835V2 - SN:4d258

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 835 MHz; σ = 0.935 S/m; ε_r = 42.525; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(9.98, 9.98, 9.98); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.632 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.8 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.730 W/kg
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.307 W/kg
Maximum value of SAR (measured) = 0.642 W/kg



0 dB = 0.642 W/kg = -1.92 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.23

System Check_Head_1750MHz

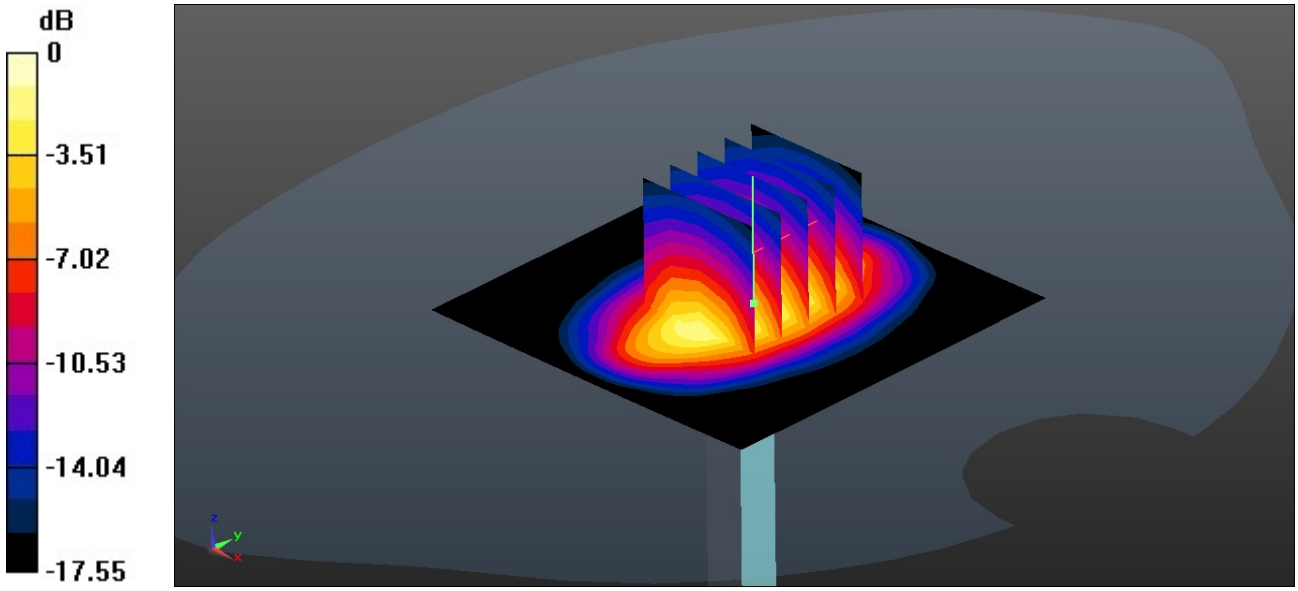
DUT: D1750V2 - SN:1090

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1750 MHz; σ = 1.37 S/m; ε_r = 41.29; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(8.45, 8.45, 8.45); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.90 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.26 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 1.87 W/kg; SAR(10 g) = 0.985 W/kg
Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.25

System Check_Head_1900MHz

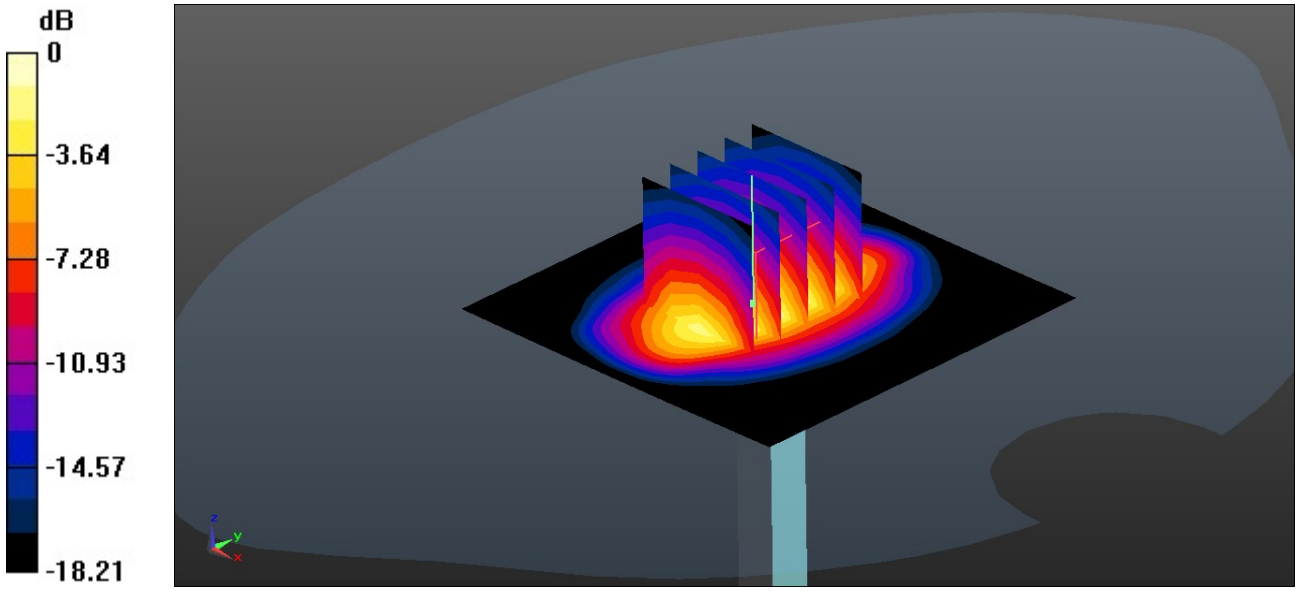
DUT: D1900V2 - SN:5d170

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1900 MHz; σ = 1.427 S/m; ε_r = 38.725; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(8.13, 8.13, 8.13); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.25 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.25 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.91 W/kg
SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.05 W/kg
Maximum value of SAR (measured) = 3.24 W/kg



0 dB = 3.24 W/kg = 5.11 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.27

System Check_Head_2450MHz

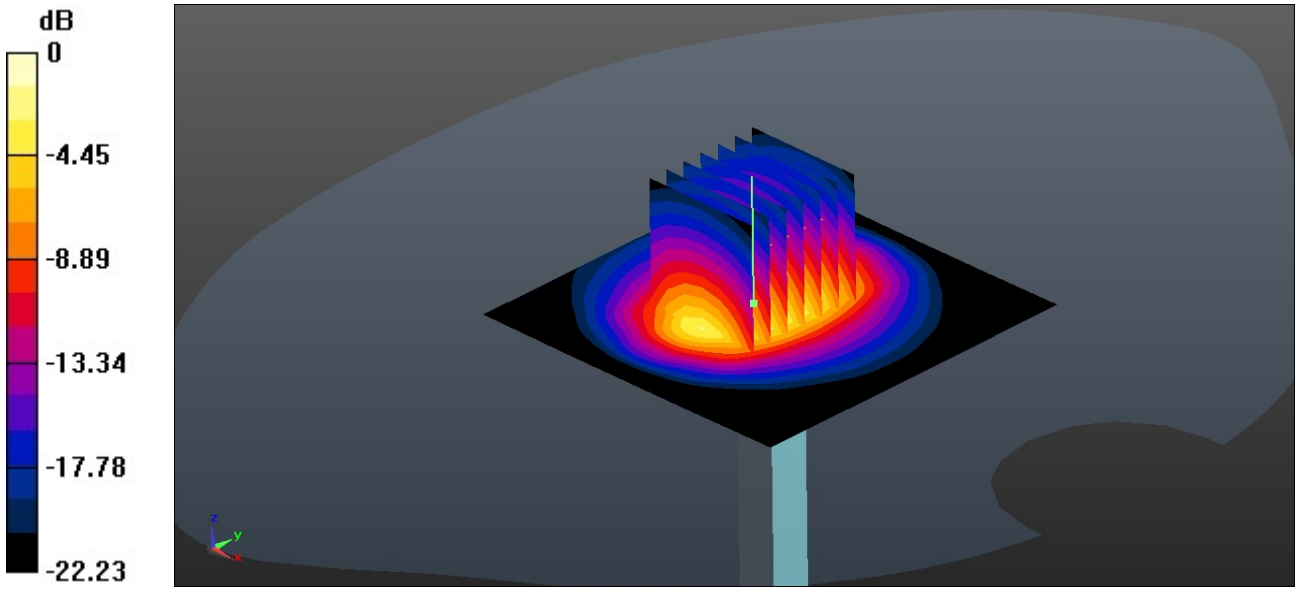
DUT: D2450V2 - SN:908

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2450 MHz; σ = 1.824 S/m; ε_r = 39.243; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(7.53, 7.53, 7.53); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.46 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.98 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 5.44 W/kg
SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 4.35 W/kg



0 dB = 4.35 W/kg = 6.38 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.29

System Check_Head_2600MHz

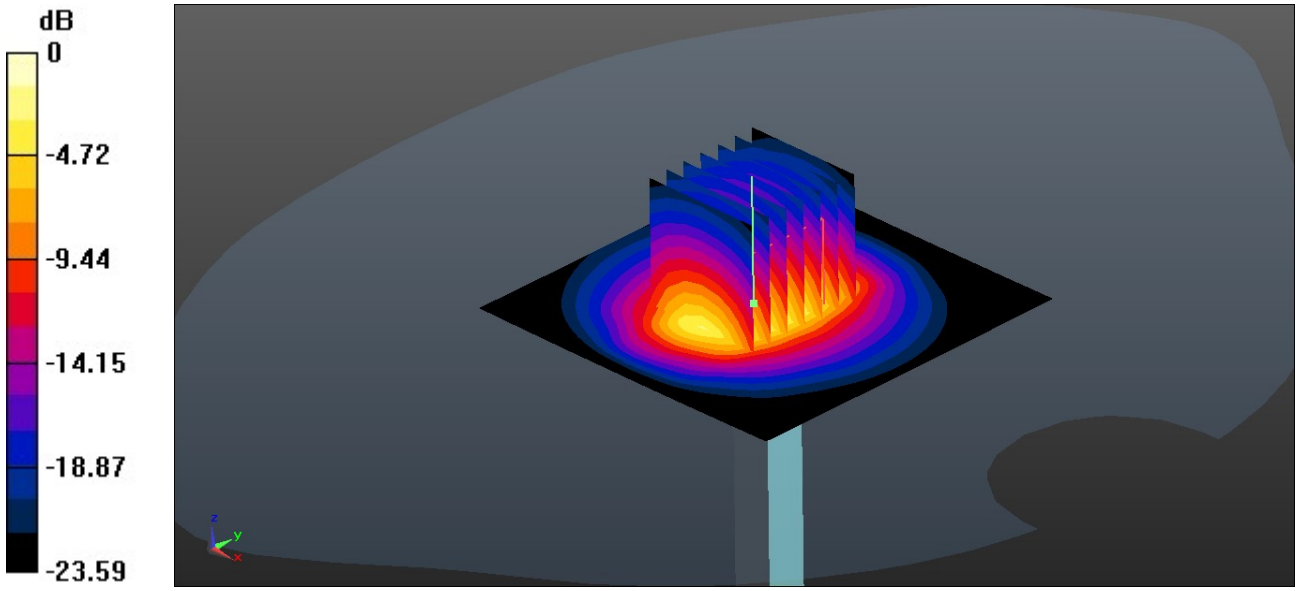
DUT: D2600V2 - SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2600 MHz; σ = 1.931 S/m; ε_r = 39.054; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(7.26, 7.26, 7.26); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 5.22 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.63 W/kg
SAR(1 g) = 3.02 W/kg; SAR(10 g) = 1.33 W/kg
Maximum value of SAR (measured) = 5.27 W/kg



0 dB = 5.27 W/kg = 7.22 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.29

System Check_Head_3500MHz

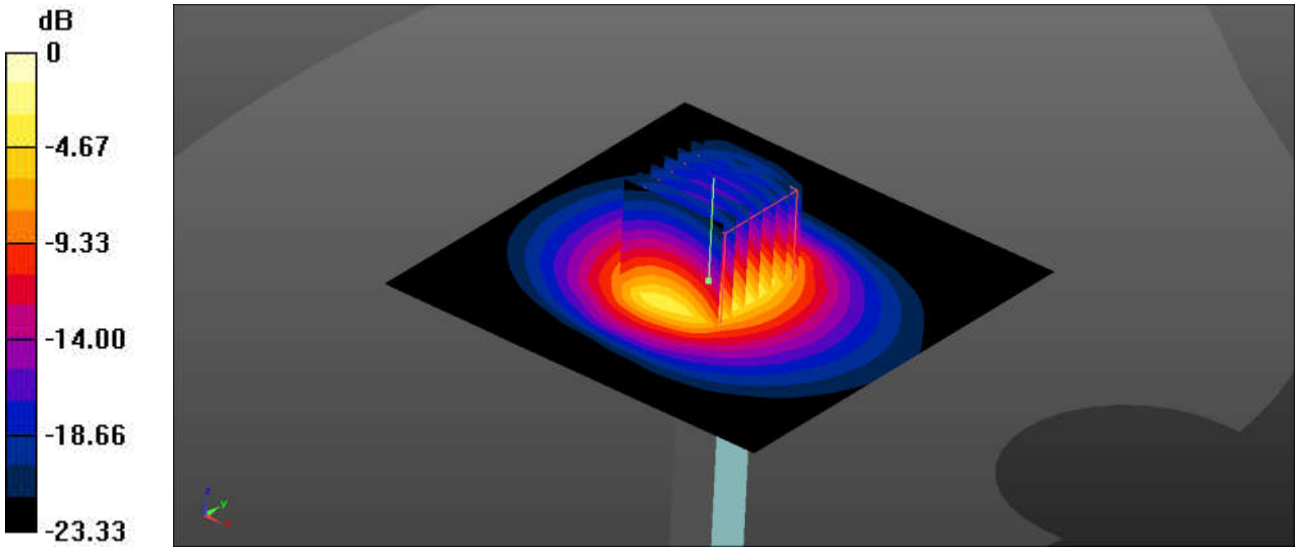
DUT: D3500V2 - SN:1037

Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium: HSL_3500 Medium parameters used: f = 3500 MHz; σ = 2.808 S/m; ε_r = 39.002; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(6.69, 6.69, 6.69); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.45 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 36.45 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 8.83 W/kg
SAR(1 g) = 3.29 W/kg; SAR(10 g) = 1.25 W/kg
Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg = 8.04 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.1

System Check_Head_3700MHz

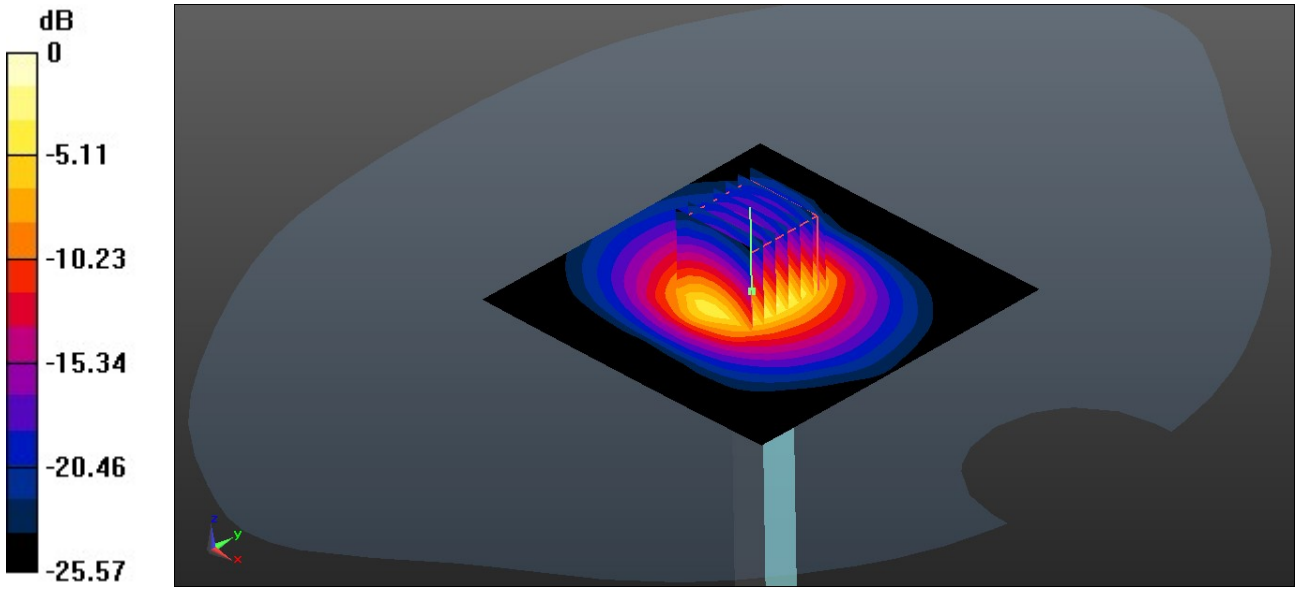
DUT: D3700V2 - SN:1008

Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium: HSL_3700 Medium parameters used: f = 3700 MHz; σ = 2.994 S/m; ε_r = 38.681; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(6.64, 6.64, 6.64); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.56 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 46.65 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 8.46 W/kg
SAR(1 g) = 3.25 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg = 8.04 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.3

System Check_Head_3900MHz

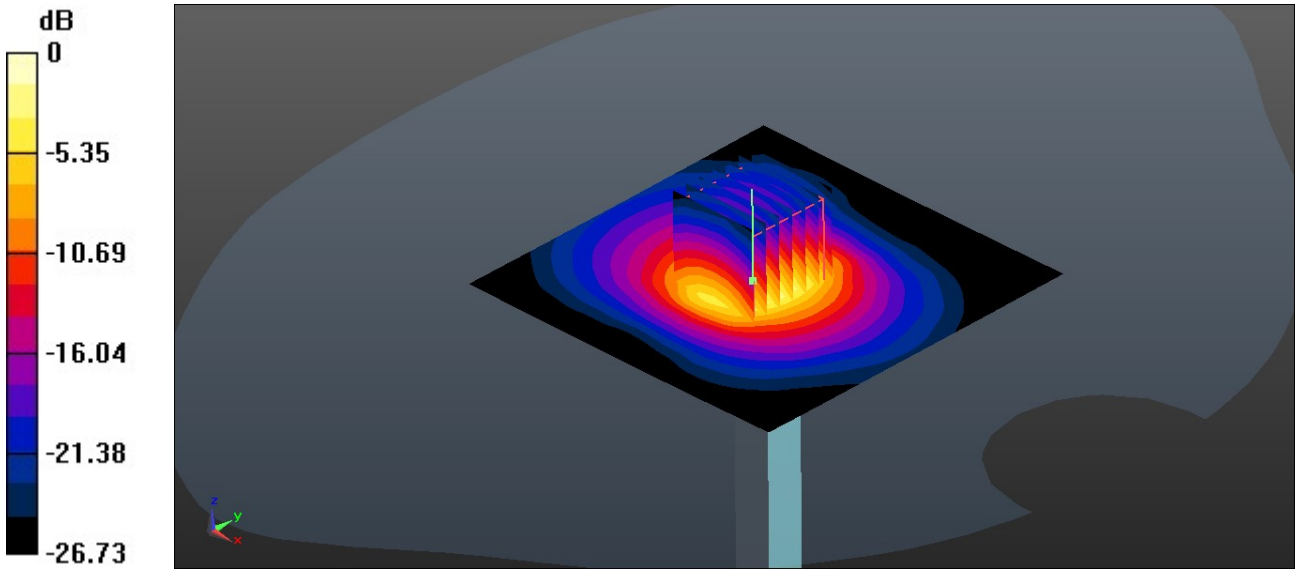
DUT: D3900V2 - SN:1048

Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium: HSL_3900 Medium parameters used: f = 3900 MHz; σ = 3.194 S/m; ε_r = 38.385; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(6.5, 6.5, 6.5); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.12 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 52.96 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 9.55 W/kg
SAR(1 g) = 3.51 W/kg; SAR(10 g) = 1.25 W/kg
Maximum value of SAR (measured) = 7.11 W/kg



0 dB = 7.11 W/kg = 9.1 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.5

System Check_Head_5250MHz

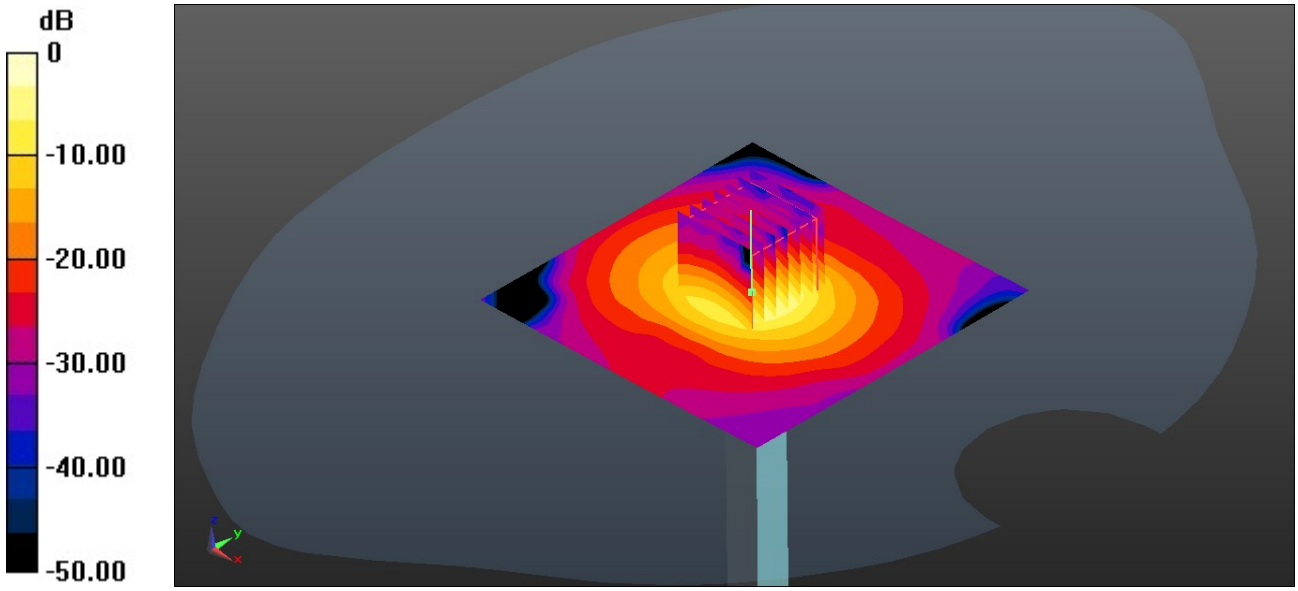
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5250 MHz; σ = 4.552 S/m; ε_r = 36.211; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(5.38, 5.38, 5.38); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.09 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.07 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 16.4 W/kg
SAR(1 g) = 3.87 W/kg; SAR(10 g) = 1.1 W/kg
Maximum value of SAR (measured) = 9.88 W/kg



0 dB = 9.88 W/kg = 9.95 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.7

System Check_Head_5600MHz

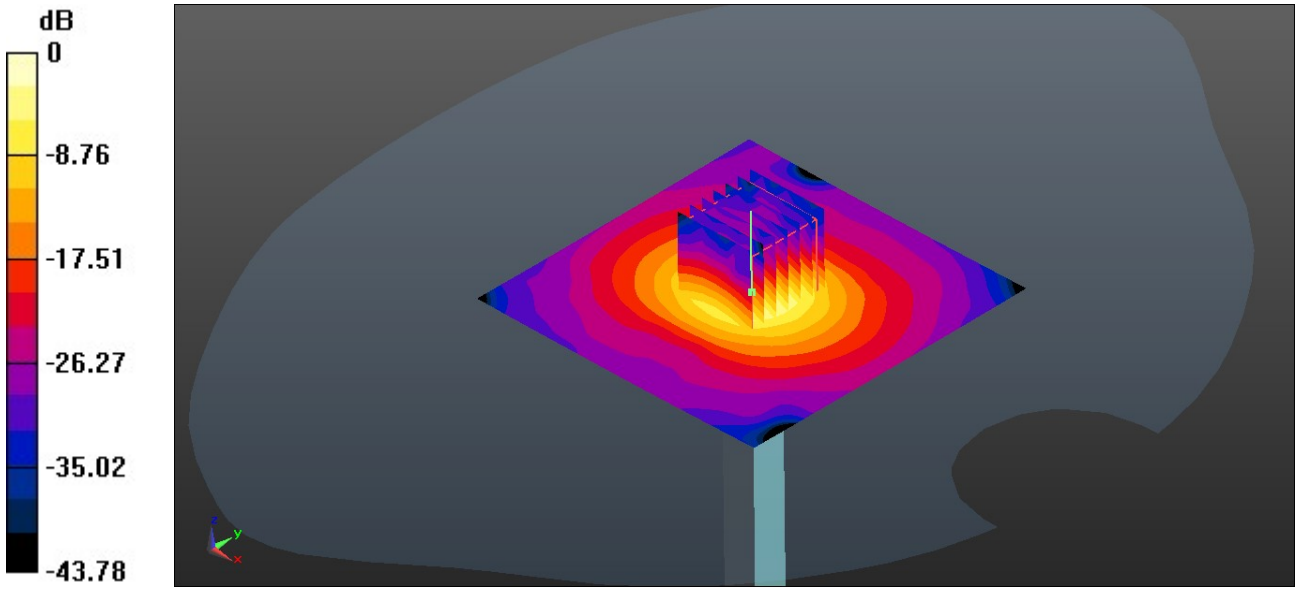
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5600 MHz; σ = 4.933 S/m; ε_r = 35.666; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(4.68, 4.68, 4.68); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.50 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 49.48 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 3.9 W/kg; SAR(10 g) = 1.13 W/kg
Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.9

System Check_Head_5750MHz

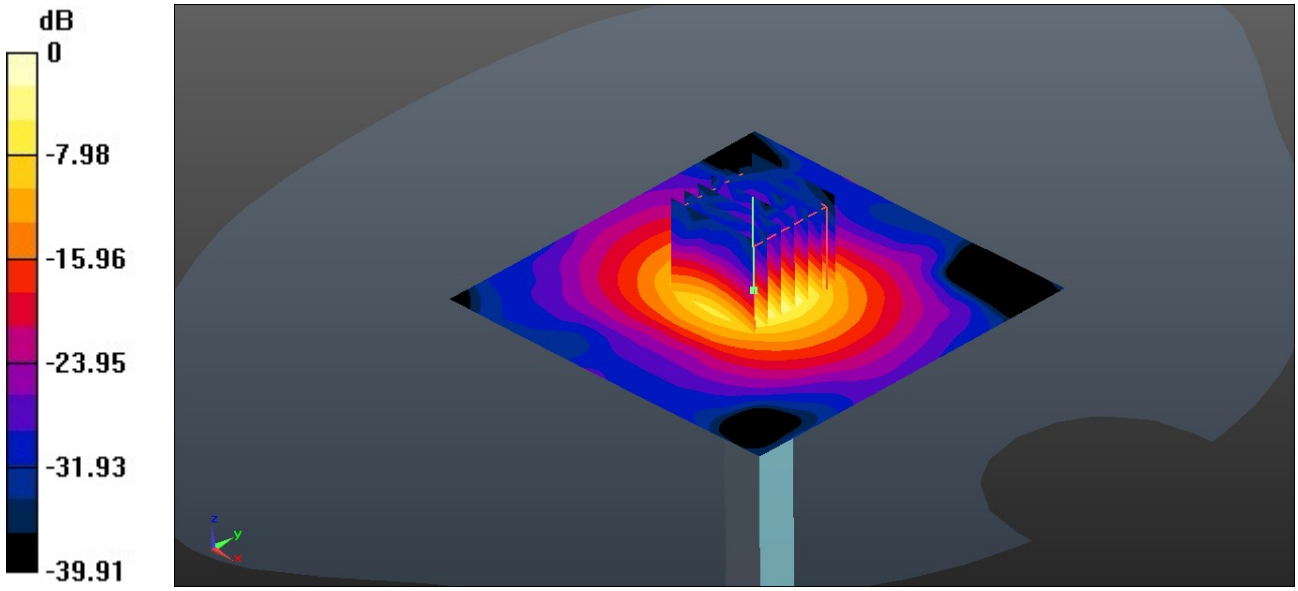
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5750 MHz; σ = 5.097 S/m; ε_r = 35.471; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(4.82, 4.82, 4.82); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.69 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.79 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 19.3 W/kg
SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.14 W/kg
Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.22

System Check_Head_750MHz

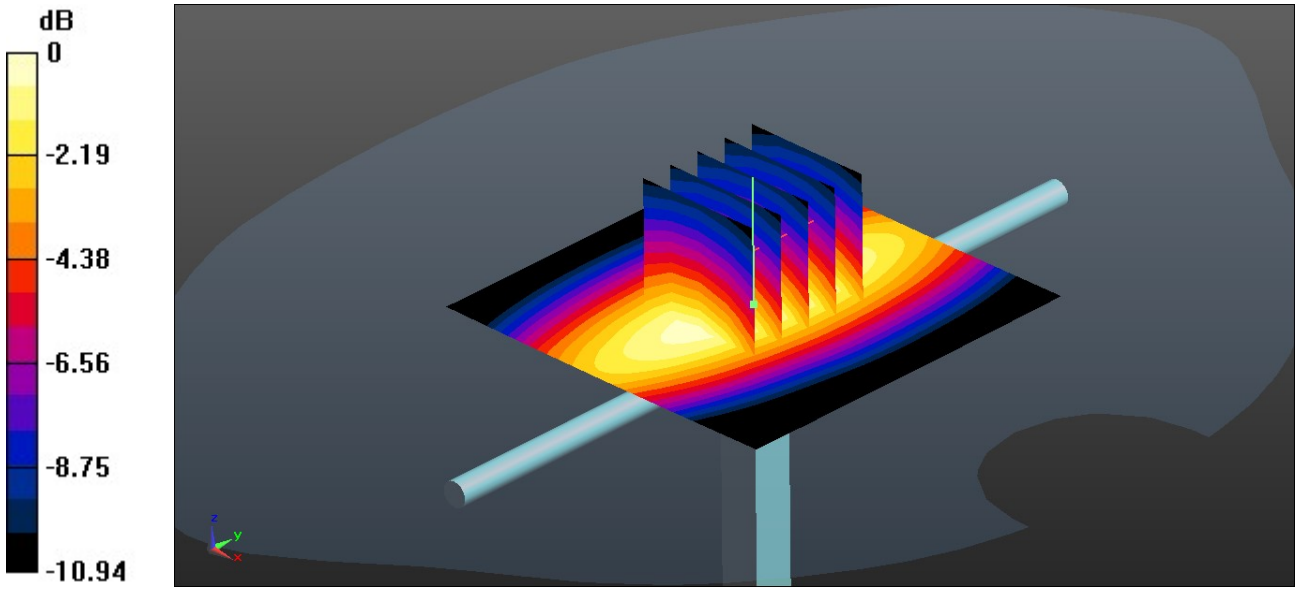
DUT: D750V3 - SN:1087

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 750 MHz; σ = 0.905 S/m; ε_r = 42.768; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(10.25, 10.25, 10.25); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.576 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.44 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.661 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.276 W/kg
Maximum value of SAR (measured) = 0.576 W/kg



0 dB = 0.576 W/kg = -2.40 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.24

System Check_Head_835MHz

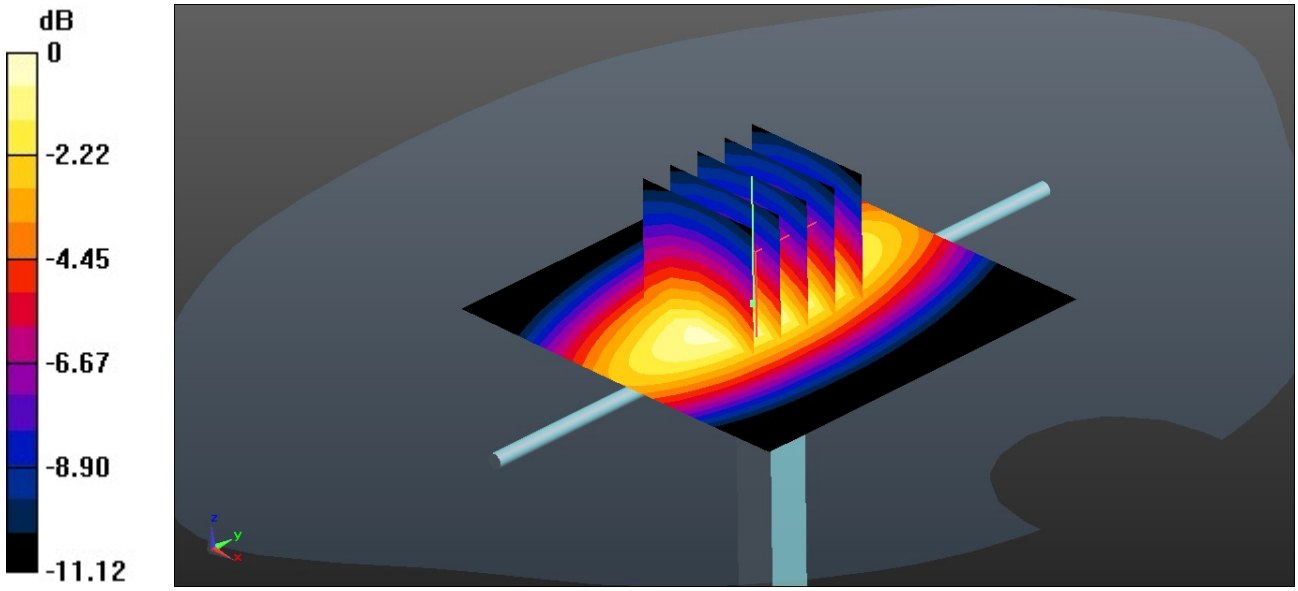
DUT: D835V2 - SN:4d258

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 835 MHz; σ = 0.936 S/m; ε_r = 42.529; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(9.98, 9.98, 9.98); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.619 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.21 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.300 W/kg
Maximum value of SAR (measured) = 0.628 W/kg



0 dB = 0.628 W/kg = -2.02 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.25

System Check_Head_1750MHz

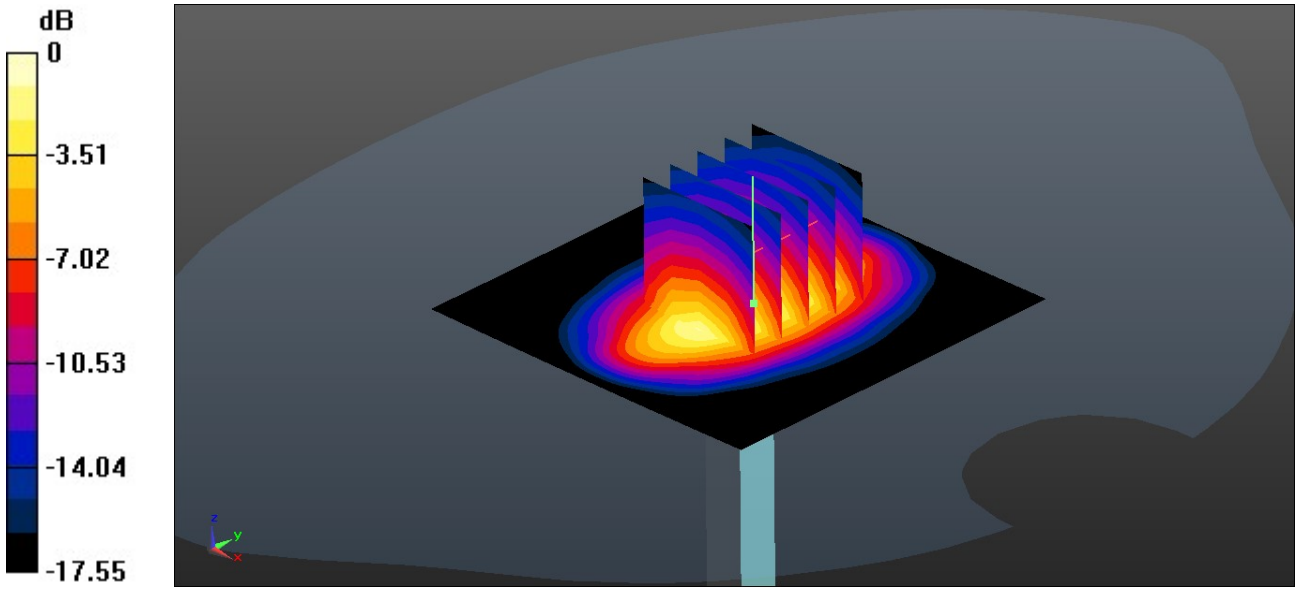
DUT: D1750V2 - SN:1090

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1750 MHz; σ = 1.371 S/m; ε_r = 41.287; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(8.45, 8.45, 8.45); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.90 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.26 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 1.87 W/kg; SAR(10 g) = 0.985 W/kg
Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.28

System Check_Head_1900MHz

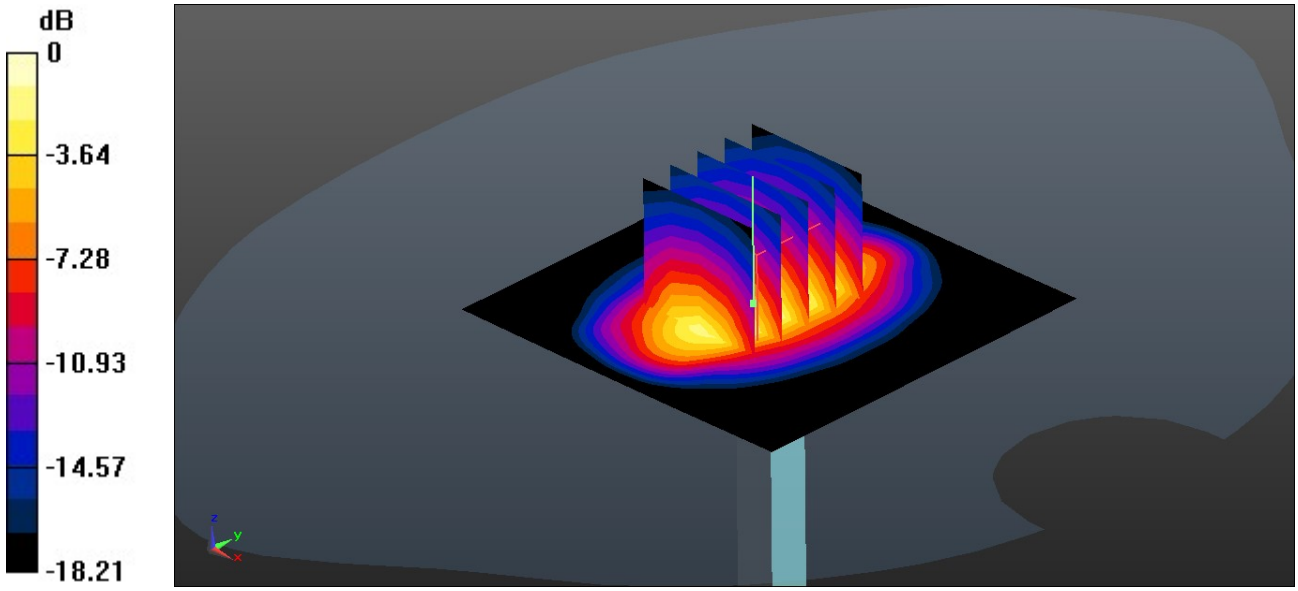
DUT: D1900V2 - SN:5d170

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1900 MHz; σ = 1.435 S/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(8.13, 8.13, 8.13); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.26 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.25 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 3.93 W/kg
SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.06 W/kg
Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 3.26 W/kg = 5.13 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.29

System Check_Head_2450MHz

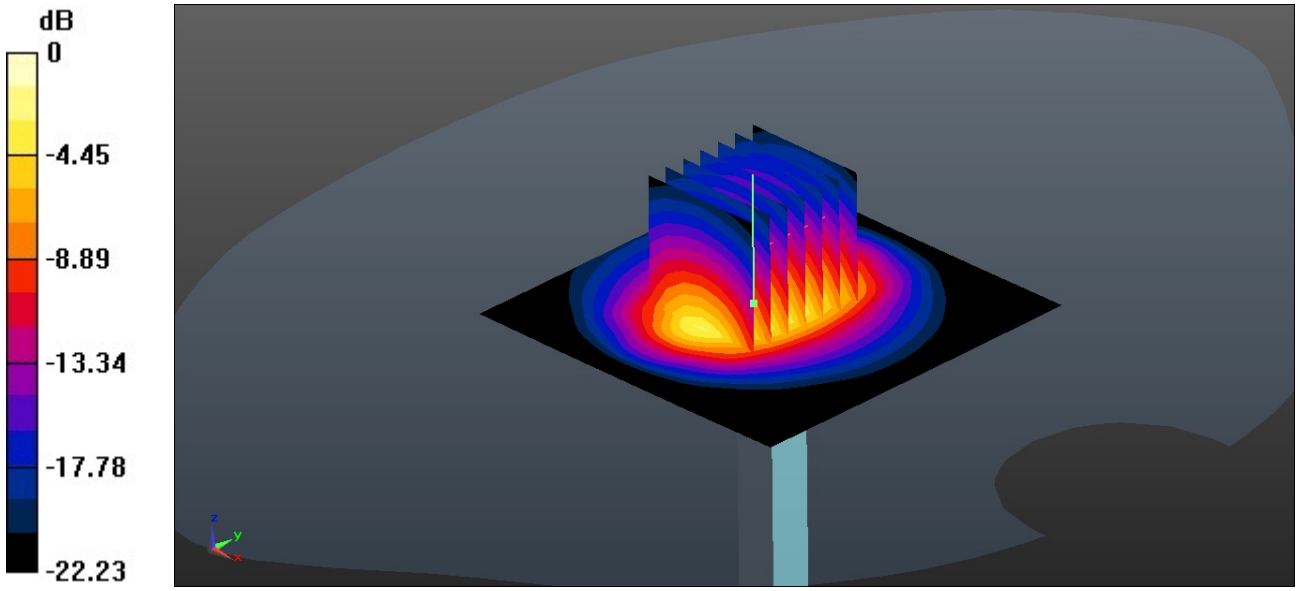
DUT: D2450V2 - SN:908

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2450 MHz; σ = 1.825 S/m; ε_r = 39.239; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(7.53, 7.53, 7.53); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.46 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.98 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 5.44 W/kg
SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 4.35 W/kg



0 dB = 4.35 W/kg = 6.38 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.31

System Check_Head_2600MHz

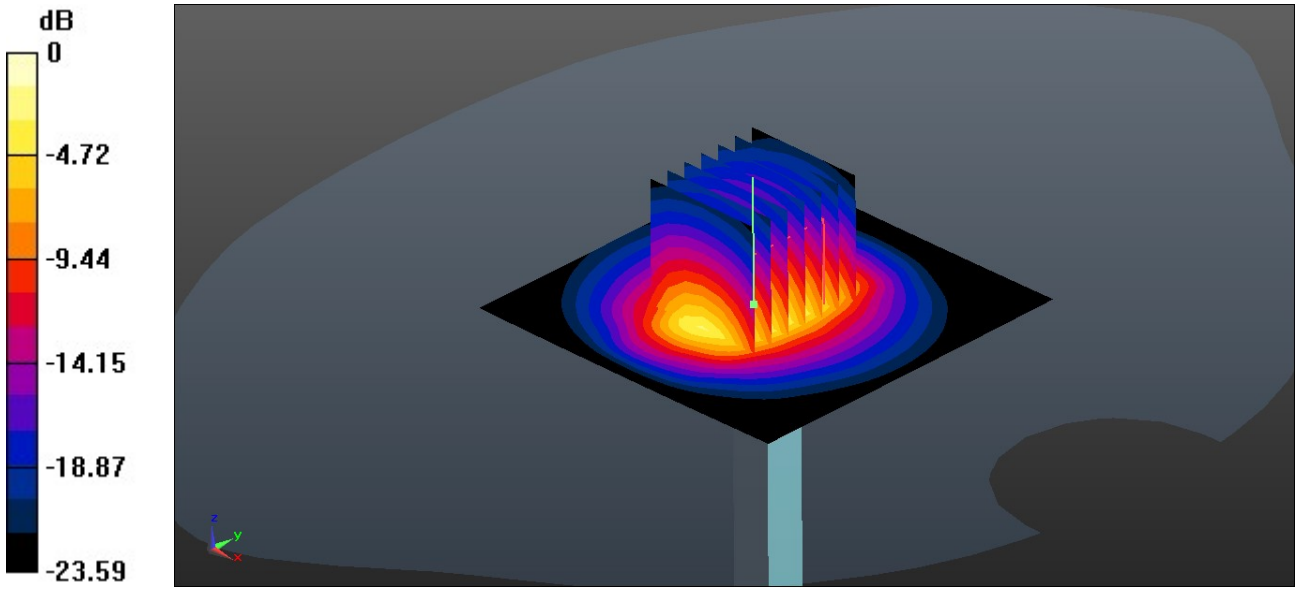
DUT: D2600V2 - SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2600 MHz; σ = 1.932 S/m; ε_r = 39.049; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(7.26, 7.26, 7.26); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 5.22 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.07 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 6.63 W/kg
SAR(1 g) = 3.02 W/kg; SAR(10 g) = 1.33 W/kg
Maximum value of SAR (measured) = 5.27 W/kg



0 dB = 5.27 W/kg = 7.22 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.2

System Check_Head_3500MHz

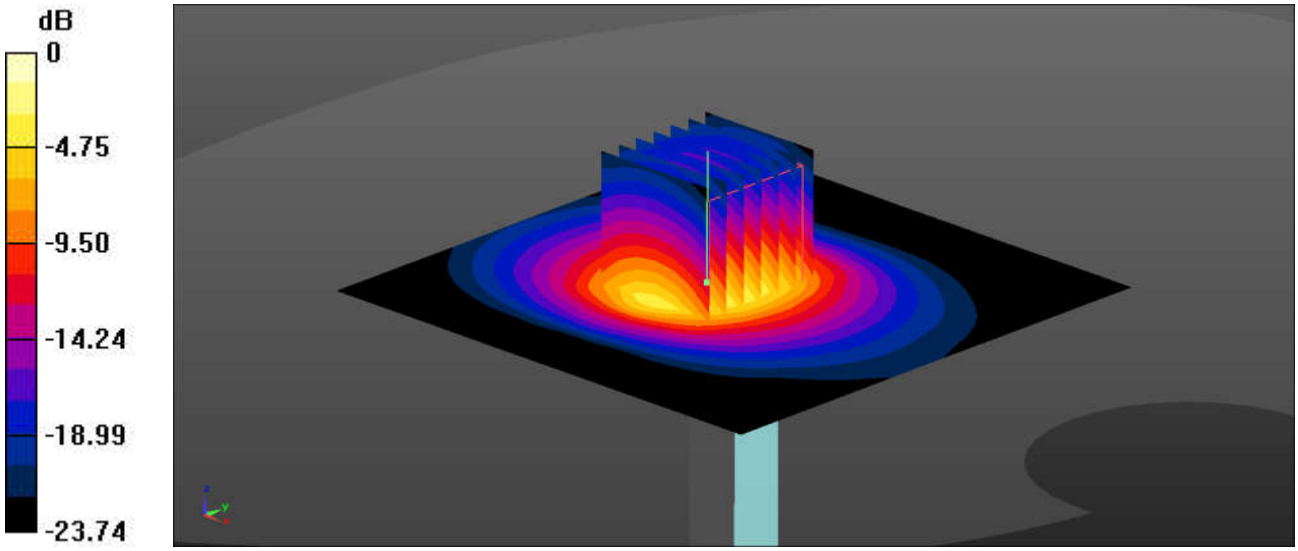
DUT: D3500V2 - SN:1037

Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium: HSL_3500 Medium parameters used: f = 3500 MHz; σ = 2.85 S/m; ε_r = 38.606; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(6.69, 6.69, 6.69); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.15 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 32.17 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 8.53 W/kg
SAR(1 g) = 3.14 W/kg; SAR(10 g) = 1.19 W/kg
Maximum value of SAR (measured) = 6.19 W/kg



0 dB = 6.19 W/kg = 7.92 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.2

System Check_Head_3700MHz

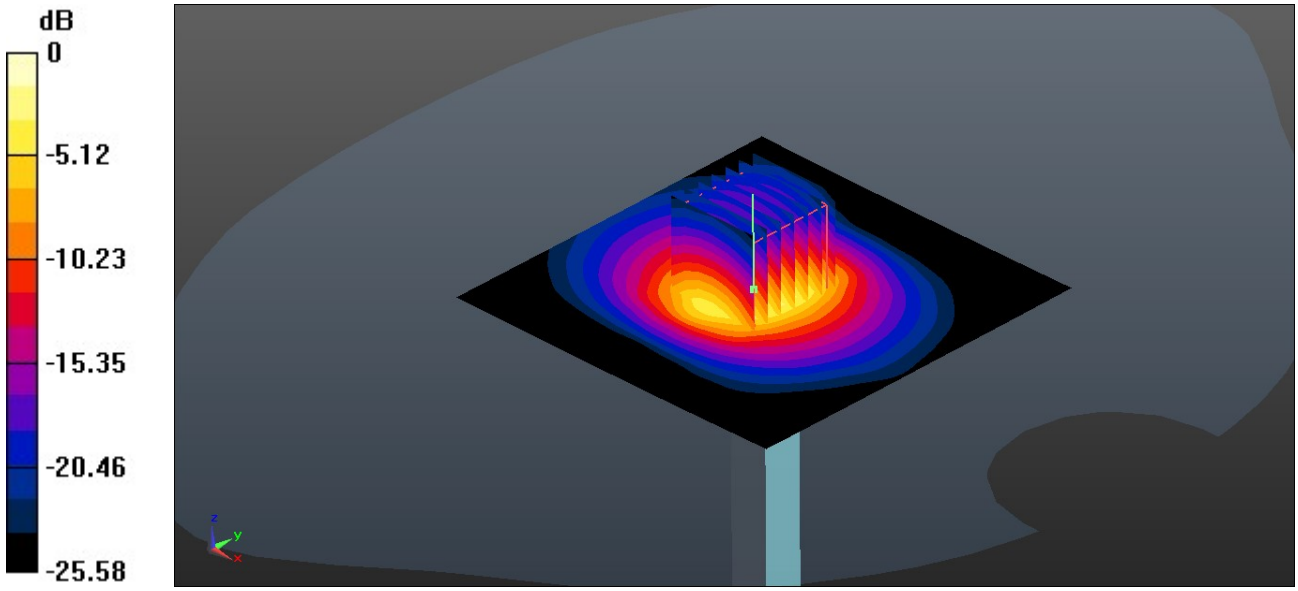
DUT: D3700V2 - SN:1008

Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium: HSL_3700 Medium parameters used: f = 3700 MHz; σ = 3.142 S/m; ε_r = 38.977; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(6.64, 6.64, 6.64); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.88 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 46.65 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 8.88 W/kg
SAR(1 g) = 3.41 W/kg; SAR(10 g) = 1.27 W/kg
Maximum value of SAR (measured) = 6.69 W/kg



0 dB = 6.69 W/kg = 8.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.3

System Check_Head_3900MHz

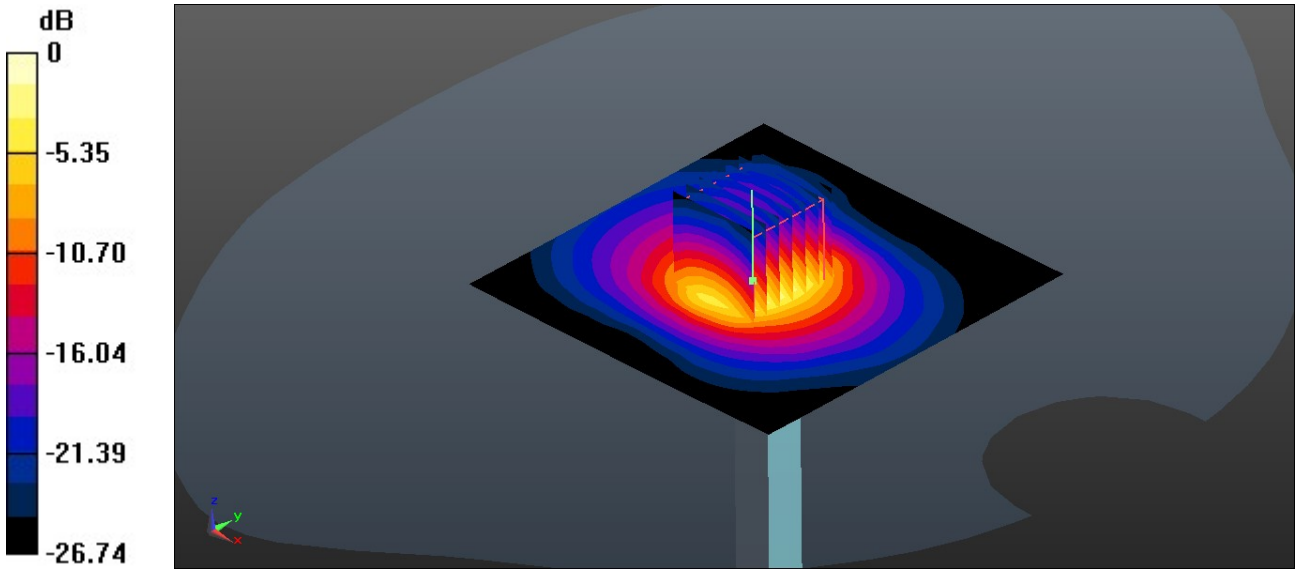
DUT: D3900V2 - SN:1048

Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium: HSL_3900 Medium parameters used: f = 3900 MHz; σ = 3.31 S/m; ε_r = 38.758; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(6.5, 6.5, 6.5); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.73 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.30 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 9.03 W/kg
SAR(1 g) = 3.32 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 6.72 W/kg



0 dB = 6.72 W/kg = 8.27 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.6

System Check_Head_5250MHz

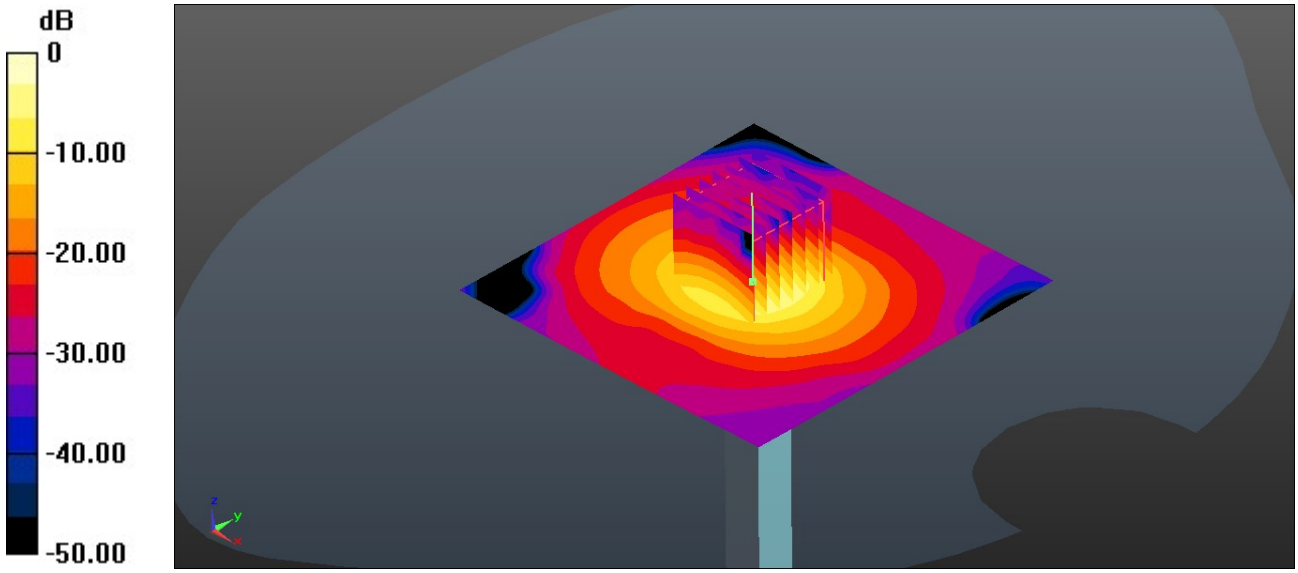
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5250 MHz; σ = 4.584 S/m; ε_r = 36.297; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(5.38, 5.38, 5.38); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.15 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.07 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 3.9 W/kg; SAR(10 g) = 1.11 W/kg
Maximum value of SAR (measured) = 9.95 W/kg



0 dB = 9.95 W/kg = 9.98 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.8

System Check_Head_5600MHz

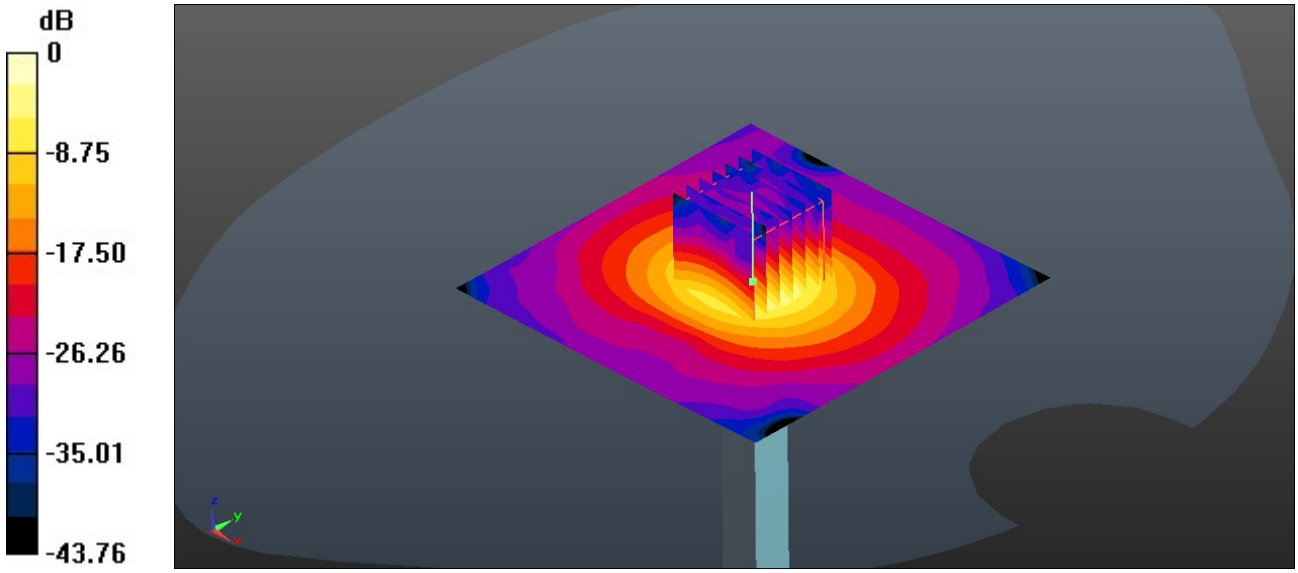
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5600 MHz; σ = 4.964 S/m; ε_r = 35.746; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(4.68, 4.68, 4.68); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.55 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 49.48 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 3.93 W/kg; SAR(10 g) = 1.14 W/kg
Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.10

System Check_Head_5750MHz

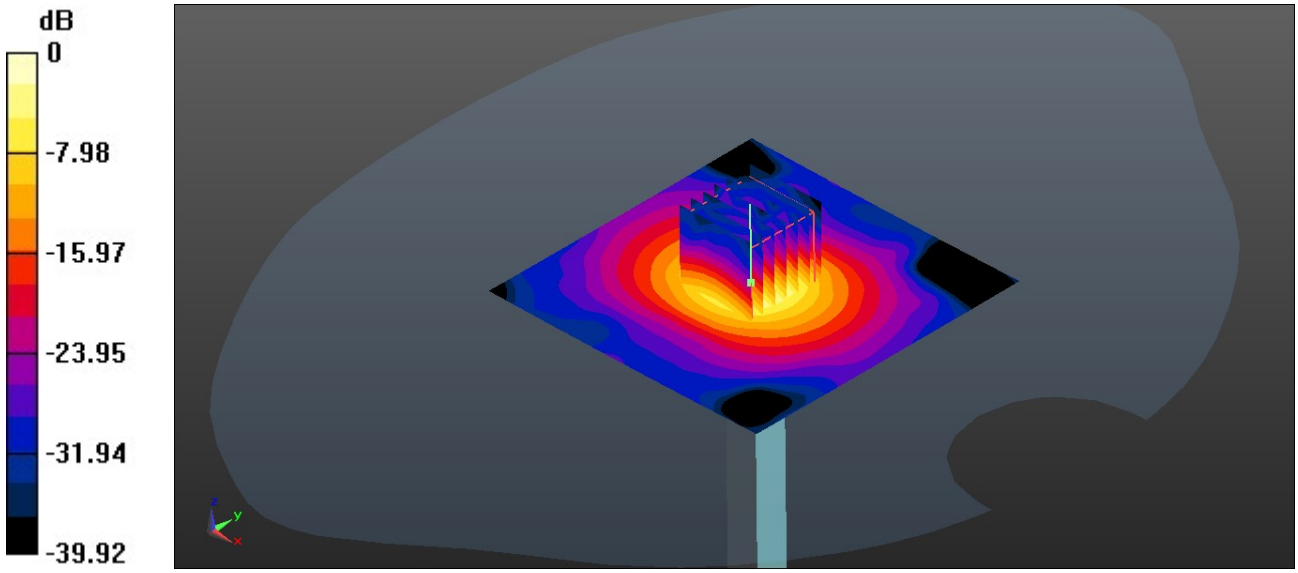
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5750 MHz; σ = 5.142 S/m; ε_r = 35.579; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(4.82, 4.82, 4.82); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.77 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.79 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 19.4 W/kg
SAR(1 g) = 4.05 W/kg; SAR(10 g) = 1.15 W/kg
Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 10.7 W/kg = 10.29 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.8.21

System Check_Head_750MHz

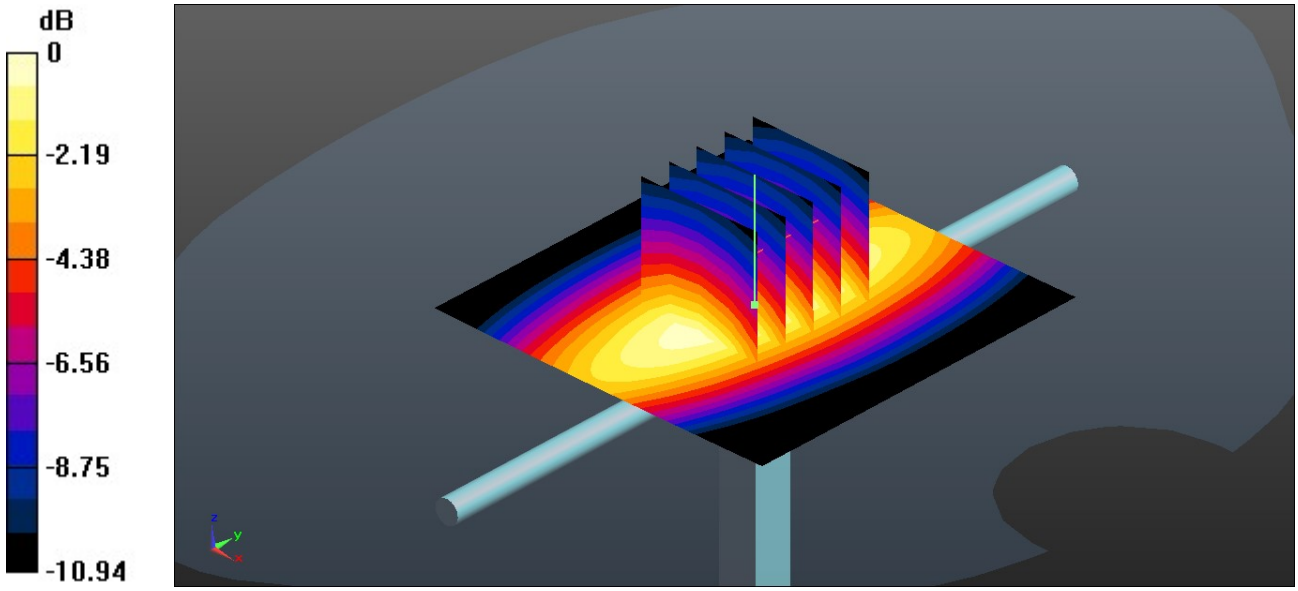
DUT: D750V3 - SN:1087

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 750 MHz; σ = 0.914 S/m; ε_r = 43.495; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7592; ConvF(10.25, 10.25, 10.25); Calibrated: 2021.6.24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2021.6.18
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.581 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.44 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.666 W/kg
SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg = -2.36 dBW/kg