

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	(Part27Q)	QPSK100M														
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Right Tilted	633334	Receiver On	6	1	137	-	24.00	23.31	-0.10	0.239	1.000	1.172	0.28
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Cheek	633334	Receiver On	6	1	137	-	24.00	23.31	0.05	0.152	1.000	1.172	0.18
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Tilted	633334	Receiver On	6	1	137	-	24.00	23.31	0.09	0.123	1.000	1.172	0.14
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Right Cheek	633334	Receiver On	6	135	69	-	24.00	23.29	-0.09	0.492	1.000	1.178	0.58
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Right Tilted	633334	Receiver On	6	135	69	-	24.00	23.29	-0.14	0.235	1.000	1.178	0.28
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Cheek	633334	Receiver On	6	135	69	-	24.00	23.29	-0.03	0.153	1.000	1.178	0.18
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Tilted	633334	Receiver On	6	135	69	-	24.00	23.29	0.03	0.124	1.000	1.178	0.15
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Right Cheek	656000	Receiver On	6	1	137	-	23.50	22.76	-0.04	0.239	1.000	1.186	0.28
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Right Tilted	656000	Receiver On	6	1	137	-	23.50	22.76	-0.02	0.131	1.000	1.186	0.16
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Cheek	656000	Receiver On	6	1	137	-	23.50	22.76	-0.10	0.123	1.000	1.186	0.15
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Tilted	656000	Receiver On	6	1	137	-	23.50	22.76	-0.09	0.073	1.000	1.186	0.09
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Right Cheek	656000	Receiver On	6	135	69	-	23.50	22.63	0.09	0.238	1.000	1.222	0.29
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Right Tilted	656000	Receiver On	6	135	69	-	23.50	22.63	-0.03	0.130	1.000	1.222	0.16
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Cheek	656000	Receiver On	6	135	69	-	23.50	22.63	-0.10	0.127	1.000	1.222	0.16
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Tilted	656000	Receiver On	6	135	69	-	23.50	22.63	0.06	0.057	1.000	1.222	0.07
	WLAN2.4G	802.11b	Right Cheek	6	Full	7	-	-	100.00	16.50	15.89	-0.10	0.217	1.000	1.150	0.25
	WLAN2.4G	802.11b	Right Tilted	6	Full	7	-	-	100.00	16.50	15.89	-0.05	0.277	1.000	1.150	0.32
	WLAN2.4G	802.11b	Left Cheek	6	Full	7	-	-	100.00	16.50	15.89	0.08	0.640	1.000	1.150	0.74
	WLAN2.4G	802.11b	Left Tilted	6	Full	7	-	-	100.00	16.50	15.89	-0.03	0.391	1.000	1.150	0.45
	WLAN2.4G	802.11b	Right Cheek	6	Full	8	-	-	100.00	16.50	15.55	-0.03	0.171	1.000	1.245	0.21
	WLAN2.4G	802.11b	Right Tilted	6	Full	8	-	-	100.00	16.50	15.55	-0.10	0.054	1.000	1.245	0.07
	WLAN2.4G	802.11b	Left Cheek	6	Full	8	-	-	100.00	16.50	15.55	-0.01	0.376	1.000	1.245	0.47
	WLAN2.4G	802.11b	Left Tilted	6	Full	8	-	-	100.00	16.50	15.55	0.13	0.097	1.000	1.245	0.12
	WLAN2.4G	802.11b	Right Cheek	6	Full	7+8	-	-	100.00	19.50	18.61	-0.05	0.299	1.000	1.227	0.37
	WLAN2.4G	802.11b	Right Tilted	6	Full	7+8	-	-	100.00	19.50	18.61	-0.10	0.291	1.000	1.227	0.36
	WLAN2.4G	802.11b	Left Cheek	6	Full	7+8	-	-	100.00	19.50	18.61	-0.02	0.756	1.000	1.227	0.93
	WLAN2.4G	802.11b	Left Tilted	6	Full	7+8	-	-	100.00	19.50	18.61	0.09	0.476	1.000	1.227	0.58
P28	WLAN2.4G	802.11b	Left Cheek	1	Full	7+8	-	-	100.00	19.50	18.59	0.05	0.953	1.000	1.234	1.18
	WLAN2.4G	802.11b	Left Cheek	11	Full	7+8	-	-	100.00	19.50	18.26	0.15	0.634	1.000	1.330	0.84
	WLAN5G	802.11ac80	Right Cheek	42	Full	7	-	-	88.16	18.00	16.80	-0.03	0.184	1.134	1.318	0.28
	WLAN5G	802.11ac80	Right Tilted	42	Full	7	-	-	88.16	18.00	16.80	0.03	0.150	1.134	1.318	0.22
	WLAN5G	802.11ac80	Left Cheek	42	Full	7	-	-	88.16	18.00	16.80	-0.06	0.696	1.134	1.318	1.04
	WLAN5G	802.11ac80	Left Tilted	42	Full	7	-	-	88.16	18.00	16.80	-0.12	0.346	1.134	1.318	0.52
	WLAN5G	802.11ac80	Right Cheek	42	Full	8	-	-	88.16	17.00	15.67	-0.10	0.042	1.134	1.358	0.06
	WLAN5G	802.11ac80	Right Tilted	42	Full	8	-	-	88.16	17.00	15.67	-0.03	0.036	1.134	1.358	0.06
	WLAN5G	802.11ac80	Left Cheek	42	Full	8	-	-	88.16	17.00	15.67	-0.09	0.231	1.134	1.358	0.36
	WLAN5G	802.11ac80	Left Tilted	42	Full	8	-	-	88.16	17.00	15.67	-0.05	0.064	1.134	1.358	0.10
	WLAN5G	802.11ac80	Right Cheek	42	Full	7+8	-	-	88.16	20.00	18.93	-0.09	0.232	1.134	1.280	0.34
	WLAN5G	802.11ac80	Right Tilted	42	Full	7+8	-	-	88.16	20.00	18.93	-0.04	0.195	1.134	1.280	0.28
P29	WLAN5G	802.11ac80	Left Cheek	42	Full	7+8	-	-	88.16	20.00	18.93	-0.01	0.928	1.134	1.280	1.35
	WLAN5G	802.11ac80	Left Tilted	42	Full	7+8	-	-	88.16	20.00	18.93	-0.14	0.500	1.134	1.280	0.73
	WLAN5G	802.11ac80	Right Cheek	58	Full	7	-	-	88.16	17.00	15.96	0.08	0.183	1.134	1.270	0.26
	WLAN5G	802.11ac80	Right Tilted	58	Full	7	-	-	88.16	17.00	15.96	0.09	0.162	1.134	1.270	0.23
	WLAN5G	802.11ac80	Left Cheek	58	Full	7	-	-	88.16	17.00	15.96	0.01	0.794	1.134	1.270	1.14
	WLAN5G	802.11ac80	Left Tilted	58	Full	7	-	-	88.16	17.00	15.96	0.07	0.309	1.134	1.270	0.45
	WLAN5G	802.11ac80	Right Cheek	58	Full	8	-	-	88.16	17.00	16.12	0.08	0.045	1.134	1.225	0.06
	WLAN5G	802.11ac80	Right Tilted	58	Full	8	-	-	88.16	17.00	16.12	-0.06	0.044	1.134	1.225	0.06
	WLAN5G	802.11ac80	Left Cheek	58	Full	8	-	-	88.16	17.00	16.12	-0.08	0.246	1.134	1.225	0.34
	WLAN5G	802.11ac80	Left Tilted	58	Full	8	-	-	88.16	17.00	16.12	0.13	0.068	1.134	1.225	0.09
	WLAN5G	802.11ac80	Right Cheek	58	Full	7+8	-	-	88.16	19.50	18.92	-0.01	0.225	1.134	1.144	0.29
	WLAN5G	802.11ac80	Right Tilted	58	Full	7+8	-	-	88.16	19.50	18.92	-0.16	0.191	1.134	1.144	0.25
P30	WLAN5G	802.11ac80	Left Cheek	58	Full	7+8	-	-	88.16	19.50	18.92	-0.15	1.050	1.134	1.144	1.36

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P31	WLAN5G	802.11ac80	Left Tilted	58	Full	7+8	-	-	88.16	19.50	18.92	-0.07	0.786	1.134	1.144	1.02
	WLAN5G	802.11ac80	Right Cheek	155	Full	7	-	-	88.16	16.00	15.34	0.04	0.139	1.134	1.165	0.18
	WLAN5G	802.11ac80	Right Tilted	155	Full	7	-	-	88.16	16.00	15.34	0.02	0.134	1.134	1.165	0.18
	WLAN5G	802.11ac80	Left Cheek	155	Full	7	-	-	88.16	16.00	15.34	-0.04	0.548	1.134	1.165	0.72
	WLAN5G	802.11ac80	Left Tilted	155	Full	7	-	-	88.16	16.00	15.34	0.11	0.309	1.134	1.165	0.41
	WLAN5G	802.11ac80	Right Cheek	155	Full	8	-	-	88.16	16.50	15.68	0.08	0.096	1.134	1.209	0.13
	WLAN5G	802.11ac80	Right Tilted	155	Full	8	-	-	88.16	16.50	15.68	-0.05	0.058	1.134	1.209	0.08
	WLAN5G	802.11ac80	Left Cheek	155	Full	8	-	-	88.16	16.50	15.68	0.09	0.344	1.134	1.209	0.47
	WLAN5G	802.11ac80	Left Tilted	155	Full	8	-	-	88.16	16.50	15.68	0.13	0.139	1.134	1.209	0.19
	WLAN5G	802.11ac80	Right Cheek	155	Full	7+8	-	-	88.16	19.50	18.22	-0.15	0.221	1.134	1.344	0.34
	WLAN5G	802.11ac80	Right Tilted	155	Full	7+8	-	-	88.16	19.50	18.22	-0.04	0.226	1.134	1.344	0.34
	WLAN5G	802.11ac80	Left Cheek	155	Full	7+8	-	-	88.16	19.50	18.22	-0.06	0.377	1.134	1.344	0.57
P32	WLAN5G	802.11ac80	Left Tilted	155	Full	7+8	-	-	88.16	19.50	18.22	0.15	0.246	1.134	1.344	0.38
	BT	GFSK	Right Cheek	0	Full	7	-	-	77.00	15.50	15.21	-0.13	0.080	1.299	1.069	0.11
	BT	GFSK	Right Tilted	0	Full	7	-	-	77.00	15.50	15.21	0.09	0.065	1.299	1.069	0.09
	BT	GFSK	Left Cheek	0	Full	7	-	-	77.00	15.50	15.21	-0.08	0.246	1.299	1.069	0.34
	BT	GFSK	Left Tilted	0	Full	7	-	-	77.00	15.50	15.21	-0.12	0.144	1.299	1.069	0.20

4.6.3 SAR Results for Body-worn Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS 2Tx Slot	Front Face	189	Full	0	-	-	-	33.00	31.89	-0.01	0.433	1.000	1.291	0.56
	GSM850	GPRS 2Tx Slot	Rear Face	189	Full	0	-	-	-	33.00	31.89	-0.06	0.647	1.000	1.291	0.84
	GSM850	GPRS 2Tx Slot	Rear Face	128	Full	0	-	-	-	33.00	31.80	0.10	0.473	1.000	1.318	0.62
P33	GSM850	GPRS 2Tx Slot	Rear Face	251	Full	0	-	-	-	33.00	31.84	0.01	0.758	1.000	1.306	0.99
	GSM1900	GPRS 2Tx Slot	Front Face	661	Full	0	-	-	-	30.50	29.21	0.03	0.610	1.000	1.346	0.82
	GSM1900	GPRS 2Tx Slot	Rear Face	661	Full	0	-	-	-	30.50	29.21	-0.19	0.809	1.000	1.346	1.09
	GSM1900	GPRS 2Tx Slot	Front Face	512	Full	0	-	-	-	30.50	29.12	0.11	0.492	1.000	1.374	0.68
	GSM1900	GPRS 2Tx Slot	Front Face	810	Full	0	-	-	-	30.50	29.09	-0.12	0.715	1.000	1.384	0.99
	GSM1900	GPRS 2Tx Slot	Rear Face	512	Full	0	-	-	-	30.50	29.12	0.02	0.692	1.000	1.374	0.95
	GSM1900	GPRS 2Tx Slot	Rear Face	810	Full	0	-	-	-	30.50	29.09	0.13	0.811	1.000	1.384	1.12
P34	WCDMA II	RMC12.2K	Front Face	9538	Full	4	-	-	-	24.00	22.95	0.03	0.175	1.000	1.274	0.22
	WCDMA II	RMC12.2K	Rear Face	9538	Full	4	-	-	-	24.00	22.95	-0.08	0.283	1.000	1.274	0.36
P35	WCDMA IV	RMC12.2K	Front Face	1513	Full	4	-	-	-	24.00	22.86	0.12	0.326	1.000	1.300	0.42
	WCDMA IV	RMC12.2K	Rear Face	1513	Full	4	-	-	-	24.00	22.86	-0.07	0.611	1.000	1.300	0.79
P36	WCDMA V	RMC12.2K	Front Face	4182	Full	0	-	-	-	24.00	22.95	0.09	0.275	1.000	1.274	0.35
	WCDMA V	RMC12.2K	Rear Face	4182	Full	0	-	-	-	24.00	22.95	0.04	0.477	1.000	1.274	0.61
	LTE 7	QPSK20M	Front Face	21350	Sensor on	0	1	50	-	23.50	22.64	0.12	0.518	1.000	1.219	0.63
	LTE 7	QPSK20M	Rear Face	21350	Sensor on	0	1	50	-	23.50	22.64	0.02	0.836	1.000	1.219	1.02
	LTE 7	QPSK20M	Front Face	21350	Sensor on	0	50	0	-	22.50	21.64	0.07	0.417	1.000	1.219	0.51
	LTE 7	QPSK20M	Rear Face	21350	Sensor on	0	50	0	-	22.50	21.64	0.11	0.519	1.000	1.219	0.63
	LTE 7	QPSK20M	Rear Face	20850	Sensor on	0	1	50	-	23.50	22.56	0.15	0.892	1.000	1.242	1.11
	LTE 7	QPSK20M	Rear Face	21100	Sensor on	0	1	50	-	23.50	22.70	0.08	0.806	1.000	1.202	0.97
	LTE 7	QPSK20M	Rear Face	21350	Sensor on	0	100	0	-	22.50	21.66	0.14	0.534	1.000	1.213	0.65
	LTE 12	QPSK10M	Front Face	23130	Full	0	1	24	-	24.50	23.82	0.07	0.286	1.000	1.169	0.33
	LTE 12	QPSK10M	Rear Face	23130	Full	0	1	24	-	24.50	23.82	-0.05	0.251	1.000	1.169	0.29
	LTE 12	QPSK10M	Front Face	23130	Full	0	25	12	-	23.50	22.76	-0.08	0.220	1.000	1.186	0.26
	LTE 12	QPSK10M	Rear Face	23130	Full	0	25	12	-	23.50	22.76	0.13	0.223	1.000	1.186	0.26
	LTE 13	QPSK10M	Front Face	23230	Full	0	1	0	-	22.50	21.93	-0.08	0.189	1.000	1.140	0.22
	LTE 13	QPSK10M	Rear Face	23230	Full	0	1	0	-	22.50	21.93	0.16	0.191	1.000	1.140	0.22
	LTE 13	QPSK10M	Front Face	23230	Full	0	25	0	-	21.50	20.87	0.06	0.141	1.000	1.156	0.16
	LTE 13	QPSK10M	Rear Face	23230	Full	0	25	0	-	21.50	20.87	0.07	0.150	1.000	1.156	0.17
	LTE 25	QPSK20M	Front Face	26590	Full	4	1	50	-	24.50	23.89	0.17	0.198	1.000	1.151	0.23
	LTE 25	QPSK20M	Rear Face	26590	Full	4	1	50	-	24.50	23.89	-0.11	0.364	1.000	1.151	0.42
	LTE 25	QPSK20M	Front Face	26590	Full	4	50	25	-	23.50	23.01	0.03	0.183	1.000	1.119	0.20
	LTE 25	QPSK20M	Rear Face	26590	Full	4	50	25	-	23.50	23.01	-0.06	0.303	1.000	1.119	0.34
	LTE 26	QPSK15M	Front Face	26865	Full	0	1	37	-	24.50	23.65	-0.03	0.293	1.000	1.216	0.36
	LTE 26	QPSK15M	Rear Face	26865	Full	0	1	37	-	24.50	23.65	0.05	0.569	1.000	1.216	0.69
	LTE 26	QPSK15M	Front Face	26865	Full	0	36	19	-	23.50	22.59	0.02	0.222	1.000	1.233	0.27
	LTE 26	QPSK15M	Rear Face	26865	Full	0	36	19	-	23.50	22.59	0.10	0.336	1.000	1.233	0.41
	LTE 38	QPSK20M	Front Face	37850	Full	4	1	0	62.90	24.50	23.87	0.11	0.344	1.006	1.156	0.40

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P43	LTE 38	QPSK20M	Rear Face	37850	Full	4	1	0	62.90	24.50	23.87	0.03	0.832	1.006	1.156	0.97
	LTE 38	QPSK20M	Front Face	37850	Full	4	50	0	62.90	23.50	22.98	0.08	0.277	1.006	1.127	0.31
	LTE 38	QPSK20M	Rear Face	37850	Full	4	50	0	62.90	23.50	22.98	0.07	0.662	1.006	1.127	0.75
	LTE 38	QPSK20M	Rear Face	38000	Full	4	1	0	62.90	24.50	23.80	-0.06	0.636	1.006	1.175	0.75
	LTE 38	QPSK20M	Rear Face	38150	Full	4	1	0	62.90	24.50	23.69	-0.09	0.617	1.006	1.205	0.75
	LTE 38	QPSK20M	Rear Face	37850	Full	4	100	0	62.90	23.50	22.91	0.03	0.440	1.006	1.146	0.51
	LTE 41	QPSK20M	Front Face	40620	Full	4	1	50	62.90	22.50	21.91	0.07	0.163	1.006	1.146	0.19
	LTE 41	QPSK20M	Rear Face	40620	Full	4	1	50	62.90	22.50	21.91	0.09	0.392	1.006	1.146	0.45
	LTE 41	QPSK20M	Front Face	40620	Full	4	50	0	62.90	22.50	21.89	0.07	0.171	1.006	1.151	0.20
	LTE 41	QPSK20M	Rear Face	40620	Full	4	50	0	62.90	22.50	21.89	-0.19	0.412	1.006	1.151	0.48
	LTE 41 PC2	QPSK20M	Front Face	40620	Full	4	1	50	42.90	25.50	24.96	0.05	0.167	1.009	1.132	0.19
	LTE 41 PC2	QPSK20M	Rear Face	40620	Full	4	1	50	42.90	25.50	24.96	-0.01	0.464	1.009	1.132	0.53
	LTE 41 PC2	QPSK20M	Front Face	40620	Full	4	50	0	42.90	25.50	24.91	0.01	0.159	1.009	1.146	0.18
P44	LTE 41 PC2	QPSK20M	Rear Face	40620	Full	4	50	0	42.90	25.50	24.91	-0.14	0.474	1.009	1.146	0.55
	LTE 42 (Part27Q)	QPSK20M	Front Face	42190	Full	2	1	50	62.90	22.50	21.10	-0.01	0.235	1.006	1.380	0.33
	LTE 42 (Part27Q)	QPSK20M	Rear Face	42190	Full	2	1	50	62.90	22.50	21.10	0.06	0.221	1.006	1.380	0.31
	LTE 42 (Part27Q)	QPSK20M	Front Face	42190	Full	2	50	25	62.90	21.50	20.18	-0.09	0.182	1.006	1.355	0.25
	LTE 42 (Part27Q)	QPSK20M	Rear Face	42190	Full	2	50	25	62.90	21.50	20.18	0.02	0.192	1.006	1.355	0.26
P45	LTE 42 (Part96)	QPSK20M	Front Face	43490	Full	2	1	50	62.90	22.50	21.48	-0.07	0.339	1.006	1.265	0.43
	LTE 42 (Part96)	QPSK20M	Rear Face	43490	Full	2	1	50	62.90	22.50	21.48	0.08	0.334	1.006	1.265	0.43
	LTE 42 (Part96)	QPSK20M	Front Face	43490	Full	2	50	25	62.90	21.50	20.48	0.13	0.246	1.006	1.265	0.31
	LTE 42 (Part96)	QPSK20M	Rear Face	43490	Full	2	50	25	62.90	21.50	20.48	-0.04	0.218	1.006	1.265	0.28
P46	LTE 43	QPSK20M	Front Face	44090	Full	2	1	50	62.90	22.50	21.65	-0.03	0.308	1.006	1.216	0.38
	LTE 43	QPSK20M	Rear Face	44090	Full	2	1	50	62.90	22.50	21.65	0.04	0.299	1.006	1.216	0.37
	LTE 43	QPSK20M	Front Face	44090	Full	2	50	25	62.90	21.50	21.07	-0.16	0.213	1.006	1.104	0.24
	LTE 43	QPSK20M	Rear Face	44090	Full	2	50	25	62.90	21.50	21.07	-0.05	0.236	1.006	1.104	0.26
	LTE 48	QPSK20M	Front Face	56150	Full	6	1	50	62.90	23.00	22.45	0.09	0.128	1.006	1.135	0.15
P47	LTE 48	QPSK20M	Rear Face	56150	Full	6	1	50	62.90	23.00	22.45	-0.01	0.573	1.006	1.135	0.65
	LTE 48	QPSK20M	Front Face	56150	Full	6	50	25	62.90	22.00	21.47	-0.01	0.094	1.006	1.130	0.11
	LTE 48	QPSK20M	Rear Face	56150	Full	6	50	25	62.90	22.00	21.47	-0.16	0.444	1.006	1.130	0.50
	LTE 66	QPSK20M	Front Face	132572	Sensor on	4	1	50	-	22.50	21.83	0.03	0.371	1.000	1.167	0.43
P48	LTE 66	QPSK20M	Rear Face	132572	Sensor on	4	1	50	-	22.50	21.83	-0.09	0.641	1.000	1.167	0.75
	LTE 66	QPSK20M	Front Face	132572	Sensor on	4	50	25	-	21.50	20.82	0.12	0.280	1.000	1.169	0.33
	LTE 66	QPSK20M	Rear Face	132572	Sensor on	4	50	25	-	21.50	20.82	-0.16	0.560	1.000	1.169	0.65
	LTE 71	QPSK20M	Front Face	133372	Full	0	1	50	-	24.50	23.55	-0.08	0.171	1.000	1.245	0.21
P49	LTE 71	QPSK20M	Rear Face	133372	Full	0	1	50	-	24.50	23.55	-0.01	0.202	1.000	1.245	0.25
	LTE 71	QPSK20M	Front Face	133372	Full	0	50	25	-	23.50	22.59	0.17	0.158	1.000	1.233	0.19
	LTE 71	QPSK20M	Rear Face	133372	Full	0	50	25	-	23.50	22.59	-0.03	0.176	1.000	1.233	0.22
	NR n5	DFT-s-OFDM QPSK20M	Front Face	167300	Full	0	1	1	-	24.50	23.74	0.01	0.383	1.000	1.191	0.46
	NR n5	DFT-s-OFDM QPSK20M	Rear Face	167300	Full	0	1	1	-	24.50	23.74	0.13	0.501	1.000	1.191	0.60
	NR n5	DFT-s-OFDM QPSK20M	Front Face	167300	Full	0	50	28	-	24.50	23.72	-0.05	0.402	1.000	1.197	0.48
P50	NR n5	DFT-s-OFDM QPSK20M	Rear Face	167300	Full	0	50	28	-	24.50	23.72	0.04	0.572	1.000	1.197	0.68
	NR n7	DFT-s-OFDM QPSK20M	Front Face	507000	Sensor on	0	1	1	-	23.50	22.74	0.09	0.587	1.000	1.191	0.70
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	507000	Sensor on	0	1	1	-	23.50	22.74	0.05	0.844	1.000	1.191	1.01
	NR n7	DFT-s-OFDM QPSK20M	Front Face	507000	Sensor on	0	50	28	-	23.50	22.56	0.02	0.598	1.000	1.242	0.74
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	507000	Sensor on	0	50	28	-	23.50	22.56	-0.15	0.784	1.000	1.242	0.97
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	502000	Sensor on	0	1	1	-	23.50	22.13	0.08	0.816	1.000	1.371	1.12
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	512000	Sensor on	0	1	1	-	23.50	22.41	-0.05	0.698	1.000	1.285	0.90
P51	NR n7	DFT-s-OFDM	Rear Face	502000	Sensor on	0	50	28	-	23.50	22.08	0.05	0.821	1.000	1.387	1.14

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
		QPSK20M														
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	512000	Sensor on	0	50	28	-	23.50	22.48	-0.04	0.715	1.000	1.265	0.90
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	507000	Sensor on	0	100	0	-	23.50	22.71	0.03	0.745	1.000	1.199	0.89
	NR n12	DFT-s-OFDM QPSK15M	Front Face	141300	Full	0	1	1	-	24.50	23.82	0.13	0.295	1.000	1.169	0.35
	NR n12	DFT-s-OFDM QPSK15M	Rear Face	141300	Full	0	1	1	-	24.50	23.82	0.02	0.283	1.000	1.169	0.33
	NR n12	DFT-s-OFDM QPSK15M	Front Face	141300	Full	0	36	19	-	24.50	23.75	0.04	0.298	1.000	1.189	0.35
P52	NR n12	DFT-s-OFDM QPSK15M	Rear Face	141300	Full	0	36	19	-	24.50	23.75	0.02	0.300	1.000	1.189	0.36
	NR n25	DFT-s-OFDM QPSK20M	Front Face	376500	Sensor on	5	1	1	-	20.50	19.79	0.07	0.108	1.000	1.178	0.13
	NR n25	DFT-s-OFDM QPSK20M	Rear Face	376500	Sensor on	5	1	1	-	20.50	19.79	-0.04	0.506	1.000	1.178	0.60
	NR n25	DFT-s-OFDM QPSK20M	Front Face	376500	Sensor on	5	50	28	-	20.50	19.67	0.02	0.101	1.000	1.211	0.12
P53	NR n25	DFT-s-OFDM QPSK20M	Rear Face	376500	Sensor on	5	50	28	-	20.50	19.67	-0.06	0.532	1.000	1.211	0.64
	NR n38	DFT-s-OFDM QPSK20M	Front Face	519000	Sensor on	5	1	1	-	22.00	21.55	-0.07	0.312	1.000	1.109	0.35
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	519000	Sensor on	5	1	1	-	22.00	21.55	-0.02	0.745	1.000	1.109	0.83
	NR n38	DFT-s-OFDM QPSK20M	Front Face	519000	Sensor on	5	25	13	-	22.00	21.54	0.11	0.307	1.000	1.112	0.34
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	519000	Sensor on	5	25	13	-	22.00	21.54	-0.12	0.909	1.000	1.112	1.01
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	516000	Sensor on	5	1	1	-	22.00	21.11	0.17	0.693	1.000	1.227	0.85
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	522000	Sensor on	5	1	1	-	22.00	21.26	0.09	0.680	1.000	1.186	0.81
P54	NR n38	DFT-s-OFDM QPSK20M	Rear Face	516000	Sensor on	5	25	13	-	22.00	21.43	-0.08	0.891	1.000	1.140	1.02
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	522000	Sensor on	5	25	13	-	22.00	21.53	-0.06	0.755	1.000	1.114	0.84
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	519000	Sensor on	5	50	0	-	22.00	21.47	0.11	0.737	1.000	1.130	0.83
	NR n41	DFT-s-OFDM QPSK100M	Front Face	509202	Sensor on	5	1	137	-	20.00	19.35	-0.16	0.208	1.000	1.161	0.24
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	1	137	-	20.00	19.35	-0.05	0.553	1.000	1.161	0.64
	NR n41	DFT-s-OFDM QPSK100M	Front Face	509202	Sensor on	5	135	69	-	20.00	19.11	-0.09	0.200	1.000	1.227	0.25
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	135	69	-	20.00	19.11	0.06	0.510	1.000	1.227	0.63
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	518598	Sensor on	5	1	137	-	20.00	18.67	0.08	0.366	1.000	1.358	0.50
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	528000	Sensor on	5	1	137	-	20.00	18.88	0.10	0.454	1.000	1.294	0.59
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	518598	Sensor on	5	135	69	-	20.00	18.81	-0.08	0.421	1.000	1.315	0.55
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	528000	Sensor on	5	135	69	-	20.00	18.97	0.01	0.456	1.000	1.268	0.58
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	270	0	-	20.00	19.03	-0.08	0.441	1.000	1.250	0.55
	NR n41 PC2	DFT-s-OFDM QPSK100M	Front Face	509202	Sensor on	5	1	137	-	21.50	20.57	-0.09	0.182	1.000	1.239	0.23
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	1	137	-	21.50	20.57	-0.03	0.455	1.000	1.239	0.56
	NR n41 PC2	DFT-s-OFDM QPSK100M	Front Face	509202	Sensor on	5	135	69	-	21.50	20.46	-0.04	0.185	1.000	1.271	0.24
P55	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	135	69	-	21.50	20.46	-0.02	0.513	1.000	1.271	0.65
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	518598	Sensor on	5	135	69	-	21.50	20.82	-0.12	0.336	1.000	1.169	0.39
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	528000	Sensor on	5	135	69	-	21.50	20.74	0.03	0.399	1.000	1.191	0.48

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	270	0	-	21.50	20.37	0.08	0.419	1.000	1.297	0.54
	NR n48	DFT-s-OFDM QPSK40M	Front Face	641666	Sensor on	6	1	53	-	21.00	20.35	0.09	0.117	1.000	1.161	0.14
	NR n48	DFT-s-OFDM QPSK40M	Rear Face	641666	Sensor on	6	1	53	-	21.00	20.35	-0.03	0.540	1.000	1.161	0.63
	NR n48	DFT-s-OFDM QPSK40M	Front Face	641666	Sensor on	6	50	28	-	21.00	20.25	0.11	0.119	1.000	1.189	0.14
P56	NR n48	DFT-s-OFDM QPSK40M	Rear Face	641666	Sensor on	6	50	28	-	21.00	20.25	-0.05	0.564	1.000	1.189	0.67
	NR n66	DFT-s-OFDM QPSK40M	Front Face	346000	Sensor on	5	1	108	-	20.50	19.79	0.04	0.180	1.000	1.178	0.21
	NR n66	DFT-s-OFDM QPSK40M	Rear Face	346000	Sensor on	5	1	108	-	20.50	19.79	-0.02	0.543	1.000	1.178	0.64
	NR n66	DFT-s-OFDM QPSK40M	Front Face	346000	Sensor on	5	108	54	-	20.50	19.82	0.09	0.188	1.000	1.169	0.22
P57	NR n66	DFT-s-OFDM QPSK40M	Rear Face	346000	Sensor on	5	108	54	-	20.50	19.82	-0.16	0.614	1.000	1.169	0.72
	NR n71	DFT-s-OFDM QPSK20M	Front Face	134600	Full	0	1	1	-	24.50	23.73	0.03	0.227	1.000	1.194	0.27
	NR n71	DFT-s-OFDM QPSK20M	Rear Face	134600	Full	0	1	1	-	24.50	23.73	0.05	0.237	1.000	1.194	0.28
P58	NR n71	DFT-s-OFDM QPSK20M	Front Face	134600	Full	0	50	28	-	24.50	23.74	0.13	0.244	1.000	1.191	0.29
	NR n71	DFT-s-OFDM QPSK20M	Rear Face	134600	Full	0	50	28	-	24.50	23.74	-0.06	0.239	1.000	1.191	0.28
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	633334	Sensor on	6	1	137	-	21.00	20.35	0.03	0.119	1.000	1.161	0.14
P59	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	633334	Sensor on	6	1	137	-	21.00	20.35	-0.07	0.595	1.000	1.161	0.69
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	633334	Sensor on	6	135	69	-	21.00	20.27	-0.06	0.127	1.000	1.183	0.15
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	633334	Sensor on	6	135	69	-	21.00	20.27	-0.14	0.535	1.000	1.183	0.63
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	656000	Sensor on	6	1	137	-	21.00	20.23	0.13	0.068	1.000	1.194	0.08
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	656000	Sensor on	6	1	137	-	21.00	20.23	-0.06	0.420	1.000	1.194	0.50
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	656000	Sensor on	6	135	69	-	21.00	20.18	-0.04	0.070	1.000	1.208	0.08
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	656000	Sensor on	6	135	69	-	21.00	20.18	-0.07	0.426	1.000	1.208	0.51
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	633334	Sensor on	6	1	137	-	24.00	23.31	-0.11	0.122	1.000	1.172	0.14
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	633334	Sensor on	6	1	137	-	24.00	23.31	-0.02	0.557	1.000	1.172	0.65
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	633334	Sensor on	6	135	69	-	24.00	23.29	0.05	0.119	1.000	1.178	0.14
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	633334	Sensor on	6	135	69	-	24.00	23.29	-0.07	0.548	1.000	1.178	0.65
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	656000	Sensor on	6	1	137	-	23.50	22.76	0.07	0.076	1.000	1.186	0.09
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	656000	Sensor on	6	1	137	-	23.50	22.76	-0.01	0.450	1.000	1.186	0.53
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	656000	Sensor on	6	135	69	-	23.50	22.63	-0.11	0.079	1.000	1.222	0.10
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	656000	Sensor on	6	135	69	-	23.50	22.63	-0.09	0.443	1.000	1.222	0.54
	WLAN2.4G	802.11b	Front Face	6	Full	7	-	-	100.00	16.50	15.89	0.11	0.118	1.000	1.150	0.14
	WLAN2.4G	802.11b	Rear Face	6	Full	7	-	-	100.00	16.50	15.89	0.05	0.125	1.000	1.150	0.14
	WLAN2.4G	802.11b	Front Face	6	Full	8	-	-	100.00	16.50	15.55	0.03	0.088	1.000	1.245	0.11
P60	WLAN2.4G	802.11b	Rear Face	6	Full	8	-	-	100.00	16.50	15.55	-0.05	0.288	1.000	1.245	0.36
	WLAN2.4G	802.11b	Front Face	6	Full	7+8	-	-	100.00	19.50	18.61	-0.08	0.135	1.000	1.227	0.17
	WLAN2.4G	802.11b	Rear Face	6	Full	7+8	-	-	100.00	19.50	18.61	0.05	0.236	1.000	1.227	0.29
	WLAN5G	802.11ac80	Front Face	42	Full	7	-	-	88.16	18.00	16.80	-0.01	0.197	1.134	1.318	0.29
	WLAN5G	802.11ac80	Rear Face	42	Full	7	-	-	88.16	18.00	16.80	0.03	0.168	1.134	1.318	0.25
	WLAN5G	802.11ac80	Front Face	42	Full	8	-	-	88.16	17.00	15.67	-0.02	0.080	1.134	1.358	0.12
	WLAN5G	802.11ac80	Rear Face	42	Full	8	-	-	88.16	17.00	15.67	0.08	0.116	1.134	1.358	0.18

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P61	WLAN5G	802.11ac80	Front Face	42	Full	7+8	-	-	88.16	20.00	18.93	-0.07	0.209	1.134	1.280	0.30
	WLAN5G	802.11ac80	Rear Face	42	Full	7+8	-	-	88.16	20.00	18.93	0.07	0.199	1.134	1.280	0.29
	WLAN5G	802.11ac80	Front Face	58	Full	7	-	-	88.16	17.00	15.96	0.09	0.160	1.134	1.270	0.23
	WLAN5G	802.11ac80	Rear Face	58	Full	7	-	-	88.16	17.00	15.96	0.03	0.106	1.134	1.270	0.15
	WLAN5G	802.11ac80	Front Face	58	Full	8	-	-	88.16	17.00	16.12	-0.06	0.070	1.134	1.225	0.10
	WLAN5G	802.11ac80	Rear Face	58	Full	8	-	-	88.16	17.00	16.12	0.11	0.128	1.134	1.225	0.18
P62	WLAN5G	802.11ac80	Front Face	58	Full	7+8	-	-	88.16	19.50	18.92	-0.03	0.236	1.134	1.144	0.31
	WLAN5G	802.11ac80	Rear Face	58	Full	7+8	-	-	88.16	19.50	18.92	0.05	0.202	1.134	1.144	0.26
	WLAN5G	802.11ac80	Front Face	155	Full	7	-	-	88.16	16.00	15.34	0.16	0.140	1.134	1.165	0.18
	WLAN5G	802.11ac80	Rear Face	155	Full	7	-	-	88.16	16.00	15.34	0.09	0.160	1.134	1.165	0.21
	WLAN5G	802.11ac80	Front Face	155	Full	8	-	-	88.16	16.50	15.68	0.03	0.144	1.134	1.209	0.20
	WLAN5G	802.11ac80	Rear Face	155	Full	8	-	-	88.16	16.50	15.68	0.11	0.155	1.134	1.209	0.21
P63	WLAN5G	802.11ac80	Front Face	155	Full	7+8	-	-	88.16	19.50	18.22	0.01	0.171	1.134	1.344	0.26
	WLAN5G	802.11ac80	Rear Face	155	Full	7+8	-	-	88.16	19.50	18.22	0.09	0.165	1.134	1.344	0.25
	BT	GFSK	Front Face	0	Full	7	-	-	77.00	15.50	15.21	-0.07	0.046	1.299	1.069	0.06
P64	BT	GFSK	Rear Face	0	Full	7	-	-	77.00	15.50	15.21	-0.07	0.075	1.299	1.069	0.10

4.6.4 SAR Results for Hotspot Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS 2Tx Slot	Front Face	1	189	Full	0	-	-	-	33.00	31.89	-0.01	0.433	1.000	1.291	0.56
	GSM850	GPRS 2Tx Slot	Rear Face	1	189	Full	0	-	-	-	33.00	31.89	-0.06	0.647	1.000	1.291	0.84
	GSM850	GPRS 2Tx Slot	Left Side	1	189	Full	0	-	-	-	33.00	31.89	0.01	0.168	1.000	1.291	0.22
	GSM850	GPRS 2Tx Slot	Bottom Side	1	189	Full	0	-	-	-	33.00	31.89	0.10	0.437	1.000	1.291	0.56
	GSM850	GPRS 2Tx Slot	Rear Face	1	128	Full	0	-	-	-	33.00	31.80	0.10	0.473	1.000	1.318	0.62
P65	GSM850	GPRS 2Tx Slot	Rear Face	1	251	Full	0	-	-	-	33.00	31.84	0.01	0.758	1.000	1.306	0.99
	GSM1900	GPRS 2Tx Slot	Front Face	1	661	Full	0	-	-	-	30.50	29.21	0.03	0.610	1.000	1.346	0.82
	GSM1900	GPRS 2Tx Slot	Rear Face	1	661	Full	0	-	-	-	30.50	29.21	-0.19	0.809	1.000	1.346	1.09
	GSM1900	GPRS 2Tx Slot	Left Side	1	661	Full	0	-	-	-	30.50	29.21	0.15	0.620	1.000	1.346	0.83
	GSM1900	GPRS 2Tx Slot	Bottom Side	1	661	Full	0	-	-	-	30.50	29.21	0.09	0.783	1.000	1.346	1.05
	GSM1900	GPRS 2Tx Slot	Front Face	1	512	Full	0	-	-	-	30.50	29.12	0.11	0.492	1.000	1.374	0.68
	GSM1900	GPRS 2Tx Slot	Front Face	1	810	Full	0	-	-	-	30.50	29.09	-0.12	0.715	1.000	1.384	0.99
	GSM1900	GPRS 2Tx Slot	Rear Face	1	512	Full	0	-	-	-	30.50	29.12	0.02	0.692	1.000	1.374	0.95
P66	GSM1900	GPRS 2Tx Slot	Rear Face	1	810	Full	0	-	-	-	30.50	29.09	0.13	0.811	1.000	1.384	1.12
	GSM1900	GPRS 2Tx Slot	Left Side	1	512	Full	0	-	-	-	30.50	29.12	0.07	0.531	1.000	1.374	0.73
	GSM1900	GPRS 2Tx Slot	Left Side	1	810	Full	0	-	-	-	30.50	29.09	0.13	0.620	1.000	1.384	0.86
	GSM1900	GPRS 2Tx Slot	Bottom Side	1	512	Full	0	-	-	-	30.50	29.12	0.13	0.579	1.000	1.374	0.80
	GSM1900	GPRS 2Tx Slot	Bottom Side	1	810	Full	0	-	-	-	30.50	29.09	-0.01	0.650	1.000	1.384	0.90
	WCDMA II	RMC12.2K	Front Face	1	9538	Full	4	-	-	-	24.00	22.95	0.03	0.175	1.000	1.274	0.22
	WCDMA II	RMC12.2K	Rear Face	1	9538	Full	4	-	-	-	24.00	22.95	-0.08	0.283	1.000	1.274	0.36
P67	WCDMA II	RMC12.2K	Left Side	1	9538	Full	4	-	-	-	24.00	22.95	0.05	0.337	1.000	1.274	0.43
	WCDMA II	RMC12.2K	Bottom Side	1	9538	Full	4	-	-	-	24.00	22.95	0.04	0.073	1.000	1.274	0.09
	WCDMA IV	RMC12.2K	Front Face	1	1513	Full	4	-	-	-	24.00	22.86	0.12	0.326	1.000	1.300	0.42
P68	WCDMA IV	RMC12.2K	Rear Face	1	1513	Full	4	-	-	-	24.00	22.86	-0.07	0.611	1.000	1.300	0.79
	WCDMA IV	RMC12.2K	Left Side	1	1513	Full	4	-	-	-	24.00	22.86	0.14	0.444	1.000	1.300	0.58
	WCDMA IV	RMC12.2K	Bottom Side	1	1513	Full	4	-	-	-	24.00	22.86	0.06	0.200	1.000	1.300	0.26
	WCDMA V	RMC12.2K	Front Face	1	4182	Full	0	-	-	-	24.00	22.95	0.09	0.275	1.000	1.274	0.35
P69	WCDMA V	RMC12.2K	Rear Face	1	4182	Full	0	-	-	-	24.00	22.95	0.04	0.477	1.000	1.274	0.61
	WCDMA V	RMC12.2K	Left Side	1	4182	Full	0	-	-	-	24.00	22.95	0.09	0.133	1.000	1.274	0.17
	WCDMA V	RMC12.2K	Bottom Side	1	4182	Full	0	-	-	-	24.00	22.95	0.13	0.307	1.000	1.274	0.39
	LTE 7	QPSK20M	Front Face	1	21350	Reduce	0	1	50	-	23.50	22.64	0.12	0.518	1.000	1.219	0.63
	LTE 7	QPSK20M	Rear Face	1	21350	Reduce	0	1	50	-	23.50	22.64	0.02	0.836	1.000	1.219	1.02
	LTE 7	QPSK20M	Left Side	1	21350	Full	0	1	50	-	25.00	24.15	0.06	0.056	1.000	1.216	0.07
	LTE 7	QPSK20M	Bottom Side	1	21350	Reduce	0	1	50	-	23.50	22.64	0.05	0.645	1.000	1.219	0.79
	LTE 7	QPSK20M	Front Face	1	21350	Reduce	0	50	0	-	22.50	21.64	0.07	0.417	1.000	1.219	0.51
	LTE 7	QPSK20M	Rear Face	1	21350	Reduce	0	50	0	-	22.50	21.64	0.11	0.519	1.000	1.219	0.63
	LTE 7	QPSK20M	Left Side	1	21350	Full	0	50	0	-	24.00	23.10	0.14	0.081	1.000	1.230	0.10
	LTE 7	QPSK20M	Bottom Side	1	21350	Reduce	0	50	0	-	22.50	21.64	0.07	0.603	1.000	1.219	0.74
P70	LTE 7	QPSK20M	Rear Face	1	20850	Reduce	0	1	50	-	23.50	22.56	0.15	0.892	1.000	1.242	1.11
	LTE 7	QPSK20M	Rear Face	1	21100	Reduce	0	1	50	-	23.50	22.70	0.08	0.806	1.000	1.202	0.97
	LTE 7	QPSK20M	Rear Face	1	21350	Reduce	0	100	0	-	22.50	21.66	0.14	0.534	1.000	1.213	0.65

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 7	QPSK20M	Front Face	1.4	21350	Full	0	1	50	-	25.00	24.15	0.06	0.286	1.000	1.216	0.35
	LTE 7	QPSK20M	Rear Face	1.7	21350	Full	0	1	50	-	25.00	24.15	0.02	0.242	1.000	1.216	0.29
	LTE 7	QPSK20M	Bottom Side	2	21350	Full	0	1	50	-	25.00	24.15	0.09	0.250	1.000	1.216	0.30
	LTE 7	QPSK20M	Front Face	1.4	21350	Full	0	50	0	-	24.00	23.10	0.05	0.209	1.000	1.230	0.26
	LTE 7	QPSK20M	Rear Face	1.7	21350	Full	0	50	0	-	24.00	23.10	0.01	0.194	1.000	1.230	0.24
	LTE 7	QPSK20M	Bottom Side	2	21350	Full	0	50	0	-	24.00	23.10	-0.06	0.303	1.000	1.230	0.37
P71	LTE 12	QPSK10M	Front Face	1	23130	Full	0	1	24	-	24.50	23.82	0.07	0.286	1.000	1.169	0.33
	LTE 12	QPSK10M	Rear Face	1	23130	Full	0	1	24	-	24.50	23.82	-0.05	0.251	1.000	1.169	0.29
	LTE 12	QPSK10M	Left Side	1	23130	Full	0	1	24	-	24.50	23.82	0.00	0.231	1.000	1.169	0.27
	LTE 12	QPSK10M	Bottom Side	1	23130	Full	0	1	24	-	24.50	23.82	0.09	0.185	1.000	1.169	0.22
	LTE 12	QPSK10M	Front Face	1	23130	Full	0	25	12	-	23.50	22.76	-0.08	0.220	1.000	1.186	0.26
	LTE 12	QPSK10M	Rear Face	1	23130	Full	0	25	12	-	23.50	22.76	0.13	0.223	1.000	1.186	0.26
	LTE 12	QPSK10M	Left Side	1	23130	Full	0	25	12	-	23.50	22.76	0.10	0.157	1.000	1.186	0.19
	LTE 12	QPSK10M	Bottom Side	1	23130	Full	0	25	12	-	23.50	22.76	0.02	0.138	1.000	1.186	0.16
	LTE 13	QPSK10M	Front Face	1	23230	Full	0	1	0	-	22.50	21.93	-0.08	0.189	1.000	1.140	0.22
P72	LTE 13	QPSK10M	Rear Face	1	23230	Full	0	1	0	-	22.50	21.93	0.16	0.191	1.000	1.140	0.22
	LTE 13	QPSK10M	Left Side	1	23230	Full	0	1	0	-	22.50	21.93	0.07	0.063	1.000	1.140	0.07
	LTE 13	QPSK10M	Bottom Side	1	23230	Full	0	1	0	-	22.50	21.93	0.10	0.155	1.000	1.140	0.18
	LTE 13	QPSK10M	Front Face	1	23230	Full	0	25	0	-	21.50	20.87	0.06	0.141	1.000	1.156	0.16
	LTE 13	QPSK10M	Rear Face	1	23230	Full	0	25	0	-	21.50	20.87	0.07	0.150	1.000	1.156	0.17
	LTE 13	QPSK10M	Left Side	1	23230	Full	0	25	0	-	21.50	20.87	-0.16	0.069	1.000	1.156	0.08
	LTE 13	QPSK10M	Bottom Side	1	23230	Full	0	25	0	-	21.50	20.87	0.16	0.120	1.000	1.156	0.14
	LTE 25	QPSK20M	Front Face	1	26590	Full	4	1	50	-	24.50	23.89	0.17	0.198	1.000	1.151	0.23
	LTE 25	QPSK20M	Rear Face	1	26590	Full	4	1	50	-	24.50	23.89	-0.11	0.364	1.000	1.151	0.42
P73	LTE 25	QPSK20M	Left Side	1	26590	Full	4	1	50	-	24.50	23.89	0.06	0.476	1.000	1.151	0.55
	LTE 25	QPSK20M	Bottom Side	1	26590	Full	4	1	50	-	24.50	23.89	0.05	0.081	1.000	1.151	0.09
	LTE 25	QPSK20M	Front Face	1	26590	Full	4	50	25	-	23.50	23.01	0.03	0.183	1.000	1.119	0.20
	LTE 25	QPSK20M	Rear Face	1	26590	Full	4	50	25	-	23.50	23.01	-0.06	0.303	1.000	1.119	0.34
	LTE 25	QPSK20M	Left Side	1	26590	Full	4	50	25	-	23.50	23.01	0.13	0.412	1.000	1.119	0.46
	LTE 25	QPSK20M	Bottom Side	1	26590	Full	4	50	25	-	23.50	23.01	-0.03	0.075	1.000	1.119	0.08
	LTE 26	QPSK15M	Front Face	1	26865	Full	0	1	37	-	24.50	23.65	-0.03	0.293	1.000	1.216	0.36
P74	LTE 26	QPSK15M	Rear Face	1	26865	Full	0	1	37	-	24.50	23.65	0.05	0.569	1.000	1.216	0.69
	LTE 26	QPSK15M	Left Side	1	26865	Full	0	1	37	-	24.50	23.65	-0.19	0.106	1.000	1.216	0.13
	LTE 26	QPSK15M	Bottom Side	1	26865	Full	0	1	37	-	24.50	23.65	0.11	0.361	1.000	1.216	0.44
	LTE 26	QPSK15M	Front Face	1	26865	Full	0	36	19	-	23.50	22.59	0.02	0.222	1.000	1.233	0.27
	LTE 26	QPSK15M	Rear Face	1	26865	Full	0	36	19	-	23.50	22.59	0.10	0.336	1.000	1.233	0.41
	LTE 26	QPSK15M	Left Side	1	26865	Full	0	36	19	-	23.50	22.59	-0.08	0.082	1.000	1.233	0.10
	LTE 26	QPSK15M	Bottom Side	1	26865	Full	0	36	19	-	23.50	22.59	0.13	0.275	1.000	1.233	0.34
	LTE 38	QPSK20M	Front Face	1	37850	Full	4	1	0	62.90	24.50	23.87	0.11	0.344	1.006	1.156	0.40
P75	LTE 38	QPSK20M	Rear Face	1	37850	Full	4	1	0	62.90	24.50	23.87	0.03	0.832	1.006	1.156	0.97
	LTE 38	QPSK20M	Left Side	1	37850	Full	4	1	0	62.90	24.50	23.87	0.11	0.674	1.006	1.156	0.78
	LTE 38	QPSK20M	Bottom Side	1	37850	Full	4	1	0	62.90	24.50	23.87	0.19	0.129	1.006	1.156	0.15
	LTE 38	QPSK20M	Front Face	1	37850	Full	4	50	0	62.90	23.50	22.98	0.08	0.277	1.006	1.127	0.31
	LTE 38	QPSK20M	Rear Face	1	37850	Full	4	50	0	62.90	23.50	22.98	0.07	0.662	1.006	1.127	0.75
	LTE 38	QPSK20M	Left Side	1	37850	Full	4	50	0	62.90	23.50	22.98	0.15	0.566	1.006	1.127	0.64
	LTE 38	QPSK20M	Bottom Side	1	37850	Full	4	50	0	62.90	23.50	22.98	0.14	0.102	1.006	1.127	0.12
	LTE 38	QPSK20M	Rear Face	1	38000	Full	4	1	0	62.90	24.50	23.80	-0.06	0.636	1.006	1.175	0.75
	LTE 38	QPSK20M	Rear Face	1	38150	Full	4	1	0	62.90	24.50	23.69	-0.09	0.617	1.006	1.205	0.75
	LTE 38	QPSK20M	Rear Face	1	37850	Full	4	100	0	62.90	23.50	22.91	0.03	0.440	1.006	1.146	0.51
	LTE 41	QPSK20M	Front Face	1	40620	Full	4	1	50	62.90	22.50	21.91	0.07	0.163	1.006	1.146	0.19
	LTE 41	QPSK20M	Rear Face	1	40620	Full	4	1	50	62.90	22.50	21.91	0.09	0.392	1.006	1.146	0.45
	LTE 41	QPSK20M	Left Side	1	40620	Full	4	1	50	62.90	22.50	21.91	0.02	0.389	1.006	1.146	0.45
	LTE 41	QPSK20M	Bottom Side	1	40620	Full	4	1	50	62.90	22.50	21.91	0.04	0.081	1.006	1.146	0.09
	LTE 41	QPSK20M	Front Face	1	40620	Full	4	50	0	62.90	22.50	21.89	0.07	0.171	1.006	1.151	0.20
	LTE 41	QPSK20M	Rear Face	1	40620	Full	4	50	0	62.90	22.50	21.89	-0.19	0.412	1.006	1.151	0.48
	LTE 41	QPSK20M	Left Side	1	40620	Full	4	50	0	62.90	22.50	21.89	0.03	0.390	1.006	1.151	0.45
	LTE 41	QPSK20M	Bottom Side	1	40620	Full	4	50	0	62.90	22.50	21.89	0.05	0.083	1.006	1.151	0.10
	LTE 41 PC2	QPSK20M	Front Face	1	40620	Full	4	1	50	42.90	25.50	24.96	0.05	0.167	1.009	1.132	0.19
	LTE 41 PC2	QPSK20M	Rear Face	1	40620	Full	4	1	50	42.90	25.50	24.96	-0.01	0.464	1.009	1.132	0.53
	LTE 41 PC2	QPSK20M	Left Side	1	40620	Full	4	1	50	42.90	25.50	24.96	0.04	0.489	1.009	1.132	0.56
	LTE 41 PC2	QPSK20M	Bottom Side	1	40620	Full	4	1	50	42.90	25.50	24.96	0.09	0.069	1.009	1.132	0.08
	LTE 41 PC2	QPSK20M	Front Face	1	40620	Full	4	50	0	42.90	25.50	24.91	0.01	0.159	1.009	1.146	0.18
	LTE 41 PC2	QPSK20M	Rear Face	1	40620	Full	4	50	0	42.90	25.50	24.91	-0.14	0.474	1.009	1.146	0.55
P76	LTE 41 PC2	QPSK20M	Left Side	1	40620	Full	4	50	0	42.90	25.50	24.91	0.17	0.503	1.009	1.146	0.58
	LTE 41 PC2	QPSK20M	Bottom Side	1	40620	Full	4	50	0	42.90	25.50	24.91	0.01	0.070	1.009	1.146	0.08
	LTE 42	QPSK20M	Front Face	1	42190	Full	2	1	50	62.90	22.50	21.10	-0.01	0.235	1.006	1.380	0.33

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	(Part27Q)																
	LTE 42 (Part27Q)	QPSK20M	Rear Face	1	42190	Full	2	1	50	62.90	22.50	21.10	0.06	0.221	1.006	1.380	0.31
	LTE 42 (Part27Q)	QPSK20M	Right Side	1	42190	Full	2	1	50	62.90	22.50	21.10	0.09	0.062	1.006	1.380	0.09
	LTE 42 (Part27Q)	QPSK20M	Top Side	1	42190	Full	2	1	50	62.90	22.50	21.10	-0.08	0.177	1.006	1.380	0.25
	LTE 42 (Part27Q)	QPSK20M	Front Face	1	42190	Full	2	50	25	62.90	21.50	20.18	-0.09	0.182	1.006	1.355	0.25
	LTE 42 (Part27Q)	QPSK20M	Rear Face	1	42190	Full	2	50	25	62.90	21.50	20.18	0.02	0.192	1.006	1.355	0.26
	LTE 42 (Part27Q)	QPSK20M	Right Side	1	42190	Full	2	50	25	62.90	21.50	20.18	0.12	0.054	1.006	1.355	0.07
	LTE 42 (Part27Q)	QPSK20M	Top Side	1	42190	Full	2	50	25	62.90	21.50	20.18	-0.04	0.181	1.006	1.355	0.25
P77	LTE 42 (Part96)	QPSK20M	Front Face	1	43490	Full	2	1	50	62.90	22.50	21.48	-0.07	0.339	1.006	1.265	0.43
	LTE 42 (Part96)	QPSK20M	Rear Face	1	43490	Full	2	1	50	62.90	22.50	21.48	0.08	0.334	1.006	1.265	0.43
	LTE 42 (Part96)	QPSK20M	Right Side	1	43490	Full	2	1	50	62.90	22.50	21.48	0.03	0.083	1.006	1.265	0.11
	LTE 42 (Part96)	QPSK20M	Top Side	1	43490	Full	2	1	50	62.90	22.50	21.48	-0.02	0.260	1.006	1.265	0.33
	LTE 42 (Part96)	QPSK20M	Front Face	1	43490	Full	2	50	25	62.90	21.50	20.48	0.13	0.246	1.006	1.265	0.31
	LTE 42 (Part96)	QPSK20M	Rear Face	1	43490	Full	2	50	25	62.90	21.50	20.48	-0.04	0.218	1.006	1.265	0.28
	LTE 42 (Part96)	QPSK20M	Right Side	1	43490	Full	2	50	25	62.90	21.50	20.48	0.03	0.117	1.006	1.265	0.15
	LTE 42 (Part96)	QPSK20M	Top Side	1	43490	Full	2	50	25	62.90	21.50	20.48	0.07	0.233	1.006	1.265	0.30
P78	LTE 43	QPSK20M	Front Face	1	44090	Full	2	1	50	62.90	22.50	21.65	-0.03	0.308	1.006	1.216	0.38
	LTE 43	QPSK20M	Rear Face	1	44090	Full	2	1	50	62.90	22.50	21.65	0.04	0.299	1.006	1.216	0.37
	LTE 43	QPSK20M	Right Side	1	44090	Full	2	1	50	62.90	22.50	21.65	0.05	0.098	1.006	1.216	0.12
	LTE 43	QPSK20M	Top Side	1	44090	Full	2	1	50	62.90	22.50	21.65	0.01	0.260	1.006	1.216	0.32
	LTE 43	QPSK20M	Front Face	1	44090	Full	2	50	25	62.90	21.50	21.07	-0.16	0.213	1.006	1.104	0.24
	LTE 43	QPSK20M	Rear Face	1	44090	Full	2	50	25	62.90	21.50	21.07	-0.05	0.236	1.006	1.104	0.26
	LTE 43	QPSK20M	Right Side	1	44090	Full	2	50	25	62.90	21.50	21.07	0.14	0.073	1.006	1.104	0.08
	LTE 43	QPSK20M	Top Side	1	44090	Full	2	50	25	62.90	21.50	21.07	0.08	0.229	1.006	1.104	0.25
	LTE 48	QPSK20M	Front Face	1	56150	Full	6	1	50	62.90	23.00	22.45	0.09	0.128	1.006	1.135	0.15
P79	LTE 48	QPSK20M	Rear Face	1	56150	Full	6	1	50	62.90	23.00	22.45	-0.01	0.573	1.006	1.135	0.65
	LTE 48	QPSK20M	Left Side	1	56150	Full	6	1	50	62.90	23.00	22.45	0.02	0.373	1.006	1.135	0.43
	LTE 48	QPSK20M	Top Side	1	56150	Full	6	1	50	62.90	23.00	22.45	0.09	0.142	1.006	1.135	0.16
	LTE 48	QPSK20M	Front Face	1	56150	Full	6	50	25	62.90	22.00	21.47	-0.01	0.094	1.006	1.130	0.11
	LTE 48	QPSK20M	Rear Face	1	56150	Full	6	50	25	62.90	22.00	21.47	-0.16	0.444	1.006	1.130	0.50
	LTE 48	QPSK20M	Left Side	1	56150	Full	6	50	25	62.90	22.00	21.47	-0.06	0.301	1.006	1.130	0.34
	LTE 48	QPSK20M	Top Side	1	56150	Full	6	50	25	62.90	22.00	21.47	0.09	0.113	1.006	1.130	0.13
	LTE 66	QPSK20M	Front Face	1	132572	Reduce	4	1	50	-	20.50	20.01	0.02	0.269	1.000	1.119	0.30
	LTE 66	QPSK20M	Rear Face	1	132572	Reduce	4	1	50	-	20.50	20.01	-0.05	0.466	1.000	1.119	0.52
P80	LTE 66	QPSK20M	Left Side	1	132572	Full	4	1	50	-	23.50	22.73	0.14	0.485	1.000	1.194	0.58
	LTE 66	QPSK20M	Bottom Side	1	132572	Reduce	4	1	50	-	20.50	20.01	-0.12	0.037	1.000	1.119	0.04
	LTE 66	QPSK20M	Front Face	1	132572	Reduce	4	50	25	-	19.50	19.04	0.07	0.213	1.000	1.112	0.24
	LTE 66	QPSK20M	Rear Face	1	132572	Reduce	4	50	25	-	19.50	19.04	-0.03	0.383	1.000	1.112	0.43
	LTE 66	QPSK20M	Left Side	1	132572	Full	4	50	25	-	22.50	21.72	-0.12	0.389	1.000	1.197	0.47
	LTE 66	QPSK20M	Bottom Side	1	132572	Reduce	4	50	25	-	19.50	19.04	0.15	0.012	1.000	1.112	0.01
	LTE 66	QPSK20M	Front Face	1.4	132572	Full	4	1	50	-	23.50	22.73	-0.07	0.232	1.000	1.194	0.28
	LTE 66	QPSK20M	Rear Face	1.7	132572	Full	4	1	50	-	23.50	22.73	0.07	0.219	1.000	1.194	0.26
	LTE 66	QPSK20M	Bottom Side	2	132572	Full	4	1	50	-	23.50	22.73	0.00	0.000	1.000	1.194	0.00
	LTE 66	QPSK20M	Front Face	1.4	132572	Full	4	50	25	-	22.50	21.72	0.09	0.182	1.000	1.197	0.22
	LTE 66	QPSK20M	Rear Face	1.7	132572	Full	4	50	25	-	22.50	21.72	0.14	0.179	1.000	1.197	0.21
	LTE 66	QPSK20M	Bottom Side	2	132572	Full	4	50	25	-	22.50	21.72	0.00	0.000	1.000	1.197	0.00
	LTE 71	QPSK20M	Front Face	1	133372	Full	0	1	50	-	24.50	23.55	-0.08	0.171	1.000	1.245	0.21
P81	LTE 71	QPSK20M	Rear Face	1	133372	Full	0	1	50	-	24.50	23.55	-0.01	0.202	1.000	1.245	0.25
	LTE 71	QPSK20M	Left Side	1	133372	Full	0	1	50	-	24.50	23.55	0.06	0.168	1.000	1.245	0.21
	LTE 71	QPSK20M	Bottom Side	1	133372	Full	0	1	50	-	24.50	23.55	-0.01	0.148	1.000	1.245	0.18
	LTE 71	QPSK20M	Front Face	1	133372	Full	0	50	25	-	23.50	22.59	0.17	0.158	1.000	1.233	0.19
	LTE 71	QPSK20M	Rear Face	1	133372	Full	0	50	25	-	23.50	22.59	-0.03	0.176	1.000	1.233	0.22
	LTE 71	QPSK20M	Left Side	1	133372	Full	0	50	25	-	23.50	22.59	0.01	0.134	1.000	1.233	0.17

BUREAU
VERITAS

FCC SAR Test Report



Certificate #6613.01

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 71	QPSK20M	Bottom Side	1	133372	Full	0	50	25	-	23.50	22.59	0.03	0.119	1.000	1.233	0.15
	NR n5	DFT-s-OFDM QPSK20M	Front Face	1	167300	Full	0	1	1	-	24.50	23.74	0.01	0.383	1.000	1.191	0.46
	NR n5	DFT-s-OFDM QPSK20M	Rear Face	1	167300	Full	0	1	1	-	24.50	23.74	0.13	0.501	1.000	1.191	0.60
	NR n5	DFT-s-OFDM QPSK20M	Left Side	1	167300	Full	0	1	1	-	24.50	23.74	0.03	0.171	1.000	1.191	0.20
	NR n5	DFT-s-OFDM QPSK20M	Bottom Side	1	167300	Full	0	1	1	-	24.50	23.74	0.05	0.380	1.000	1.191	0.45
	NR n5	DFT-s-OFDM QPSK20M	Front Face	1	167300	Full	0	50	28	-	24.50	23.72	-0.05	0.402	1.000	1.197	0.48
P82	NR n5	DFT-s-OFDM QPSK20M	Rear Face	1	167300	Full	0	50	28	-	24.50	23.72	0.04	0.572	1.000	1.197	0.68
	NR n5	DFT-s-OFDM QPSK20M	Left Side	1	167300	Full	0	50	28	-	24.50	23.72	-0.10	0.186	1.000	1.197	0.22
	NR n5	DFT-s-OFDM QPSK20M	Bottom Side	1	167300	Full	0	50	28	-	24.50	23.72	0.06	0.437	1.000	1.197	0.52
	NR n7	DFT-s-OFDM QPSK20M	Front Face	1	507000	Reduce	0	1	1	-	23.50	22.74	0.09	0.587	1.000	1.191	0.70
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1	507000	Reduce	0	1	1	-	23.50	22.74	0.05	0.844	1.000	1.191	1.01
	NR n7	DFT-s-OFDM QPSK20M	Left Side	1	507000	Full	0	1	1	-	25.00	24.66	0.03	0.107	1.000	1.081	0.12
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	1	507000	Reduce	0	1	1	-	23.50	22.74	0.11	0.951	1.000	1.191	1.13
	NR n7	DFT-s-OFDM QPSK20M	Front Face	1	507000	Reduce	0	50	28	-	23.50	22.56	0.02	0.598	1.000	1.242	0.74
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1	507000	Reduce	0	50	28	-	23.50	22.56	-0.15	0.784	1.000	1.242	0.97
	NR n7	DFT-s-OFDM QPSK20M	Left Side	1	507000	Full	0	50	28	-	25.00	24.45	-0.15	0.111	1.000	1.135	0.13
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	1	507000	Reduce	0	50	28	-	23.50	22.56	0.04	0.935	1.000	1.242	1.16
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1	502000	Reduce	0	1	1	-	23.50	22.13	0.08	0.816	1.000	1.371	1.12
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1	512000	Reduce	0	1	1	-	23.50	22.41	-0.05	0.698	1.000	1.285	0.90
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	1	502000	Reduce	0	1	1	-	23.50	22.13	0.04	0.931	1.000	1.371	1.28
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	1	512000	Reduce	0	1	1	-	23.50	22.41	0.09	0.782	1.000	1.285	1.01
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1	502000	Reduce	0	50	28	-	23.50	22.08	0.05	0.821	1.000	1.387	1.14
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1	512000	Reduce	0	50	28	-	23.50	22.48	-0.04	0.715	1.000	1.265	0.90
P83	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	1	502000	Reduce	0	50	28	-	23.50	22.08	0.06	0.958	1.000	1.387	1.33
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	1	512000	Reduce	0	50	28	-	23.50	22.48	0.09	0.821	1.000	1.265	1.04
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1	507000	Reduce	0	100	0	-	23.50	22.71	0.03	0.745	1.000	1.199	0.89
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	1	507000	Reduce	0	100	0	-	23.50	22.71	0.19	0.976	1.000	1.199	1.17
	NR n7	DFT-s-OFDM QPSK20M	Front Face	1.4	507000	Full	0	1	1	-	25.00	24.66	0.08	0.389	1.000	1.081	0.42
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1.7	507000	Full	0	1	1	-	25.00	24.66	0.00	0.484	1.000	1.081	0.52
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	2	507000	Full	0	1	1	-	25.00	24.66	0.04	0.352	1.000	1.081	0.38
	NR n7	DFT-s-OFDM QPSK20M	Front Face	1.4	507000	Full	0	50	28	-	25.00	24.45	0.03	0.407	1.000	1.135	0.46
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	1.7	507000	Full	0	50	28	-	25.00	24.45	0.01	0.287	1.000	1.135	0.33
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	2	507000	Full	0	50	28	-	25.00	24.45	0.02	0.276	1.000	1.135	0.31
	NR n12	DFT-s-OFDM QPSK15M	Front Face	1	141300	Full	0	1	1	-	24.50	23.82	0.13	0.295	1.000	1.169	0.35
	NR n12	DFT-s-OFDM QPSK15M	Rear Face	1	141300	Full	0	1	1	-	24.50	23.82	0.02	0.283	1.000	1.169	0.33

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P84	NR n12	DFT-s-OFDM QPSK15M	Left Side	1	141300	Full	0	1	1	-	24.50	23.82	0.17	0.243	1.000	1.169	0.28
	NR n12	DFT-s-OFDM QPSK15M	Bottom Side	1	141300	Full	0	1	1	-	24.50	23.82	-0.01	0.168	1.000	1.169	0.20
	NR n12	DFT-s-OFDM QPSK15M	Front Face	1	141300	Full	0	36	19	-	24.50	23.75	0.04	0.298	1.000	1.189	0.35
	NR n12	DFT-s-OFDM QPSK15M	Rear Face	1	141300	Full	0	36	19	-	24.50	23.75	0.02	0.300	1.000	1.189	0.36
	NR n12	DFT-s-OFDM QPSK15M	Left Side	1	141300	Full	0	36	19	-	24.50	23.75	0.10	0.247	1.000	1.189	0.29
	NR n12	DFT-s-OFDM QPSK15M	Bottom Side	1	141300	Full	0	36	19	-	24.50	23.75	-0.06	0.183	1.000	1.189	0.22
	NR n25	DFT-s-OFDM QPSK20M	Front Face	1	376500	Reduce	5	1	1	-	20.50	19.79	0.07	0.108	1.000	1.178	0.13
	NR n25	DFT-s-OFDM QPSK20M	Rear Face	1	376500	Reduce	5	1	1	-	20.50	19.79	-0.04	0.506	1.000	1.178	0.60
	NR n25	DFT-s-OFDM QPSK20M	Left Side	1	376500	Reduce	5	1	1	-	20.50	19.79	0.07	0.412	1.000	1.178	0.49
	NR n25	DFT-s-OFDM QPSK20M	Top Side	1	376500	Reduce	5	1	1	-	20.50	19.79	0.01	0.045	1.000	1.178	0.05
	NR n25	DFT-s-OFDM QPSK20M	Front Face	1	376500	Reduce	5	50	28	-	20.50	19.67	0.02	0.101	1.000	1.211	0.12
	NR n25	DFT-s-OFDM QPSK20M	Rear Face	1	376500	Reduce	5	50	28	-	20.50	19.67	-0.06	0.532	1.000	1.211	0.64
	NR n25	DFT-s-OFDM QPSK20M	Left Side	1	376500	Reduce	5	50	28	-	20.50	19.67	0.02	0.445	1.000	1.211	0.54
	NR n25	DFT-s-OFDM QPSK20M	Top Side	1	376500	Reduce	5	50	28	-	20.50	19.67	0.06	0.046	1.000	1.211	0.06
	NR n25	DFT-s-OFDM QPSK20M	Front Face	1.4	376500	Full	5	1	1	-	25.00	24.26	0.09	0.169	1.000	1.186	0.20
	NR n25	DFT-s-OFDM QPSK20M	Rear Face	1.7	376500	Full	5	1	1	-	25.00	24.26	0.02	0.513	1.000	1.186	0.61
	NR n25	DFT-s-OFDM QPSK20M	Left Side	1.5	376500	Full	5	1	1	-	25.00	24.26	0.17	0.622	1.000	1.186	0.74
	NR n25	DFT-s-OFDM QPSK20M	Top Side	1.5	376500	Full	5	1	1	-	25.00	24.26	0.09	0.086	1.000	1.186	0.10
	NR n25	DFT-s-OFDM QPSK20M	Front Face	1.4	376500	Full	5	50	28	-	25.00	24.23	0.06	0.229	1.000	1.194	0.27
	NR n25	DFT-s-OFDM QPSK20M	Rear Face	1.7	376500	Full	5	50	28	-	25.00	24.23	-0.07	0.535	1.000	1.194	0.64
P85	NR n25	DFT-s-OFDM QPSK20M	Left Side	1.5	376500	Full	5	50	28	-	25.00	24.23	0.06	0.629	1.000	1.194	0.75
	NR n25	DFT-s-OFDM QPSK20M	Top Side	1.5	376500	Full	5	50	28	-	25.00	24.23	-0.05	0.086	1.000	1.194	0.10
	NR n25	DFT-s-OFDM QPSK20M	Left Side	1.5	372000	Full	5	50	28	-	25.00	24.15	0.02	0.617	1.000	1.216	0.75
	NR n25	DFT-s-OFDM QPSK20M	Left Side	1.5	381000	Full	5	50	28	-	25.00	24.21	-0.06	0.621	1.000	1.199	0.74
	NR n25	DFT-s-OFDM QPSK20M	Left Side	1.5	376500	Full	5	100	0	-	24.00	23.47	-0.04	0.532	1.000	1.130	0.60
	NR n38	DFT-s-OFDM QPSK20M	Front Face	1	519000	Reduce	5	1	1	-	22.00	21.55	-0.07	0.312	1.000	1.109	0.35
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1	519000	Reduce	5	1	1	-	22.00	21.55	-0.02	0.745	1.000	1.109	0.83
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1	519000	Reduce	5	1	1	-	22.00	21.55	0.08	0.780	1.000	1.109	0.87
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1	519000	Reduce	5	1	1	-	22.00	21.55	0.07	0.786	1.000	1.109	0.87
	NR n38	DFT-s-OFDM QPSK20M	Front Face	1	519000	Reduce	5	25	13	-	22.00	21.54	0.11	0.307	1.000	1.112	0.34
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1	519000	Reduce	5	25	13	-	22.00	21.54	-0.12	0.909	1.000	1.112	1.01
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1	519000	Reduce	5	25	13	-	22.00	21.54	-0.02	0.697	1.000	1.112	0.77
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1	519000	Reduce	5	25	13	-	22.00	21.54	0.07	0.740	1.000	1.112	0.82
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1	516000	Reduce	5	1	1	-	22.00	21.11	0.17	0.693	1.000	1.227	0.85
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1	522000	Reduce	5	1	1	-	22.00	21.26	0.09	0.680	1.000	1.186	0.81

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
		QPSK20M															
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1	516000	Reduce	5	1	1	-	22.00	21.11	-0.06	0.747	1.000	1.227	0.92
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1	522000	Reduce	5	1	1	-	22.00	21.26	-0.08	0.649	1.000	1.186	0.77
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1	516000	Reduce	5	1	1	-	22.00	21.11	0.14	0.720	1.000	1.227	0.88
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1	522000	Reduce	5	1	1	-	22.00	21.26	0.09	0.726	1.000	1.186	0.86
P86	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1	516000	Reduce	5	25	13	-	22.00	21.43	-0.08	0.891	1.000	1.140	1.02
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1	522000	Reduce	5	25	13	-	22.00	21.53	-0.06	0.755	1.000	1.114	0.84
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1	516000	Reduce	5	25	13	-	22.00	21.43	0.13	0.853	1.000	1.140	0.97
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1	522000	Reduce	5	25	13	-	22.00	21.53	0.05	0.711	1.000	1.114	0.79
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1	516000	Reduce	5	25	13	-	22.00	21.43	-0.02	0.734	1.000	1.140	0.84
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1	522000	Reduce	5	25	13	-	22.00	21.53	0.05	0.874	1.000	1.114	0.97
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1	519000	Reduce	5	50	0	-	22.00	21.47	0.11	0.737	1.000	1.130	0.83
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1	519000	Reduce	5	50	0	-	22.00	21.47	-0.16	0.717	1.000	1.130	0.81
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1	519000	Reduce	5	50	0	-	22.00	21.47	0.02	0.805	1.000	1.130	0.91
	NR n38	DFT-s-OFDM QPSK20M	Front Face	1.4	519000	Full	5	1	1	-	25.00	24.27	0.01	0.361	1.000	1.183	0.43
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1.7	519000	Full	5	1	1	-	25.00	24.27	0.04	0.448	1.000	1.183	0.53
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1.5	519000	Full	5	1	1	-	25.00	24.27	0.02	0.699	1.000	1.183	0.83
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1.5	519000	Full	5	1	1	-	25.00	24.27	0.01	0.638	1.000	1.183	0.75
	NR n38	DFT-s-OFDM QPSK20M	Front Face	1.4	519000	Full	5	25	13	-	25.00	24.21	0.13	0.360	1.000	1.199	0.43
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	1.7	519000	Full	5	25	13	-	25.00	24.21	-0.15	0.537	1.000	1.199	0.64
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1.5	519000	Full	5	25	13	-	25.00	24.21	-0.11	0.715	1.000	1.199	0.86
	NR n38	DFT-s-OFDM QPSK20M	Top Side	1.5	519000	Full	5	25	13	-	25.00	24.21	0.03	0.652	1.000	1.199	0.78
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1.5	516000	Full	5	1	1	-	25.00	24.15	-0.04	0.767	1.000	1.216	0.93
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1.5	522000	Full	5	1	1	-	25.00	24.19	0.06	0.701	1.000	1.205	0.84
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1.5	516000	Full	5	25	13	-	25.00	24.17	0.01	0.782	1.000	1.211	0.95
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1.5	522000	Full	5	25	13	-	25.00	24.11	0.06	0.710	1.000	1.227	0.87
	NR n38	DFT-s-OFDM QPSK20M	Left Side	1.5	519000	Full	5	50	0	-	24.00	23.53	0.05	0.568	1.000	1.114	0.63
	NR n41	DFT-s-OFDM QPSK100M	Front Face	1	509202	Reduce	5	1	137	-	20.00	19.35	-0.16	0.208	1.000	1.161	0.24
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1	509202	Reduce	5	1	137	-	20.00	19.35	-0.05	0.553	1.000	1.161	0.64
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1	509202	Reduce	5	1	137	-	20.00	19.35	0.15	0.556	1.000	1.161	0.65
	NR n41	DFT-s-OFDM QPSK100M	Top Side	1	509202	Reduce	5	1	137	-	20.00	19.35	0.05	0.419	1.000	1.161	0.49
	NR n41	DFT-s-OFDM QPSK100M	Front Face	1	509202	Reduce	5	135	69	-	20.00	19.11	-0.09	0.200	1.000	1.227	0.25
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1	509202	Reduce	5	135	69	-	20.00	19.11	0.06	0.510	1.000	1.227	0.63
P87	NR n41	DFT-s-OFDM QPSK100M	Left Side	1	509202	Reduce	5	135	69	-	20.00	19.11	0.01	0.599	1.000	1.227	0.74
	NR n41	DFT-s-OFDM QPSK100M	Top Side	1	509202	Reduce	5	135	69	-	20.00	19.11	0.09	0.423	1.000	1.227	0.52



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Certificate #6613.01

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1	518598	Reduce	5	1	137	-	20.00	18.67	0.08	0.366	1.000	1.358	0.50
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1	528000	Reduce	5	1	137	-	20.00	18.88	0.10	0.454	1.000	1.294	0.59
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1	518598	Reduce	5	1	137	-	20.00	18.67	-0.02	0.417	1.000	1.358	0.57
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1	528000	Reduce	5	1	137	-	20.00	18.88	0.05	0.390	1.000	1.294	0.50
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1	518598	Reduce	5	135	69	-	20.00	18.81	-0.08	0.421	1.000	1.315	0.55
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1	528000	Reduce	5	135	69	-	20.00	18.97	0.01	0.456	1.000	1.268	0.58
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1	518598	Reduce	5	135	69	-	20.00	18.81	0.04	0.433	1.000	1.315	0.57
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1	528000	Reduce	5	135	69	-	20.00	18.97	0.06	0.399	1.000	1.268	0.51
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1	509202	Reduce	5	270	0	-	20.00	19.03	-0.08	0.441	1.000	1.250	0.55
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1	509202	Reduce	5	270	0	-	20.00	19.03	-0.01	0.506	1.000	1.250	0.63
	NR n41	DFT-s-OFDM QPSK100M	Front Face	1.4	509202	Full	5	1	137	-	23.50	22.89	-0.08	0.225	1.000	1.151	0.26
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1.7	509202	Full	5	1	137	-	23.50	22.89	-0.03	0.325	1.000	1.151	0.37
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1.5	509202	Full	5	1	137	-	23.50	22.89	0.02	0.581	1.000	1.151	0.67
	NR n41	DFT-s-OFDM QPSK100M	Top Side	1.5	509202	Full	5	1	137	-	23.50	22.89	0.05	0.493	1.000	1.151	0.57
	NR n41	DFT-s-OFDM QPSK100M	Front Face	1.4	509202	Full	5	135	69	-	23.50	22.84	0.03	0.257	1.000	1.164	0.30
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	1.7	509202	Full	5	135	69	-	23.50	22.84	0.04	0.363	1.000	1.164	0.42
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1.5	509202	Full	5	135	69	-	23.50	22.84	0.04	0.594	1.000	1.164	0.69
	NR n41	DFT-s-OFDM QPSK100M	Top Side	1.5	509202	Full	5	135	69	-	23.50	22.84	0.03	0.494	1.000	1.164	0.58
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1.5	518598	Full	5	1	137	-	23.50	22.83	0.00	0.476	1.000	1.167	0.56
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1.5	528000	Full	5	1	137	-	23.50	22.72	0.01	0.421	1.000	1.197	0.50
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1.5	518598	Full	5	135	69	-	23.50	22.83	-0.13	0.471	1.000	1.167	0.55
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1.5	528000	Full	5	135	69	-	23.50	22.67	-0.04	0.431	1.000	1.211	0.52
	NR n41	DFT-s-OFDM QPSK100M	Left Side	1.5	509202	Full	5	270	0	-	23.50	22.77	0.04	0.590	1.000	1.183	0.70
	NR n41 PC2	DFT-s-OFDM QPSK100M	Front Face	1	509202	Reduce	5	1	137	-	21.50	20.57	-0.09	0.182	1.000	1.239	0.23
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	1	509202	Reduce	5	1	137	-	21.50	20.57	-0.03	0.455	1.000	1.239	0.56
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1	509202	Reduce	5	1	137	-	21.50	20.57	0.04	0.472	1.000	1.239	0.58
	NR n41 PC2	DFT-s-OFDM QPSK100M	Top Side	1	509202	Reduce	5	1	137	-	21.50	20.57	0.08	0.461	1.000	1.239	0.57
	NR n41 PC2	DFT-s-OFDM QPSK100M	Front Face	1	509202	Reduce	5	135	69	-	21.50	20.46	-0.04	0.185	1.000	1.271	0.24
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	1	509202	Reduce	5	135	69	-	21.50	20.46	-0.02	0.513	1.000	1.271	0.65
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1	509202	Reduce	5	135	69	-	21.50	20.46	0.14	0.539	1.000	1.271	0.68
	NR n41 PC2	DFT-s-OFDM QPSK100M	Top Side	1	509202	Reduce	5	135	69	-	21.50	20.46	-0.11	0.450	1.000	1.271	0.57
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	1	518598	Reduce	5	135	69	-	21.50	20.82	-0.12	0.336	1.000	1.169	0.39
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	1	528000	Reduce	5	135	69	-	21.50	20.74	0.03	0.399	1.000	1.191	0.48
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1	518598	Reduce	5	135	69	-	21.50	20.82	0.04	0.389	1.000	1.169	0.45
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1	528000	Reduce	5	135	69	-	21.50	20.74	-0.07	0.349	1.000	1.191	0.42

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	1	509202	Reduce	5	270	0	-	21.50	20.37	0.08	0.419	1.000	1.297	0.54
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1	509202	Reduce	5	270	0	-	21.50	20.37	0.02	0.477	1.000	1.297	0.62
	NR n41 PC2	DFT-s-OFDM QPSK100M	Front Face	1.4	509202	Full	5	1	137	-	25.50	24.89	0.03	0.348	1.000	1.151	0.40
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	1.7	509202	Full	5	1	137	-	25.50	24.89	0.00	0.343	1.000	1.151	0.39
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1.5	509202	Full	5	1	137	-	25.50	24.89	0.05	0.620	1.000	1.151	0.71
	NR n41 PC2	DFT-s-OFDM QPSK100M	Top Side	1.5	509202	Full	5	1	137	-	25.50	24.89	-0.19	0.494	1.000	1.151	0.57
	NR n41 PC2	DFT-s-OFDM QPSK100M	Front Face	1.4	509202	Full	5	135	69	-	25.50	24.79	-0.02	0.277	1.000	1.178	0.33
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	1.7	509202	Full	5	135	69	-	25.50	24.79	0.03	0.349	1.000	1.178	0.41
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1.5	509202	Full	5	135	69	-	25.50	24.79	0.00	0.424	1.000	1.178	0.50
	NR n41 PC2	DFT-s-OFDM QPSK100M	Top Side	1.5	509202	Full	5	135	69	-	25.50	24.79	-0.09	0.498	1.000	1.178	0.59
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1.5	518598	Full	5	1	137	-	25.50	24.71	-0.05	0.485	1.000	1.199	0.58
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1.5	528000	Full	5	1	137	-	25.50	24.37	0.08	0.440	1.000	1.297	0.57
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1.5	518598	Full	5	135	69	-	25.50	24.33	0.09	0.509	1.000	1.309	0.67
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1.5	528000	Full	5	135	69	-	25.50	24.37	0.04	0.480	1.000	1.297	0.62
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	1.5	509202	Full	5	270	0	-	25.50	24.61	0.06	0.332	1.000	1.227	0.41
	NR n48	DFT-s-OFDM QPSK40M	Front Face	1	641666	Reduce	6	1	53	-	20.00	19.57	0.02	0.085	1.000	1.104	0.09
	NR n48	DFT-s-OFDM QPSK40M	Rear Face	1	641666	Reduce	6	1	53	-	20.00	19.57	-0.04	0.377	1.000	1.104	0.42
	NR n48	DFT-s-OFDM QPSK40M	Left Side	1	641666	Reduce	6	1	53	-	20.00	19.57	0.11	0.274	1.000	1.104	0.30
	NR n48	DFT-s-OFDM QPSK40M	Top Side	1	641666	Reduce	6	1	53	-	20.00	19.57	0.08	0.101	1.000	1.104	0.11
	NR n48	DFT-s-OFDM QPSK40M	Front Face	1	641666	Reduce	6	50	28	-	20.00	19.48	0.12	0.116	1.000	1.127	0.13
P88	NR n48	DFT-s-OFDM QPSK40M	Rear Face	1	641666	Reduce	6	50	28	-	20.00	19.48	-0.09	0.409	1.000	1.127	0.46
	NR n48	DFT-s-OFDM QPSK40M	Left Side	1	641666	Reduce	6	50	28	-	20.00	19.48	-0.03	0.287	1.000	1.127	0.32
	NR n48	DFT-s-OFDM QPSK40M	Top Side	1	641666	Reduce	6	50	28	-	20.00	19.48	0.01	0.124	1.000	1.127	0.14
	NR n48	DFT-s-OFDM QPSK40M	Front Face	1.4	641666	Full	6	1	53	-	23.00	22.44	0.00	0.111	1.000	1.138	0.13
	NR n48	DFT-s-OFDM QPSK40M	Rear Face	1.7	641666	Full	6	1	53	-	23.00	22.44	0.19	0.355	1.000	1.138	0.40
	NR n48	DFT-s-OFDM QPSK40M	Left Side	1.5	641666	Full	6	1	53	-	23.00	22.44	0.03	0.295	1.000	1.138	0.34
	NR n48	DFT-s-OFDM QPSK40M	Top Side	1.5	641666	Full	6	1	53	-	23.00	22.44	-0.02	0.169	1.000	1.138	0.19
	NR n48	DFT-s-OFDM QPSK40M	Front Face	1.4	641666	Full	6	50	28	-	23.00	22.33	0.03	0.106	1.000	1.167	0.12
	NR n48	DFT-s-OFDM QPSK40M	Rear Face	1.7	641666	Full	6	50	28	-	23.00	22.33	-0.09	0.371	1.000	1.167	0.43
	NR n48	DFT-s-OFDM QPSK40M	Left Side	1.5	641666	Full	6	50	28	-	23.00	22.33	-0.05	0.303	1.000	1.167	0.35
	NR n48	DFT-s-OFDM QPSK40M	Top Side	1.5	641666	Full	6	50	28	-	23.00	22.33	0.09	0.171	1.000	1.167	0.20
	NR n66	DFT-s-OFDM QPSK40M	Front Face	1	346000	Reduce	5	1	108	-	20.00	19.29	0.13	0.162	1.000	1.178	0.19
	NR n66	DFT-s-OFDM QPSK40M	Rear Face	1	346000	Reduce	5	1	108	-	20.00	19.29	-0.12	0.442	1.000	1.178	0.52
	NR n66	DFT-s-OFDM QPSK40M	Left Side	1	346000	Reduce	5	1	108	-	20.00	19.29	0.09	0.359	1.000	1.178	0.42
	NR n66	DFT-s-OFDM QPSK40M	Top Side	1	346000	Reduce	5	1	108	-	20.00	19.29	-0.03	0.058	1.000	1.178	0.07



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Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
		QPSK40M															
	NR n66	DFT-s-OFDM QPSK40M	Front Face	1	346000	Reduce	5	108	54	-	20.00	19.27	-0.15	0.171	1.000	1.183	0.20
	NR n66	DFT-s-OFDM QPSK40M	Rear Face	1	346000	Reduce	5	108	54	-	20.00	19.27	-0.02	0.458	1.000	1.183	0.54
	NR n66	DFT-s-OFDM QPSK40M	Left Side	1	346000	Reduce	5	108	54	-	20.00	19.27	0.01	0.360	1.000	1.183	0.43
	NR n66	DFT-s-OFDM QPSK40M	Top Side	1	346000	Reduce	5	108	54	-	20.00	19.27	0.04	0.056	1.000	1.183	0.07
	NR n66	DFT-s-OFDM QPSK40M	Front Face	1.4	346000	Full	5	1	108	-	24.50	24.09	-0.08	0.261	1.000	1.099	0.29
	NR n66	DFT-s-OFDM QPSK40M	Rear Face	1.7	346000	Full	5	1	108	-	24.50	24.09	-0.03	0.476	1.000	1.099	0.52
P89	NR n66	DFT-s-OFDM QPSK40M	Left Side	1.5	346000	Full	5	1	108	-	24.50	24.09	0.09	0.535	1.000	1.099	0.59
	NR n66	DFT-s-OFDM QPSK40M	Top Side	1.5	346000	Full	5	1	108	-	24.50	24.09	0.05	0.110	1.000	1.099	0.12
	NR n66	DFT-s-OFDM QPSK40M	Front Face	1.4	346000	Full	5	108	54	-	24.50	24.07	0.02	0.265	1.000	1.104	0.29
	NR n66	DFT-s-OFDM QPSK40M	Rear Face	1.7	346000	Full	5	108	54	-	24.50	24.07	0.05	0.481	1.000	1.104	0.53
	NR n66	DFT-s-OFDM QPSK40M	Left Side	1.5	346000	Full	5	108	54	-	24.50	24.07	0.05	0.506	1.000	1.104	0.56
	NR n66	DFT-s-OFDM QPSK40M	Top Side	1.5	346000	Full	5	108	54	-	24.50	24.07	0.01	0.107	1.000	1.104	0.12
	NR n71	DFT-s-OFDM QPSK20M	Front Face	1	134600	Full	0	1	1	-	24.50	23.73	0.03	0.227	1.000	1.194	0.27
	NR n71	DFT-s-OFDM QPSK20M	Rear Face	1	134600	Full	0	1	1	-	24.50	23.73	0.05	0.237	1.000	1.194	0.28
	NR n71	DFT-s-OFDM QPSK20M	Left Side	1	134600	Full	0	1	1	-	24.50	23.73	0.19	0.190	1.000	1.194	0.23
	NR n71	DFT-s-OFDM QPSK20M	Bottom Side	1	134600	Full	0	1	1	-	24.50	23.73	-0.07	0.133	1.000	1.194	0.16
P90	NR n71	DFT-s-OFDM QPSK20M	Front Face	1	134600	Full	0	50	28	-	24.50	23.74	0.13	0.244	1.000	1.191	0.29
	NR n71	DFT-s-OFDM QPSK20M	Rear Face	1	134600	Full	0	50	28	-	24.50	23.74	-0.06	0.239	1.000	1.191	0.28
	NR n71	DFT-s-OFDM QPSK20M	Left Side	1	134600	Full	0	50	28	-	24.50	23.74	0.11	0.206	1.000	1.191	0.25
	NR n71	DFT-s-OFDM QPSK20M	Bottom Side	1	134600	Full	0	50	28	-	24.50	23.74	-0.14	0.159	1.000	1.191	0.19
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1	633334	Reduce	6	1	137	-	20.00	19.45	0.11	0.107	1.000	1.135	0.12
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1	633334	Reduce	6	1	137	-	20.00	19.45	-0.09	0.457	1.000	1.135	0.52
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1	633334	Reduce	6	1	137	-	20.00	19.45	-0.09	0.311	1.000	1.135	0.35
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1	633334	Reduce	6	1	137	-	20.00	19.45	0.14	0.134	1.000	1.135	0.15
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1	633334	Reduce	6	135	69	-	20.00	19.39	0.12	0.103	1.000	1.151	0.12
P91	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1	633334	Reduce	6	135	69	-	20.00	19.39	-0.06	0.461	1.000	1.151	0.53
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1	633334	Reduce	6	135	69	-	20.00	19.39	0.05	0.321	1.000	1.151	0.37
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1	633334	Reduce	6	135	69	-	20.00	19.39	-0.07	0.132	1.000	1.151	0.15
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1.4	633334	Full	6	1	137	-	23.00	22.09	0.06	0.119	1.000	1.233	0.15
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1.7	633334	Full	6	1	137	-	23.00	22.09	-0.04	0.384	1.000	1.233	0.47
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1.5	633334	Full	6	1	137	-	23.00	22.09	-0.05	0.330	1.000	1.233	0.41
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1.5	633334	Full	6	1	137	-	23.00	22.09	0.08	0.202	1.000	1.233	0.25
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1.4	633334	Full	6	135	69	-	23.00	22.04	0.05	0.120	1.000	1.247	0.15
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1.7	633334	Full	6	135	69	-	23.00	22.04	0.08	0.403	1.000	1.247	0.50



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FCC SAR Test Report



Certificate #6613.01

Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1.5	633334	Full	6	135	69	-	23.00	22.04	-0.02	0.328	1.000	1.247	0.41
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1.5	633334	Full	6	135	69	-	23.00	22.04	0.17	0.200	1.000	1.247	0.25
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1	656000	Reduce	6	1	137	-	20.00	18.93	0.06	0.096	1.000	1.279	0.12
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1	656000	Reduce	6	1	137	-	20.00	18.93	-0.03	0.343	1.000	1.279	0.44
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1	656000	Reduce	6	1	137	-	20.00	18.93	0.13	0.222	1.000	1.279	0.28
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1	656000	Reduce	6	1	137	-	20.00	18.93	0.04	0.078	1.000	1.279	0.10
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1	656000	Reduce	6	135	69	-	20.00	18.90	0.16	0.060	1.000	1.288	0.08
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1	656000	Reduce	6	135	69	-	20.00	18.90	-0.09	0.297	1.000	1.288	0.38
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1	656000	Reduce	6	135	69	-	20.00	18.90	0.11	0.232	1.000	1.288	0.30
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1	656000	Reduce	6	135	69	-	20.00	18.90	0.14	0.078	1.000	1.288	0.10
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1.4	656000	Full	6	1	137	-	22.50	21.59	0.09	0.073	1.000	1.233	0.09
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1.7	656000	Full	6	1	137	-	22.50	21.59	0.08	0.225	1.000	1.233	0.28
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1.5	656000	Full	6	1	137	-	22.50	21.59	-0.10	0.192	1.000	1.233	0.24
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1.5	656000	Full	6	1	137	-	22.50	21.59	-0.01	0.118	1.000	1.233	0.15
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1.4	656000	Full	6	135	69	-	22.50	21.51	-0.07	0.067	1.000	1.256	0.08
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1.7	656000	Full	6	135	69	-	22.50	21.51	-0.06	0.222	1.000	1.256	0.28
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1.5	656000	Full	6	135	69	-	22.50	21.51	0.05	0.201	1.000	1.256	0.25
	NR n77 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1.5	656000	Full	6	135	69	-	22.50	21.51	0.09	0.120	1.000	1.256	0.15
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1	633334	Reduce	6	1	137	-	22.50	21.95	0.12	0.114	1.000	1.135	0.13
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1	633334	Reduce	6	1	137	-	22.50	21.95	-0.04	0.465	1.000	1.135	0.53
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1	633334	Reduce	6	1	137	-	22.50	21.95	0.06	0.347	1.000	1.135	0.39
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1	633334	Reduce	6	1	137	-	22.50	21.95	-0.08	0.142	1.000	1.135	0.16
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1	633334	Reduce	6	135	69	-	22.50	21.91	0.14	0.105	1.000	1.146	0.12
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1	633334	Reduce	6	135	69	-	22.50	21.91	-0.08	0.458	1.000	1.146	0.52
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1	633334	Reduce	6	135	69	-	22.50	21.91	0.03	0.316	1.000	1.146	0.36
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1	633334	Reduce	6	135	69	-	22.50	21.91	0.11	0.129	1.000	1.146	0.15
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1.4	633334	Full	6	1	137	-	25.50	24.76	0.06	0.149	1.000	1.186	0.18
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1.7	633334	Full	6	1	137	-	25.50	24.76	0.14	0.392	1.000	1.186	0.46
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1.5	633334	Full	6	1	137	-	25.50	24.76	0.09	0.311	1.000	1.186	0.37
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1.5	633334	Full	6	1	137	-	25.50	24.76	0.04	0.162	1.000	1.186	0.19
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1.4	633334	Full	6	135	69	-	25.50	24.55	-0.12	0.105	1.000	1.245	0.13
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Rear Face	1.7	633334	Full	6	135	69	-	25.50	24.55	0.09	0.316	1.000	1.245	0.39
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Left Side	1.5	633334	Full	6	135	69	-	25.50	24.55	0.07	0.288	1.000	1.245	0.36
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Top Side	1.5	633334	Full	6	135	69	-	25.50	24.55	0.16	0.140	1.000	1.245	0.17
	NR n77 PC2 (Part27Q)	DFT-s-OFDM QPSK100M	Front Face	1	656000	Reduce	6	1	137	-	22.00	21.22	0.09	0.102	1.000	1.197	0.12



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Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Rear Face	1	656000	Reduce	6	1	137	-	22.00	21.22	0.11	0.309	1.000	1.197	0.37
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Left Side	1	656000	Reduce	6	1	137	-	22.00	21.22	0.06	0.253	1.000	1.197	0.30
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Top Side	1	656000	Reduce	6	1	137	-	22.00	21.22	0.13	0.082	1.000	1.197	0.10
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Front Face	1	656000	Reduce	6	135	69	-	22.00	21.19	-0.11	0.084	1.000	1.205	0.10
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Rear Face	1	656000	Reduce	6	135	69	-	22.00	21.19	0.02	0.311	1.000	1.205	0.37
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Left Side	1	656000	Reduce	6	135	69	-	22.00	21.19	0.07	0.257	1.000	1.205	0.31
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Top Side	1	656000	Reduce	6	135	69	-	22.00	21.19	0.08	0.082	1.000	1.205	0.10
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Front Face	1.4	656000	Full	6	1	137	-	25.00	24.43	0.10	0.080	1.000	1.140	0.09
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Rear Face	1.7	656000	Full	6	1	137	-	25.00	24.43	0.00	0.313	1.000	1.140	0.36
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Left Side	1.5	656000	Full	6	1	137	-	25.00	24.43	0.00	0.239	1.000	1.140	0.27
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Top Side	1.5	656000	Full	6	1	137	-	25.00	24.43	-0.03	0.120	1.000	1.140	0.14
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Front Face	1.4	656000	Full	6	135	69	-	25.00	24.22	-0.04	0.083	1.000	1.197	0.10
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Rear Face	1.7	656000	Full	6	135	69	-	25.00	24.22	-0.12	0.362	1.000	1.197	0.43
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Left Side	1.5	656000	Full	6	135	69	-	25.00	24.22	0.04	0.235	1.000	1.197	0.28
	NR n77 PC2 (Part270)	DFT-s-OFDM QPSK100M	Top Side	1.5	656000	Full	6	135	69	-	25.00	24.22	-0.15	0.123	1.000	1.197	0.15
	WLAN2.4G	802.11b	Front Face	1	6	Full	7	-	-	100.00	16.50	15.89	0.11	0.118	1.000	1.150	0.14
	WLAN2.4G	802.11b	Rear Face	1	6	Full	7	-	-	100.00	16.50	15.89	0.05	0.125	1.000	1.150	0.14
	WLAN2.4G	802.11b	Right Side	1	6	Full	7	-	-	100.00	16.50	15.89	-0.10	0.043	1.000	1.150	0.05
	WLAN2.4G	802.11b	Top Side	1	6	Full	7	-	-	100.00	16.50	15.89	0.05	0.123	1.000	1.150	0.14
	WLAN2.4G	802.11b	Front Face	1	6	Full	8	-	-	100.00	16.50	15.55	0.03	0.088	1.000	1.245	0.11
	WLAN2.4G	802.11b	Rear Face	1	6	Full	8	-	-	100.00	16.50	15.55	-0.05	0.288	1.000	1.245	0.36
	WLAN2.4G	802.11b	Right Side	1	6	Full	8	-	-	100.00	16.50	15.55	0.02	0.167	1.000	1.245	0.21
	WLAN2.4G	802.11b	Top Side	1	6	Full	8	-	-	100.00	16.50	15.55	0.08	0.039	1.000	1.245	0.05
	WLAN2.4G	802.11b	Front Face	1	6	Full	7+8	-	-	100.00	19.50	18.61	-0.08	0.135	1.000	1.227	0.17
	WLAN2.4G	802.11b	Rear Face	1	6	Full	7+8	-	-	100.00	19.50	18.61	0.05	0.236	1.000	1.227	0.29
P92	WLAN2.4G	802.11b	Right Side	1	6	Full	7+8	-	-	100.00	19.50	18.61	0.09	0.314	1.000	1.227	0.39
	WLAN2.4G	802.11b	Top Side	1	6	Full	7+8	-	-	100.00	19.50	18.61	0.10	0.121	1.000	1.227	0.15
	WLAN5G	802.11ac80	Front Face	1	42	Full	7	-	-	88.16	18.00	16.80	-0.01	0.218	1.134	1.318	0.33
	WLAN5G	802.11ac80	Rear Face	1	42	Full	7	-	-	88.16	18.00	16.80	0.03	0.168	1.134	1.318	0.25
	WLAN5G	802.11ac80	Right Side	1	42	Full	7	-	-	88.16	18.00	16.80	-0.06	0.231	1.134	1.318	0.35
	WLAN5G	802.11ac80	Top Side	1	42	Full	7	-	-	88.16	18.00	16.80	0.05	0.173	1.134	1.318	0.26
	WLAN5G	802.11ac80	Front Face	1	42	Full	8	-	-	88.16	17.00	15.67	-0.02	0.080	1.134	1.358	0.12
	WLAN5G	802.11ac80	Rear Face	1	42	Full	8	-	-	88.16	17.00	15.67	0.08	0.116	1.134	1.358	0.18
	WLAN5G	802.11ac80	Right Side	1	42	Full	8	-	-	88.16	17.00	15.67	0.19	0.225	1.134	1.358	0.35
	WLAN5G	802.11ac80	Top Side	1	42	Full	8	-	-	88.16	17.00	15.67	0.03	0.078	1.134	1.358	0.12
	WLAN5G	802.11ac80	Front Face	1	42	Full	7+8	-	-	88.16	20.00	18.93	-0.07	0.209	1.134	1.280	0.30
	WLAN5G	802.11ac80	Rear Face	1	42	Full	7+8	-	-	88.16	20.00	18.93	0.07	0.199	1.134	1.280	0.29
P93	WLAN5G	802.11ac80	Right Side	1	42	Full	7+8	-	-	88.16	20.00	18.93	0.08	0.377	1.134	1.280	0.55
	WLAN5G	802.11ac80	Top Side	1	42	Full	7+8	-	-	88.16	20.00	18.93	-0.12	0.209	1.134	1.280	0.30
	WLAN5G	802.11ac80	Front Face	1	155	Full	7	-	-	88.16	16.00	15.34	0.16	0.140	1.134	1.165	0.18
	WLAN5G	802.11ac80	Rear Face	1	155	Full	7	-	-	88.16	16.00	15.34	0.09	0.160	1.134	1.165	0.21
	WLAN5G	802.11ac80	Right Side	1	155	Full	7	-	-	88.16	16.00	15.34	0.09	0.126	1.134	1.165	0.17
	WLAN5G	802.11ac80	Top Side	1	155	Full	7	-	-	88.16	16.00	15.34	0.12	0.141	1.134	1.165	0.19
	WLAN5G	802.11ac80	Front Face	1	155	Full	8	-	-	88.16	16.50	15.68	0.03	0.144	1.134	1.209	0.20
	WLAN5G	802.11ac80	Rear Face	1	155	Full	8	-	-	88.16	16.50	15.68	0.11	0.155	1.134	1.209	0.21
	WLAN5G	802.11ac80	Right Side	1	155	Full	8	-	-	88.16	16.50	15.68	0.05	0.355	1.134	1.209	0.49
	WLAN5G	802.11ac80	Top Side	1	155	Full	8	-	-	88.16	16.50	15.68	0.07	0.120	1.134	1.209	0.16
	WLAN5G	802.11ac80	Front Face	1	155	Full	7+8	-	-	88.16	19.50	18.22	0.00	0.171	1.134	1.344	0.26
	WLAN5G	802.11ac80	Rear Face	1	155	Full	7+8	-	-	88.16	19.50	18.22	0.09	0.165	1.134	1.344	0.25
P94	WLAN5G	802.11ac80	Right Side	1	155	Full	7+8	-	-	88.16	19.50	18.22	-0.06	0.404	1.134	1.344	0.62
	WLAN5G	802.11ac80	Top Side	1	155	Full	7+8	-	-	88.16	19.50	18.22	0.06	0.279	1.134	1.344	0.43
	BT	GFSK	Front Face	1	0	Full	7	-	-	77.00	15.50	15.21	-0.07	0.046	1.299	1.069	0.06
P95	BT	GFSK	Rear Face	1	0	Full	7	-	-	77.00	15.50	15.21	-0.07	0.075	1.299	1.069	0.10

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Plot No.	Band	Mode	Test Position	Distance (cm)	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	BT	GFSK	Right Side	1	0	Full	7	-	-	77.00	15.50	15.21	0.00	0.000	1.299	1.069	0.00
	BT	GFSK	Top Side	1	0	Full	7	-	-	77.00	15.50	15.21	0.06	0.034	1.299	1.069	0.05

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

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
	LTE 7	QPSK20M	Rear Face	21350	Sensor on	0	1	50	-	23.50	22.64	0.01	1.970	1.000	1.219	2.40
	LTE 7	QPSK20M	Rear Face	21350	Sensor on	0	50	0	-	22.50	21.64	-0.03	1.610	1.000	1.219	1.96
	LTE 7	QPSK20M	Rear Face	20850	Sensor on	0	1	50	-	23.50	22.56	0.09	2.010	1.000	1.242	2.50
P96	LTE 7	QPSK20M	Rear Face	21100	Sensor on	0	1	50	-	23.50	22.70	0.05	2.200	1.000	1.202	2.64
	LTE 7	QPSK20M	Rear Face	21350	Sensor on	0	100	0	-	22.50	21.66	0.09	1.650	1.000	1.213	2.00
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	507000	Sensor on	0	1	1	-	23.50	22.74	0.09	1.050	1.000	1.191	1.25
	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	507000	Sensor on	0	1	1	-	23.50	22.74	0.02	1.430	1.000	1.191	1.70
	NR n7	DFT-s-OFDM QPSK20M	Rear Face	507000	Sensor on	0	50	28	-	23.50	22.56	0.01	1.110	1.000	1.242	1.38
P97	NR n7	DFT-s-OFDM QPSK20M	Bottom Side	507000	Sensor on	0	50	28	-	23.50	22.56	0.09	1.540	1.000	1.242	1.91
	NR n25	DFT-s-OFDM QPSK20M	Rear Face	376500	Sensor on	5	1	1	-	20.50	19.79	0.04	1.110	1.000	1.178	1.31
	NR n25	DFT-s-OFDM QPSK20M	Left Side	376500	Sensor on	5	1	1	-	20.50	19.79	-0.05	1.230	1.000	1.178	1.45
	NR n25	DFT-s-OFDM QPSK20M	Rear Face	376500	Sensor on	5	50	28	-	20.50	19.67	0.10	1.160	1.000	1.211	1.40
P98	NR n25	DFT-s-OFDM QPSK20M	Left Side	376500	Sensor on	5	50	28	-	20.50	19.67	0.08	1.430	1.000	1.211	1.73
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	519000	Sensor on	5	1	1	-	22.00	21.55	-0.11	1.740	1.000	1.109	1.93
	NR n38	DFT-s-OFDM QPSK20M	Left Side	519000	Sensor on	5	1	1	-	22.00	21.55	0.05	2.220	1.000	1.109	2.46
	NR n38	DFT-s-OFDM QPSK20M	Top Side	519000	Sensor on	5	1	1	-	22.00	21.55	-0.03	1.060	1.000	1.109	1.18
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	519000	Sensor on	5	25	13	-	22.00	21.54	-0.09	1.960	1.000	1.112	2.18
P99	NR n38	DFT-s-OFDM QPSK20M	Left Side	519000	Sensor on	5	25	13	-	22.00	21.54	0.06	2.780	1.000	1.112	3.09
	NR n38	DFT-s-OFDM QPSK20M	Top Side	519000	Sensor on	5	25	13	-	22.00	21.54	0.10	1.190	1.000	1.112	1.32
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	516000	Sensor on	5	1	1	-	22.00	21.11	0.09	1.910	1.000	1.227	2.34
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	522000	Sensor on	5	1	1	-	22.00	21.26	0.00	1.920	1.000	1.186	2.28
	NR n38	DFT-s-OFDM QPSK20M	Left Side	516000	Sensor on	5	1	1	-	22.00	21.11	0.09	2.400	1.000	1.227	2.95
	NR n38	DFT-s-OFDM QPSK20M	Left Side	522000	Sensor on	5	1	1	-	22.00	21.26	0.04	2.430	1.000	1.186	2.88
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	516000	Sensor on	5	25	13	-	22.00	21.43	0.14	1.970	1.000	1.140	2.25
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	522000	Sensor on	5	25	13	-	22.00	21.53	0.02	1.890	1.000	1.114	2.11
	NR n38	DFT-s-OFDM QPSK20M	Left Side	516000	Sensor on	5	25	13	-	22.00	21.43	0.03	2.480	1.000	1.140	2.83
	NR n38	DFT-s-OFDM QPSK20M	Left Side	522000	Sensor on	5	25	13	-	22.00	21.53	-0.10	2.450	1.000	1.114	2.73
	NR n38	DFT-s-OFDM QPSK20M	Rear Face	519000	Sensor on	5	50	0	-	22.00	21.47	-0.08	1.960	1.000	1.130	2.21
	NR n38	DFT-s-OFDM QPSK20M	Left Side	519000	Sensor on	5	50	0	-	22.00	21.47	0.08	2.350	1.000	1.130	2.66
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	1	137	-	20.00	19.35	0.01	1.110	1.000	1.161	1.29
	NR n41	DFT-s-OFDM QPSK100M	Left Side	509202	Sensor on	5	1	137	-	20.00	19.35	0.04	1.370	1.000	1.161	1.59
	NR n41	DFT-s-OFDM	Top Side	509202	Sensor on	5	1	137	-	20.00	19.35	0.01	0.624	1.000	1.161	0.72

Plot No.	Band	Mode	Test Position	Ch.	Power Reduction	ANT.	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
		QPSK100M														
	NR n41	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	135	69	-	20.00	19.11	0.13	1.190	1.000	1.227	1.46
P100	NR n41	DFT-s-OFDM QPSK100M	Left Side	509202	Sensor on	5	135	69	-	20.00	19.11	0.19	1.560	1.000	1.227	1.91
	NR n41	DFT-s-OFDM QPSK100M	Top Side	509202	Sensor on	5	135	69	-	20.00	19.11	0.04	0.597	1.000	1.227	0.73
	NR n41	DFT-s-OFDM QPSK100M	Left Side	518598	Sensor on	5	1	137	-	20.00	18.67	-0.02	1.390	1.000	1.358	1.89
	NR n41	DFT-s-OFDM QPSK100M	Left Side	528000	Sensor on	5	1	137	-	20.00	18.88	0.07	1.370	1.000	1.294	1.77
	NR n41	DFT-s-OFDM QPSK100M	Left Side	518598	Sensor on	5	135	69	-	20.00	18.81	-0.16	1.440	1.000	1.315	1.89
	NR n41	DFT-s-OFDM QPSK100M	Left Side	528000	Sensor on	5	135	69	-	20.00	18.97	0.02	1.440	1.000	1.268	1.83
	NR n41	DFT-s-OFDM QPSK100M	Left Side	509202	Sensor on	5	270	0	-	20.00	19.03	-0.11	1.480	1.000	1.250	1.85
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	1	137	-	21.50	20.57	0.01	0.602	1.000	1.239	0.75
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	509202	Sensor on	5	1	137	-	21.50	20.57	0.06	0.789	1.000	1.239	0.98
	NR n41 PC2	DFT-s-OFDM QPSK100M	Top Side	509202	Sensor on	5	1	137	-	21.50	20.57	0.05	0.336	1.000	1.239	0.42
	NR n41 PC2	DFT-s-OFDM QPSK100M	Rear Face	509202	Sensor on	5	135	69	-	21.50	20.46	-0.06	0.694	1.000	1.271	0.88
	NR n41 PC2	DFT-s-OFDM QPSK100M	Left Side	509202	Sensor on	5	135	69	-	21.50	20.46	0.08	0.917	1.000	1.271	1.17
	NR n41 PC2	DFT-s-OFDM QPSK100M	Top Side	509202	Sensor on	5	135	69	-	21.50	20.46	0.13	0.382	1.000	1.271	0.49
	NR n66	DFT-s-OFDM QPSK40M	Rear Face	346000	Sensor on	5	1	108	-	20.50	19.79	0.05	1.020	1.000	1.178	1.20
	NR n66	DFT-s-OFDM QPSK40M	Left Side	346000	Sensor on	5	1	108	-	20.50	19.79	0.06	1.110	1.000	1.178	1.31
	NR n66	DFT-s-OFDM QPSK40M	Rear Face	346000	Sensor on	5	108	54	-	20.50	19.82	0.14	1.120	1.000	1.169	1.31
P101	NR n66	DFT-s-OFDM QPSK40M	Left Side	346000	Sensor on	5	108	54	-	20.50	19.82	0.02	1.270	1.000	1.169	1.49
	WLAN5G	802.11ac80	Front Face	58	Full	7	-	-	88.16	17.00	15.96	-0.02	0.389	1.134	1.270	0.56
	WLAN5G	802.11ac80	Rear Face	58	Full	7	-	-	88.16	17.00	15.96	0.05	0.185	1.134	1.270	0.27
	WLAN5G	802.11ac80	Right Side	58	Full	7	-	-	88.16	17.00	15.96	-0.06	0.446	1.134	1.270	0.64
	WLAN5G	802.11ac80	Top Side	58	Full	7	-	-	88.16	17.00	15.96	0.17	0.324	1.134	1.270	0.47
	WLAN5G	802.11ac80	Front Face	58	Full	8	-	-	88.16	17.00	16.12	0.02	0.141	1.134	1.225	0.20
	WLAN5G	802.11ac80	Rear Face	58	Full	8	-	-	88.16	17.00	16.12	0.05	0.329	1.134	1.225	0.46
	WLAN5G	802.11ac80	Right Side	58	Full	8	-	-	88.16	17.00	16.12	-0.01	0.590	1.134	1.225	0.82
	WLAN5G	802.11ac80	Top Side	58	Full	8	-	-	88.16	17.00	16.12	0.09	0.037	1.134	1.225	0.05
	WLAN5G	802.11ac80	Front Face	58	Full	7+8	-	-	88.16	19.50	18.92	-0.13	0.538	1.134	1.144	0.70
	WLAN5G	802.11ac80	Rear Face	58	Full	7+8	-	-	88.16	19.50	18.92	-0.04	0.353	1.134	1.144	0.46
P102	WLAN5G	802.11ac80	Right Side	58	Full	7+8	-	-	88.16	19.50	18.92	-0.10	1.040	1.134	1.144	1.35
	WLAN5G	802.11ac80	Top Side	58	Full	7+8	-	-	88.16	19.50	18.92	0.13	0.305	1.134	1.144	0.40

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

4.6.6 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Band	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
LTE 43	Left Cheek	44490	0.879	0.812	1.08	N/A	N/A	N/A	N/A
NR n38	Right Tilted	519000	0.896	0.851	1.05	N/A	N/A	N/A	N/A
WLAN2.4G	Left Cheek	1	0.953	0.939	1.01	N/A	N/A	N/A	N/A
WLAN5G	Left Cheek	58	1.050	0.998	1.05	N/A	N/A	N/A	N/A

Band	Test Position 10mm	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
GSM1900	Rear Face	810	0.811	0.767	1.06	N/A	N/A	N/A	N/A
NR n7	Bottom Side	502000	0.958	0.912	1.05	N/A	N/A	N/A	N/A

Band	Test Position 0mm	Ch.	Original Measured SAR-10g (W/kg)	1st Repeated SAR-10g (W/kg)	L/S Ratio	2nd Repeated SAR-10g (W/kg)	L/S Ratio	3rd Repeated SAR-10g (W/kg)	L/S Ratio
NR n38	Left Side	519000	2.780	2.710	1.03	N/A	N/A	N/A	N/A

4.6.7 Simultaneous Multi-band Transmission Evaluation

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

Simultaneous TX Combination	Capable Transmit Configurations	Head	Body worn	Hotspot	Extremity
1	WWAN + WLAN2.4G Ant7	No	No	Yes	No
2	WWAN + WLAN2.4G Ant8	No	No	Yes	No
3	WWAN + WLAN2.4G Ant7+8	No	No	Yes	No
4	WWAN + WLAN5G Ant7	No	No	Yes	No
5	WWAN + WLAN5G Ant8	No	No	Yes	No
6	WWAN + WLAN5G Ant7+8	No	No	Yes	No
7	WWAN + BT	No	No	Yes	No

Note:

1. The single uplink 1g SAR values for each LTE Anchors Bands and 5G NR are both less than 0.8W/kg and the algebraic summation of the 1g SAR value are less than 1.45W/kg, additional measurement is not required according to TCB workshop guidance.
2. According to the manufacturer's statement, this EUT does WWAN and WLAN/BT support simultaneous transmission only in hotspot mode

<SAR Summation Analysis>

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

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

Test Engineer : Chang Gao, and Zixiao Xia.

4. Calibration of Test Equipment

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D750V3	1200	Oct. 27, 2021	3 Years
System Validation Dipole	SPEAG	D835V2	4d265	Oct. 18, 2021	3 Years
System Validation Dipole	SPEAG	D1750V2	1176	Oct. 19, 2021	3 Years
System Validation Dipole	SPEAG	D1900V2	5d159	Sep. 16, 2021	3 Years
System Validation Dipole	SPEAG	D2450V2	1048	Oct. 21, 2021	3 Years
System Validation Dipole	SPEAG	D2600V2	1110	Sep. 16, 2021	3 Years
System Validation Dipole	SPEAG	D3500V2	1111	Oct. 21, 2021	3 Years
System Validation Dipole	SPEAG	D3700V2	1082	Oct. 20, 2021	3 Years
System Validation Dipole	SPEAG	D3900V2	1055	Oct. 25, 2021	3 Years
System Validation Dipole	SPEAG	D5GHzV2	1315	Oct. 22, 2021	3 Years
Data Acquisition Electronics	SPEAG	DAE4	755	Mar. 23, 2023	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3985	Jul. 10, 2023	1 Year
Radio Communication Analyzer	ANRITSU	MT8821C	6272416925	Aug. 26, 2022	2 Year
Vector Network Analyzer	SPEAG	VNA R140	0121219	Feb. 17, 2023	1 Year
dielectric parameter probes	SPEAG	DAK-3.5	1119	Feb. 20, 2023	1 Year
Power Meter	Rohde&Schwarz	NRX	102380	Feb. 15, 2022	2 Years
Power Sensor	Rohde&Schwarz	NRP6A	102942	Feb. 15, 2022	2 Years
Power Sensor	Rohde&Schwarz	NRP6A	102943	Feb. 15, 2022	2 Years
ESG Analog Signal Generator	Rohde&Schwarz	SMB100A03	182185	Feb. 16, 2022	2 Years
Coupler	Woken	0110A056020-10	COM27RW1A3	May. 10, 2023	1 Year
Temp.&Humi.Recorder	ANYMETER	JR912	SZ01	Jun. 19, 2022	2 Year

Note:

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

5. Measurement Uncertainty

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

Uncertainty budget for frequency range 300 MHz to 3 GHz

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

Uncertainty budget for frequency range 30 MHz to 6 GHz

6. Information on the Testing Laboratories

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

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

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

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

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Appendix A. SAR Plots of System Verification

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

System Check_HSL750_230920**DUT: Dipole 750 MHz; Type: D750V3**

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

Medium: HSL750_0920 Medium parameters used: $f = 750$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 42.376$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 750 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.30 W/kg

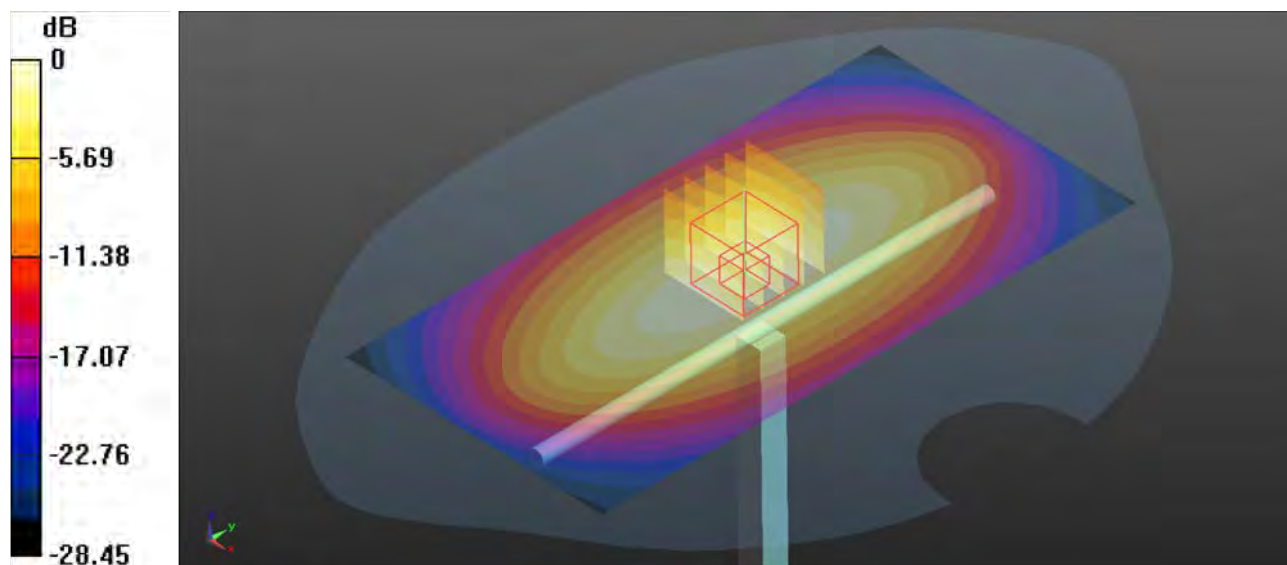
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.26 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (measured) = 2.32 W/kg



0 dB = 2.32 W/kg

System Check_HSL835_230919**DUT: Dipole 835 MHz; Type: D835V2**

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

Medium: HSL835_0919 Medium parameters used: $f = 835$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 41.997$; $\rho = 1000$ kg/m³

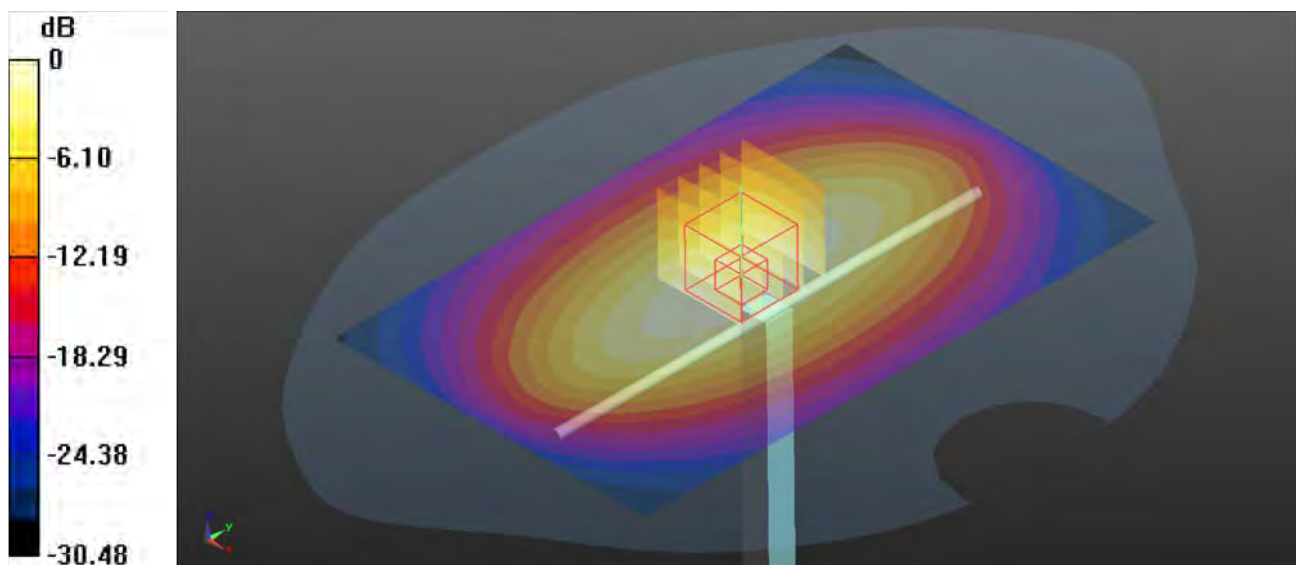
Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 835 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.63 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.29 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.65 W/kg
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.57 W/kg
Maximum value of SAR (measured) = 2.63 W/kg



0 dB = 2.63 W/kg

System Check_HSL1750_230921**DUT: Dipole 1750 MHz; Type: D1750V2**

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

Medium: HSL1750_0921 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 39.84$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1750 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 10.5 W/kg

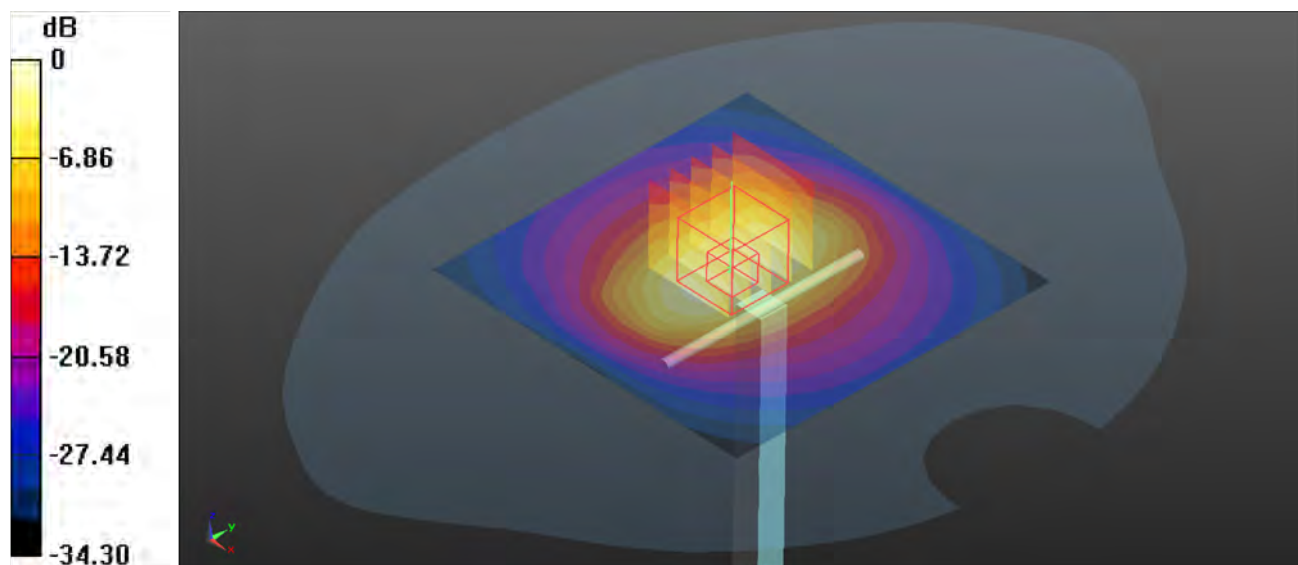
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.31 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 9.39 W/kg; SAR(10 g) = 4.98 W/kg

Maximum value of SAR (measured) = 10.5 W/kg



0 dB = 10.5 W/kg

System Check_HSL1750_231025**DUT: Dipole 1750 MHz; Type: D1750V2**

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

Medium: HSL1750_1025 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 39.833$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1750 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.4 W/kg

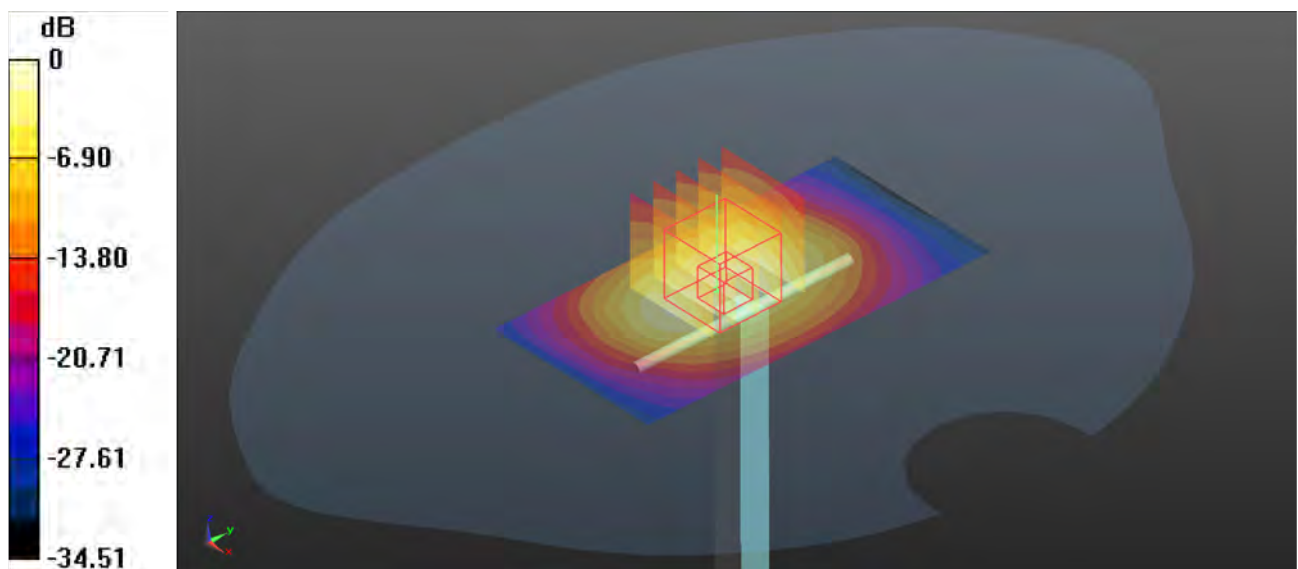
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.93 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 9.01 W/kg; SAR(10 g) = 4.78 W/kg

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



0 dB = 10.0 W/kg

System Check_HSL1900_230922**DUT: Dipole 1900 MHz; Type: D1900V2**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.443$ S/m; $\epsilon_r = 39.593$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1900 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.2 W/kg

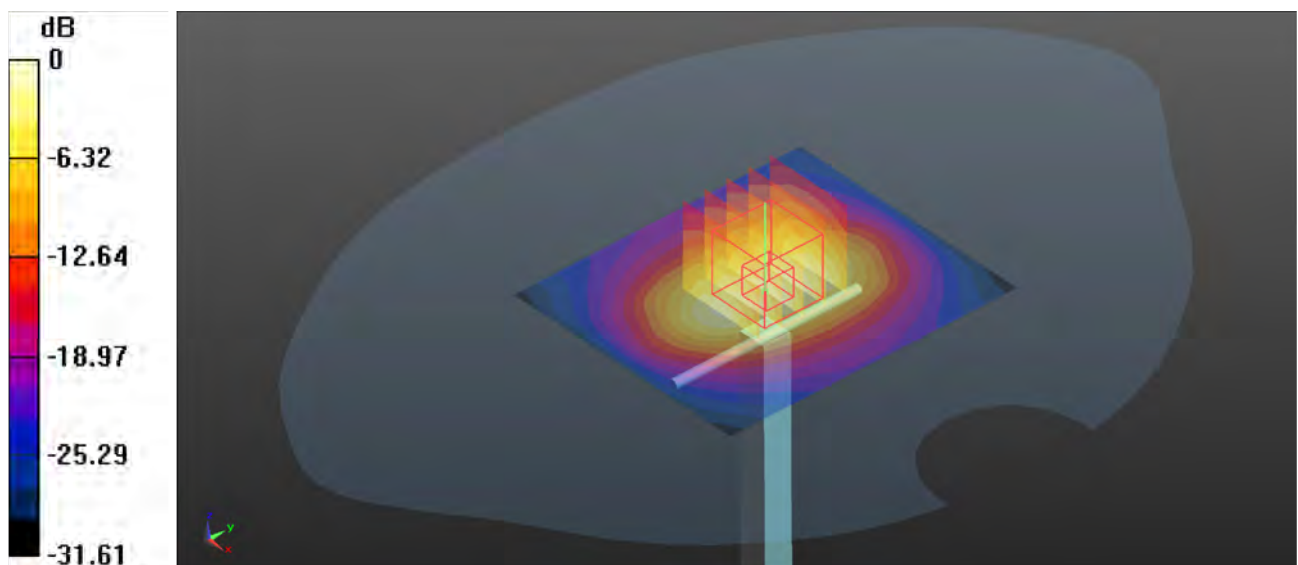
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 100.5 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.25 W/kg

Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg

System Check_HSL2450_230923**DUT: Dipole 2450 MHz; Type: D2450V2**

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

Medium: HSL2450_0923 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.817$ S/m; $\epsilon_r = 39.309$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.8, 7.8, 7.8) @ 2450 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

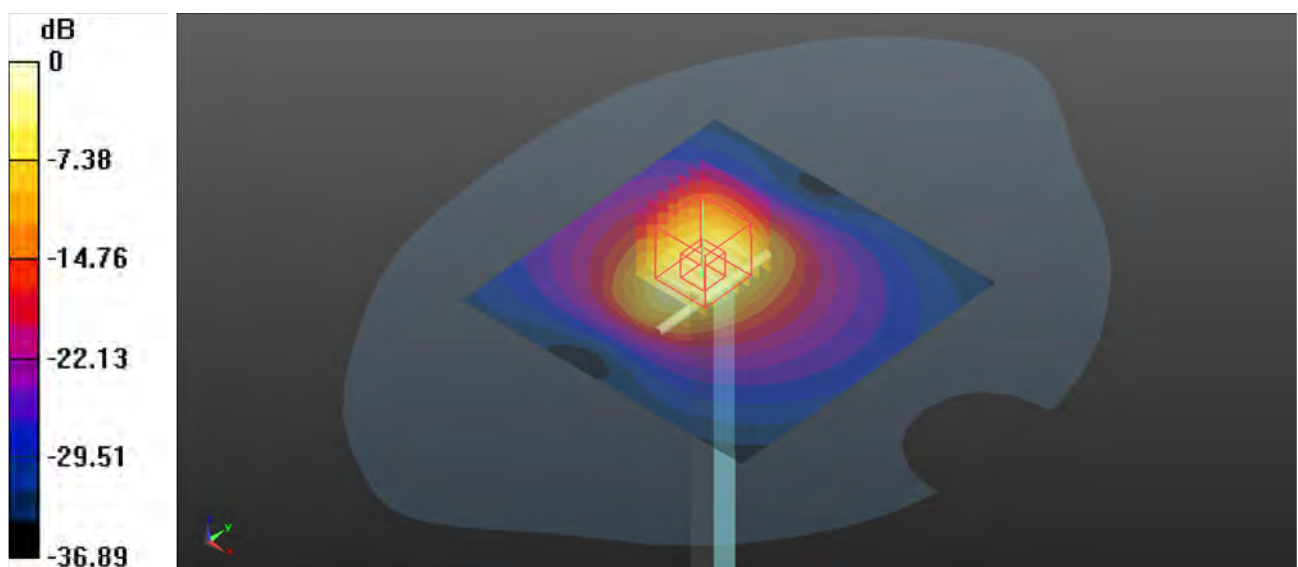
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.83 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 25.9 W/kg

SAR(1 g) = 12.57 W/kg; SAR(10 g) = 5.75 W/kg

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



0 dB = 20.9 W/kg

System Check_HSL2600_230924**DUT: Dipole 2600 MHz; Type: D2600V2**

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600_0924 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 39.326$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2600 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 19.6 W/kg

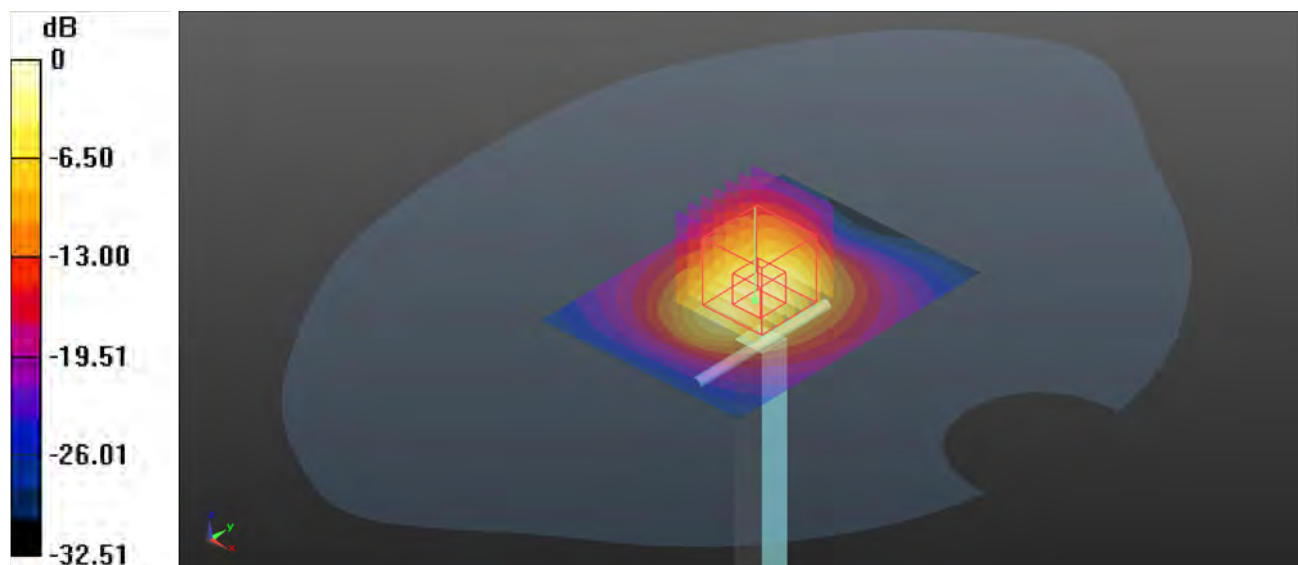
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 106.9 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 26.42 W/kg

SAR(1 g) = 13.16 W/kg; SAR(10 g) = 5.93 W/kg

Maximum value of SAR (measured) = 19.62 W/kg



0 dB = 19.62 W/kg

System Check_HSL2600_230925**DUT: Dipole 2600 MHz; Type: D2600V2**

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600_0925 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.977$ S/m; $\epsilon_r = 39.321$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2600 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

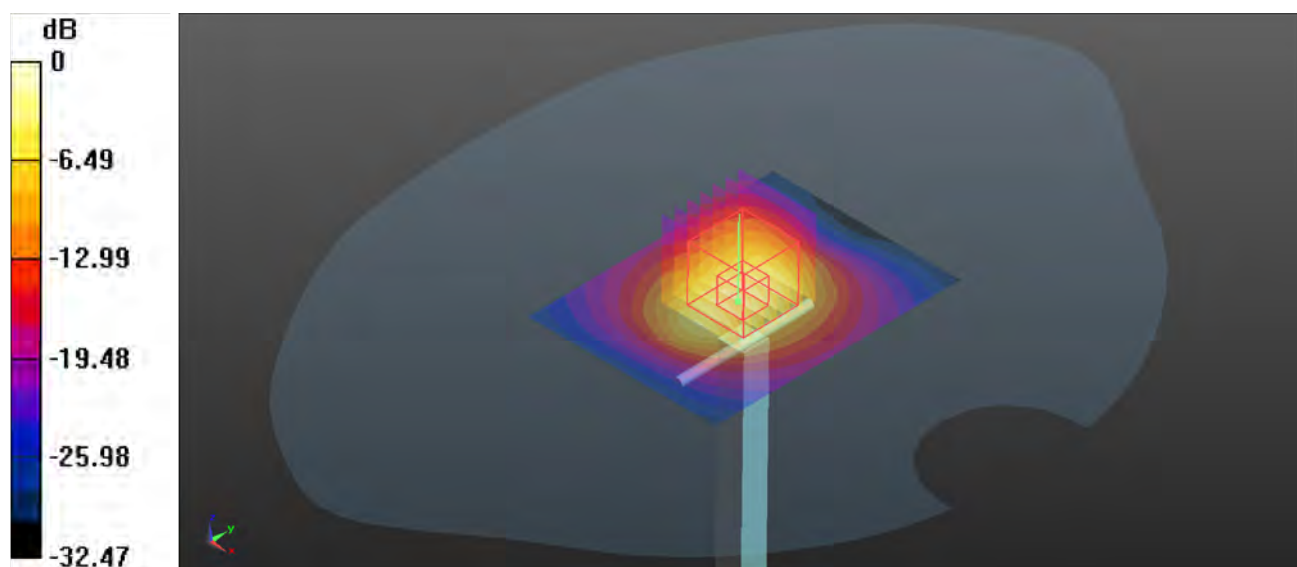
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 108.7 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 13.15 W/kg; SAR(10 g) = 5.91 W/kg

Maximum value of SAR (measured) = 19.72 W/kg



0 dB = 19.72 W/kg

System Check_HSL2600_230926**DUT: Dipole 2600 MHz; Type: D2600V2**

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600_0926 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.18$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2600 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 19.79 W/kg

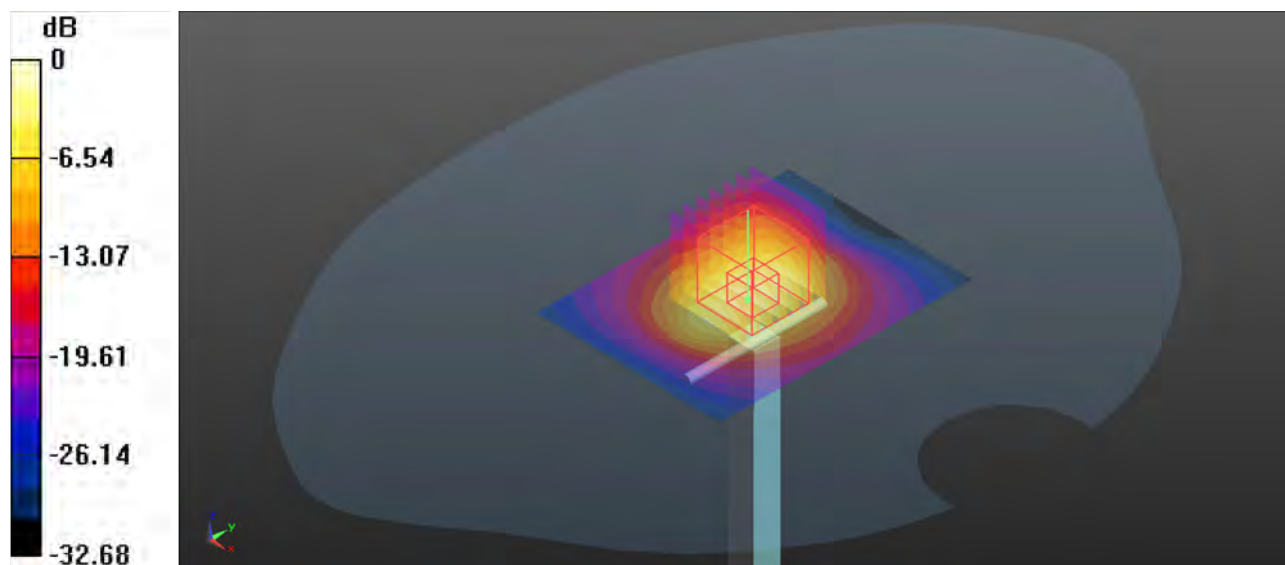
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 107.8 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 26.47 W/kg

SAR(1 g) = 13.18 W/kg; SAR(10 g) = 5.94 W/kg

Maximum value of SAR (measured) = 19.75 W/kg



0 dB = 19.75 W/kg

System Check_HSL2600_230927**DUT: Dipole 2600 MHz; Type: D2600V2**

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600_0927 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.005$ S/m; $\epsilon_r = 39.319$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2600 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 19.76 W/kg

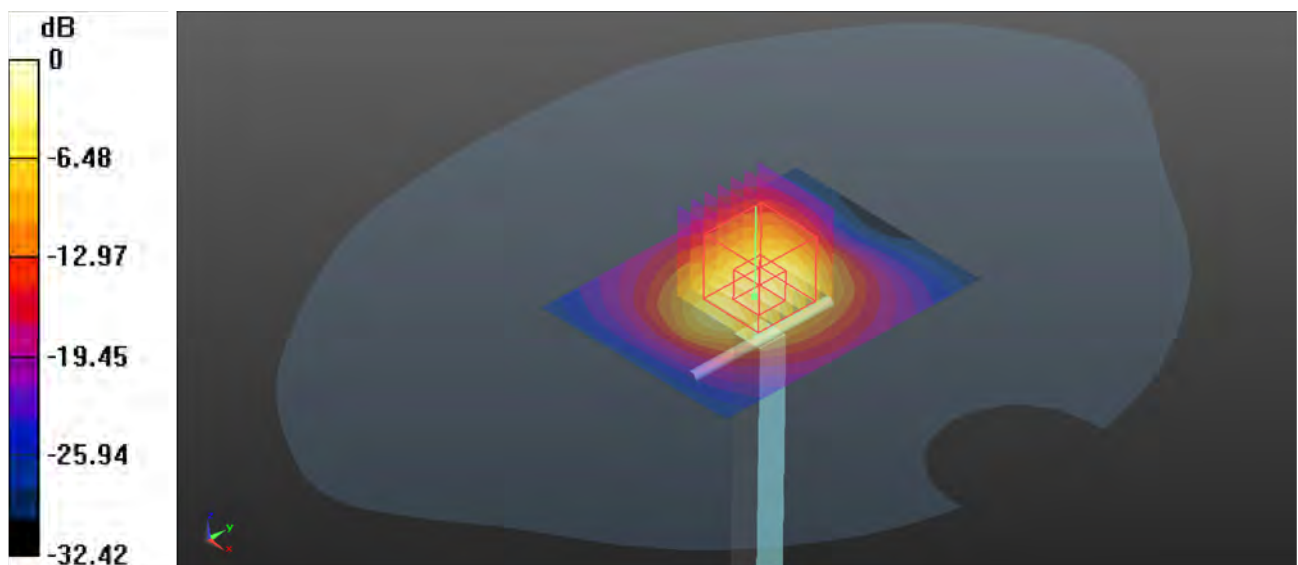
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 107.2 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 26.41 W/kg

SAR(1 g) = 13.15 W/kg; SAR(10 g) = 5.92 W/kg

Maximum value of SAR (measured) = 19.73 W/kg



0 dB = 19.73 W/kg

System Check_HSL3500_230928**DUT: Dipole 3500 MHz; Type: D3500V2**

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

Medium: HSL3500_0928 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.821$ S/m; $\epsilon_r = 39.687$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.01, 7.01, 7.01) @ 3500 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 11.65 W/kg

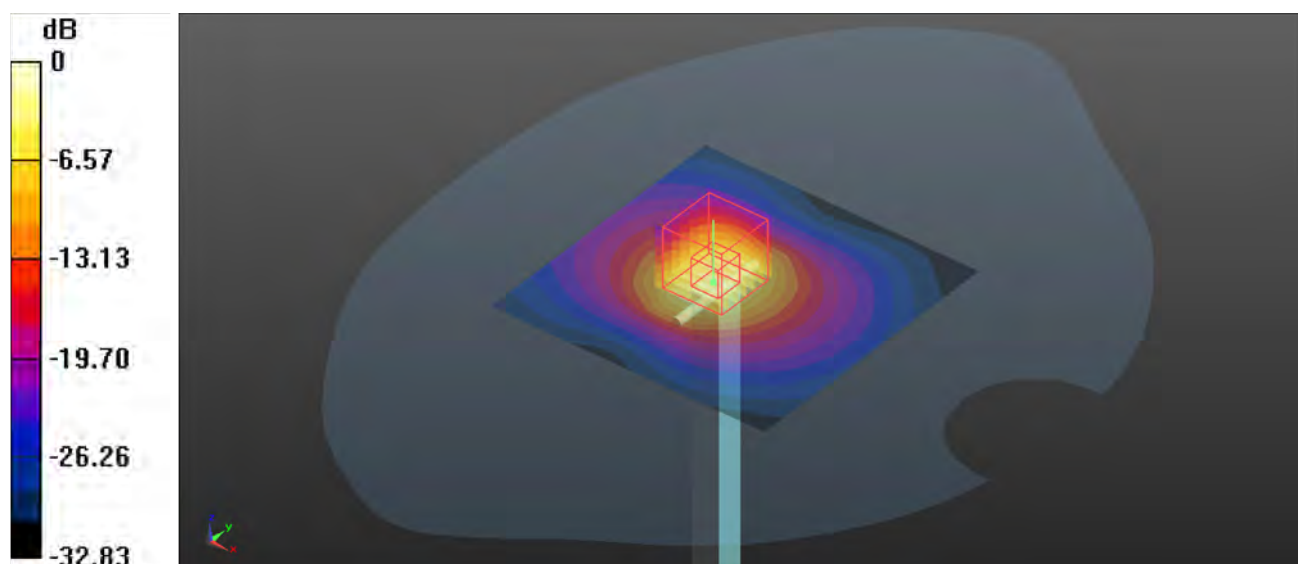
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.37 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 16.31 W/kg

SAR(1 g) = 6.21 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 11.93 W/kg



0 dB = 11.93 W/kg

System Check_HSL3500_231005**DUT: Dipole 3500 MHz; Type: D3500V2**

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

Medium: HSL3500_1005 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.829$ S/m; $\epsilon_r = 39.584$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.01, 7.01, 7.01) @ 3500 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 11.85 W/kg

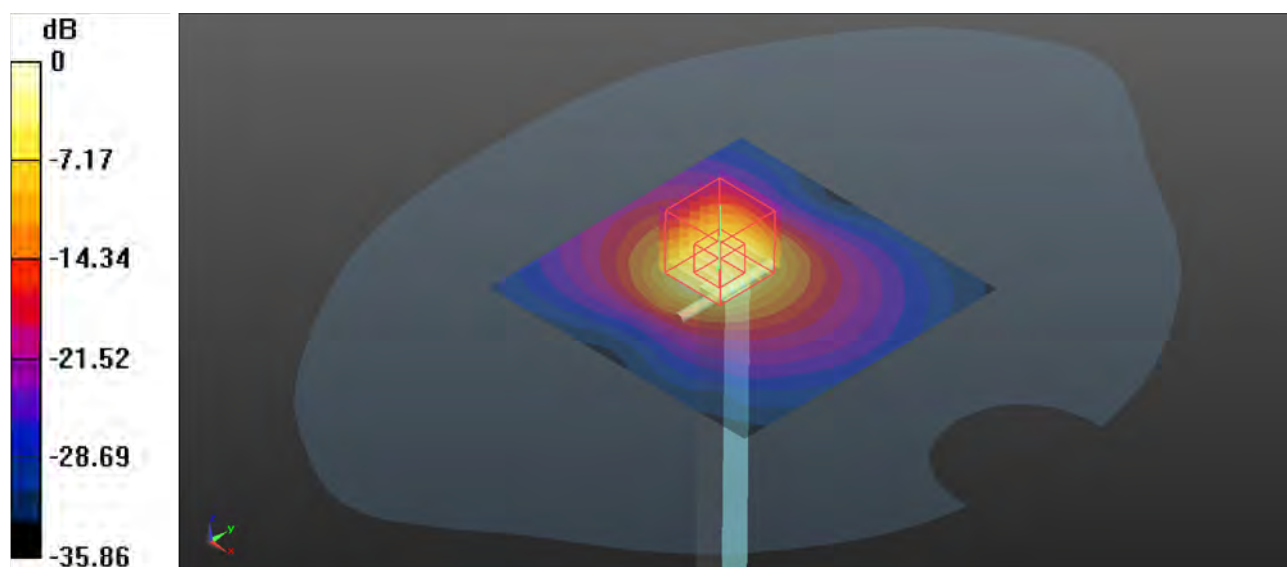
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 29.21 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 15.8 W/kg

SAR(1 g) = 6.29 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 11.83 W/kg



0 dB = 11.83 W/kg

System Check_HSL3500_231026**DUT: Dipole 3500 MHz; Type: D3500V2**

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

Medium: HSL3500_1026 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.865$ S/m; $\epsilon_r = 39.552$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.01, 7.01, 7.01) @ 3500 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

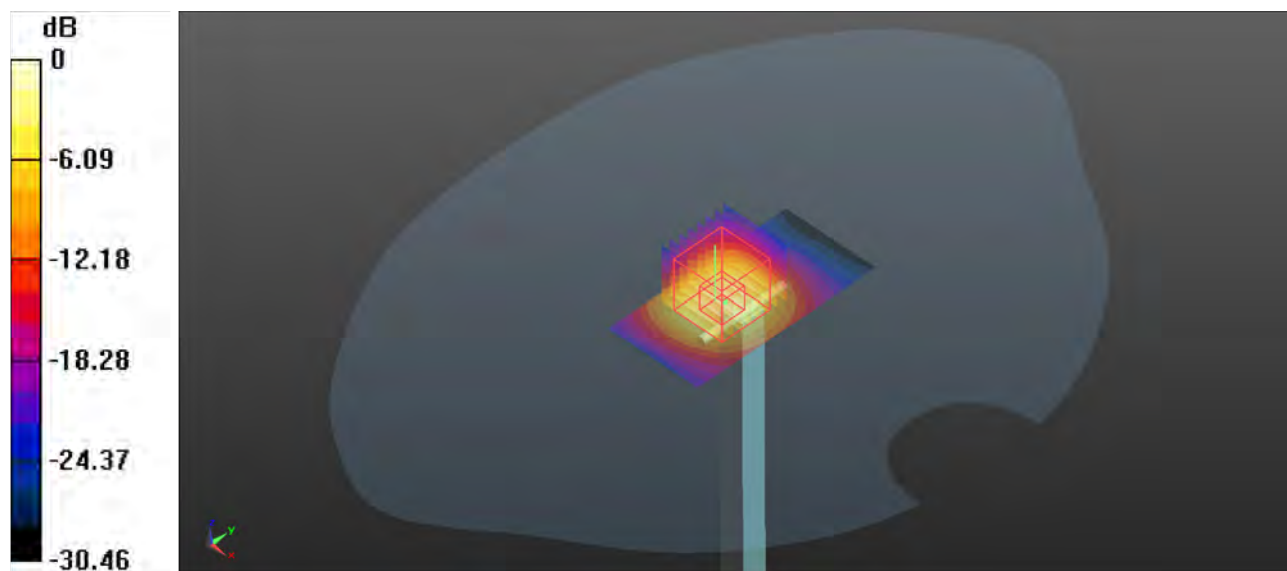
Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 16.1 W/kg

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

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



0 dB = 8.56 W/kg

System Check_HSL3700_231004**DUT: Dipole 3700 MHz; Type: D3700V2**

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

Medium: HSL3700_1004 Medium parameters used: $f = 3700$ MHz; $\sigma = 3.004$ S/m; $\epsilon_r = 39.284$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3700 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

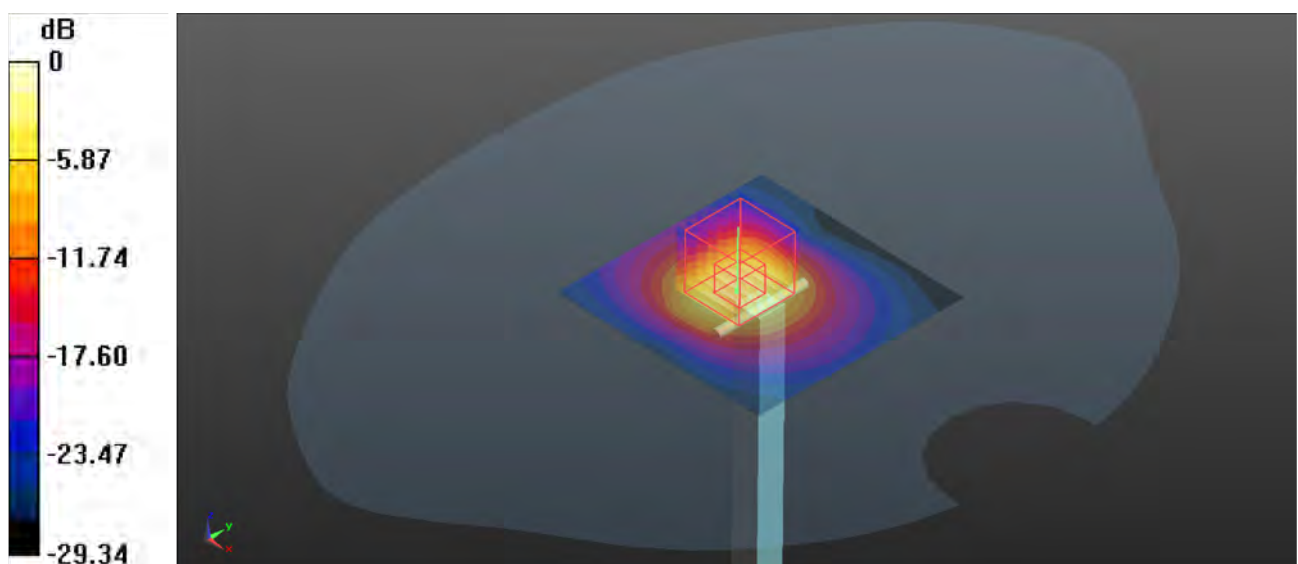
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 45.64 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 6.56 W/kg; SAR(10 g) = 2.46 W/kg

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



0 dB = 13.0 W/kg

System Check_HSL3700_231026**DUT: Dipole 3700 MHz; Type: D3700V2**

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

Medium: HSL3700_1026 Medium parameters used: $f = 3700$ MHz; $\sigma = 3.054$ S/m; $\epsilon_r = 38.374$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3700 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 13.5 W/kg

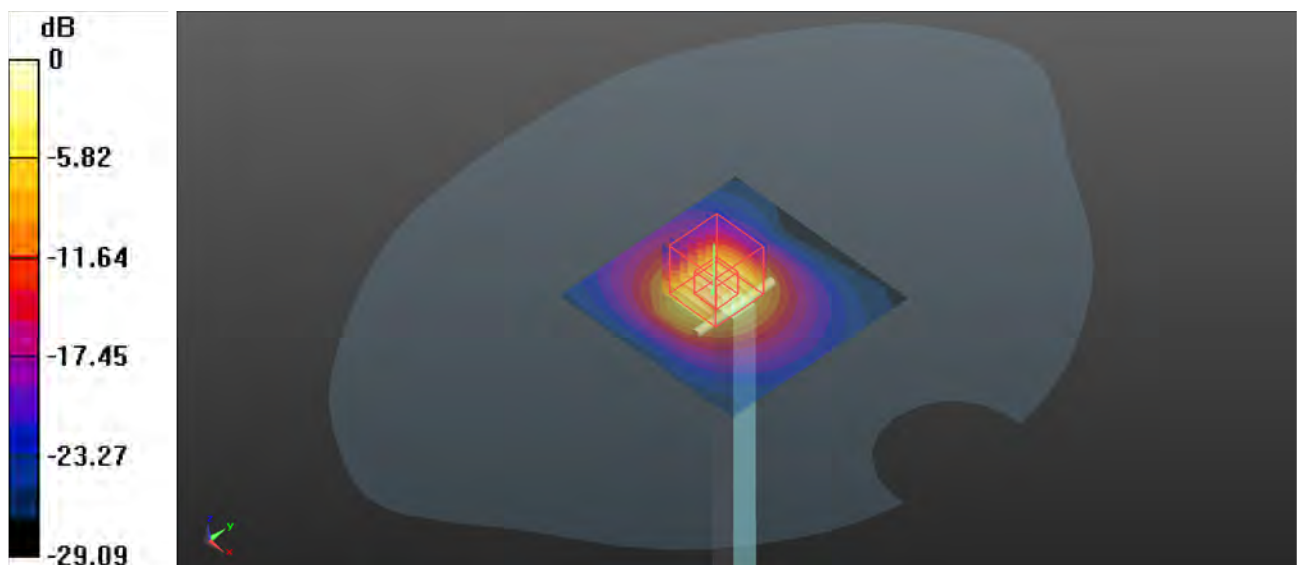
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 6.79 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg

System Check_HSL3900_230928**DUT: Dipole 3900 MHz; Type: D3900V2**

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

Medium: HSL3900_0928 Medium parameters used: $f = 3900$ MHz; $\sigma = 3.214$ S/m; $\epsilon_r = 38.996$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.72, 6.72, 6.72) @ 3900 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 13.6 W/kg

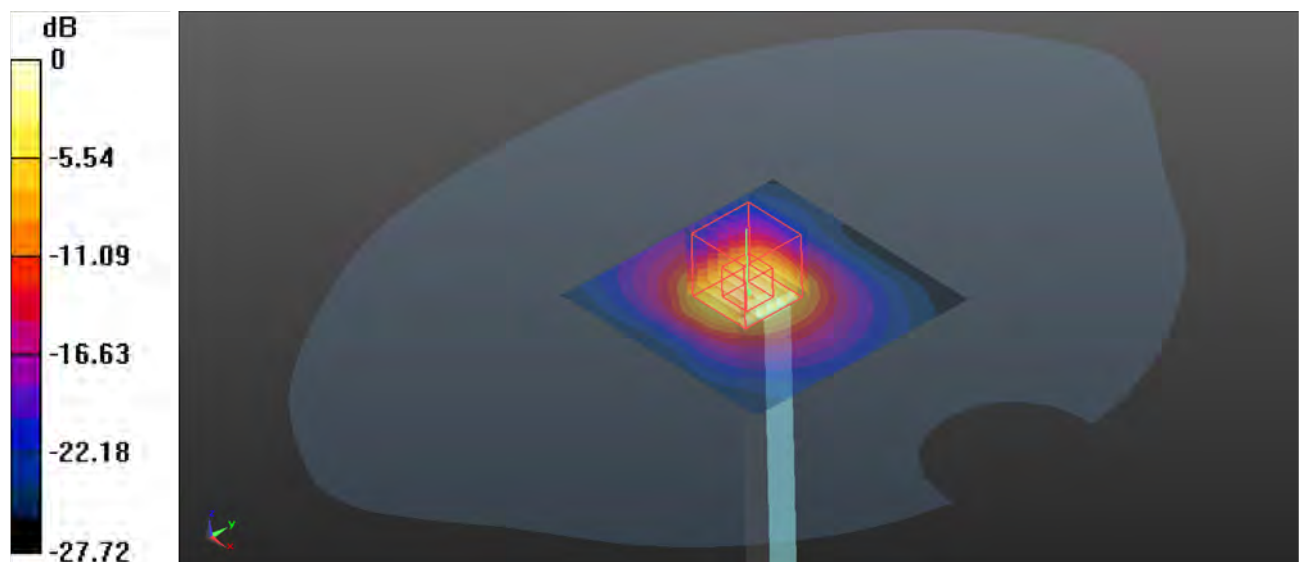
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 44.99 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 6.69 W/kg; SAR(10 g) = 2.4 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg

System Check_HSL5250_231006**DUT: Dipole 5GHZ; Type: D5GHzV2**

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

Medium: HSL5G_1006 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.601$ S/m; $\epsilon_r = 35.018$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.6, 5.6, 5.6) @ 5250 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 17.8 W/kg

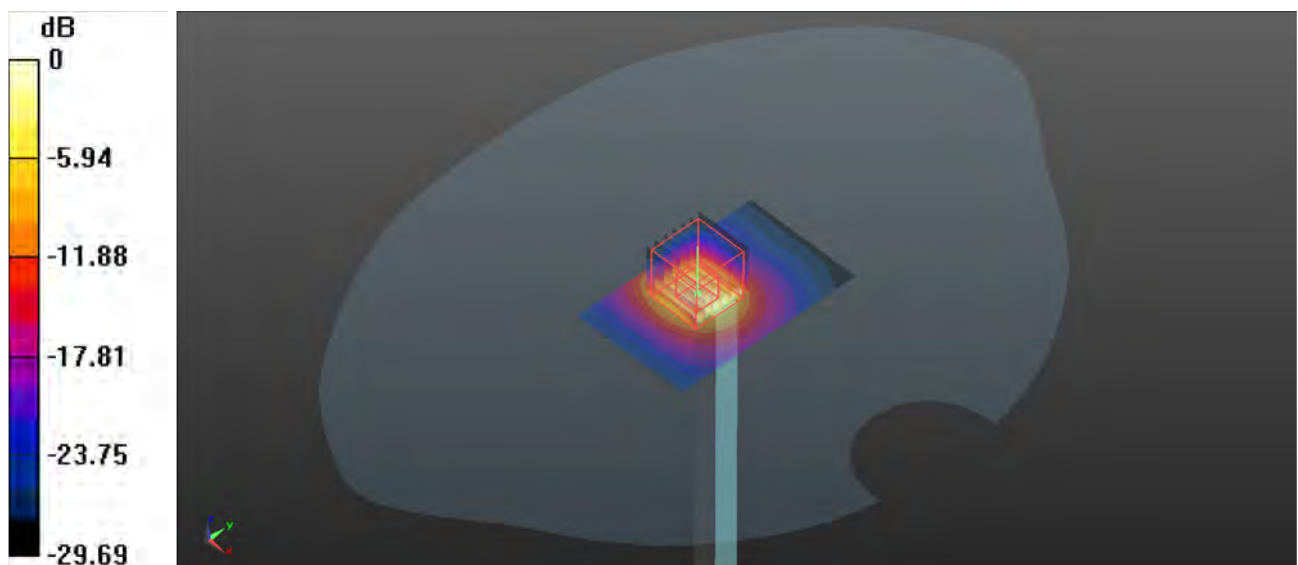
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.88 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 7.28 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 18.8 W/kg



0 dB = 18.8 W/kg

System Check_HSL5600_231006**DUT: Dipole 5GHZ; Type: D5GHzV2**

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

Medium: HSL5G_1006 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.061$ S/m; $\epsilon_r = 34.606$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.08, 5.08, 5.08) @ 5600 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 20.6 W/kg

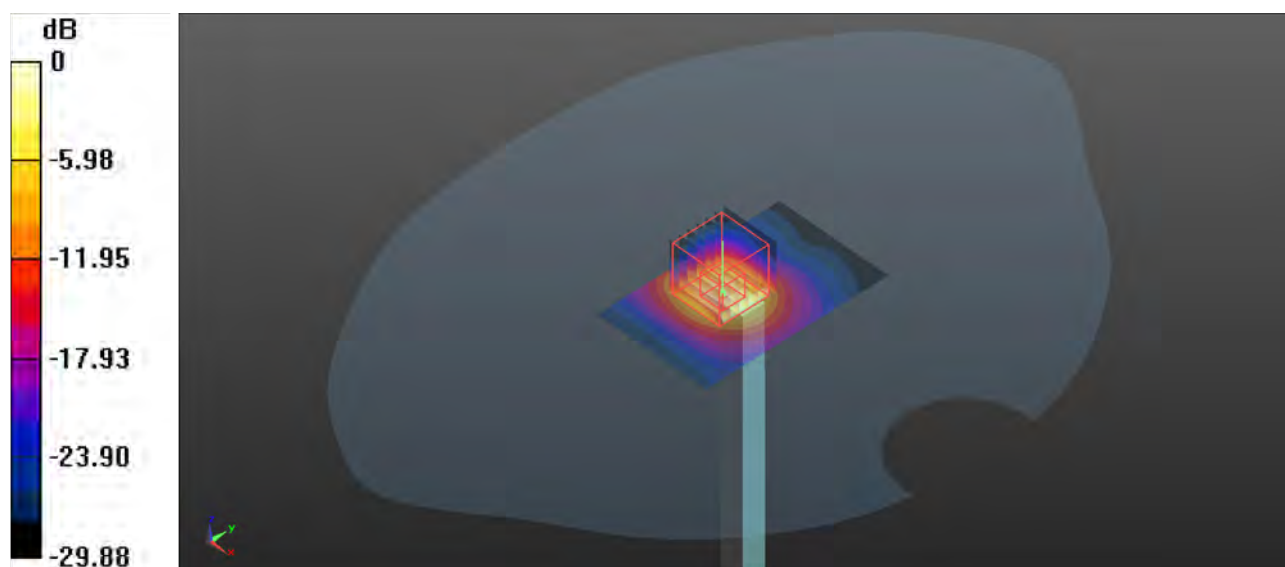
Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 37.1 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 20.1 W/kg



0 dB = 20.1 W/kg

System Check_HSL5750_231007**DUT: Dipole 5GHZ; Type: D5GHzV2**

Communication System: CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL5G_1007 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.103$ S/m; $\epsilon_r = 34.241$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.16, 5.16, 5.16) @ 5750 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 18.1 W/kg

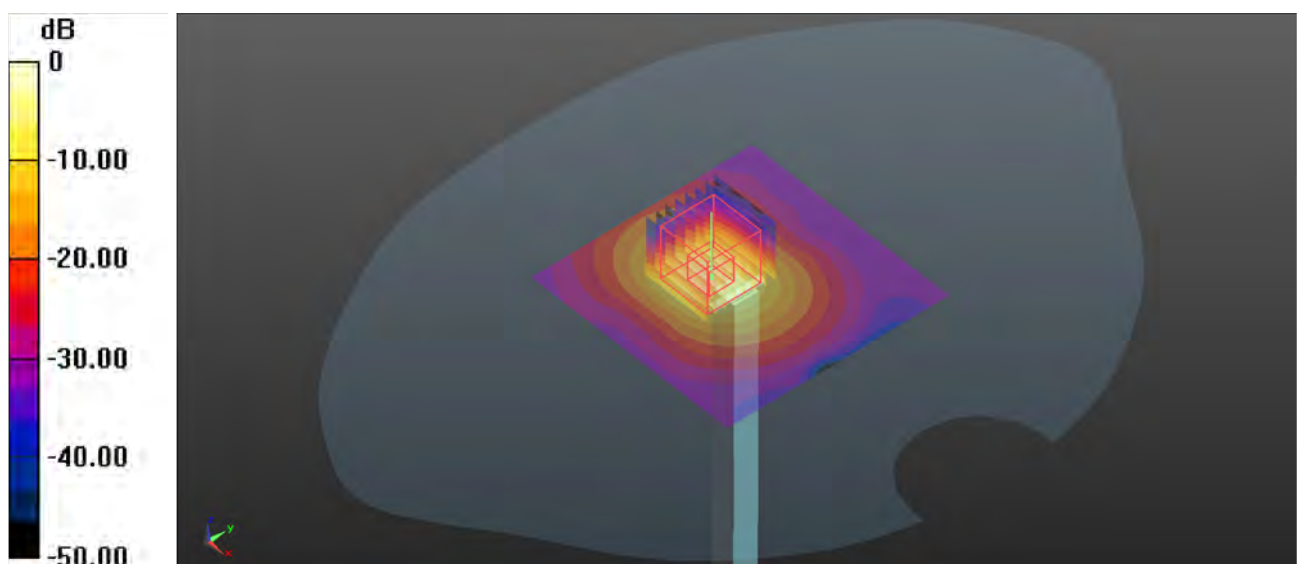
Pin=100mW/Zoom Scan (8x8x17)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.5mm

Reference Value = 24.54 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 33.9 W/kg

SAR(1 g) = 7.43 W/kg; SAR(10 g) = 2.1 W/kg

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



0 dB = 18.4 W/kg

Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

P01 GSM850_GPRS 2Tx Slot_Right Cheek_Ch189_Ant0

Communication System: GPRS 2Tx Slot; Frequency: 836.4 MHz; Duty Cycle: 1:4.15

Medium: HSL835_0919 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 41.989$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 836.4 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.441 W/kg

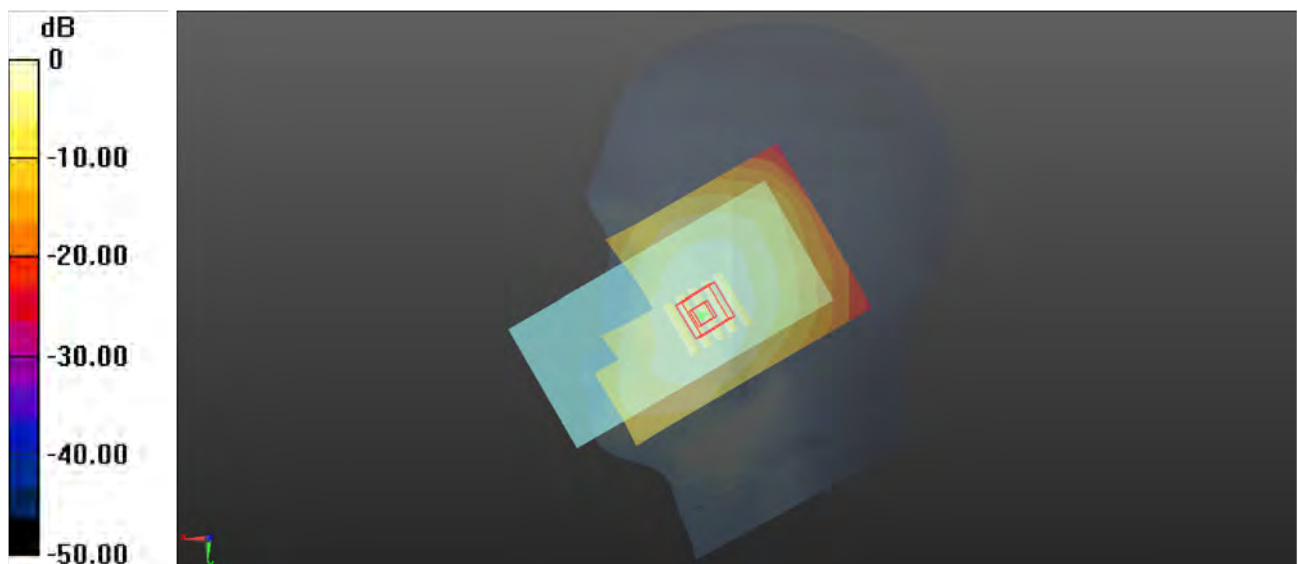
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.764 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.545 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.306 W/kg

Maximum value of SAR (measured) = 0.455 W/kg



0 dB = 0.455 W/kg

P02 GSM1900_GPRS 2Tx Slot_Left Cheek_Ch661_Ant0

Communication System: GPRS 2Tx Slot; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL1900_0922 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1880 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.844 W/kg

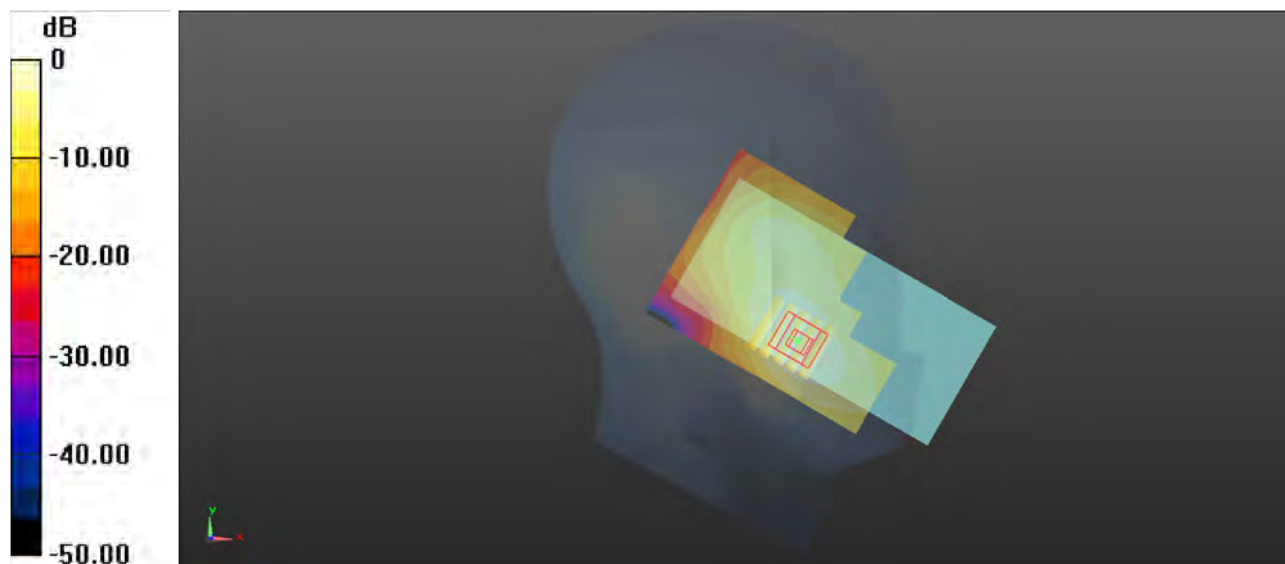
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.100 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 0.785 W/kg



0 dB = 0.785 W/kg

P03 WCDMA II_RMC12.2K_Left Cheek_Ch9538_Ant4

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 40.199$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1907.6 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.231 W/kg

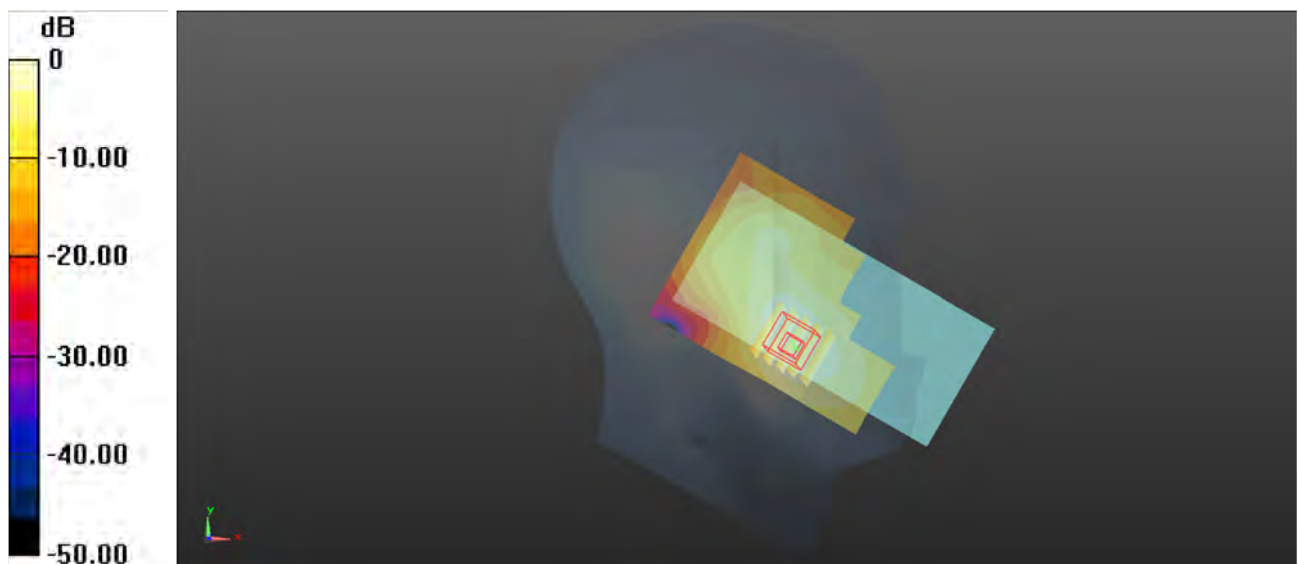
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.410 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.234 W/kg



0 dB = 0.234 W/kg

P04 WCDMA IV_RMC12.2K_Left Cheek_Ch1513_Ant4

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.418$ S/m; $\epsilon_r = 39.834$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1752.6 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.189 W/kg

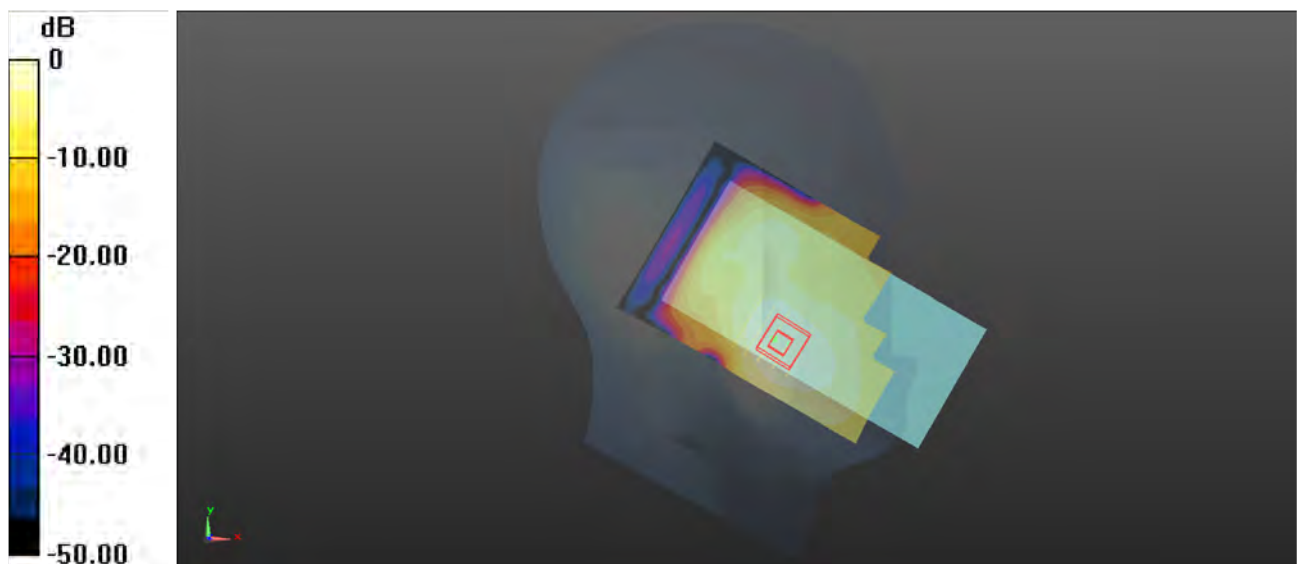
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.102 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.191 W/kg

P05 WCDMA V_RMC12.2K_Right Cheek_Ch4182_Ant0

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 41.989$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 836.4 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.323 W/kg

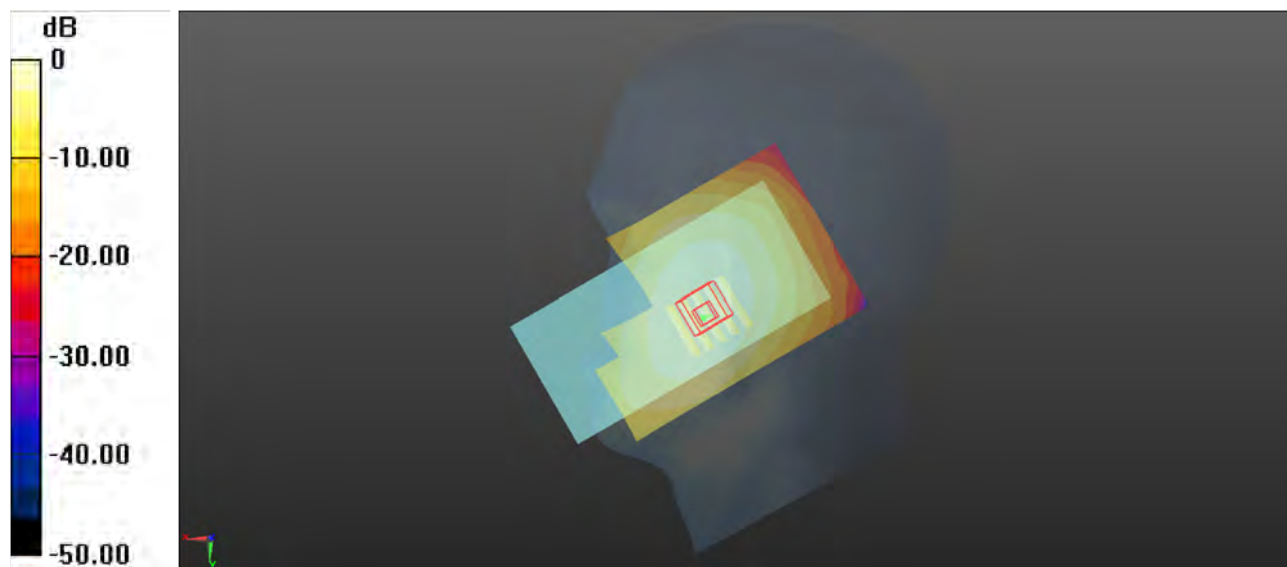
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.654 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.325 W/kg



0 dB = 0.325 W/kg

P06 LTE 7_QPSK20M_Right Cheek_Ch21350_1RB_OS50_Ant0

Communication System: LTE_FDD; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL2600_0926 Medium parameters used: $f = 2560$ MHz; $\sigma = 1.902$ S/m; $\epsilon_r = 39.084$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2560 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.167 W/kg

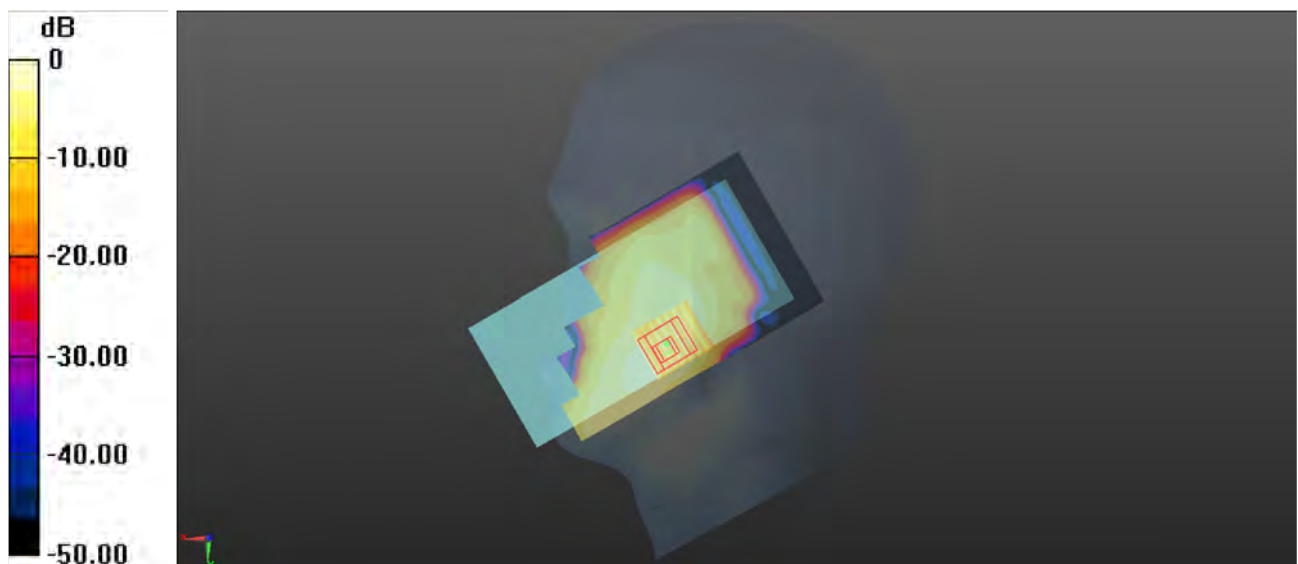
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.601 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg

P07 LTE 12_QPSK10M_Left Cheek_Ch23130_1RB_OS24_Ant0

Communication System: LTE_FDD; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 711$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 42.477$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 711 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x81x1)**: Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.235 W/kg

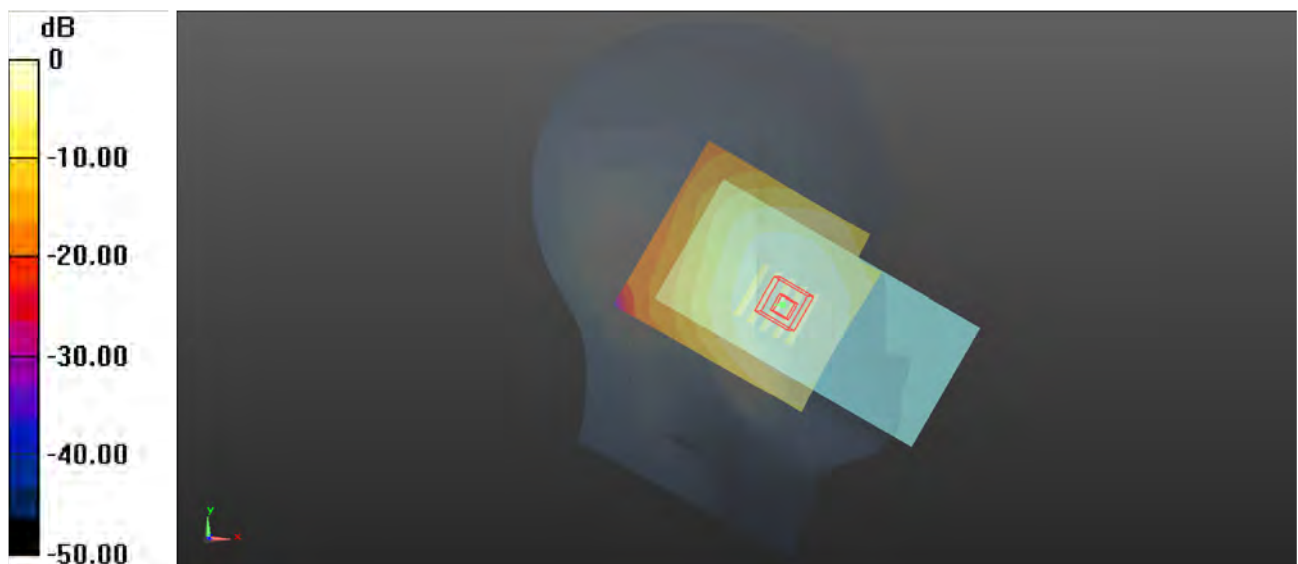
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.941 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg

P08 LTE 13_QPSK10M_Right Cheek_Ch23230_1RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 42.271$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 782 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.180 W/kg

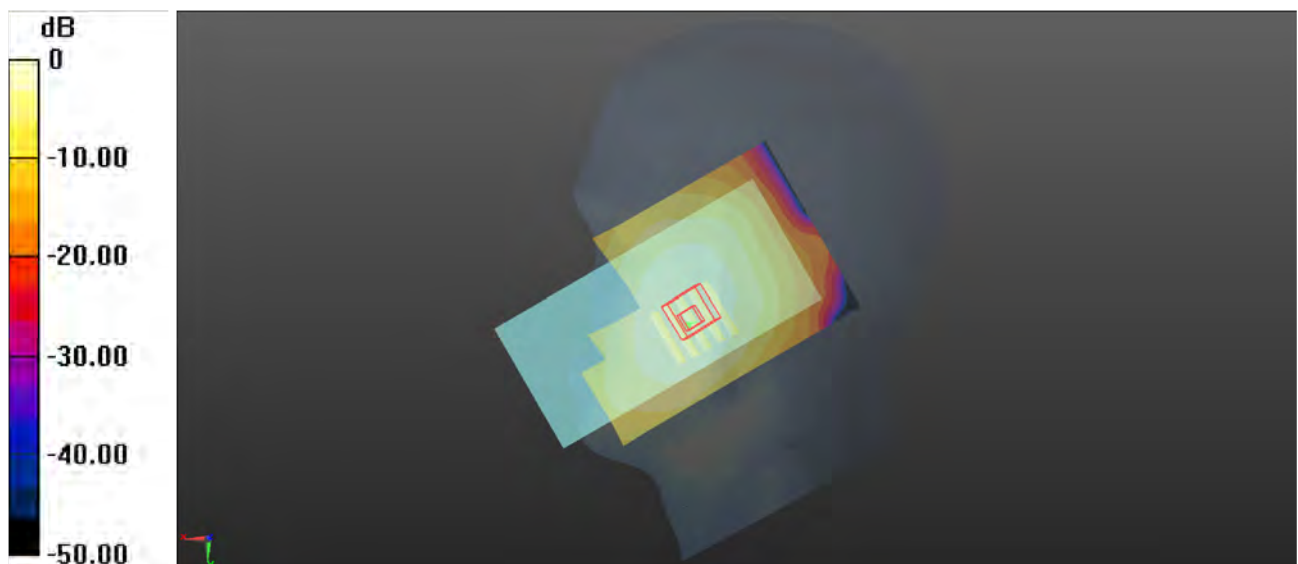
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.685 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.162 W/kg ; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.181 W/kg



0 dB = 0.181 W/kg

P09 LTE 25_QPSK20M_Left Cheek_Ch26590_1RB_OS50_ANT4

Communication System: LTE_FDD; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 39.588$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1905 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.338 W/kg

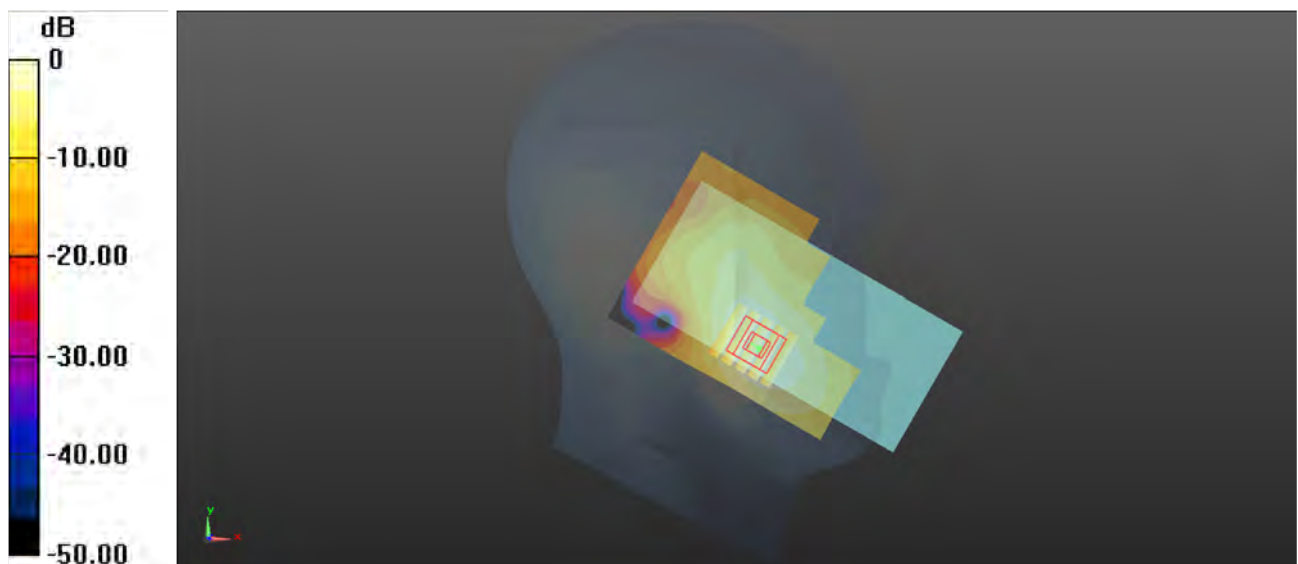
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.143 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.423 W/kg

SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg

P10 LTE 26_QPSK15M_Left Cheek_Ch26865_1RB_OS37_Ant0

Communication System: LTE_FDD; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 42.014$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 831.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.339 W/kg

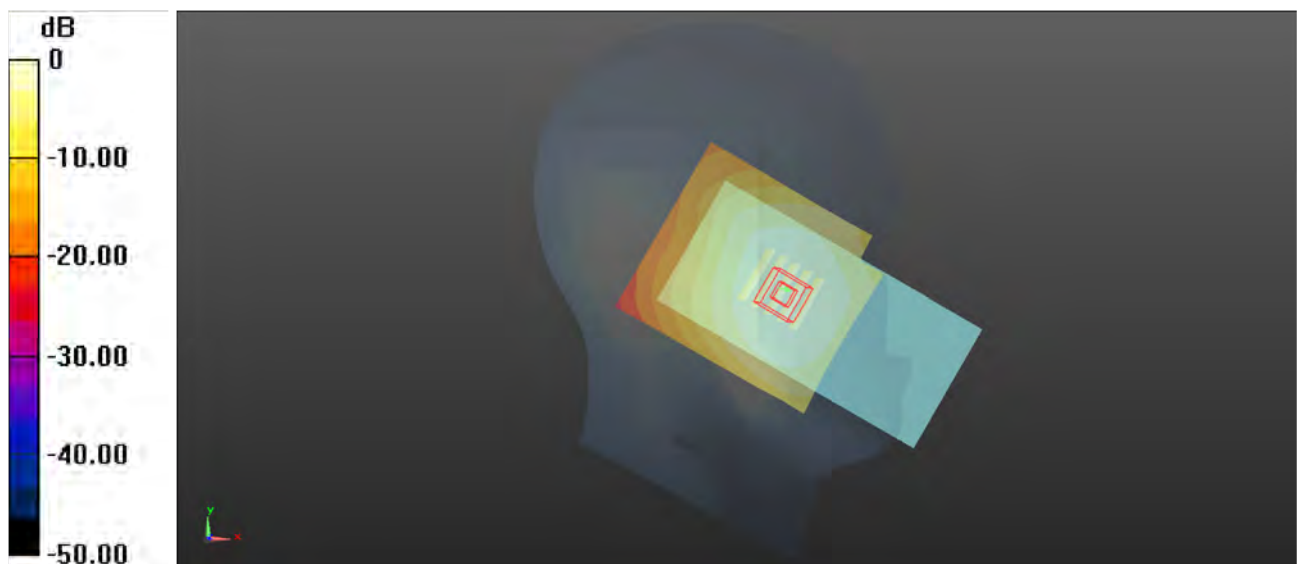
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.549 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.340 W/kg

P11 LTE 38_QPSK20M_Left Cheek_Ch37850_1RB_OS0_Ant4

Communication System: LTE_TDD; Frequency: 2580 MHz; Duty Cycle: 1:1.59

Medium: HSL2600_0925 Medium parameters used: $f = 2580$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2580 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.256 W/kg

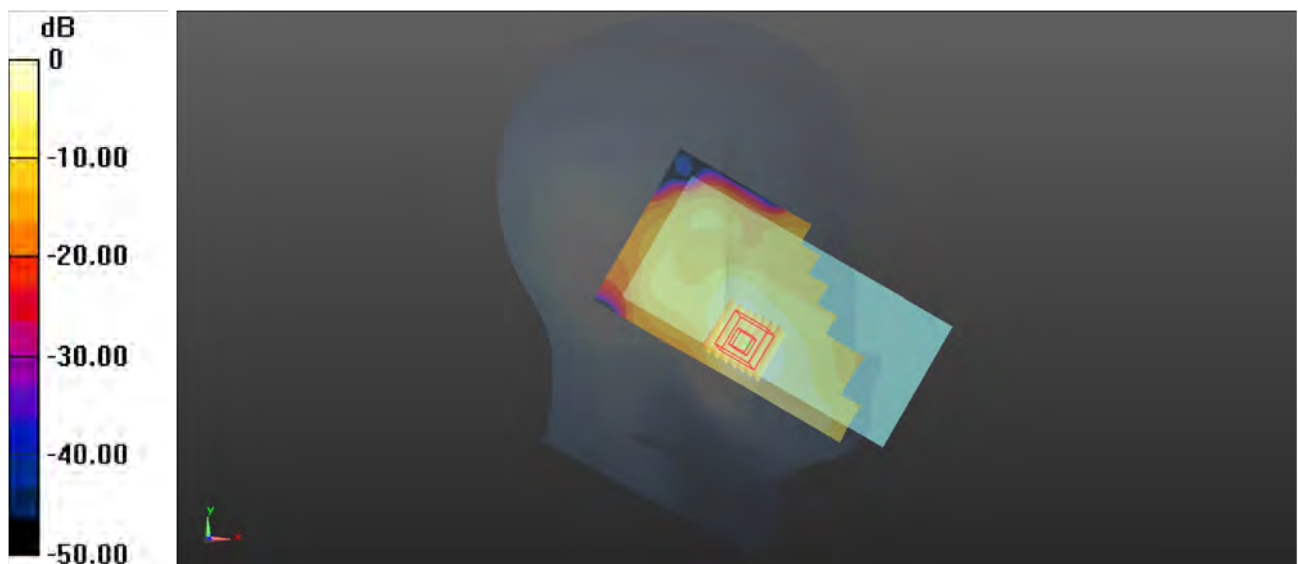
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.364 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.264 W/kg

P12 LTE 41 PC2_QPSK20M_Left Cheek_Ch40620_1RB_OS50_Ant4

Communication System: LTE_TDD; Frequency: 2593 MHz; Duty Cycle: 1:2.33

Medium: HSL2600_0924 Medium parameters used: $f = 2593$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 39.335$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2593 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.277 W/kg

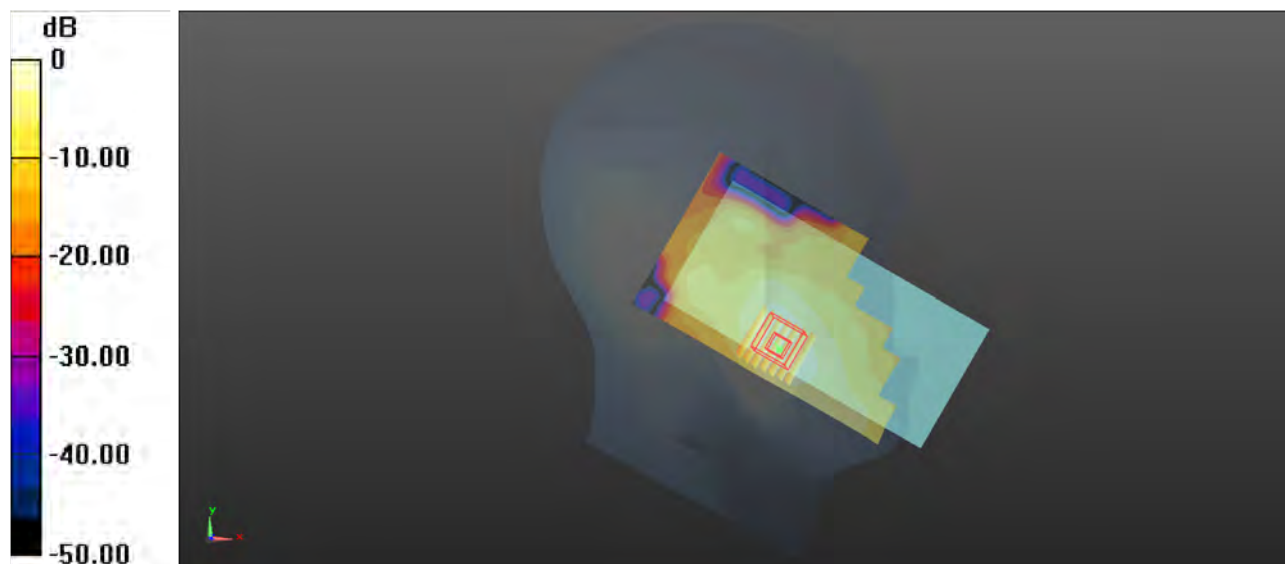
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.281 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.275 W/kg



0 dB = 0.275 W/kg

P13 LTE 42_QPSK20M_Left Cheek_Ch43490_1RB_OS50_Ant2

Communication System: LTE_TDD; Frequency: 3950 MHz; Duty Cycle: 1:1.59

Medium: HSL3900_0928 Medium parameters used: $f = 3950$ MHz; $\sigma = 3.264$ S/m; $\epsilon_r = 38.92$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.72, 6.72, 6.72) @ 3950 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.51 W/kg

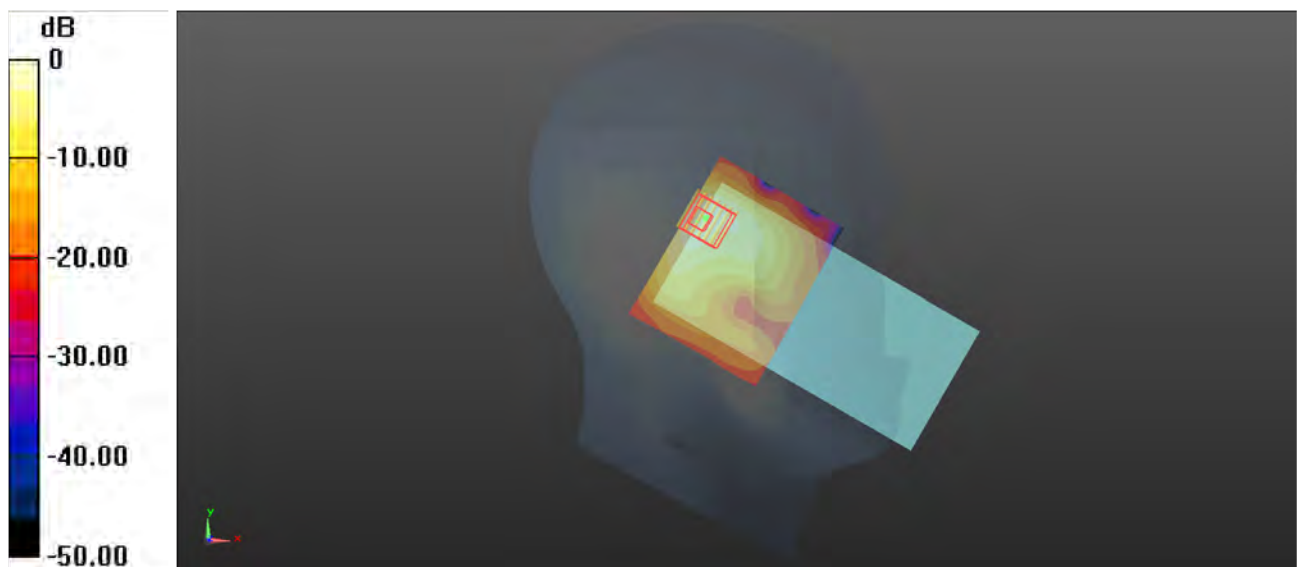
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 17.36 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.370 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg

P14 LTE 43_QPSK20M_Left Cheek_Ch44490_1RB_OS50_Ant2

Communication System: LTE_TDD; Frequency: 3690 MHz; Duty Cycle: 1:1.59

Medium: HSL3700_1004 Medium parameters used: $f = 3690$ MHz; $\sigma = 2.997$ S/m; $\epsilon_r = 39.302$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3690 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.48 W/kg

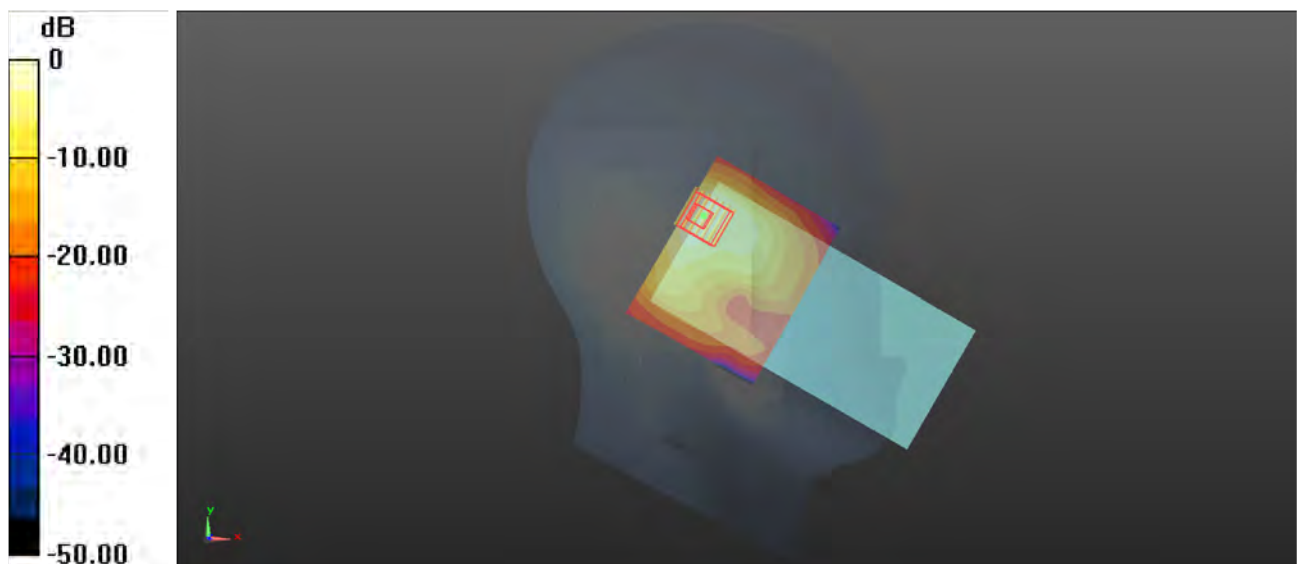
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 16.97 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg

P15 LTE 48_QPSK20M_Right Cheek_Ch56150_1RB_OS50_Ant6

Communication System: LTE_TDD; Frequency: 3641 MHz; Duty Cycle: 1:1.59

Medium: HSL3700_1004 Medium parameters used: $f = 3641$ MHz; $\sigma = 2.949$ S/m; $\epsilon_r = 39.376$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3641 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.756 W/kg

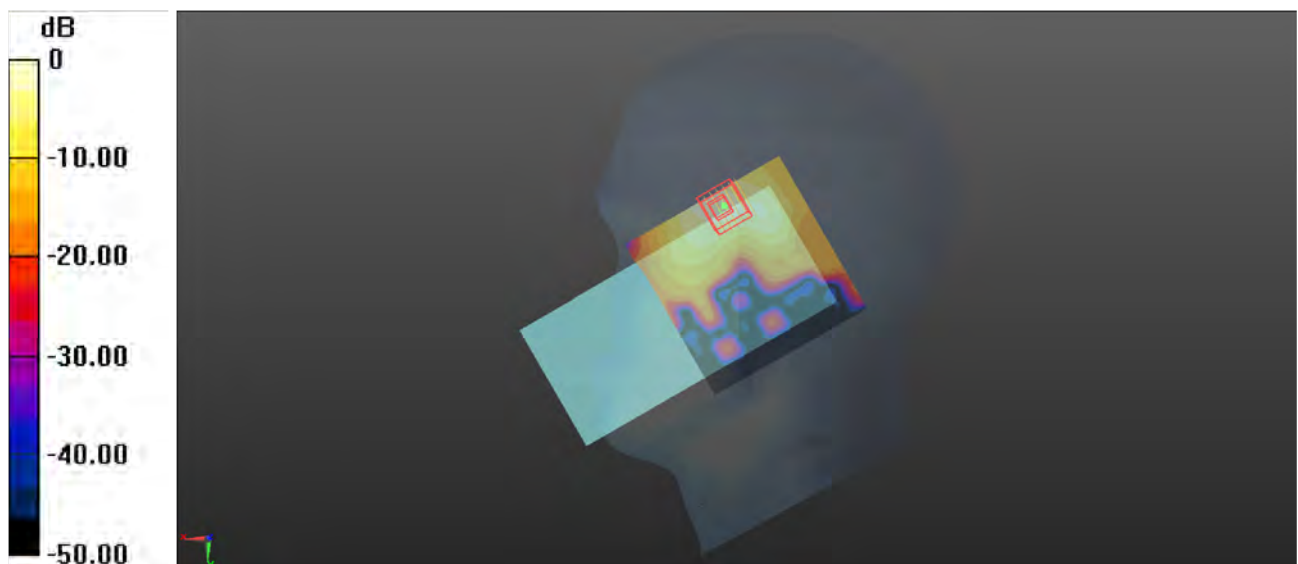
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 2.928 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.843 W/kg



0 dB = 0.843 W/kg

P16 LTE 66_QPSK20M_Left Cheek_Ch132572_1RB_OS50_Ant4

Communication System: LTE_FDD; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.429$ S/m; $\epsilon_r = 39.794$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1770 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.308 W/kg

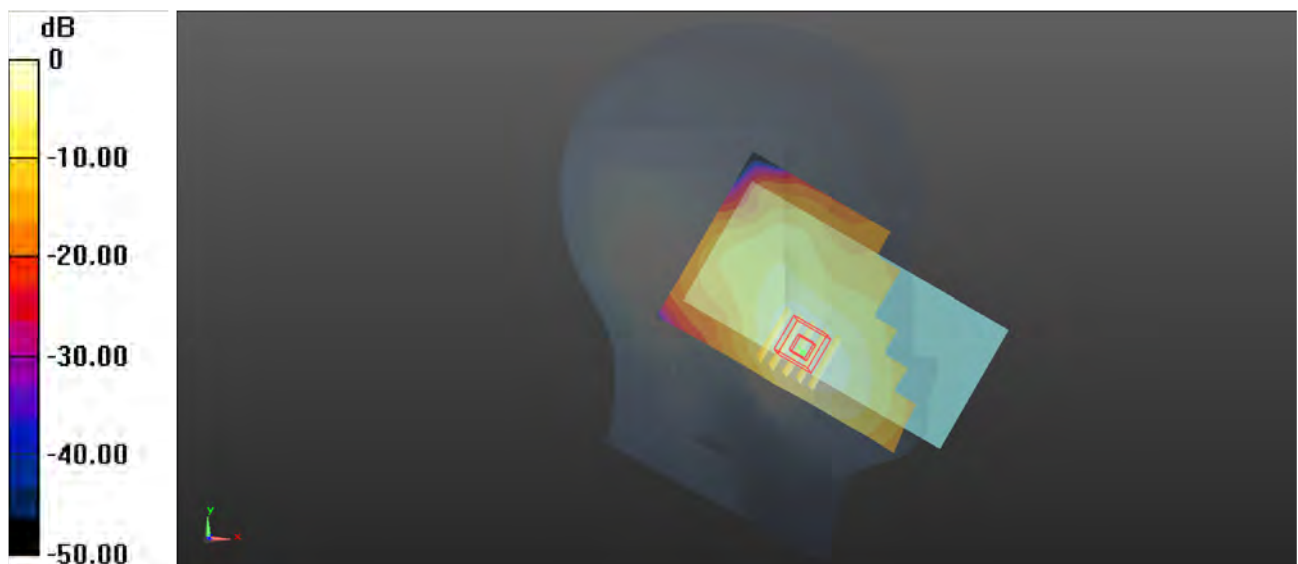
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.041 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg

P17 LTE 71_QPSK20M_Left Cheek_Ch133372_1RB_OS50_Ant0

Communication System: LTE_FDD; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 688$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 42.568$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 688 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.137 W/kg

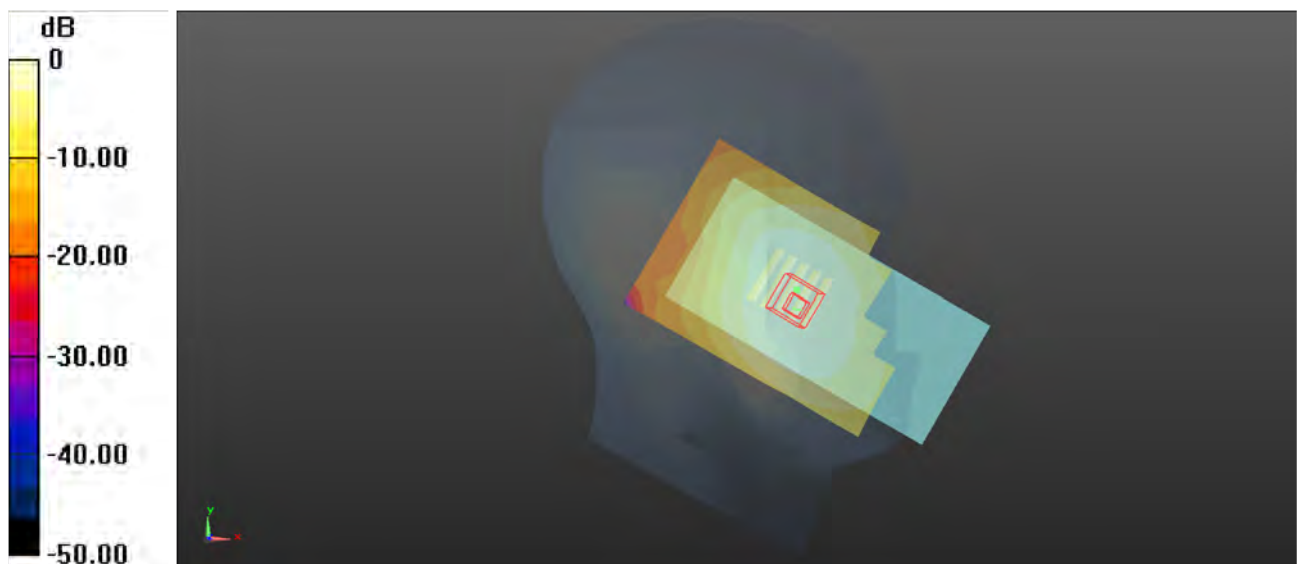
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.803 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg

P18 N5_QPSK20M SCS15KHz_Right Cheek_Ch167300_1RB_OS1_Ant0

Communication System: NR; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 41.989$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 836.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.417 W/kg

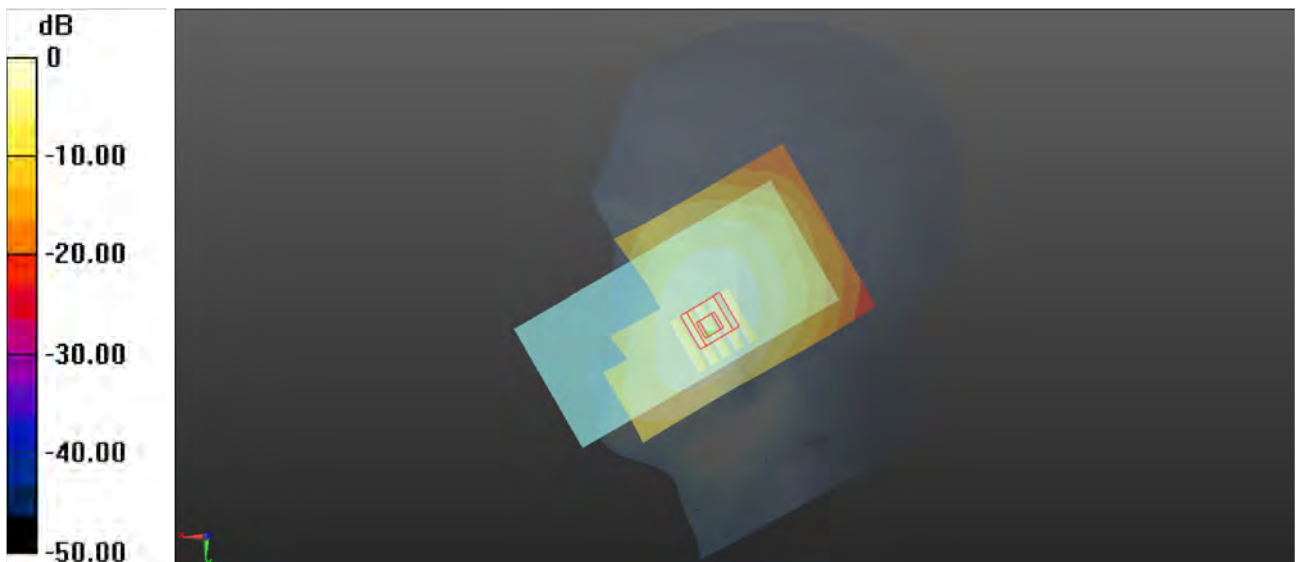
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.113 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.418 W/kg



0 dB = 0.418 W/kg

P19 N7_QPSK20M SCS15KHz_Right Cheek_Ch507000_50RB_OS28_An0

Communication System: NR; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: HSL2600_0927 Medium parameters used: $f = 2535$ MHz; $\sigma = 1.951$ S/m; $\epsilon_r = 39.468$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2535 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.273 W/kg

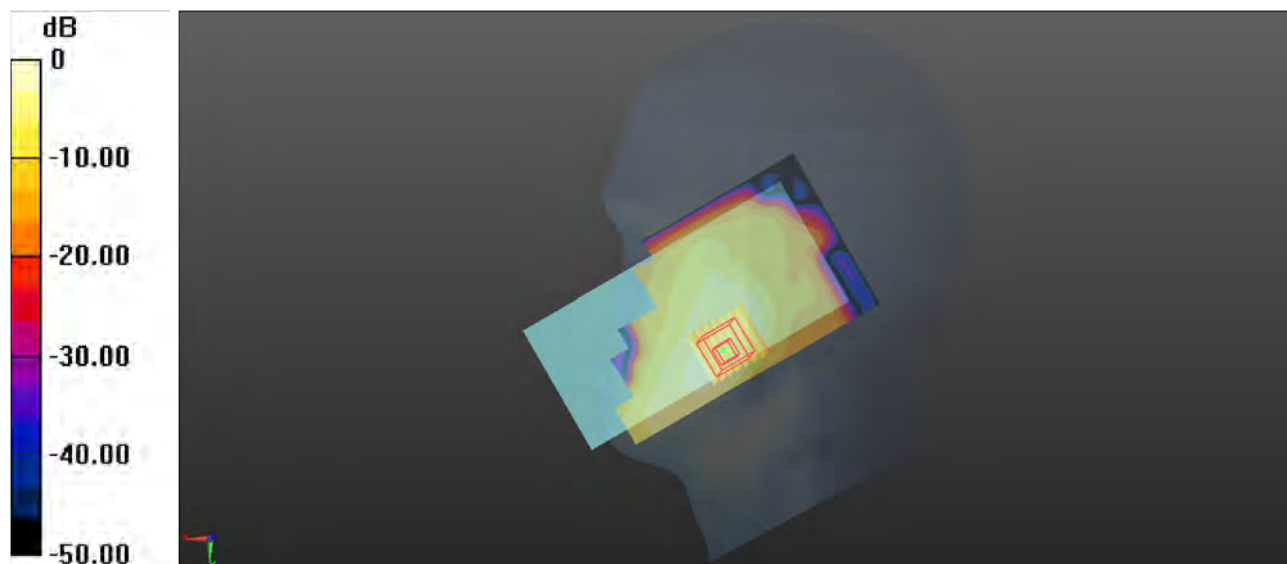
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.110 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.376 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.288 W/kg



0 dB = 0.288 W/kg

P20 N12_QPSK15M SCS15KHz_Right Cheek_Ch1413000_36RB_OS19_Ant0

Communication System: NR; Frequency: 706.5 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 706.5$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 42.498$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 706.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.283 W/kg

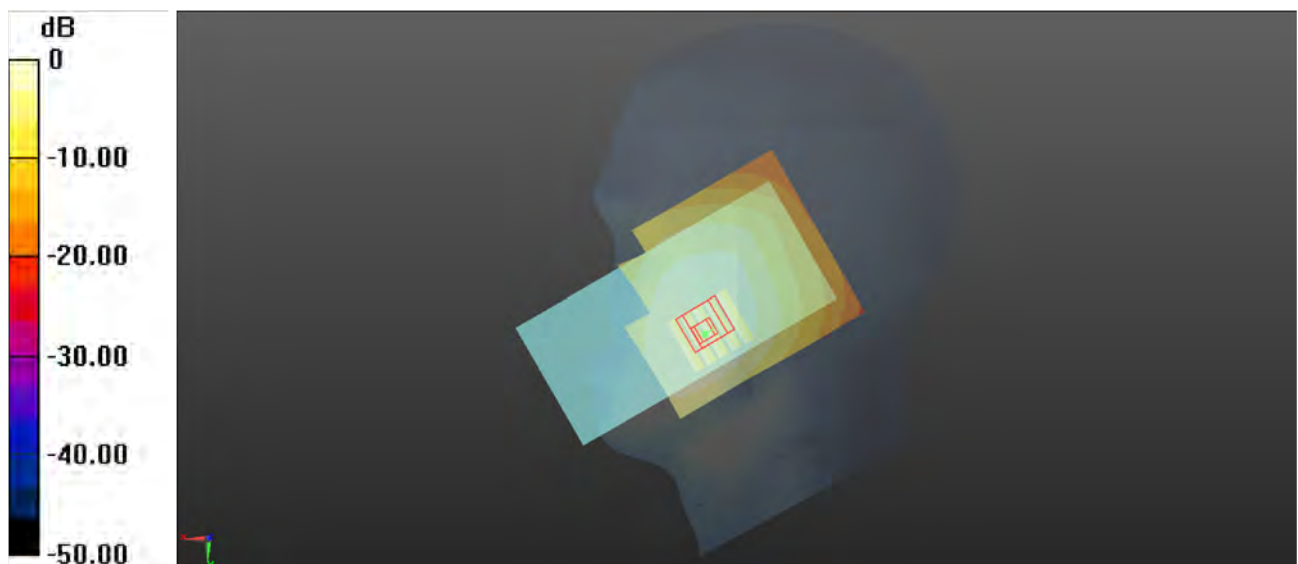
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference

Value = 4.105 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg

P21 N25_QPSK20M SCS15KHz_Right Cheek_Ch376500_50RB_OS28_Ant5

Communication System: NR; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.432$ S/m; $\epsilon_r = 39.601$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1882.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.721 W/kg

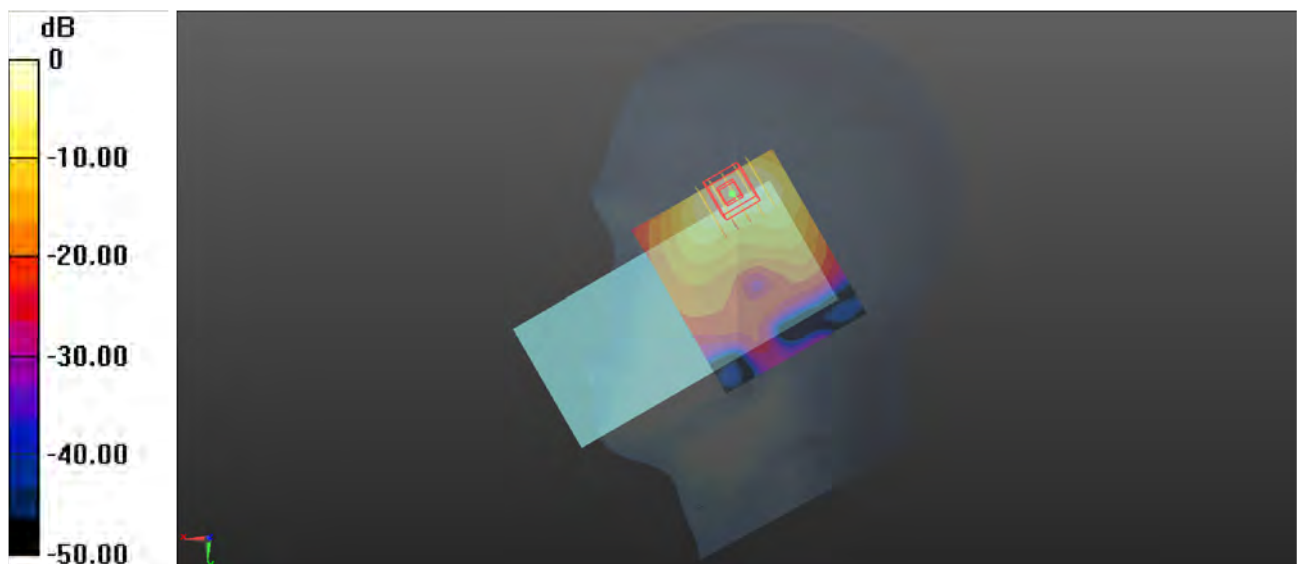
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.796 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.869 W/kg



0 dB = 0.869 W/kg

P22 N38_QPSK20M SCS30KHz_Right Tilted_Ch519000_50RB_OS0_Ant5

Communication System: NR; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium: HSL2600_0925 Medium parameters used: $f = 2595$ MHz; $\sigma = 2.002$ S/m; $\epsilon_r = 39.329$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2595 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x91x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.25 W/kg

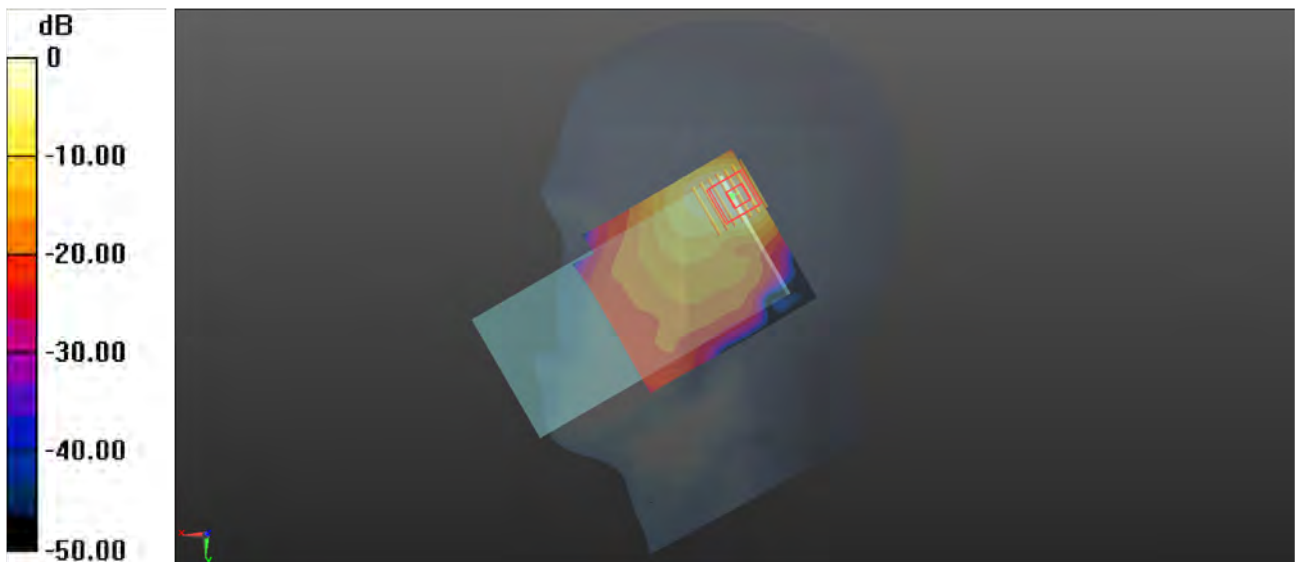
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.028 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 0.896 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg

P23 N41 PC3_QPSK100M SCS30KHz_Right Tilted_Ch528000_135RB_OS69_Ant5

Communication System: NR; Frequency: 2640 MHz; Duty Cycle: 1:1

Medium: HSL2600_0926 Medium parameters used: $f = 2640$ MHz; $\sigma = 1.966$ S/m; $\epsilon_r = 38.952$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2640 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x91x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.15 W/kg

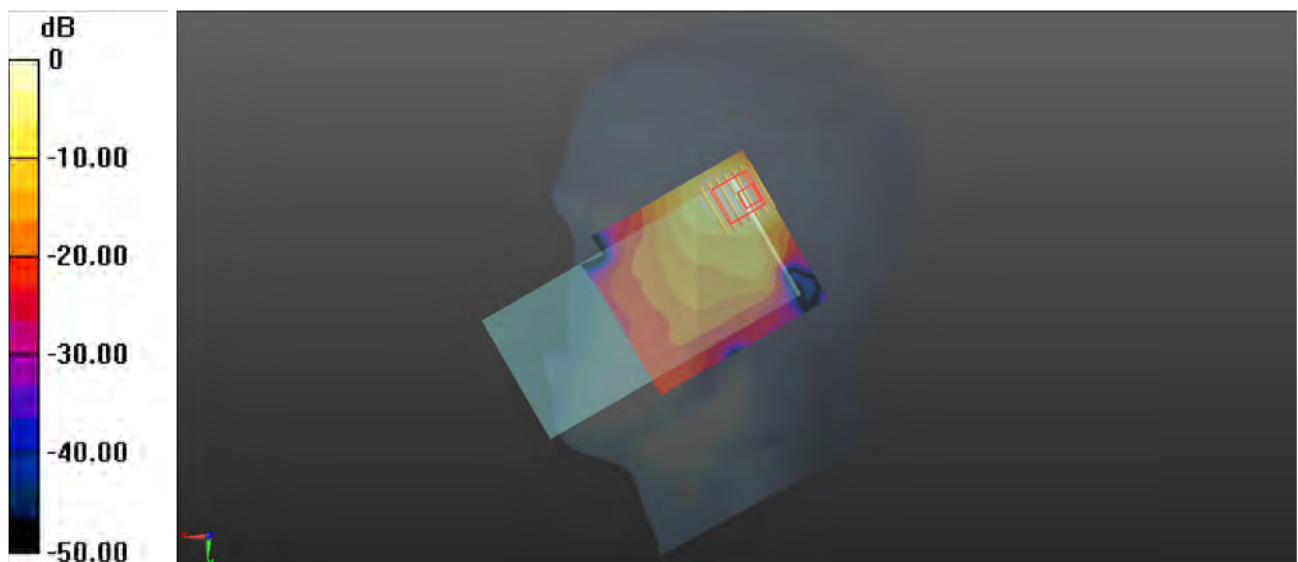
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.888 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.716 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg

P24 N48_QPSK40M SCS30KHz_Right Cheek_Ch641666_1RB_OS53_Ant6

Communication System: NR; Frequency: 3624.99 MHz; Duty Cycle: 1:1

Medium: HSL3700_1004 Medium parameters used: $f = 3624.99$ MHz; $\sigma = 2.933$ S/m; $\epsilon_r = 39.406$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3624.99 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.900 W/kg

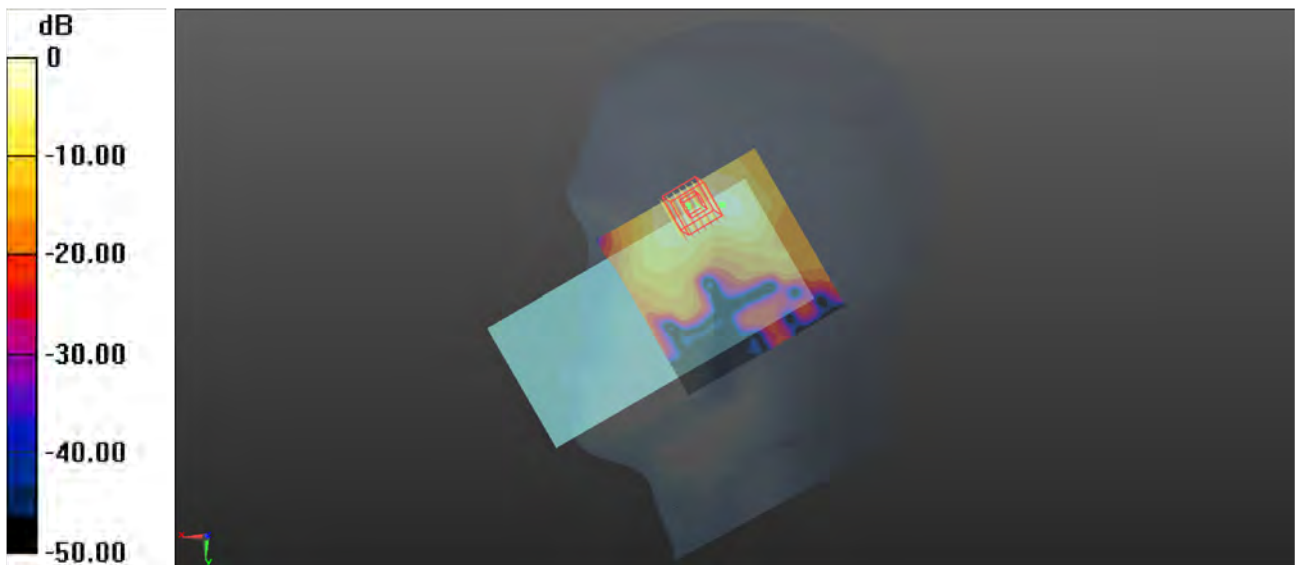
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.982 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.216 W/kg

Maximum value of SAR (measured) = 0.999 W/kg



0 dB = 0.999 W/kg

P25 N66_QPSK40M SCS15KHz_Right Cheek_Ch346000_108RB_OS54_Ant5

Communication System: NR; Frequency: 1730 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1730$ MHz; $\sigma = 1.404$ S/m; $\epsilon_r = 39.88$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1730 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.767 W/kg

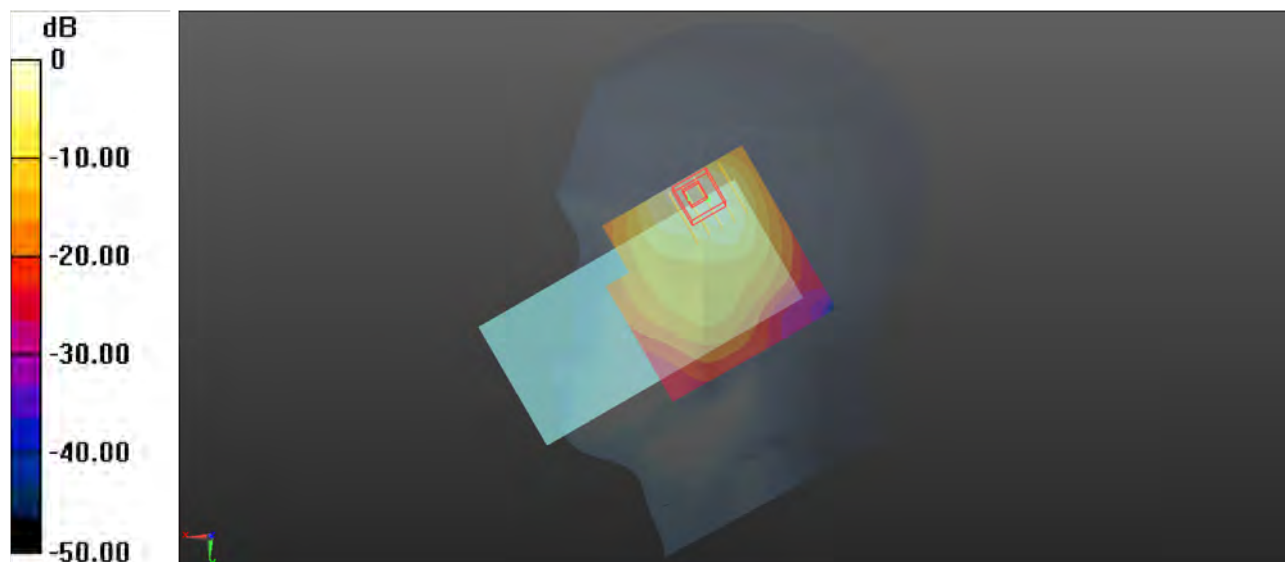
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.900 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg

P26 N71_QPSK20M SCS15KHz_Right Cheek_Ch134600_50RB_OS28_Ant0

Communication System: NR; Frequency: 673 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 673$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 42.614$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 673 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.227 W/kg

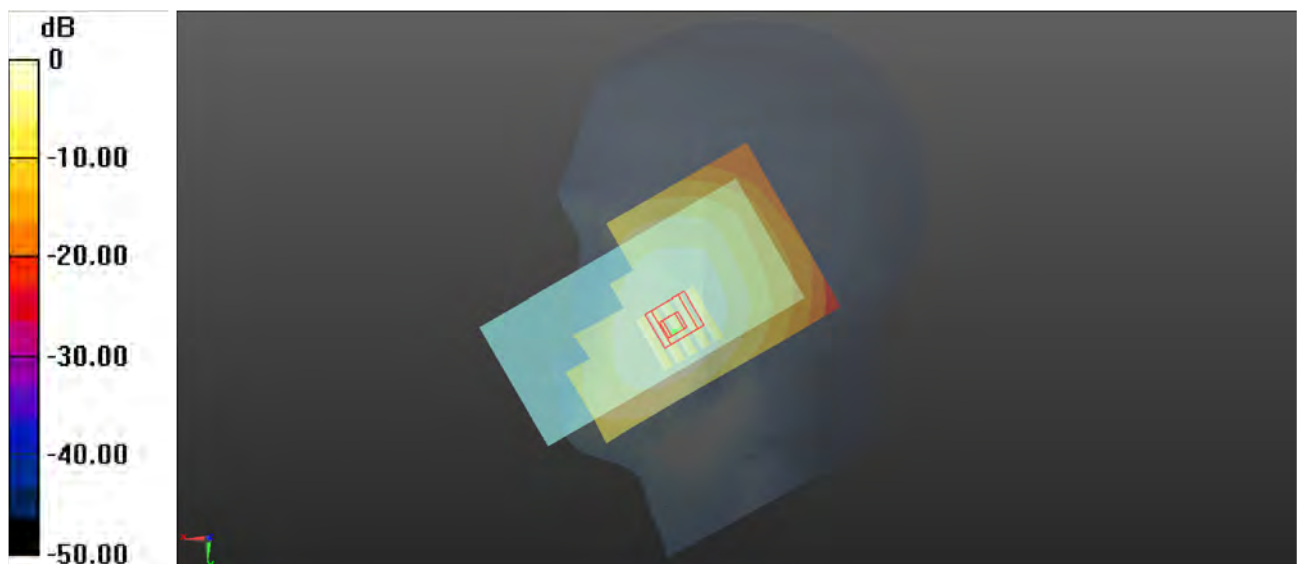
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.789 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.226 W/kg

P27 N77 PC3_QPSK100M SCS30KHz_Right Cheek_Ch633334_1RB_OS137_Ant6

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

Medium: HSL3500_0928 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.821$ S/m; $\epsilon_r = 39.687$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.01, 7.01, 7.01) @ 3500 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.982 W/kg

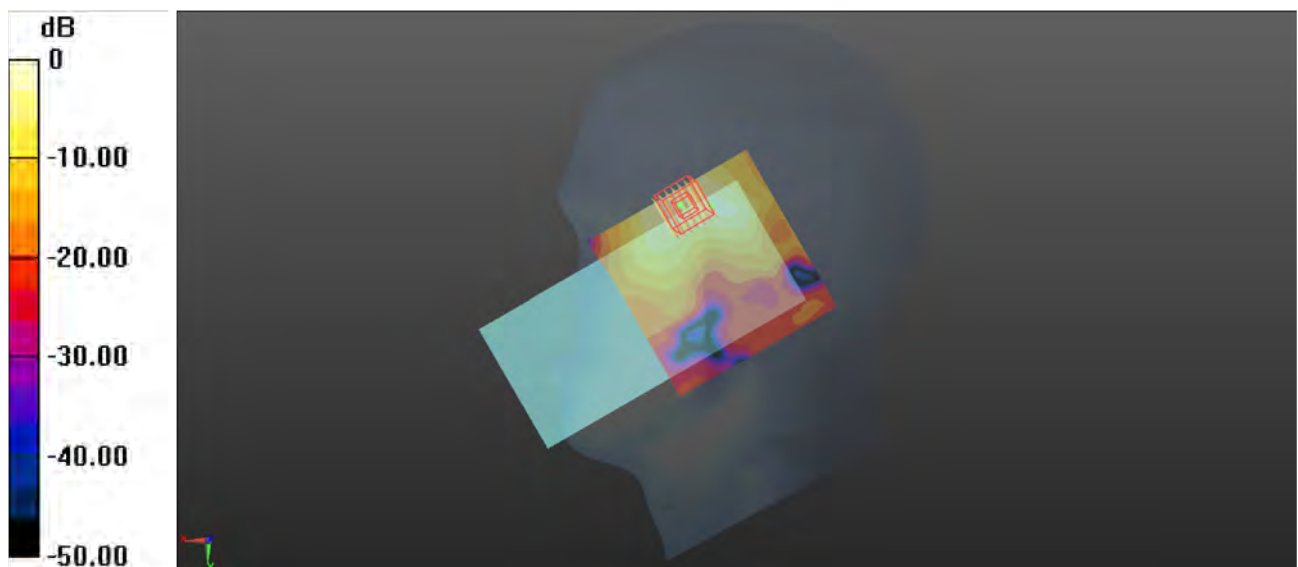
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.412 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg

P28 WLAN2.4G_802.11b_Left Cheek_Ch1_Ant7+8

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450_0923 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.788$ S/m; $\epsilon_r = 39.38$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.8, 7.8, 7.8) @ 2412 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1)**: Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.35 W/kg

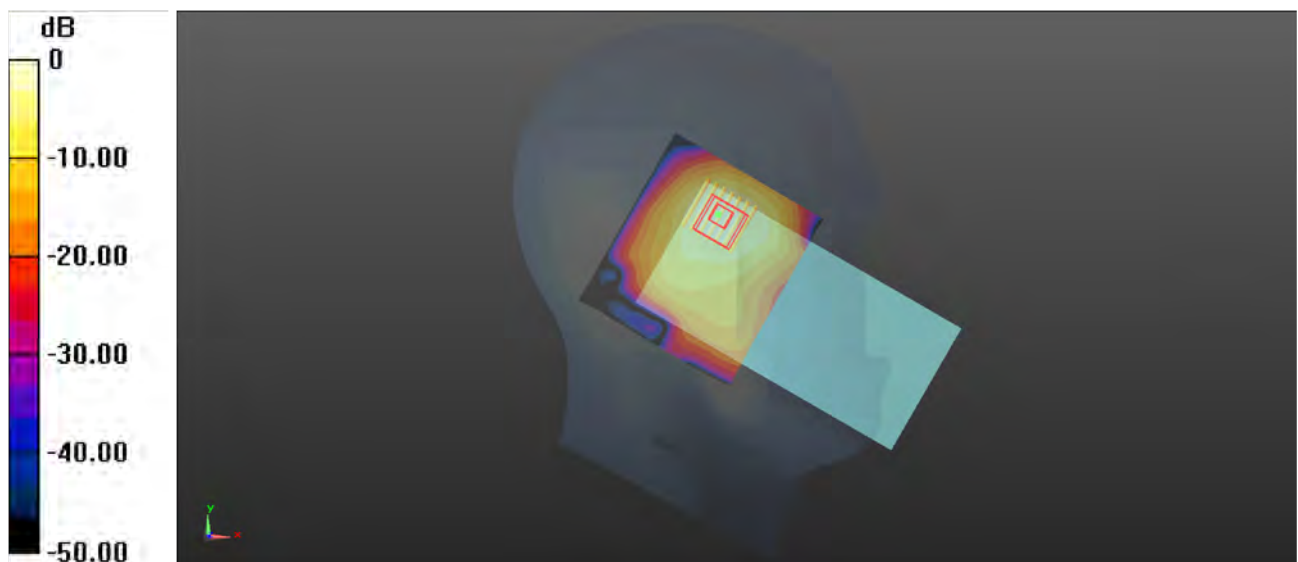
- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.908 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.953 W/kg; SAR(10 g) = 0.495 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg

P29 WLAN5G_802.11ac80_Left Cheek_Ch42_Ant7+8

Communication System: 802.11ac80; Frequency: 5210 MHz; Duty Cycle: 1:1.134

Medium: HSL5G_1006 Medium parameters used: $f = 5210$ MHz; $\sigma = 4.477$ S/m; $\epsilon_r = 35.203$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.6, 5.6, 5.6) @ 5210 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (111x101x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.78 W/kg

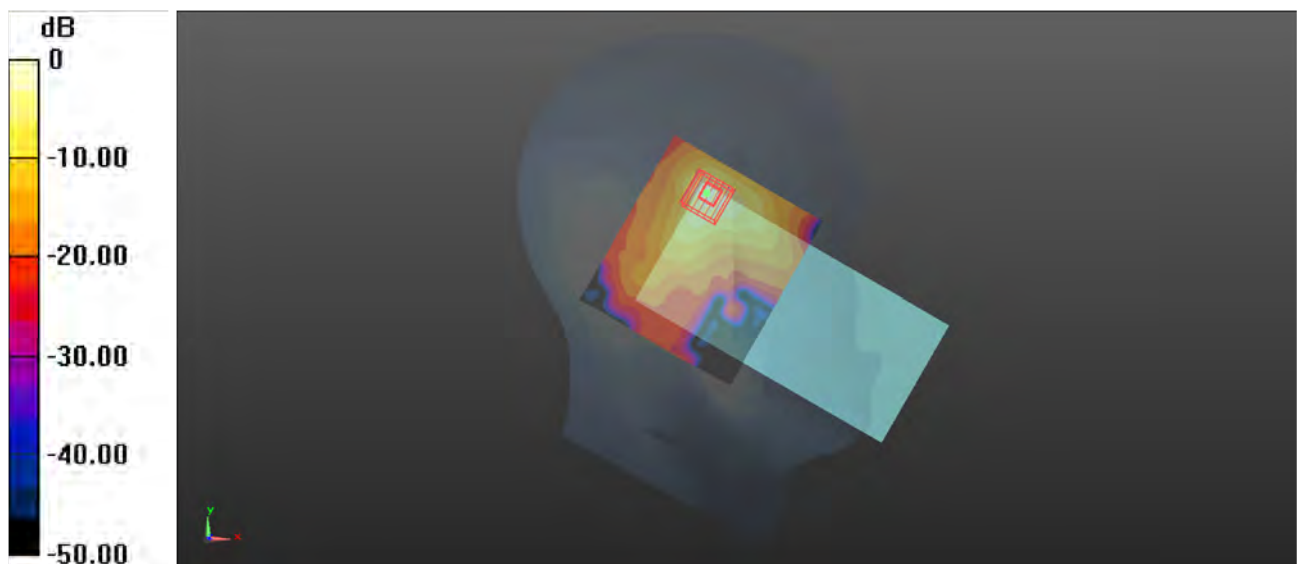
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.306 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 1.78 W/kg



0 dB = 1.78 W/kg

P30 WLAN5G_802.11ac80_Left Cheek_Ch58_Ant7+8

Communication System: 802.11ac80; Frequency: 5290 MHz; Duty Cycle: 1:1.134

Medium: HSL5G_1006 Medium parameters used: $f = 5290$ MHz; $\sigma = 4.59$ S/m; $\epsilon_r = 34.922$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.6, 5.6, 5.6) @ 5290 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (111x101x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.00 W/kg

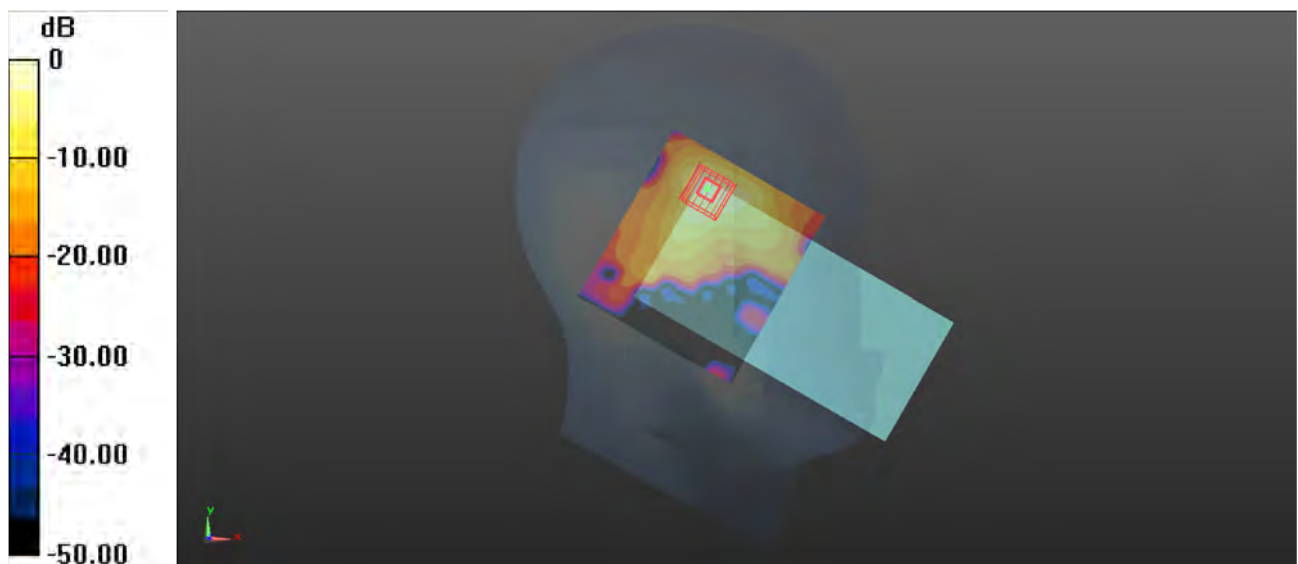
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.895 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.92 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 2.04 W/kg



0 dB = 2.04 W/kg

P31 WLAN5G_802.11ac80_Left Cheek_Ch155_Ant7

Communication System: 802.11ac80; Frequency: 5775 MHz; Duty Cycle: 1:1.134

Medium: HSL5G_1007 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.133$ S/m; $\epsilon_r = 34.204$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.16, 5.16, 5.16) @ 5775 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (111x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.23 W/kg

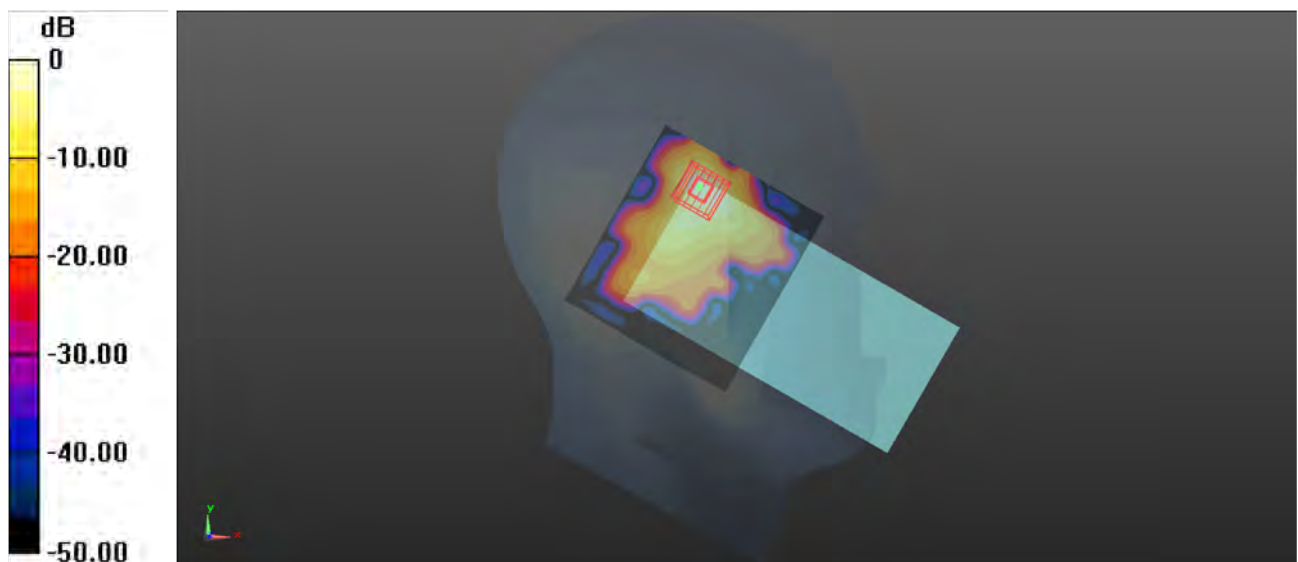
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.908 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg

P32 BT_GFSK_Left Cheek_Ch0_Ant7

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.299

Medium: HSL2450_0923 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 39.398$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.8, 7.8, 7.8) @ 2402 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1)**: Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.445 W/kg

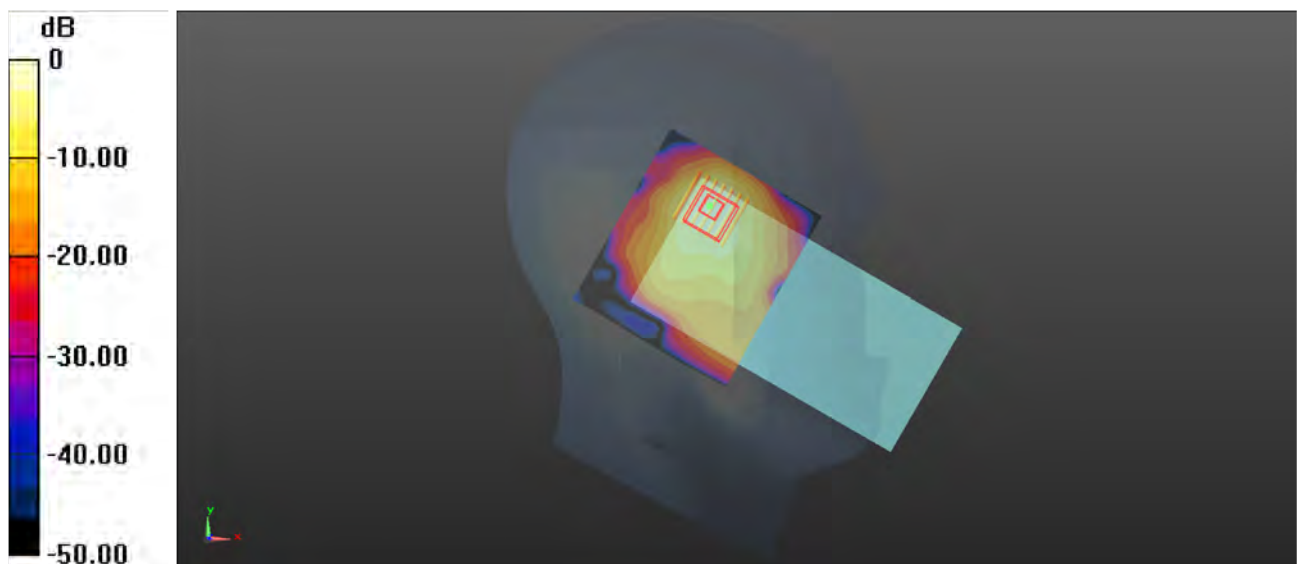
- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.946 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.355 W/kg



0 dB = 0.355 W/kg

P33 GSM850_GPRS 2Tx Slot_Rear Face_1cm_Ch251_Ant0

Communication System: GPRS 2Tx Slot; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: HSL835_0919 Medium parameters used: $f = 849$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 41.935$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 848.8 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.27 W/kg

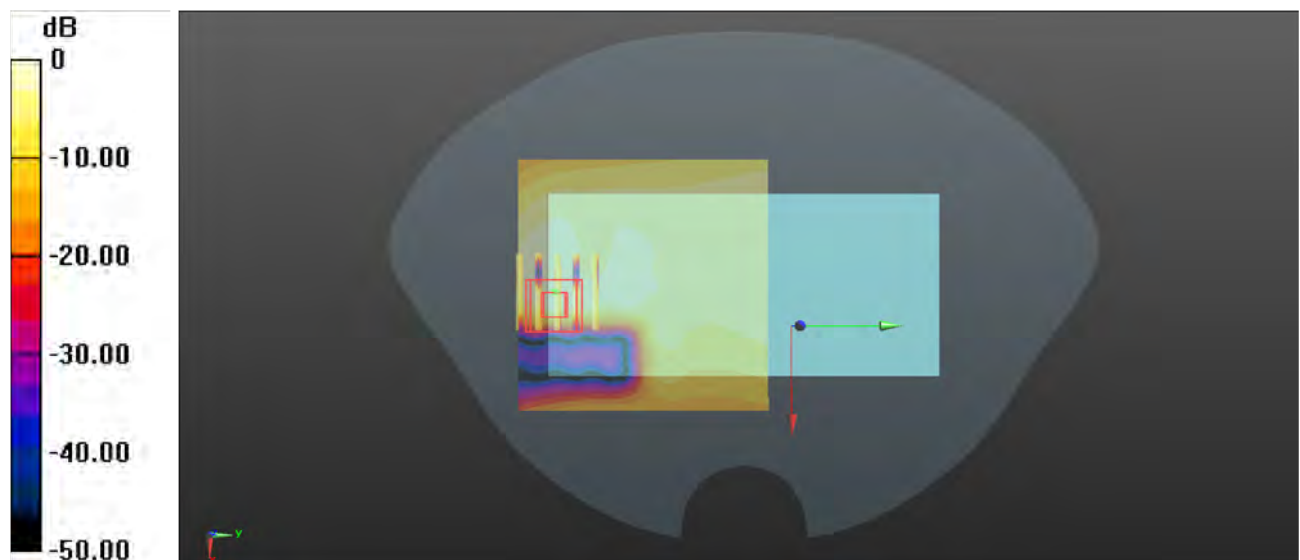
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.98 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg

P34 GSM1900_GPRS 2Tx Slot_Rear Face_1cm_Ch810_ANT0

Communication System: GPRS 2Tx Slot; Frequency: 1910 MHz; Duty Cycle: 1:4.15

Medium: HSL1900_0922 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.449$ S/m; $\epsilon_r = 39.586$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1910 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.03 W/kg

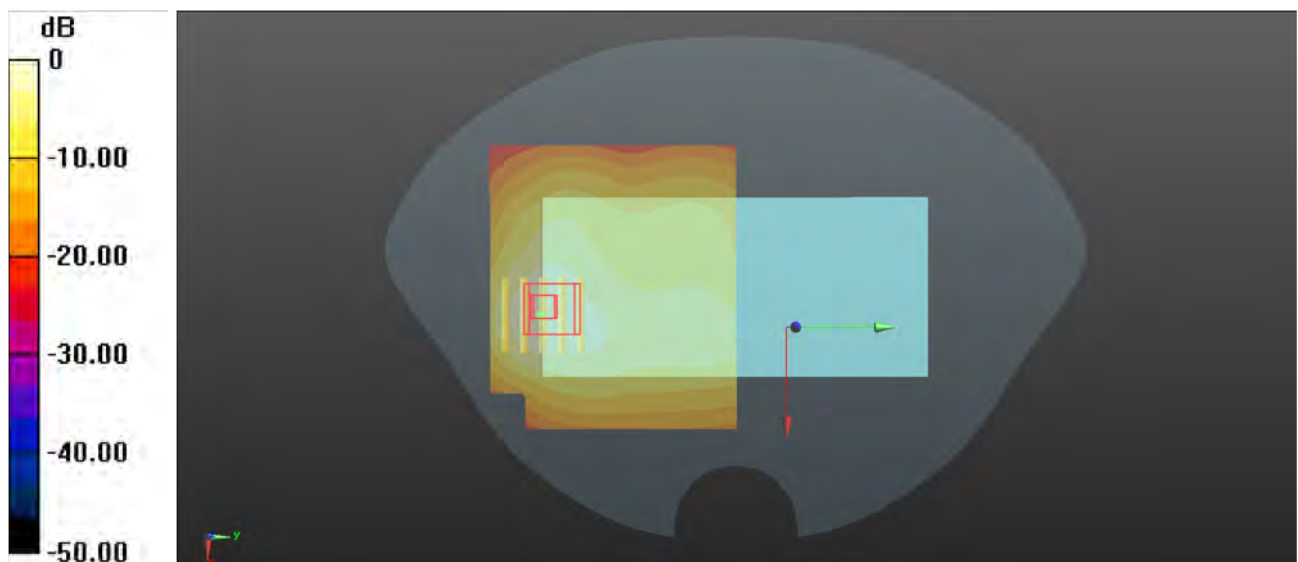
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.86 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.443 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

P35 WCDMA II_RMC12.2K_Rear Face_1cm_Ch9538_Ant4

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.448$ S/m; $\epsilon_r = 39.586$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1907.6 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.486 W/kg

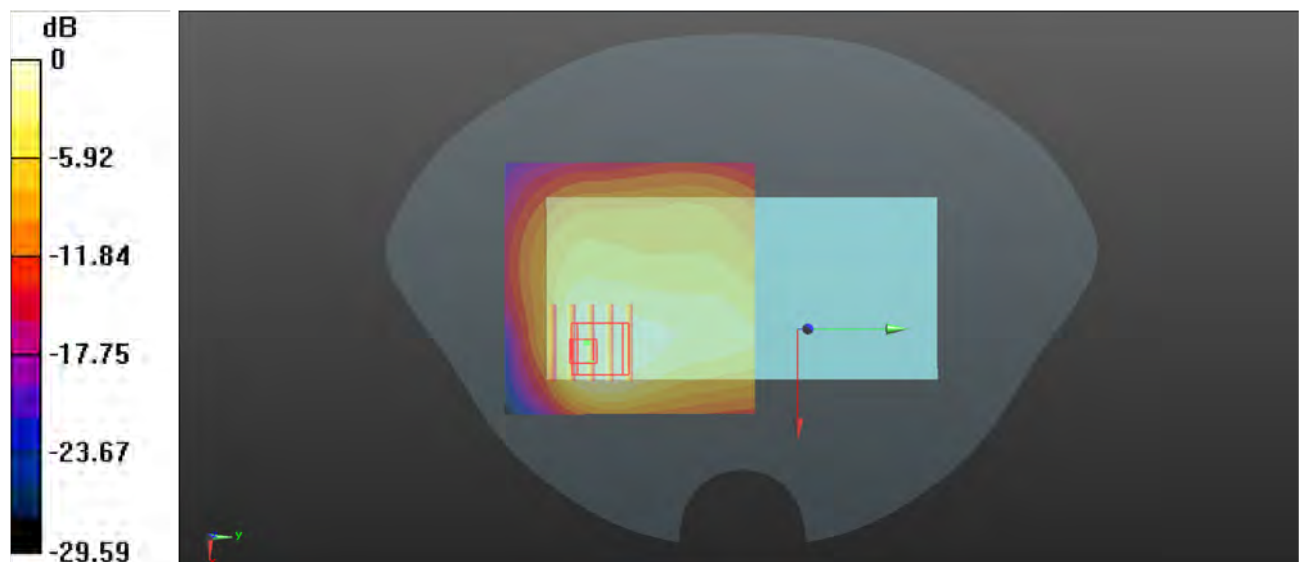
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.500 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.408 W/kg



0 dB = 0.408 W/kg

P36 WCDMA IV_RMC12.2K_Rear Face_1cm_Ch1513_Ant4

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.418$ S/m; $\epsilon_r = 39.834$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1752.6 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.821 W/kg

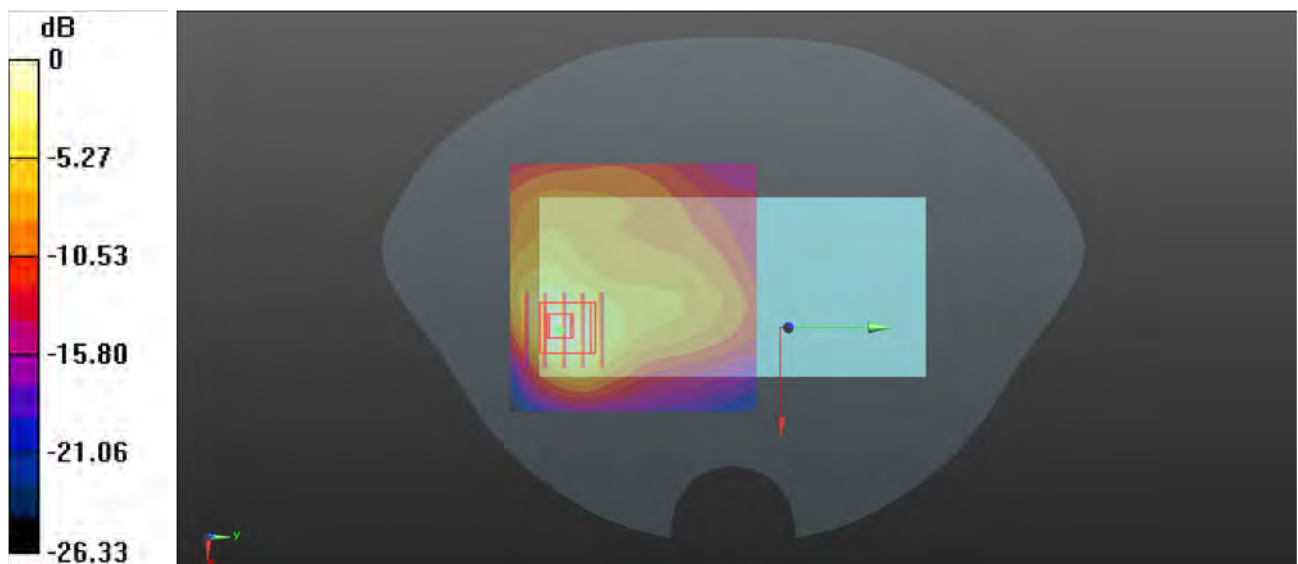
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.370 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.957 W/kg



0 dB = 0.957 W/kg

P37 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182_Ant0

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 41.989$; $\rho = 1000$ kg/m³

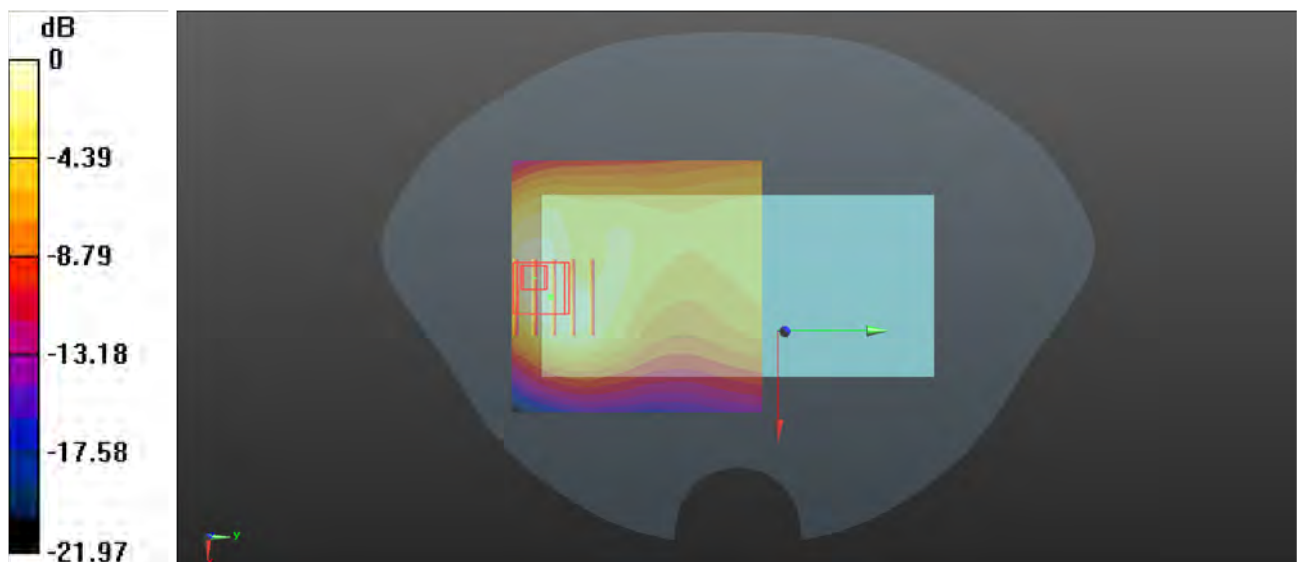
Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 836.4 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.693 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 16.32 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.824 W/kg
SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.277 W/kg
Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg

P38 LTE 7_QPSK20M_Rear Face_1cm_Ch20850_1RB_OS50_Ant0

Communication System: LTE_FDD; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600_0926 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.861$ S/m; $\epsilon_r = 39.148$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2510 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.24 W/kg

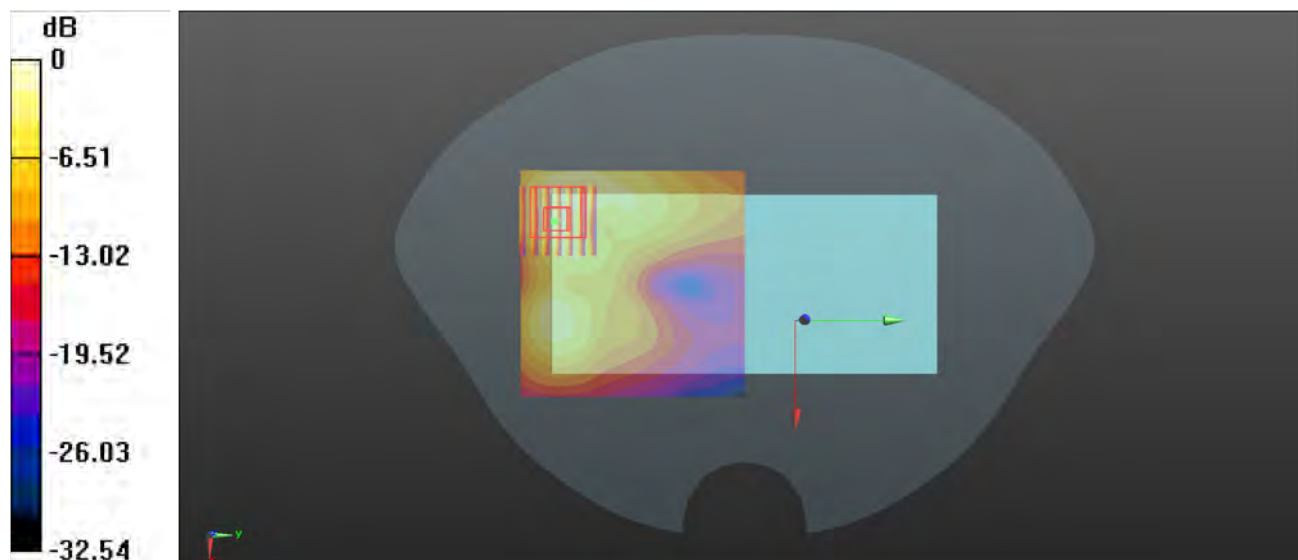
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.279 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.394 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

P39 LTE 12_QPSK10M_Front Face_1cm_Ch23130_1RB_OS24_Ant0

Communication System: LTE_FDD; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 711$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 42.477$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 711 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.329 W/kg

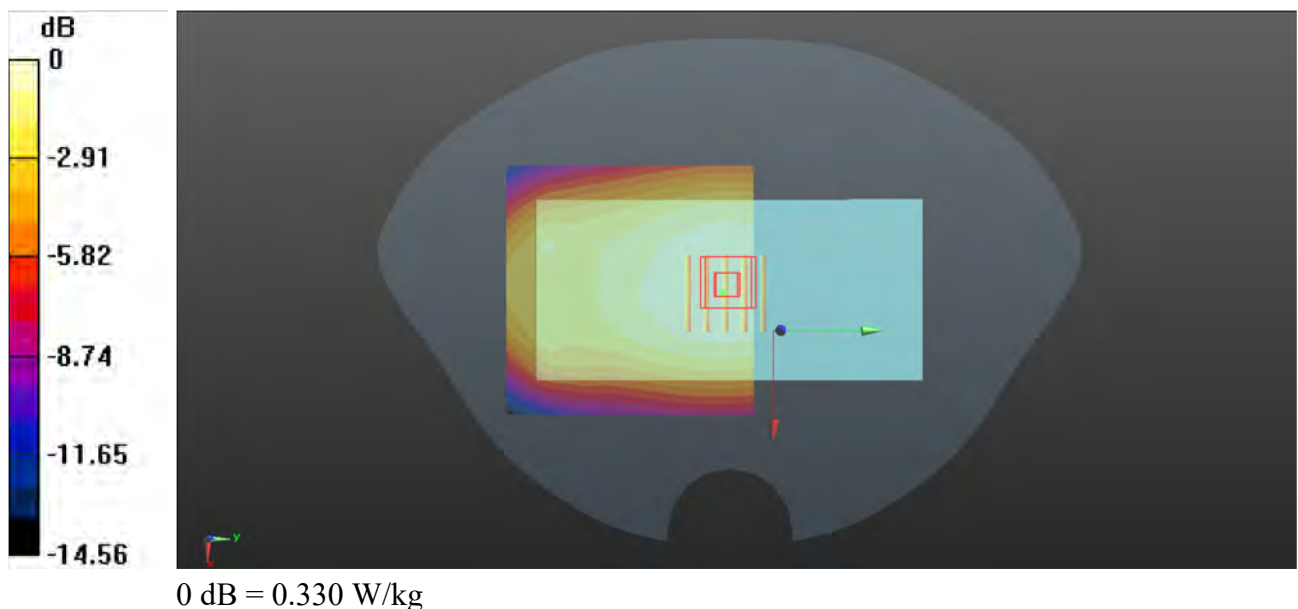
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.36 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.330 W/kg



P40 LTE 13_QPSK10M_Rear Face_1cm_Ch23230_1RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 782$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 42.271$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 782 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.269 W/kg

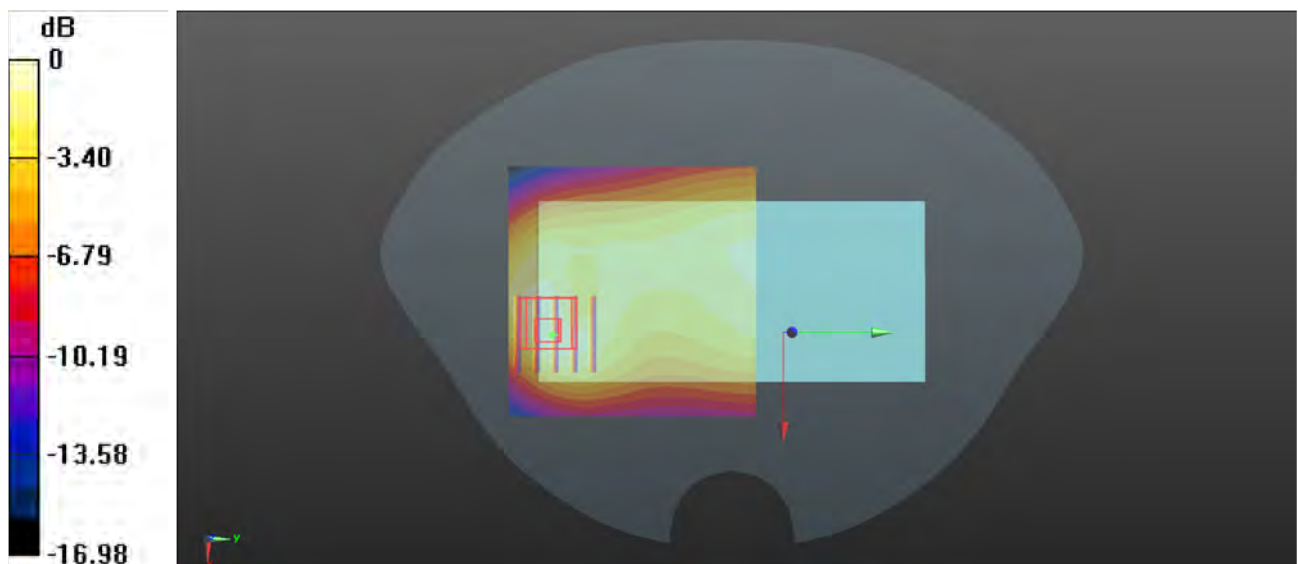
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.55 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg

P41 LTE 25_QPSK20M_Rear Face_1cm_Ch26590_1RB_OS50_ANT4

Communication System: LTE_FDD; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 39.588$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1905 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.580 W/kg

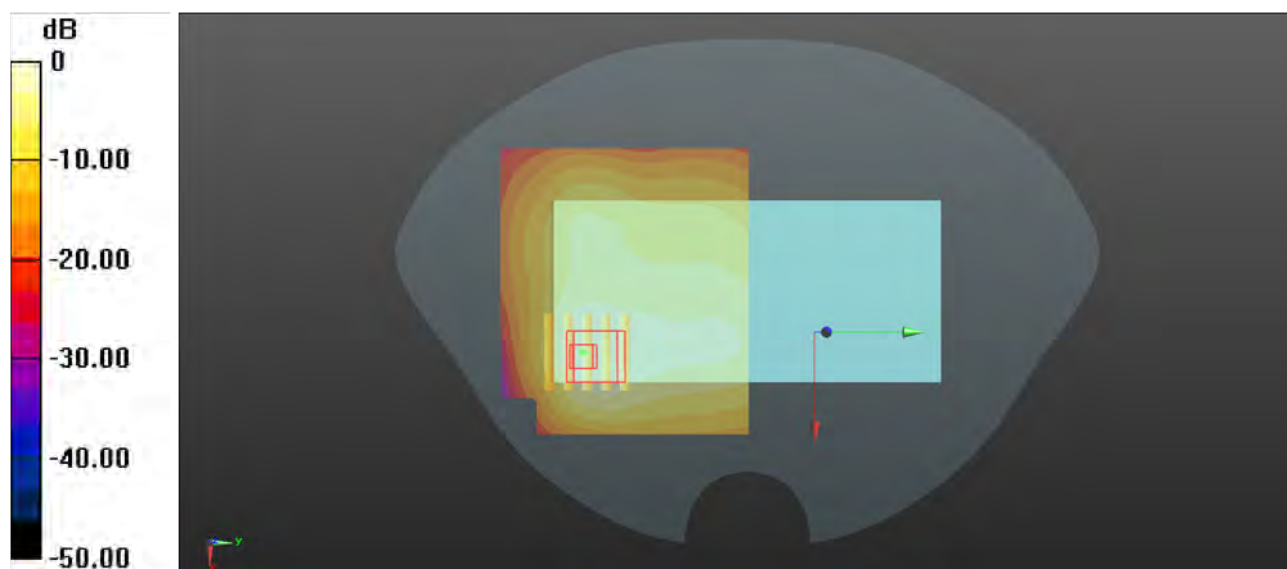
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.323 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.479 W/kg



0 dB = 0.479 W/kg

P42 LTE 26_QPSK15M_Rear Face_1cm_Ch26865_1RB_OS37_Ant0

Communication System: LTE_FDD; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 42.014$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 831.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.769 W/kg

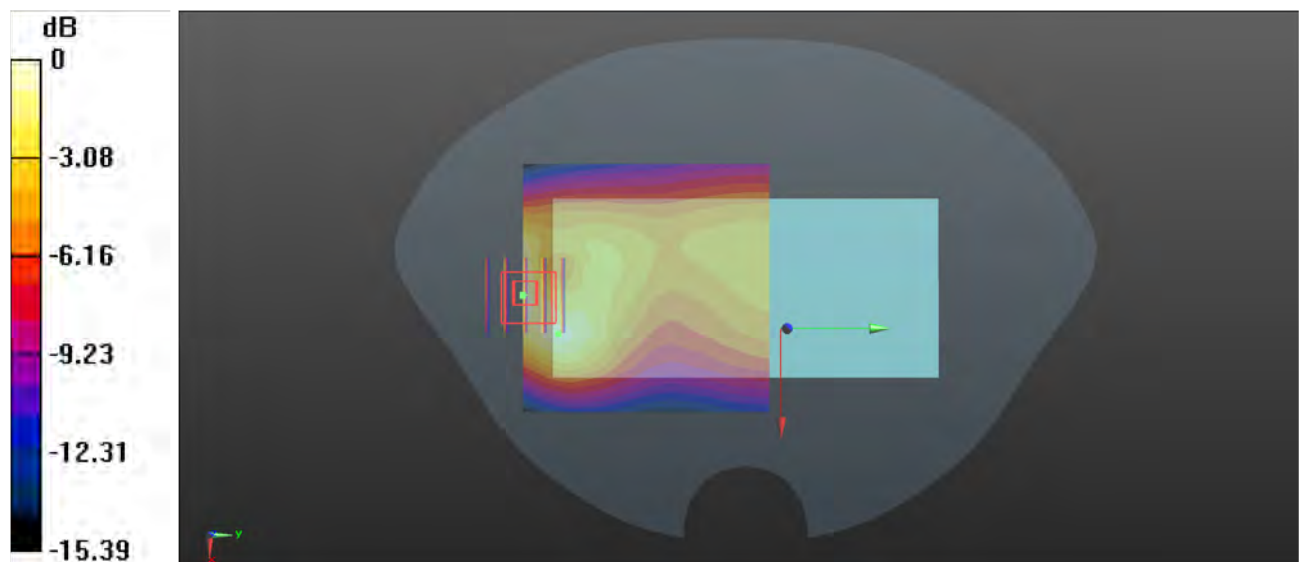
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.50 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.977 W/kg

SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.771 W/kg



0 dB = 0.771 W/kg

P43 LTE 38_QPSK20M_Rear Face_1cm_Ch37850_1RB_OS0_Ant4

Communication System: LTE_TDD; Frequency: 2580 MHz; Duty Cycle: 1:1.59

Medium: HSL2600_0925 Medium parameters used: $f = 2580$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2580 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

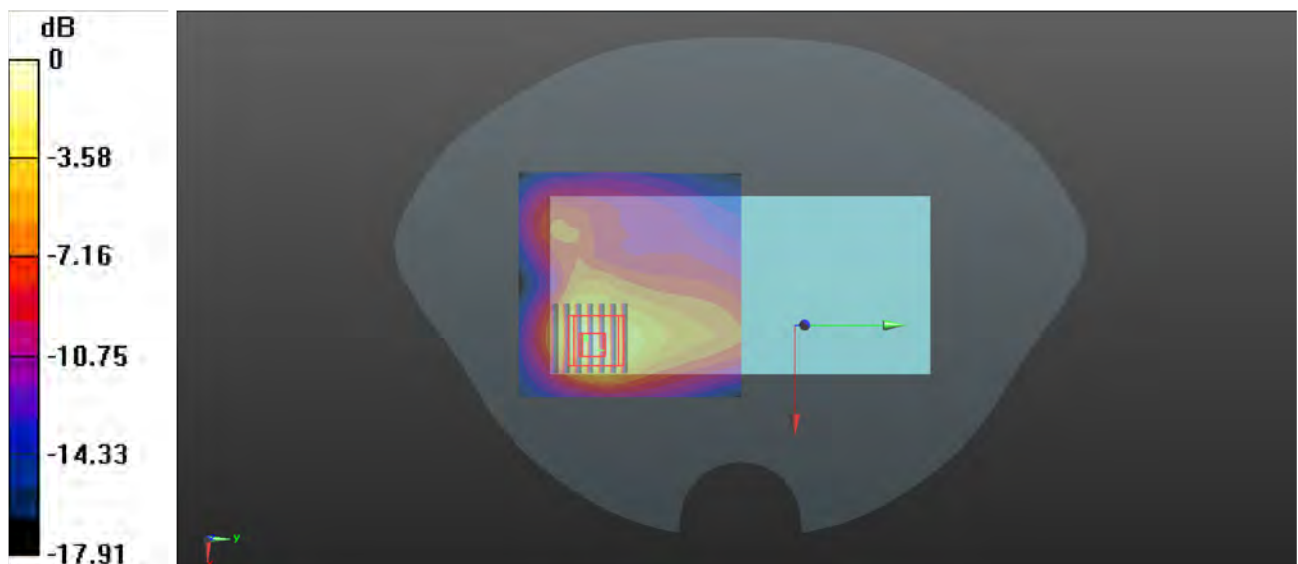
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.786 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



P44 LTE 41 PC2_QPSK20M_Rear Face_1cm_Ch40620_50RB_OS0_ANT4

Communication System: LTE_TDD; Frequency: 2593 MHz; Duty Cycle: 1:2.33

Medium: HSL2600_0924 Medium parameters used: $f = 2593$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 39.335$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2593 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.556 W/kg

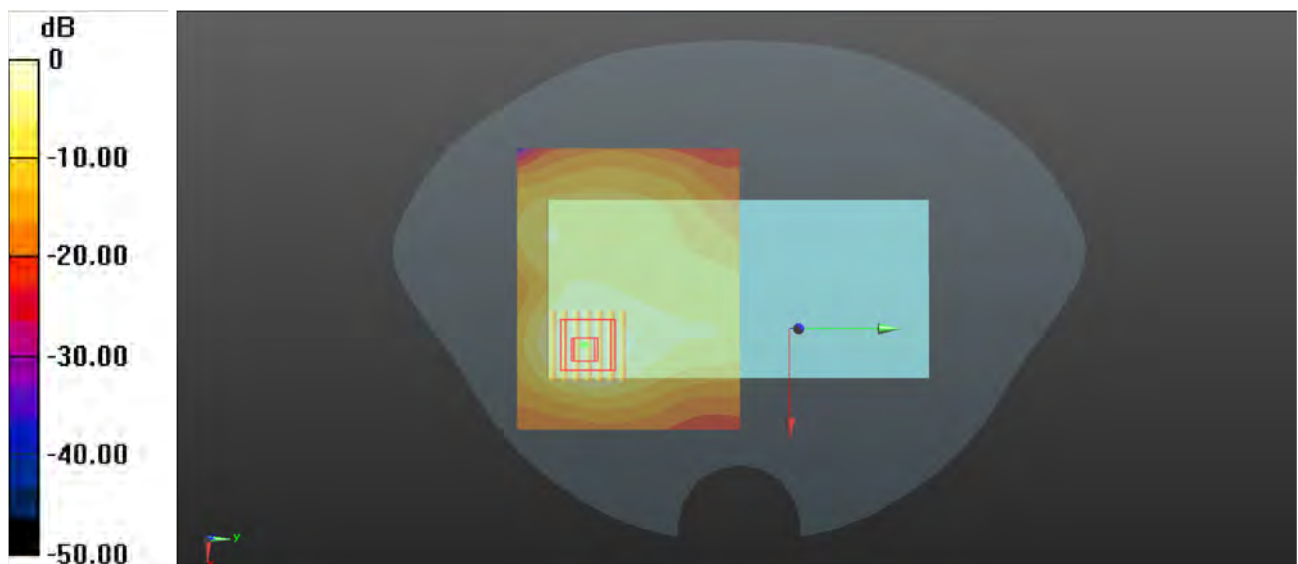
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.239 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.913 W/kg

SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.531 W/kg



0 dB = 0.531 W/kg

P45 LTE 42_QPSK20M_Front Face_1cm_Ch43490_1RB_OS50_Ant2

Communication System: LTE_TDD; Frequency: 3950 MHz; Duty Cycle: 1:1.59

Medium: HSL3900_0928 Medium parameters used: $f = 3950$ MHz; $\sigma = 3.264$ S/m; $\epsilon_r = 38.92$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.72, 6.72, 6.72) @ 3950 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.544 W/kg

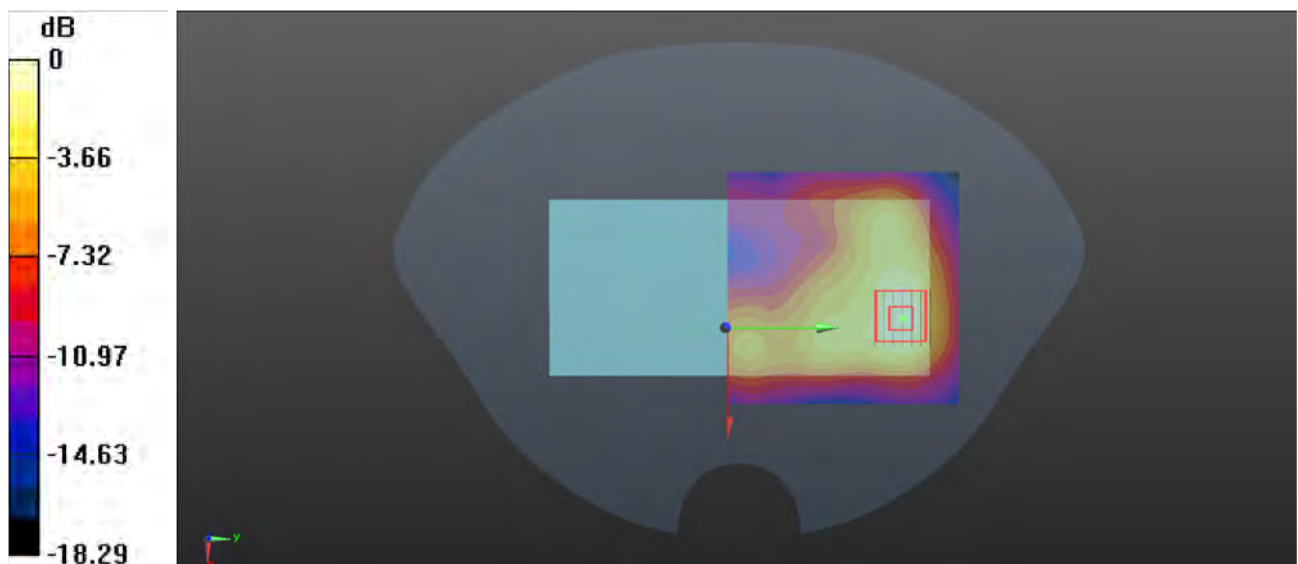
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.264 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg

P46 LTE 43_QPSK20M_Front Face_1cm_Ch44090_1RB_OS50_Ant2

Communication System: LTE_TDD; Frequency: 3650 MHz; Duty Cycle: 1:1.59

Medium: HSL3700_1004 Medium parameters used: $f = 3650$ MHz; $\sigma = 2.959$ S/m; $\epsilon_r = 39.36$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3650 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.505 W/kg

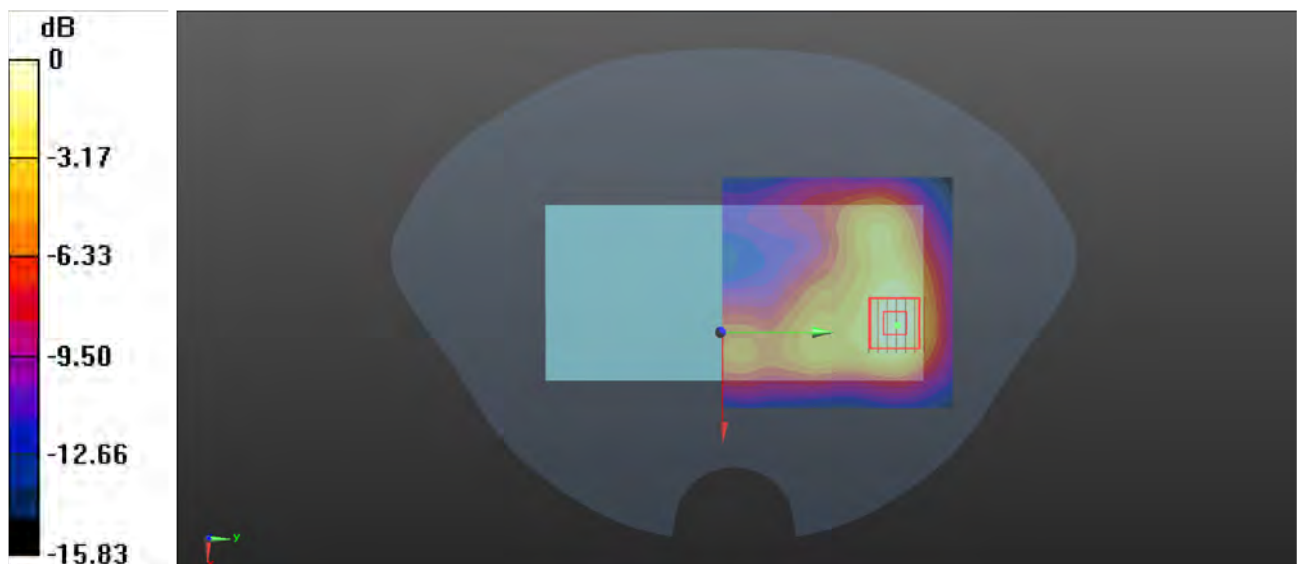
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.297 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.743 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg

P47 LTE 48_QPSK20M_Rear Face_1cm_Ch56150_1RB_OS50_Ant6

Communication System: LTE_TDD; Frequency: 3641 MHz; Duty Cycle: 1:1.59

Medium: HSL3700_1004 Medium parameters used: $f = 3641$ MHz; $\sigma = 2.949$ S/m; $\epsilon_r = 39.376$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3641 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.920 W/kg

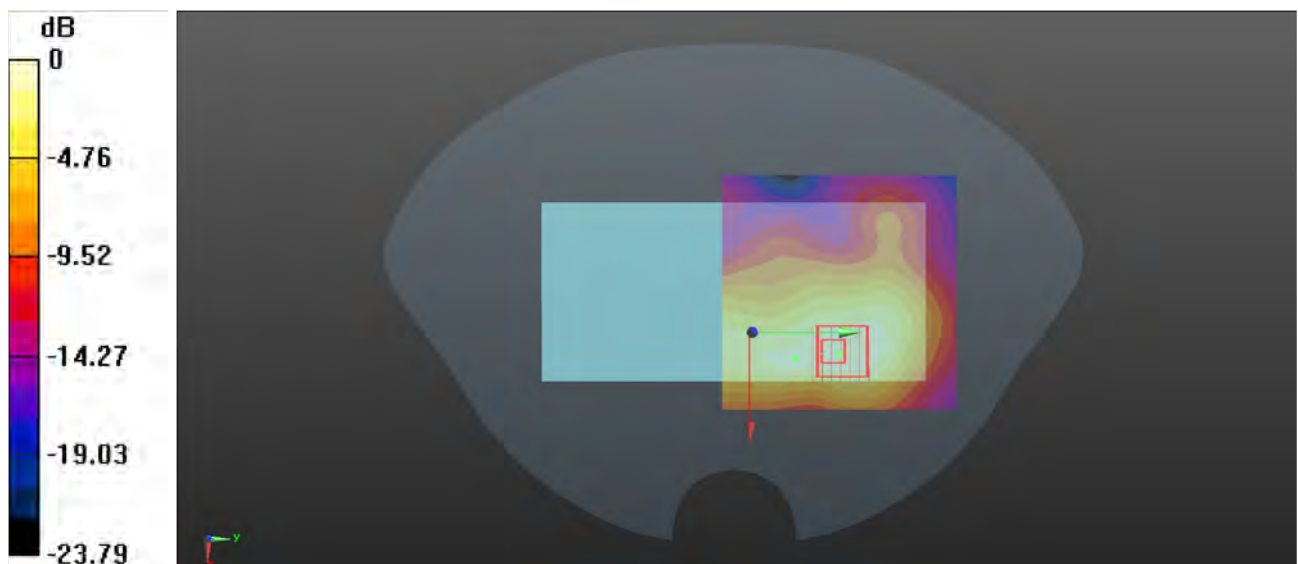
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 8.436 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.275 W/kg

Maximum value of SAR (measured) = 0.914 W/kg



0 dB = 0.914 W/kg

P48 LTE 66_QPSK20M_Rear Face_1cm_Ch132572_1RB_OS50_Ant4

Communication System: LTE_FDD; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.429$ S/m; $\epsilon_r = 39.794$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1770 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.884 W/kg

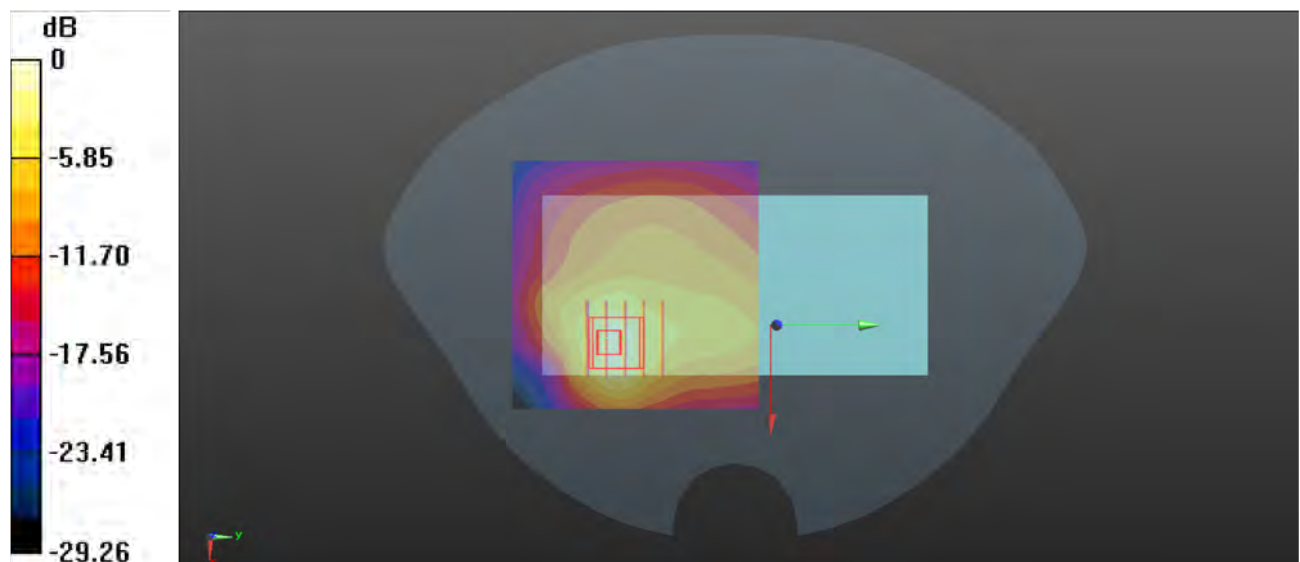
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.936 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg

P49 LTE 71_QPSK20M_Rear Face_1cm_Ch133372_1RB_OS50_Ant0

Communication System: LTE_FDD; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 688$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 42.568$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 688 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.236 W/kg

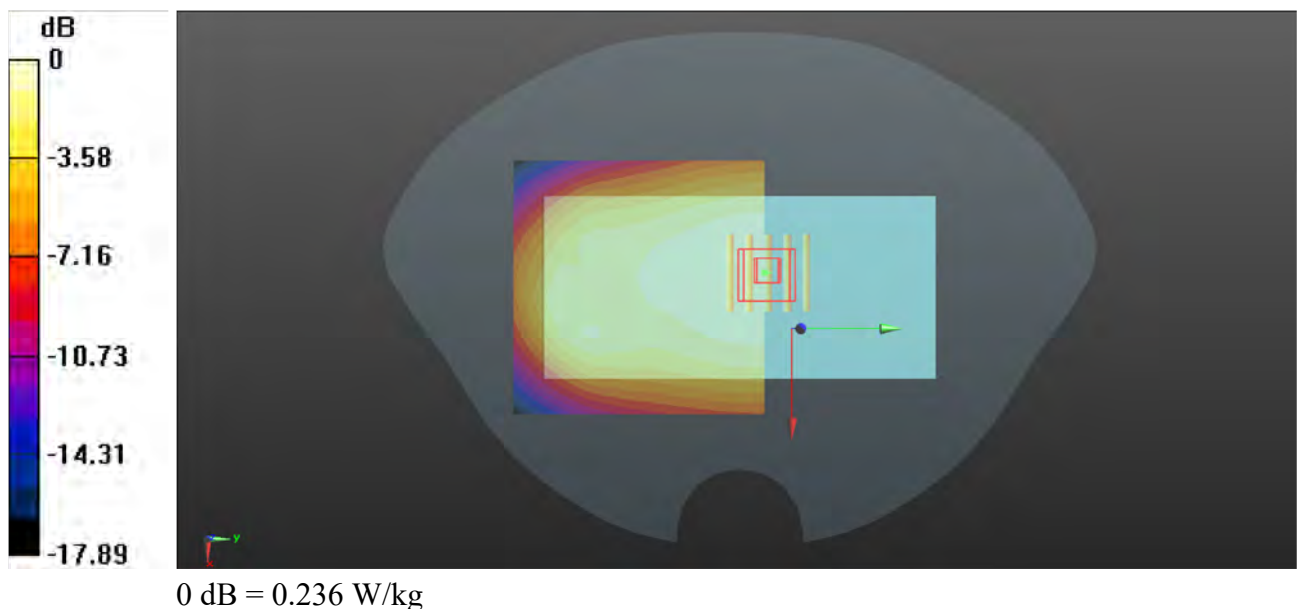
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.19 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.236 W/kg



P50 N5_QPSK20M SCS15KHz_Rear Face_1cm_Ch167300_50RB_OS28_Ant0

Communication System: NR; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 41.989$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 836.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.751 W/kg

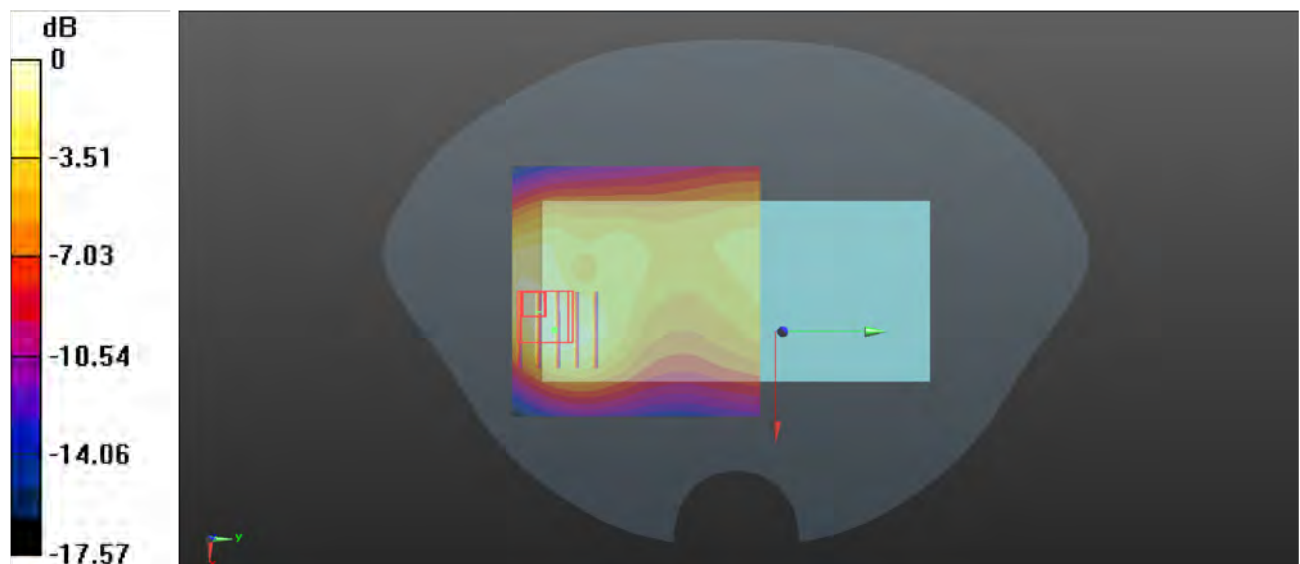
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.28 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (measured) = 0.770 W/kg



P51 N7_QPSK20M SCS15KHz_Rear Face_1cm_Ch502000_50RB_OS28_Ant0

Communication System: NR; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600_0927 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.931$ S/m; $\epsilon_r = 39.525$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2510 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

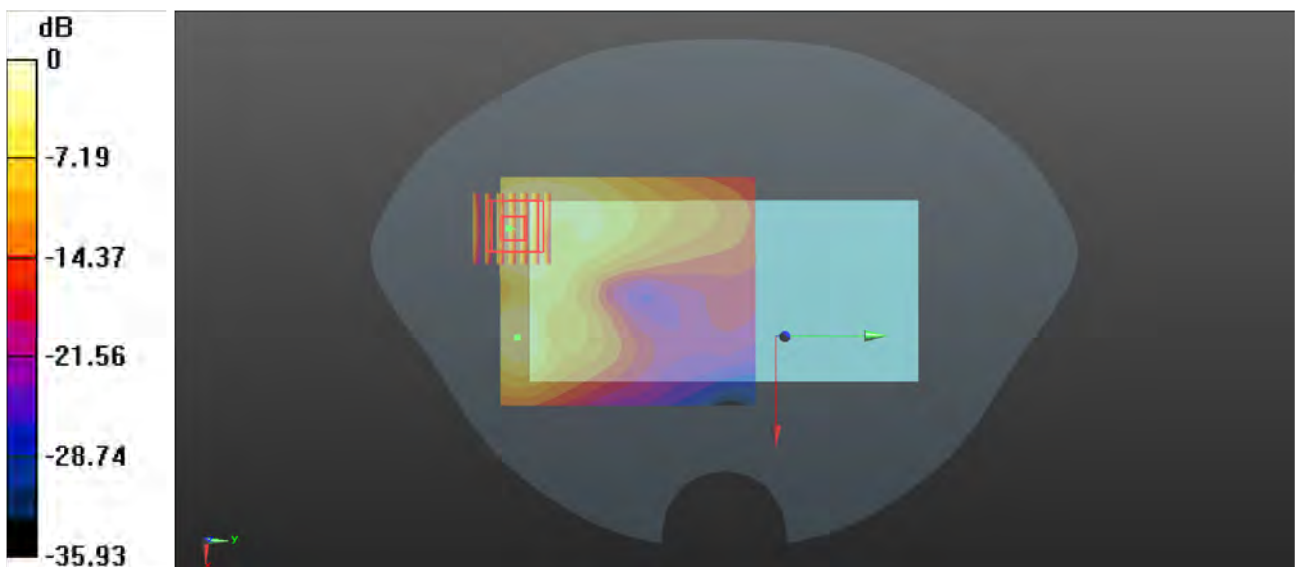
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.257 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.363 W/kg

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg

P52 N12_QPSK15M SCS15KHz_Rear Face_1cm_Ch141300_36RB_OS19_Ant0

Communication System: NR; Frequency: 706.5 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 706.5$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 42.498$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 706.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.350 W/kg

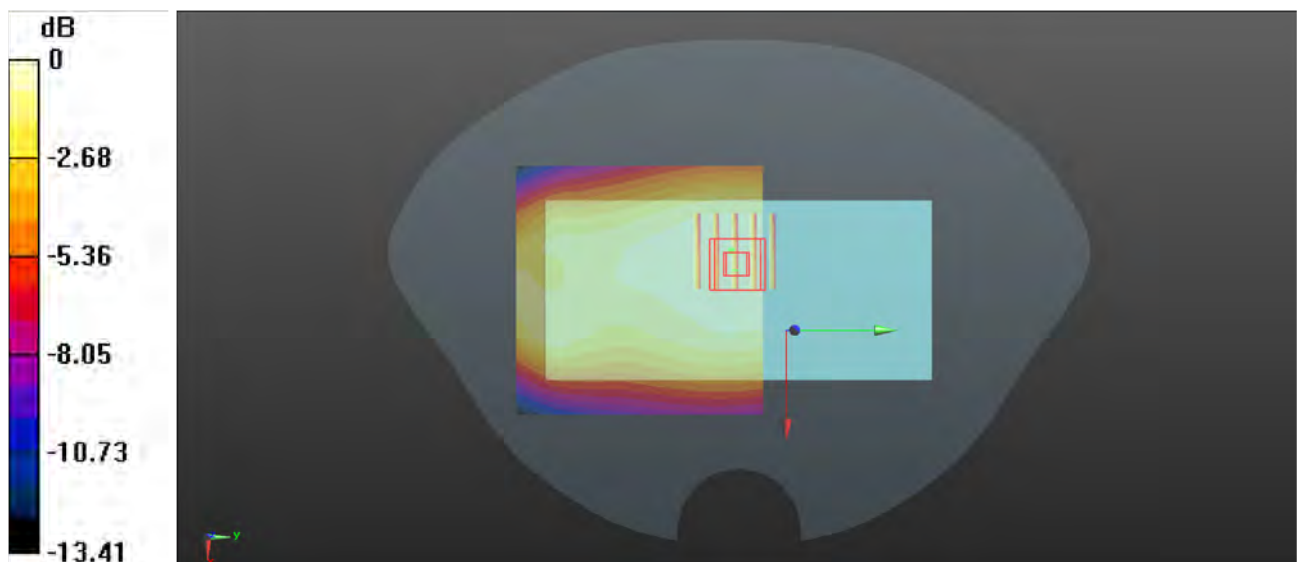
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference

Value = 19.52 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 0.346 W/kg



0 dB = 0.346 W/kg

P53 N25_QPSK20M SCS15KHz_Rear Face_1cm_Ch376500_50RB_OS28_Ant5

Communication System: NR; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.432$ S/m; $\epsilon_r = 39.601$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1882.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.663 W/kg

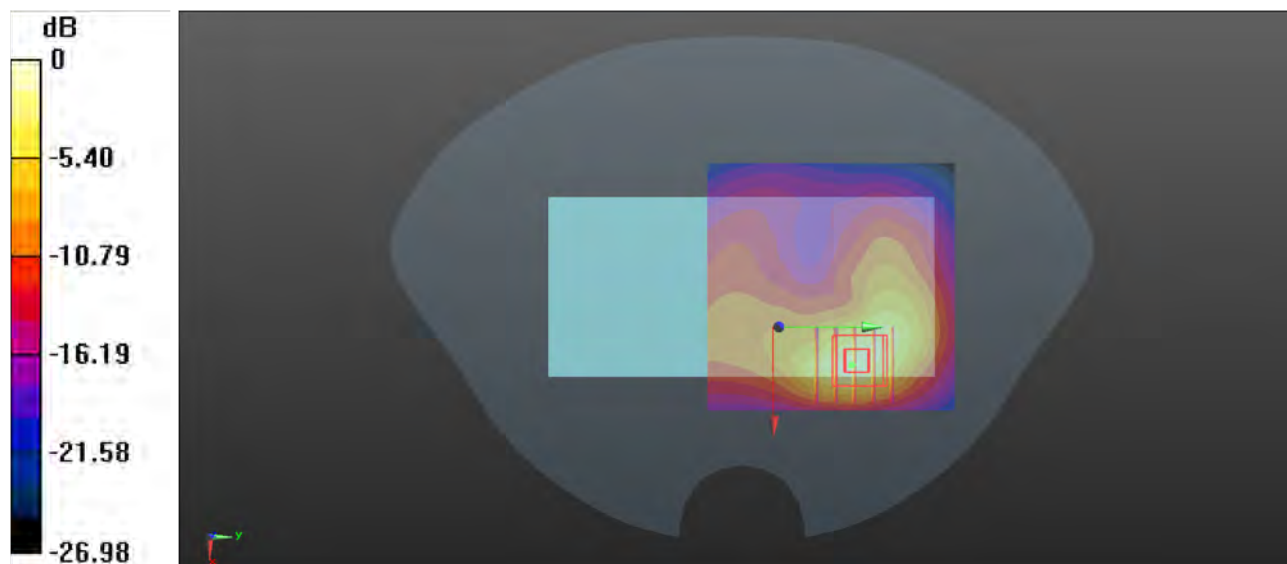
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.581 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 0.747 W/kg



P54 N38_QPSK20M SCS30KHz_Rear Face_1cm_Ch516000_25RB_OS13_Ant5

Communication System: NR; Frequency: 2580 MHz; Duty Cycle: 1:1

Medium: HSL2600_0925 Medium parameters used: $f = 2580$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2580 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.26 W/kg

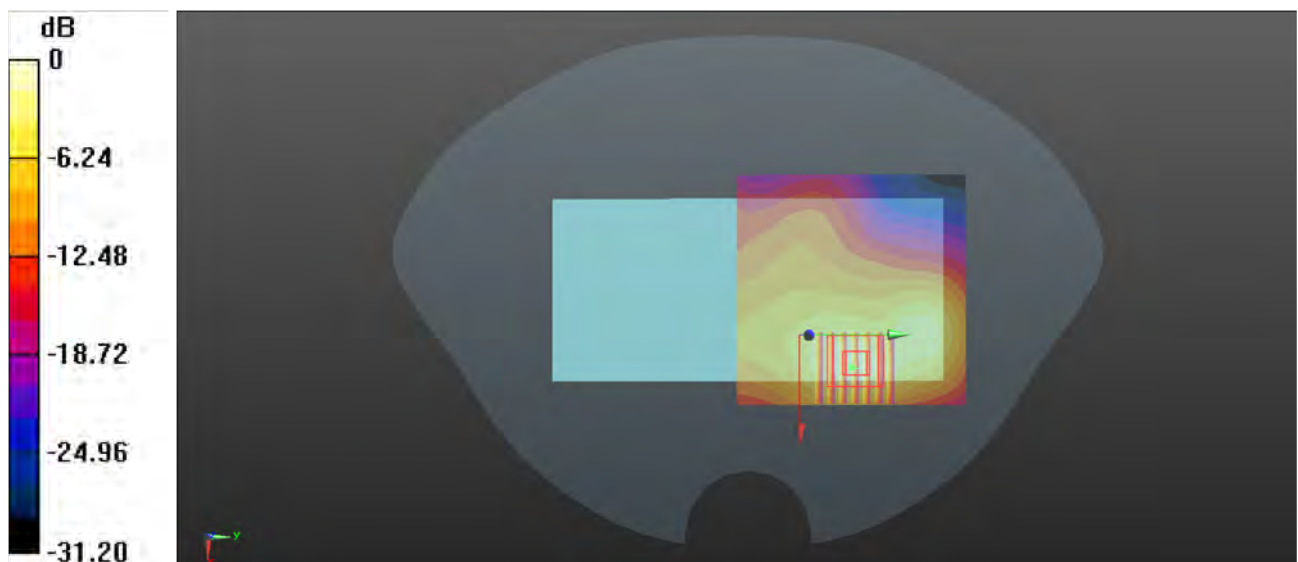
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.443 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg

P55 N41_QPSK100M SCS30KHz_Rear Face_1cm_Ch509202_135RB_OS69_Ant5

Communication System: NR; Frequency: 2546.01 MHz; Duty Cycle: 1:0.5

Medium: HSL2600_0927 Medium parameters used: $f = 2546.01$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 39.443$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2546.01 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.706 W/kg

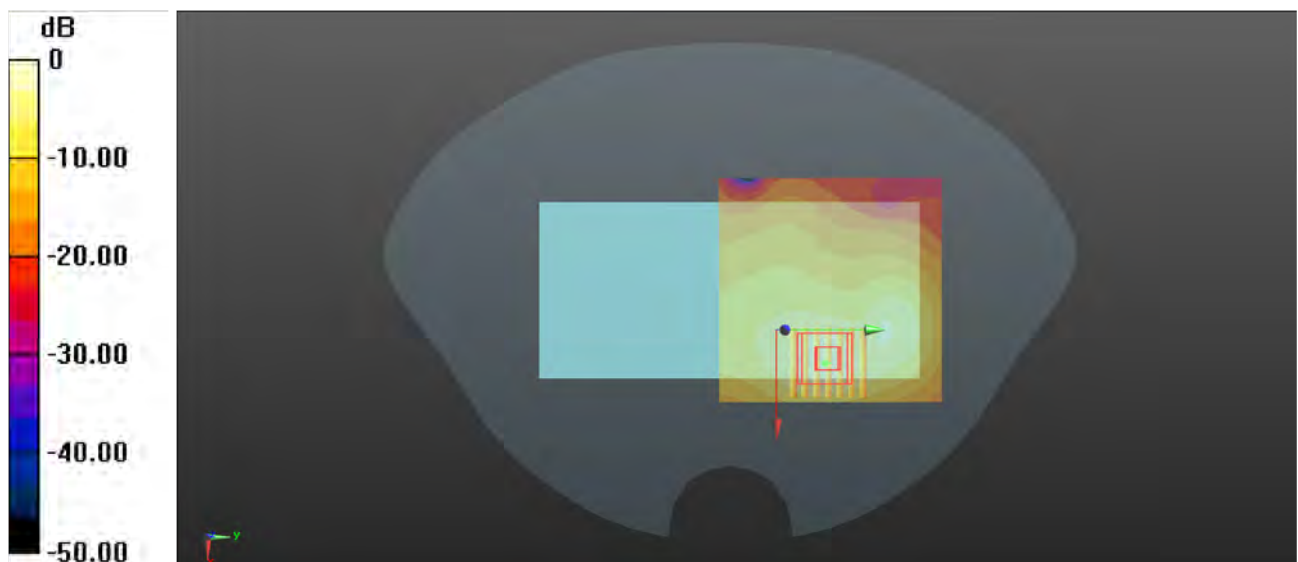
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.603 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 0.769 W/kg



0 dB = 0.769 W/kg

P56 N48_QPSK40M SCS30KHz_Rear Face_1cm_Ch641666_50RB_OS28_Ant6

Communication System: NR; Frequency: 3624.99 MHz; Duty Cycle: 1:1

Medium: HSL3700_1004 Medium parameters used: $f = 3624.99$ MHz; $\sigma = 2.933$ S/m; $\epsilon_r = 39.406$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3624.99 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.907 W/kg

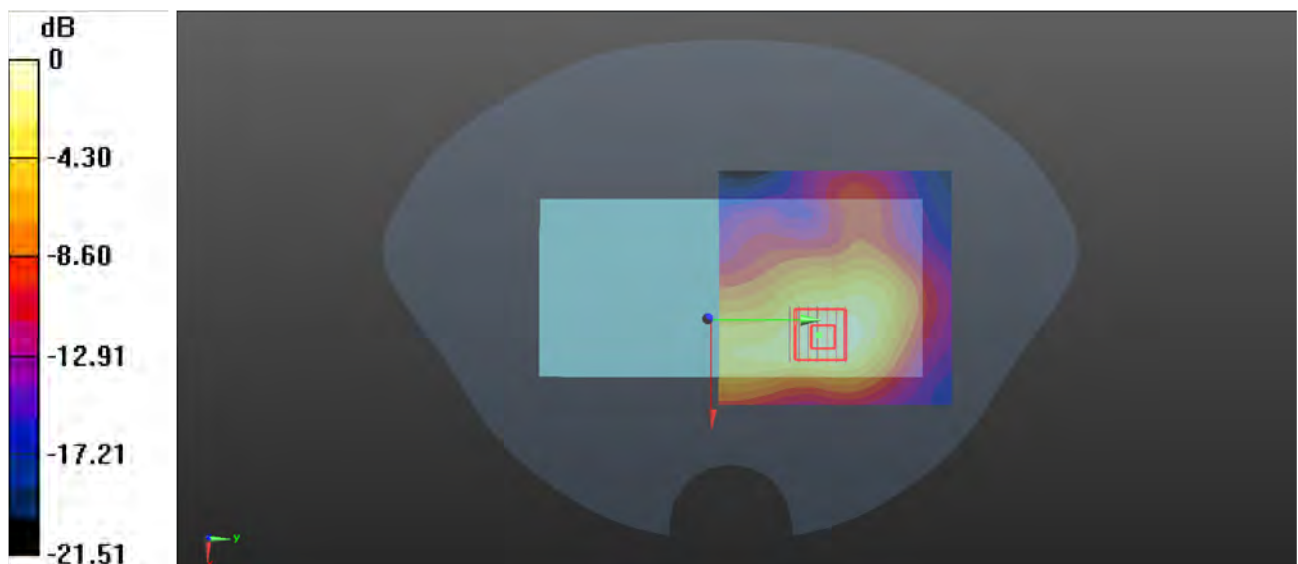
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.779 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg

P57 N66_QPSK40M SCS15KHz_Rear Face_1cm_Ch346000_108RB_OS54_Ant5

Communication System: NR; Frequency: 1730 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1730$ MHz; $\sigma = 1.404$ S/m; $\epsilon_r = 39.88$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1730 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.966 W/kg

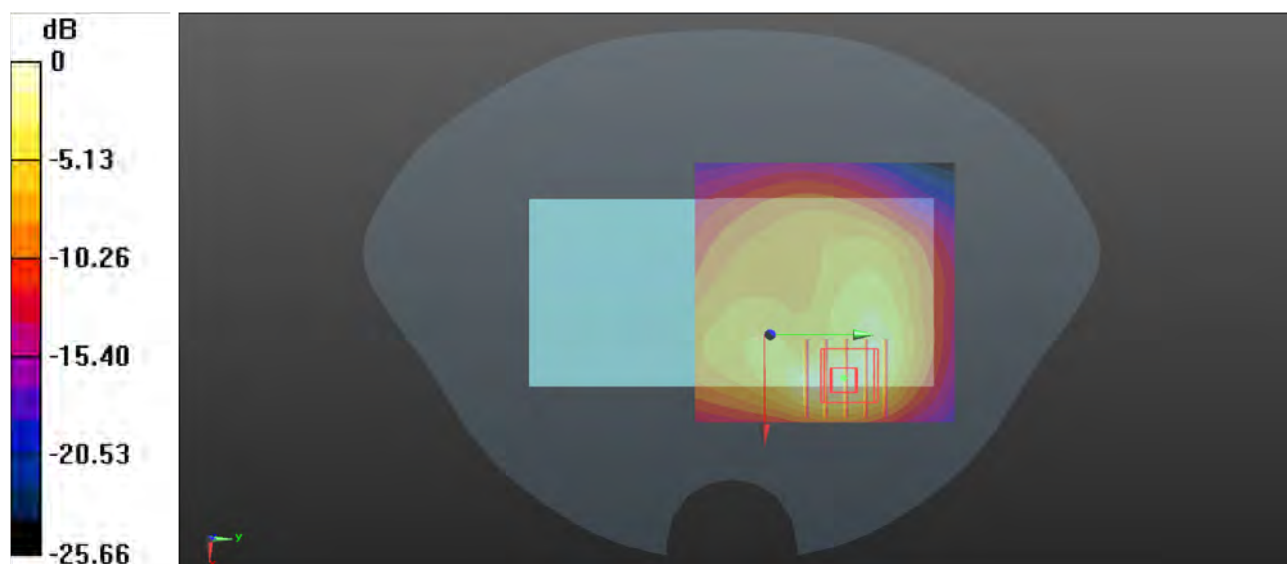
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.27 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.910 W/kg



0 dB = 0.910 W/kg

P58 N71_QPSK20M SCS15KHz_Front Face_1cm_Ch134600_50RB_OS28_Ant0

Communication System: NR; Frequency: 673 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 673$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 42.614$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.15, 10.15, 10.15) @ 673 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.275 W/kg

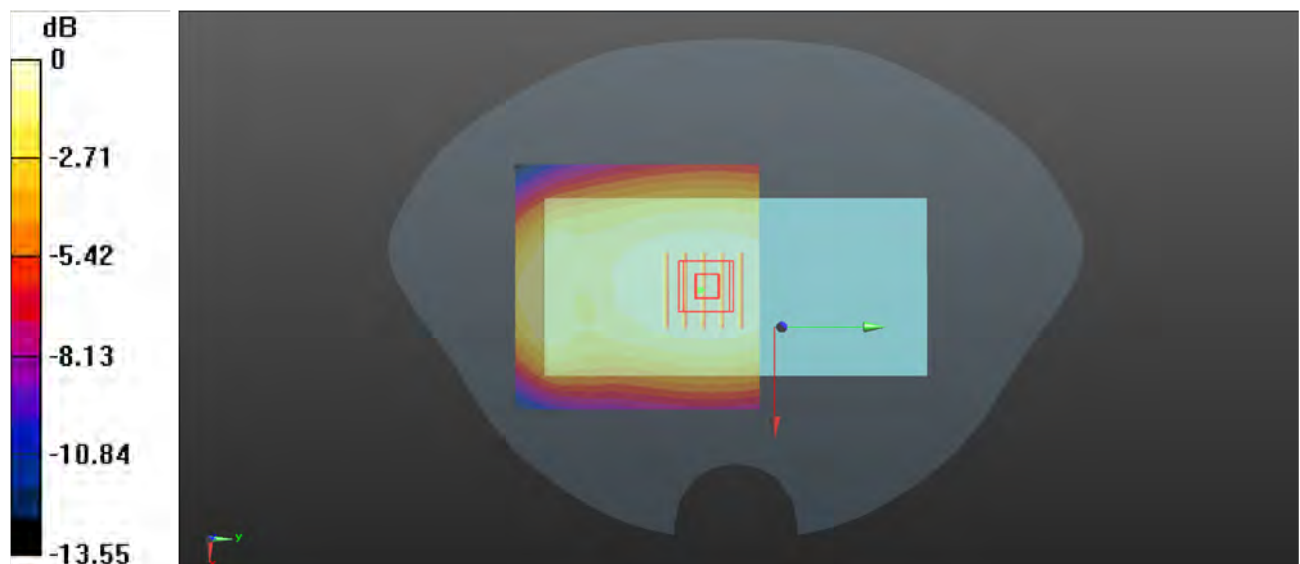
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.54 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg

P59 N77_QPSK100M SCS30KHz_Rear Face_1cm_Ch633334_1RB_OS137_Ant6

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

Medium: HSL3500_0928 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.821$ S/m; $\epsilon_r = 39.687$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.01, 7.01, 7.01) @ 3500 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.941 W/kg

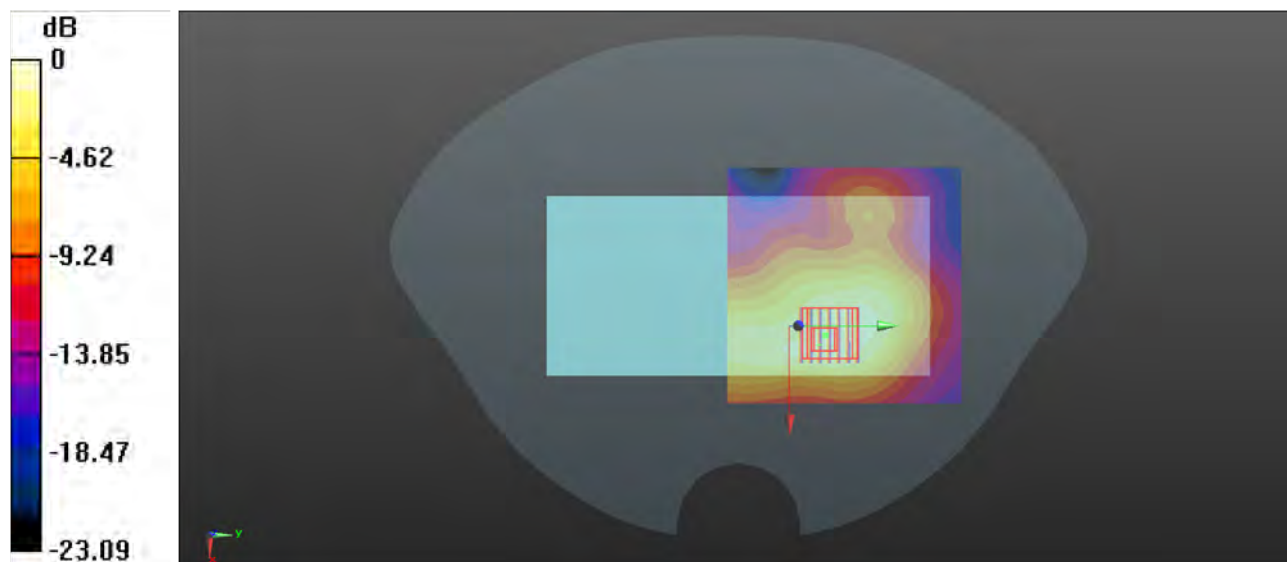
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 7.622 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.938 W/kg



0 dB = 0.938 W/kg

P60 WLAN2.4G_802.11b_Rear Face_1cm_Ch6_Ant8

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450_0923 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 39.331$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.8, 7.8, 7.8) @ 2437 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1):** Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.379 W/kg

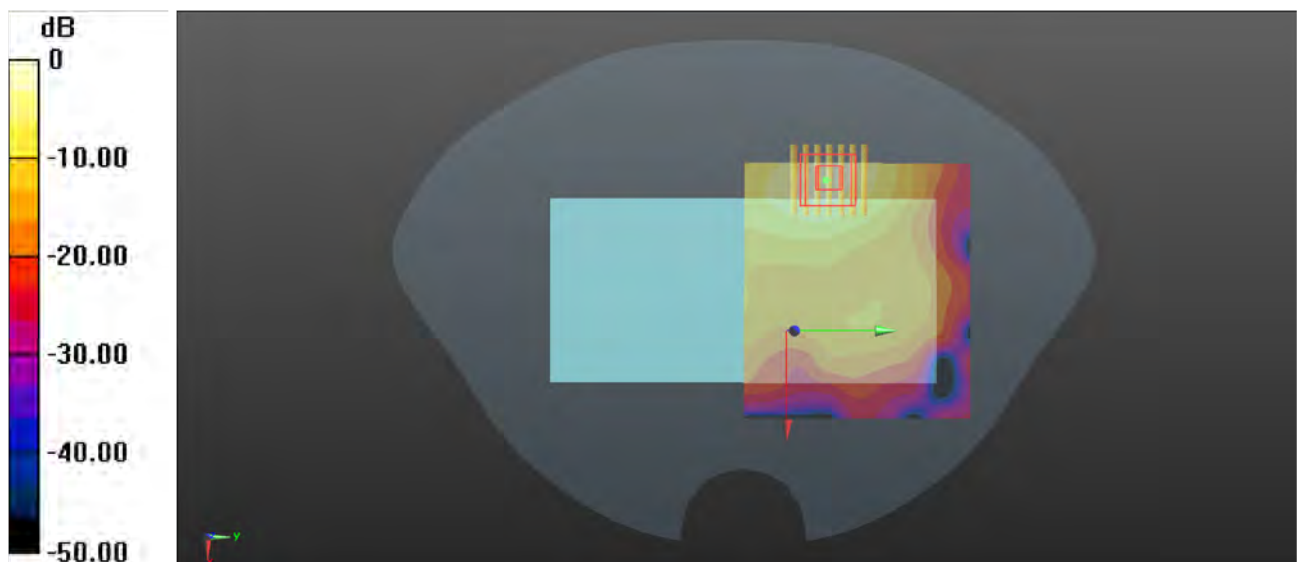
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.203 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg

P61 WIFI5G_802.11ac80_Front Face_1cm_Ch42_Ant7+8

Communication System: 802.11ac80; Frequency: 5210 MHz; Duty Cycle: 1:1.134

Medium: HSL5G_1006 Medium parameters used: $f = 5210$ MHz; $\sigma = 4.477$ S/m; $\epsilon_r = 35.203$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.6, 5.6, 5.6) @ 5210 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (101x101x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.367 W/kg

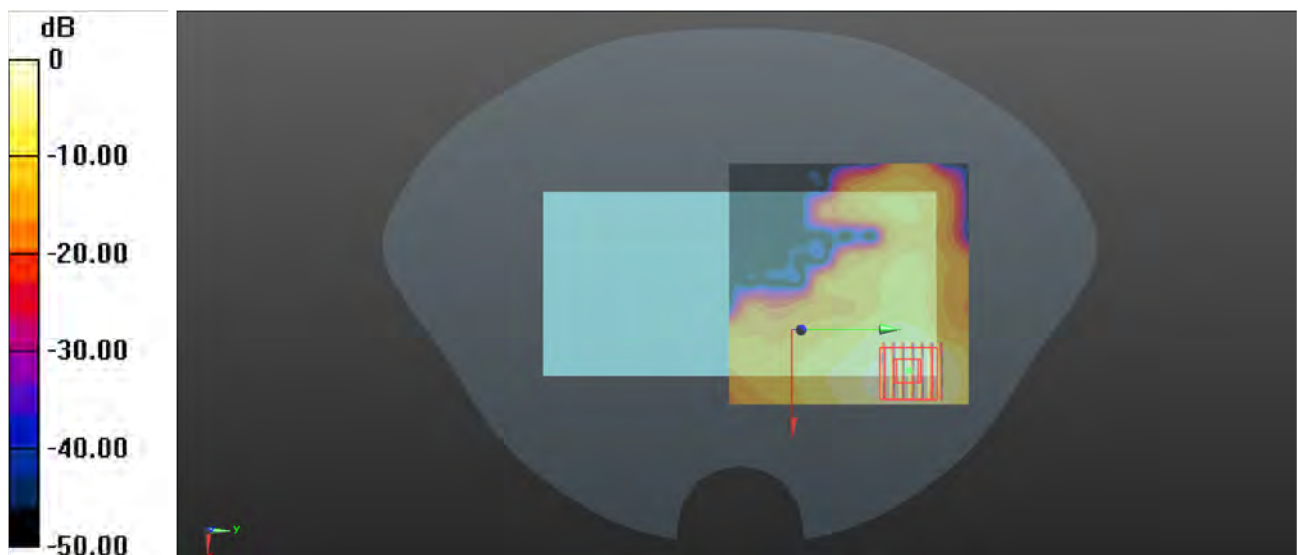
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.137 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.687 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.381 W/kg

P62 WLAN5G_802.11ac80_Front Face_1cm_Ch58_Ant7+8

Communication System: 802.11ac80; Frequency: 5290 MHz; Duty Cycle: 1:1.134

Medium: HSL5G_1006 Medium parameters used: $f = 5290$ MHz; $\sigma = 4.59$ S/m; $\epsilon_r = 34.922$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.6, 5.6, 5.6) @ 5290 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (101x91x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.411 W/kg

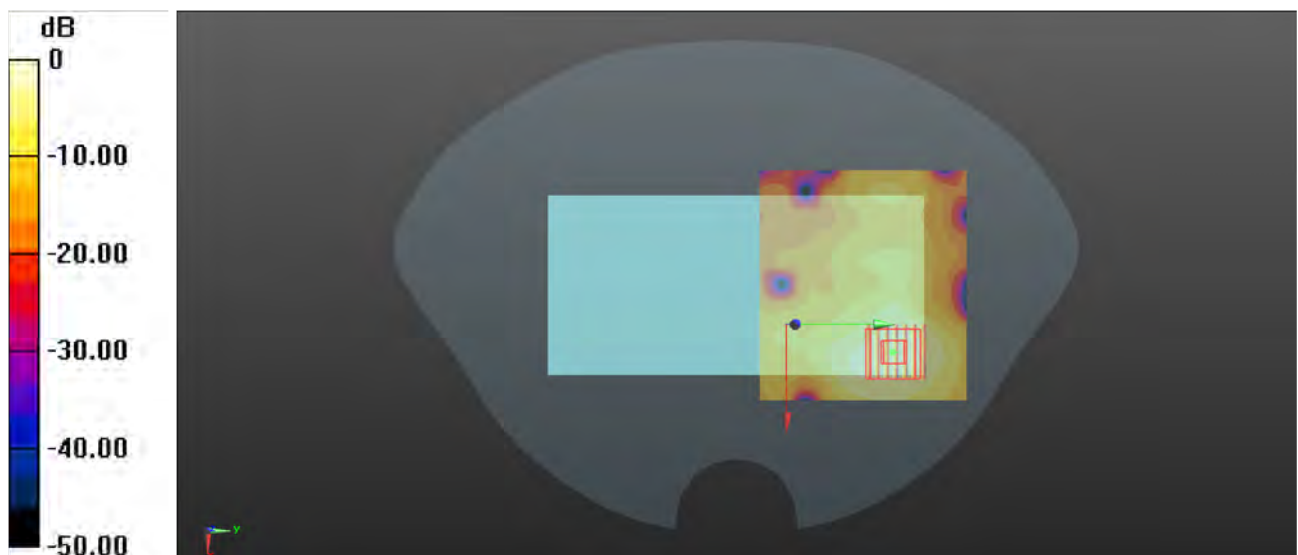
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.565 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.833 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg

P63 WIFI5G_802.11ac80_Front Face_1cm_Ch155_Ant7+8

Communication System: 802.11ac80; Frequency: 5775 MHz; Duty Cycle: 1:1.134

Medium: HSL5G_1007 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.133$ S/m; $\epsilon_r = 34.204$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(5.16, 5.16, 5.16) @ 5775 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.316 W/kg

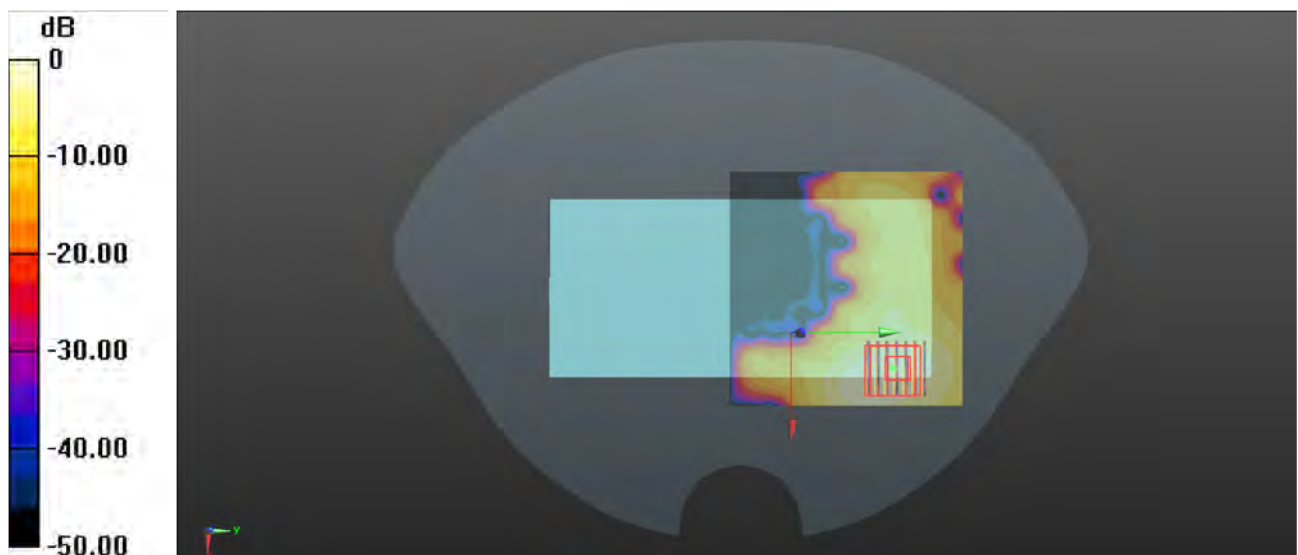
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.655 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.327 W/kg

P64 BT_GFSK_Rear Face_1cm_Ch0_Ant7

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.299

Medium: HSL2450_0923 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 39.398$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.8, 7.8, 7.8) @ 2402 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1)**: Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.130 W/kg

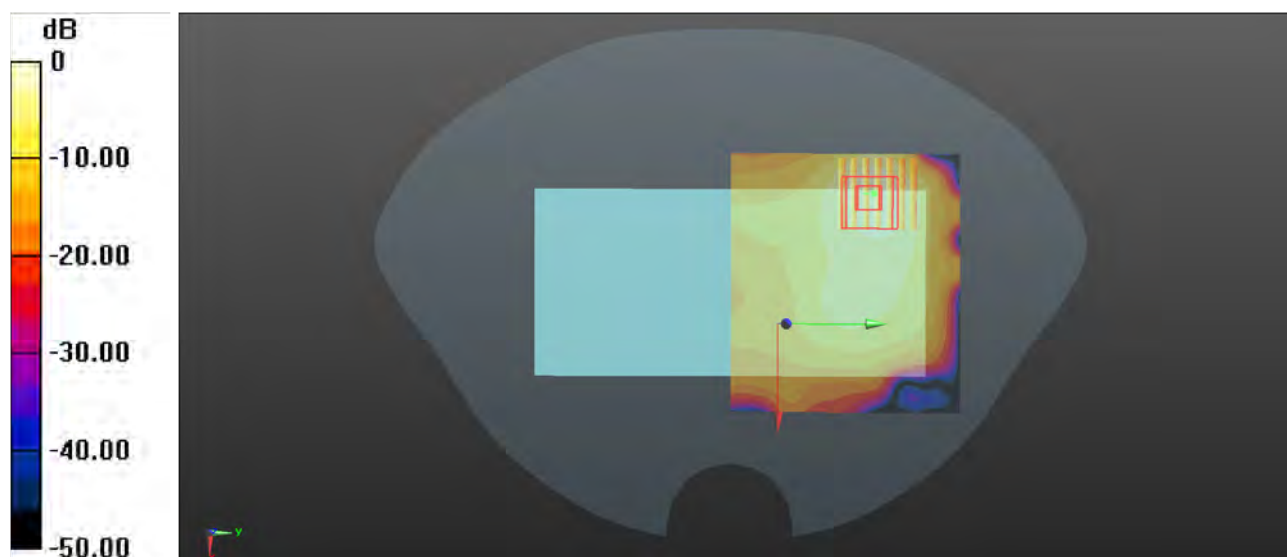
- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.558 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.035 W/kg

Maximum value of SAR (measured) = 0.114 W/kg



0 dB = 0.114 W/kg

P65 GSM850_GPRS 2Tx Slot_Rear Face_1cm_Ch251_Ant0

Communication System: GPRS 2Tx Slot; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: HSL835_0919 Medium parameters used: $f = 849$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 41.935$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 848.8 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.27 W/kg

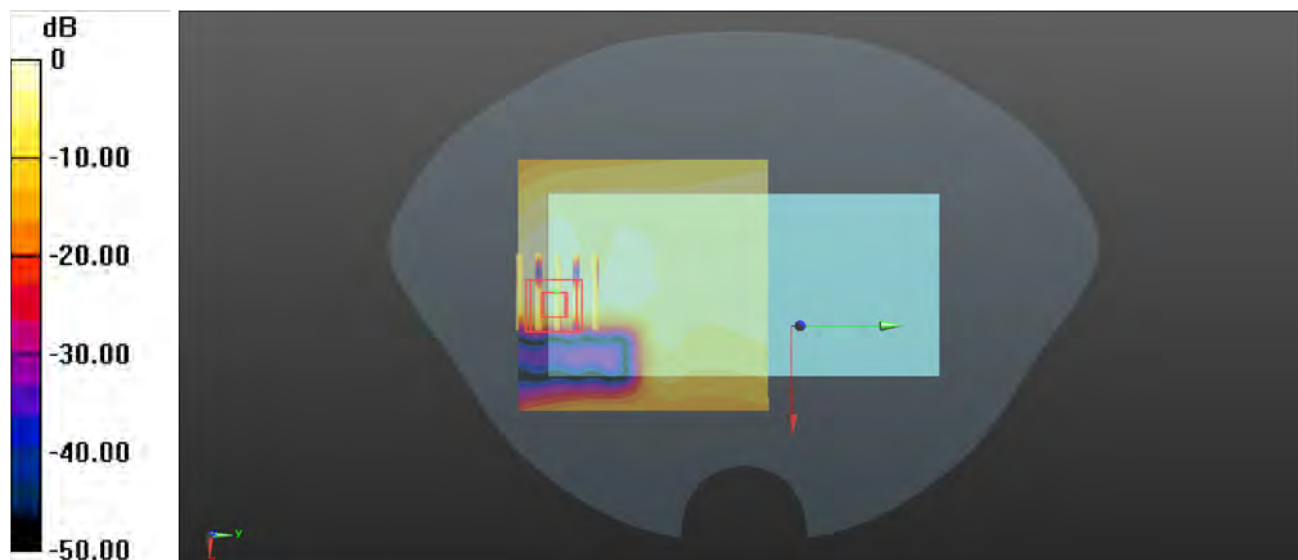
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.98 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg

P66 GSM1900_GPRS 2Tx Slot_Rear Face_1cm_Ch810_ANT0

Communication System: GPRS 2Tx Slot; Frequency: 1910 MHz; Duty Cycle: 1:4.15

Medium: HSL1900_0922 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.449$ S/m; $\epsilon_r = 39.586$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1910 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.03 W/kg

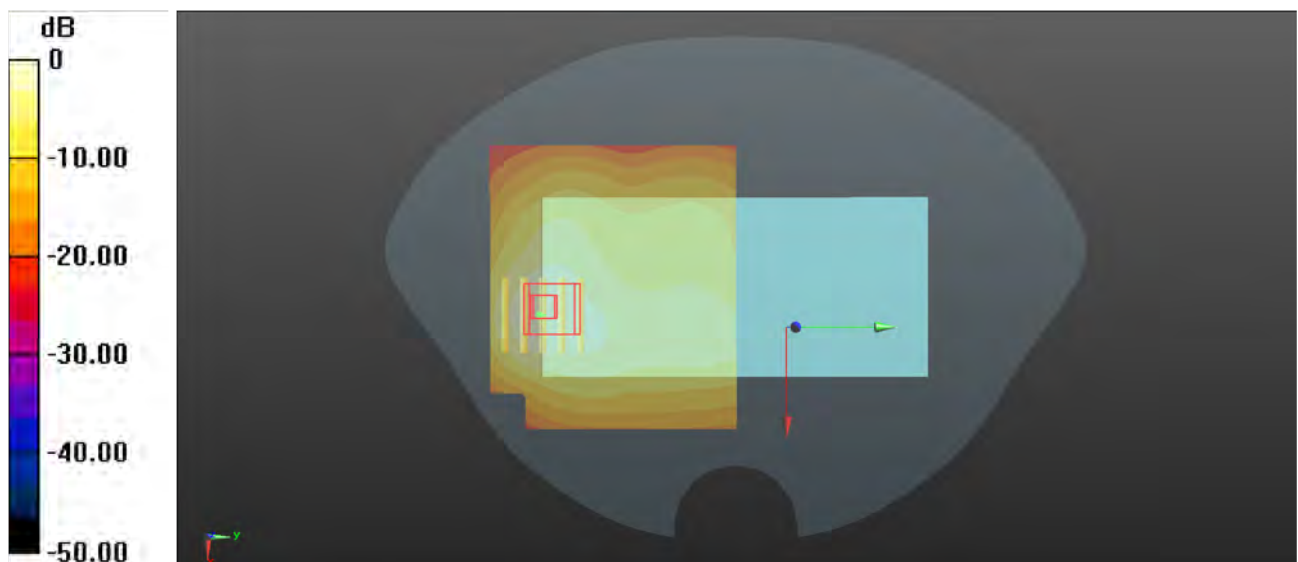
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.86 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.443 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

P67 WCDMA II_RMC12.2K_Left Side_1cm_Ch9538_ANT4

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.448$ S/m; $\epsilon_r = 39.586$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1907.6 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.448 W/kg

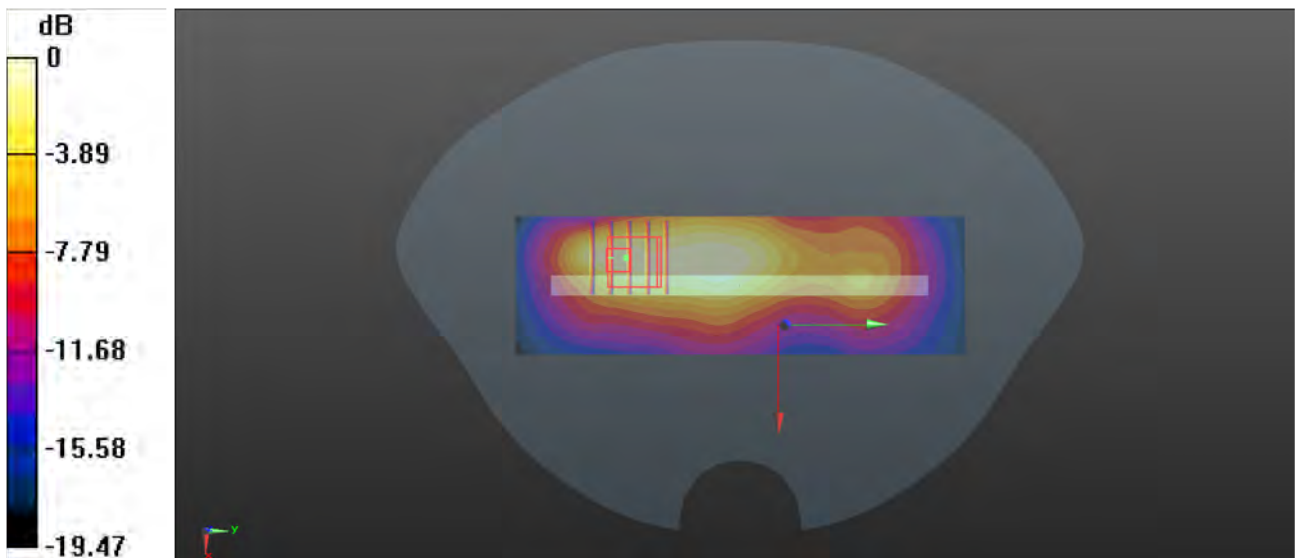
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.01 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.450 W/kg



0 dB = 0.450 W/kg

P68 WCDMA IV_RMC12.2K_Rear Face_1cm_Ch1513_Ant4

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.418$ S/m; $\epsilon_r = 39.834$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1752.6 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.821 W/kg

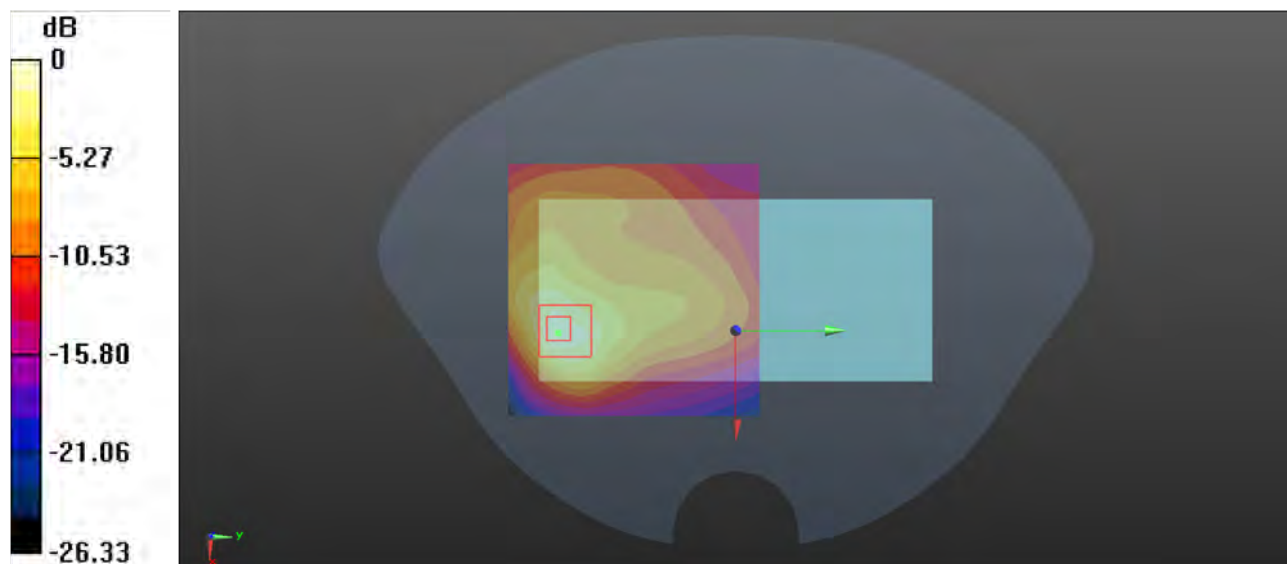
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.370 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.957 W/kg



0 dB = 0.957 W/kg

P69 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182_Ant0

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 41.989$; $\rho = 1000$ kg/m³

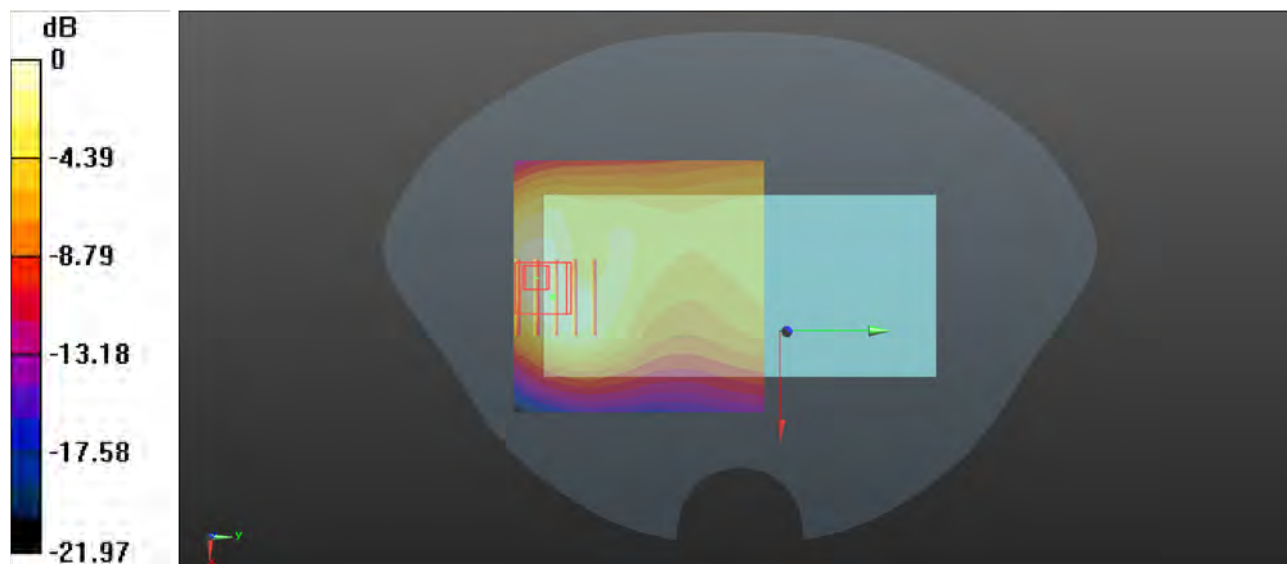
Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 836.4 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.693 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 16.32 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.824 W/kg
SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.277 W/kg
Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg

P70 LTE 7_QPSK20M_Rear Face_1cm_Ch20850_1RB_OS50_Ant0

Communication System: LTE_FDD; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600_0926 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.861$ S/m; $\epsilon_r = 39.148$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2510 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.24 W/kg

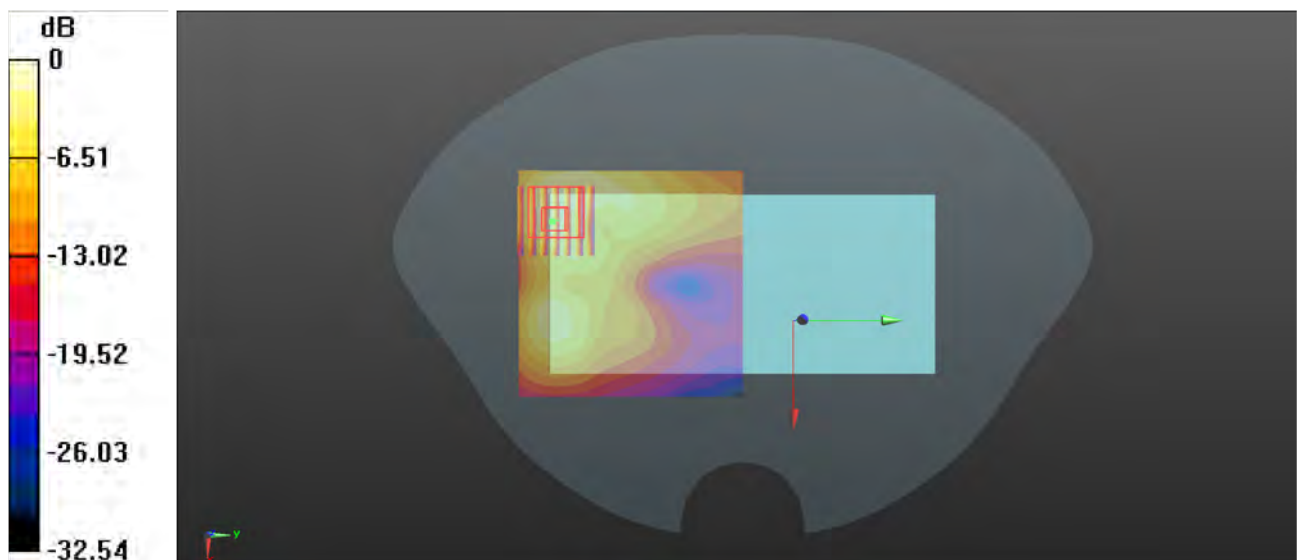
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.279 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.394 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

P71 LTE 12_QPSK10M_Front Face_1cm_Ch23130_1RB_OS24_Ant0

Communication System: LTE_FDD; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 711$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 42.477$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 711 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.329 W/kg

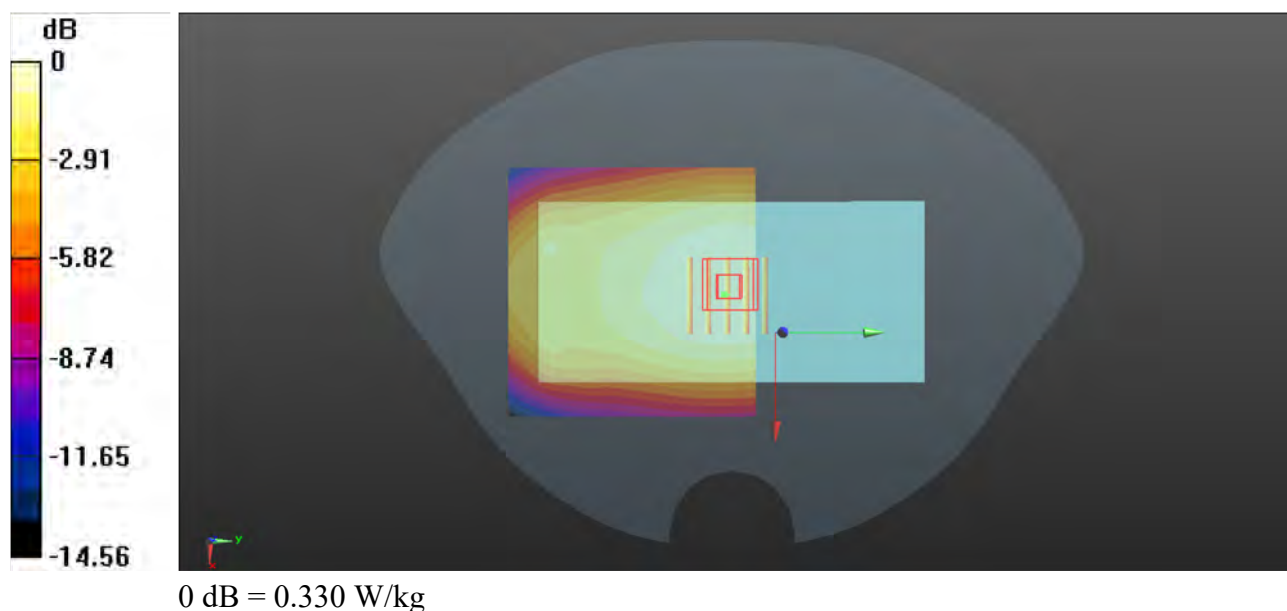
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.36 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.330 W/kg



P72 LTE 13_QPSK10M_Rear Face_1cm_Ch23230_1RB_OS0_Ant0

Communication System: LTE_FDD; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 782$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 42.271$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 782 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.269 W/kg

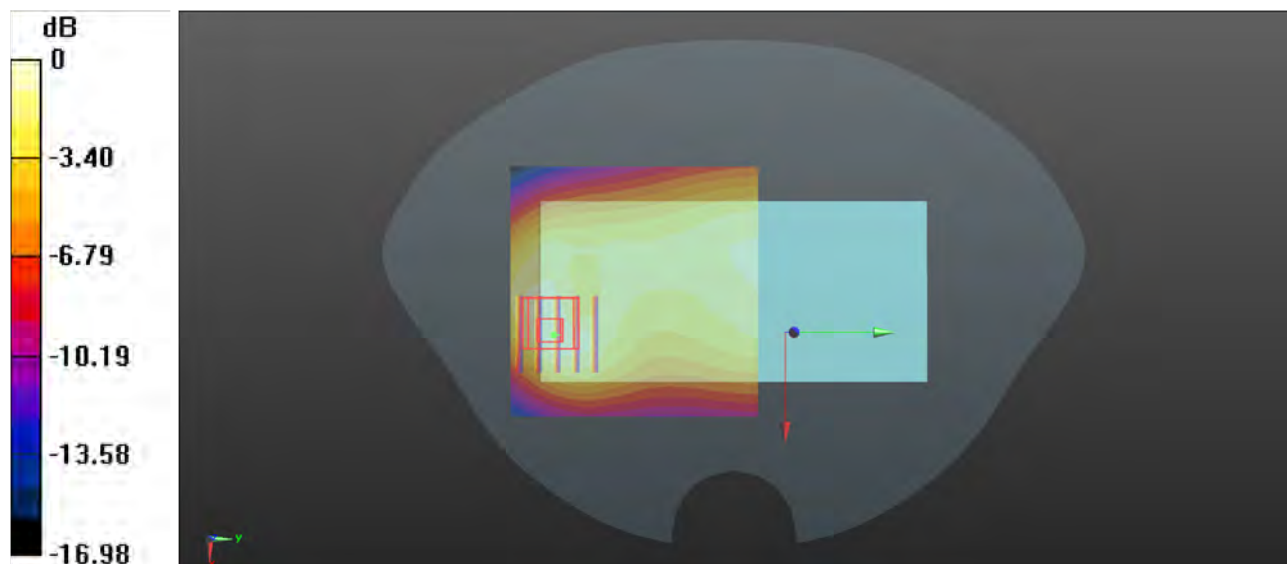
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.55 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg

P73 LTE 25_QPSK20M_Left Side_1cm_Ch26590_1RB_OS50_Ant4

Communication System: LTE_FDD; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 39.588$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1905 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.653 W/kg

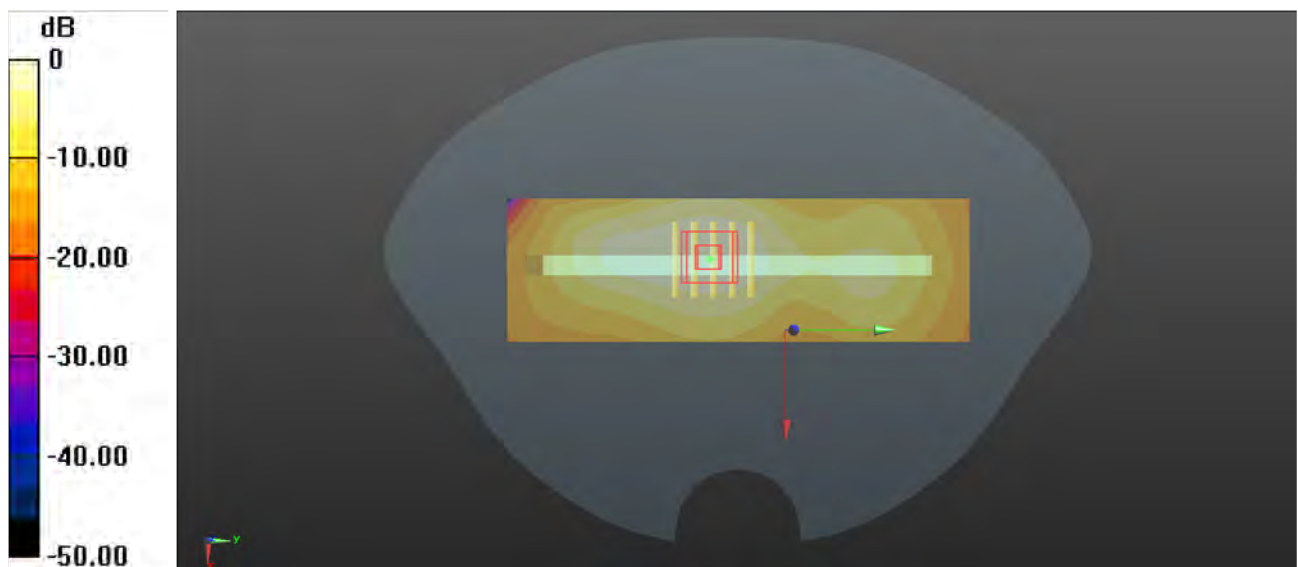
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.94 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.788 W/kg

SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.641 W/kg



0 dB = 0.641 W/kg

P74 LTE 26_QPSK15M_Rear Face_1cm_Ch26865_1RB_OS37_Ant0

Communication System: LTE_FDD; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 42.014$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 831.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.769 W/kg

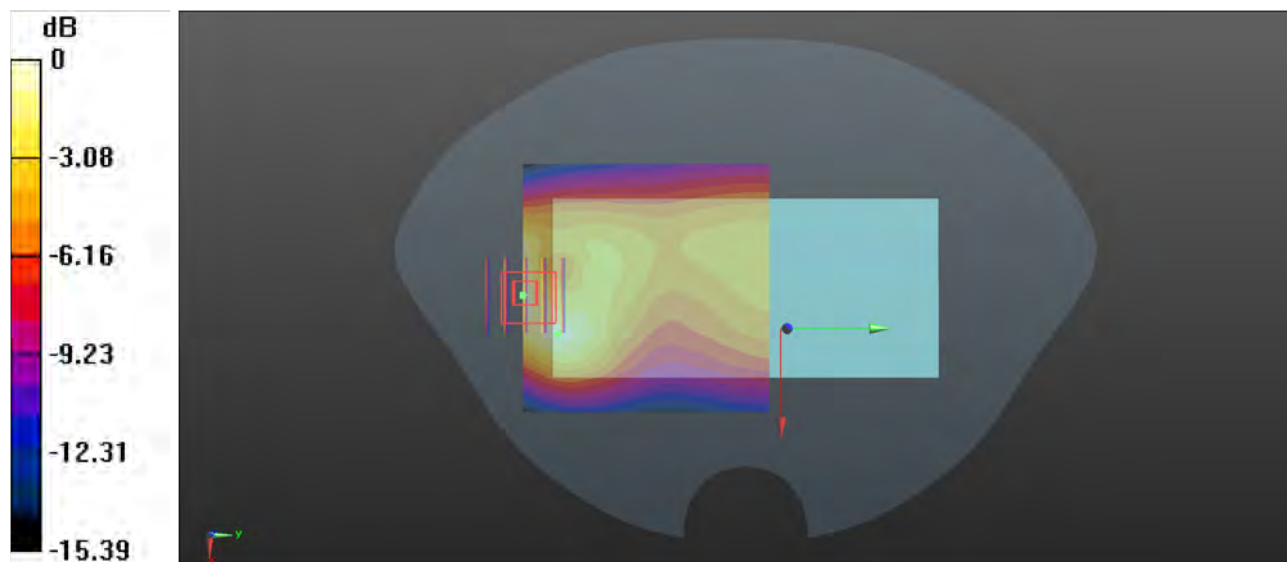
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.50 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.977 W/kg

SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.771 W/kg



0 dB = 0.771 W/kg

P75 LTE 38_QPSK20M_Rear Face_1cm_Ch37850_1RB_OS0_Ant4

Communication System: LTE_TDD; Frequency: 2580 MHz; Duty Cycle: 1:1.59

Medium: HSL2600_0925 Medium parameters used: $f = 2580$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2580 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

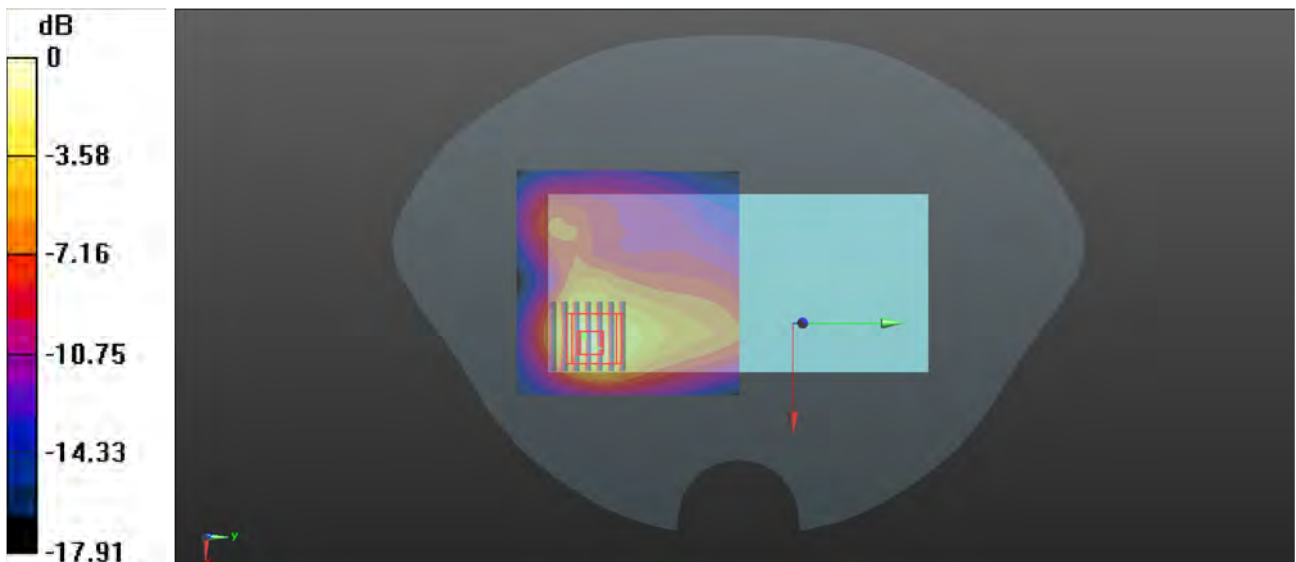
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.786 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



P76 LTE 41 PC2_QPSK20M_Left Side_1cm_Ch40620_50RB_OS0_Ant4

Communication System: LTE_TDD; Frequency: 2593 MHz; Duty Cycle: 1:2.33

Medium: HSL2600_0927 Medium parameters used: $f = 2593$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 39.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2593 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (31x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.784 W/kg

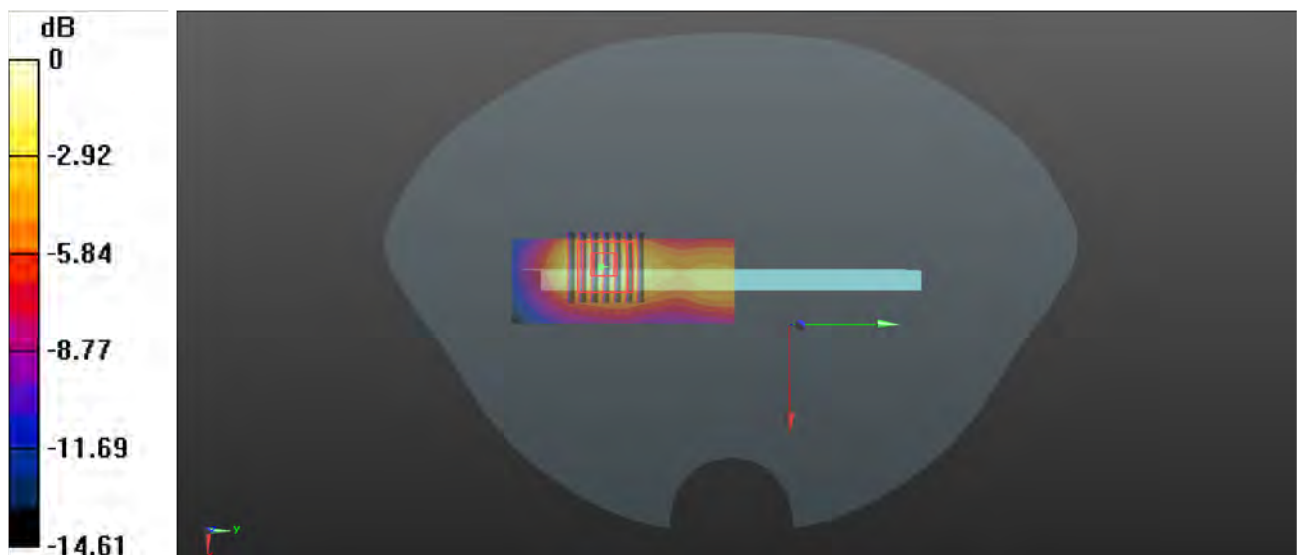
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.45 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.241 W/kg

Maximum value of SAR (measured) = 0.787 W/kg



0 dB = 0.787 W/kg

P77 LTE 42_QPSK20M_Front Face_1cm_Ch43490_1RB_OS50_Ant2

Communication System: LTE_TDD; Frequency: 3950 MHz; Duty Cycle: 1:1.59

Medium: HSL3900_0928 Medium parameters used: $f = 3950$ MHz; $\sigma = 3.264$ S/m; $\epsilon_r = 38.92$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.72, 6.72, 6.72) @ 3950 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.544 W/kg

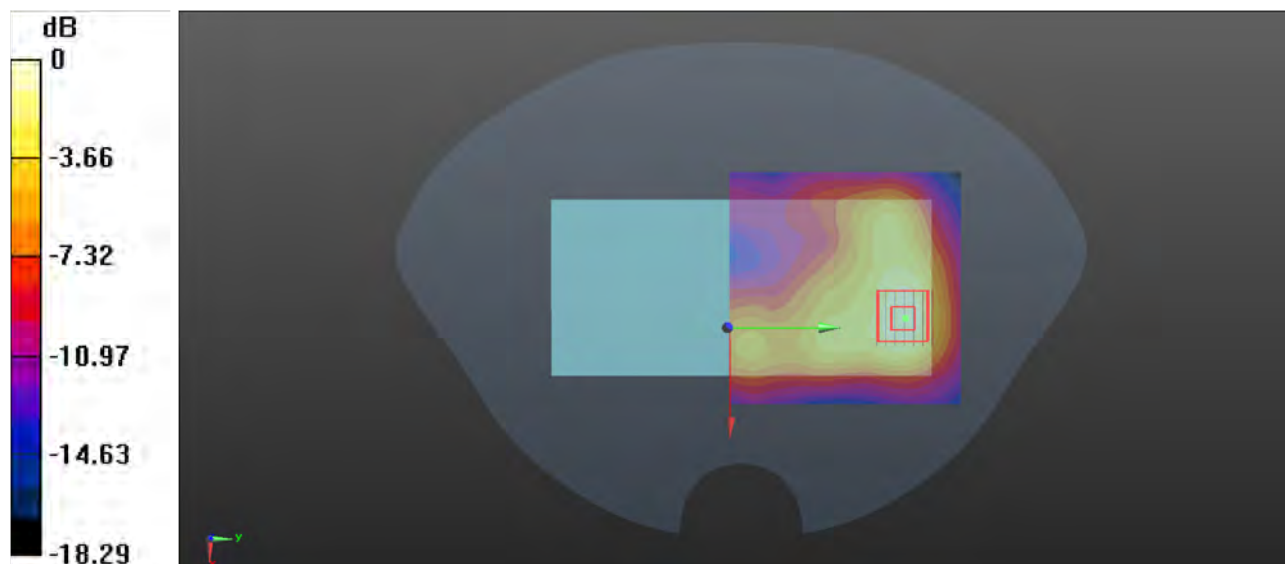
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.264 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg

P78 LTE 43_QPSK20M_Front Face_1cm_Ch44090_1RB_OS50_Ant2

Communication System: LTE_TDD; Frequency: 3650 MHz; Duty Cycle: 1:1.59

Medium: HSL3700_1004 Medium parameters used: $f = 3650$ MHz; $\sigma = 2.959$ S/m; $\epsilon_r = 39.36$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3650 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.505 W/kg

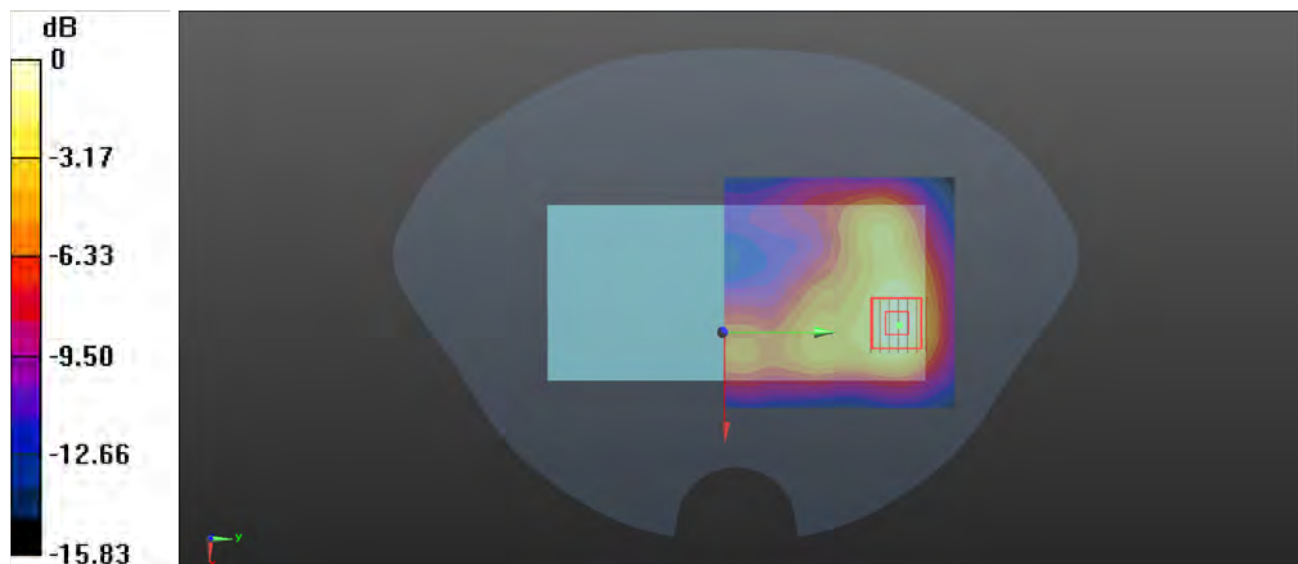
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.297 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.743 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg

P79 LTE 48_QPSK20M_Rear Face_1cm_Ch56150_1RB_OS50_Ant6

Communication System: LTE_TDD; Frequency: 3641 MHz; Duty Cycle: 1:1.59

Medium: HSL3700_1004 Medium parameters used: $f = 3641$ MHz; $\sigma = 2.955$ S/m; $\epsilon_r = 39.46$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3641 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.922 W/kg

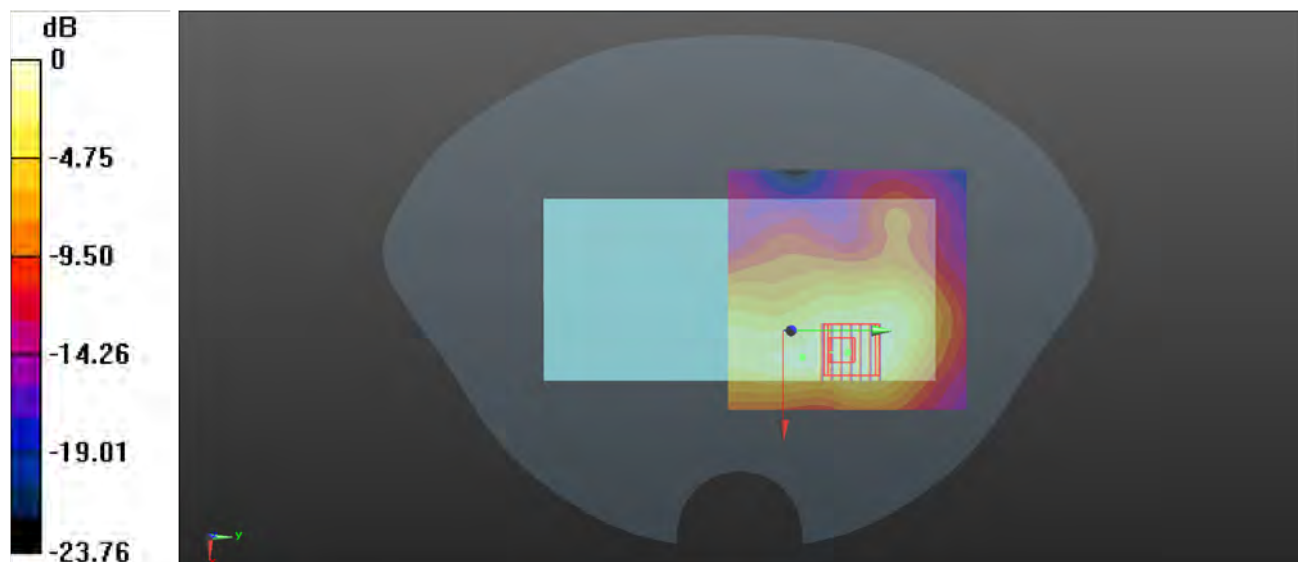
-Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 8.436 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.275 W/kg

Maximum value of SAR (measured) = 0.916 W/kg



0 dB = 0.916 W/kg

P80 LTE 66_QPSK20M_Left Side_1cm_Ch132572_1RB_OS50_Ant4

Communication System: LTE_FDD; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.429$ S/m; $\epsilon_r = 41.078$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1770 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.620 W/kg

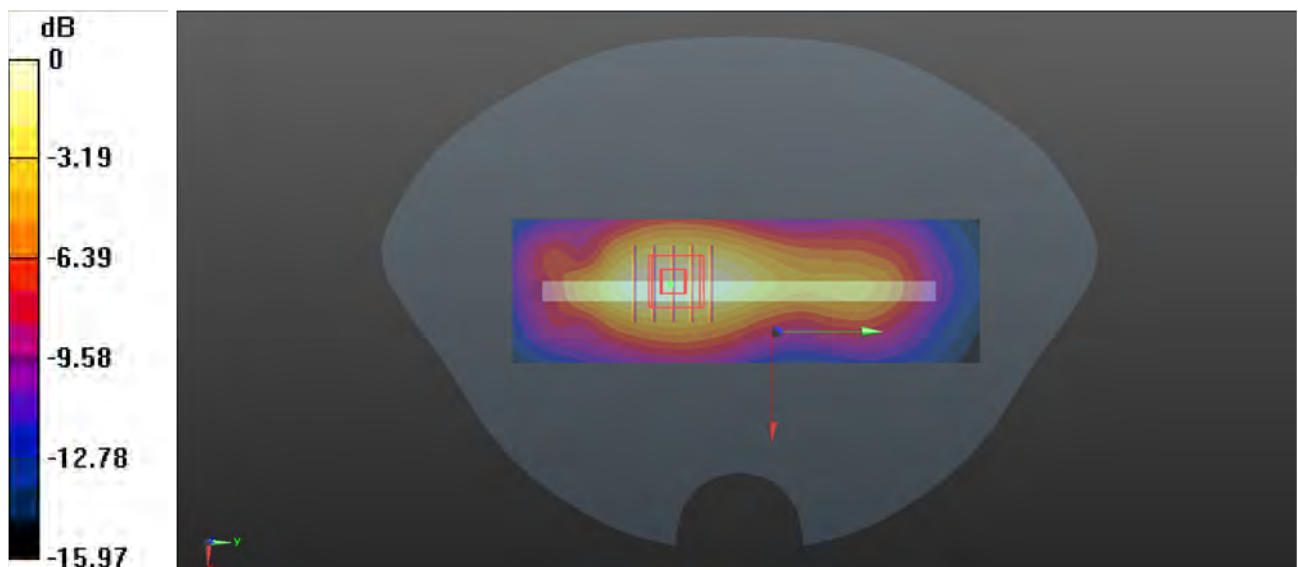
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.22 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.617 W/kg



0 dB = 0.617 W/kg

P81 LTE 71_QPSK20M_Rear Face_1cm_Ch133372_1RB_OS50_Ant0

Communication System: LTE_FDD; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 688$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 42.568$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 688 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.236 W/kg

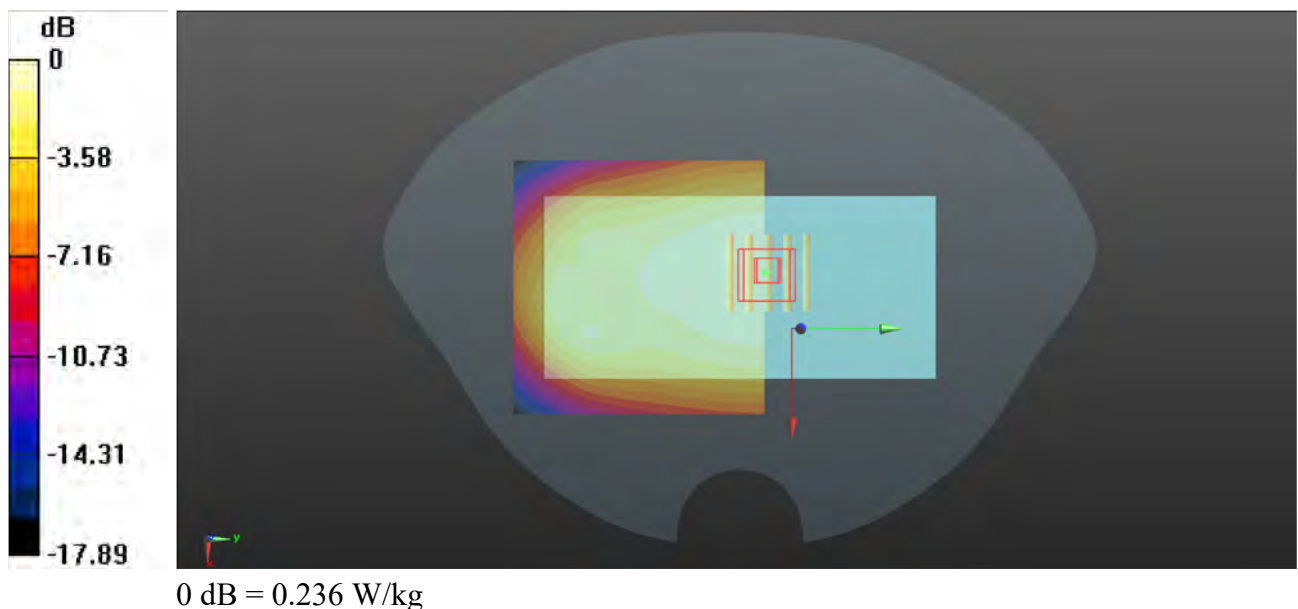
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.19 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.236 W/kg



P82 N5_QPSK20M SCS15KHz_Rear Face_1cm_Ch167300_50RB_OS28_Ant0

Communication System: NR; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835_0919 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 41.989$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(9.9, 9.9, 9.9) @ 836.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.751 W/kg

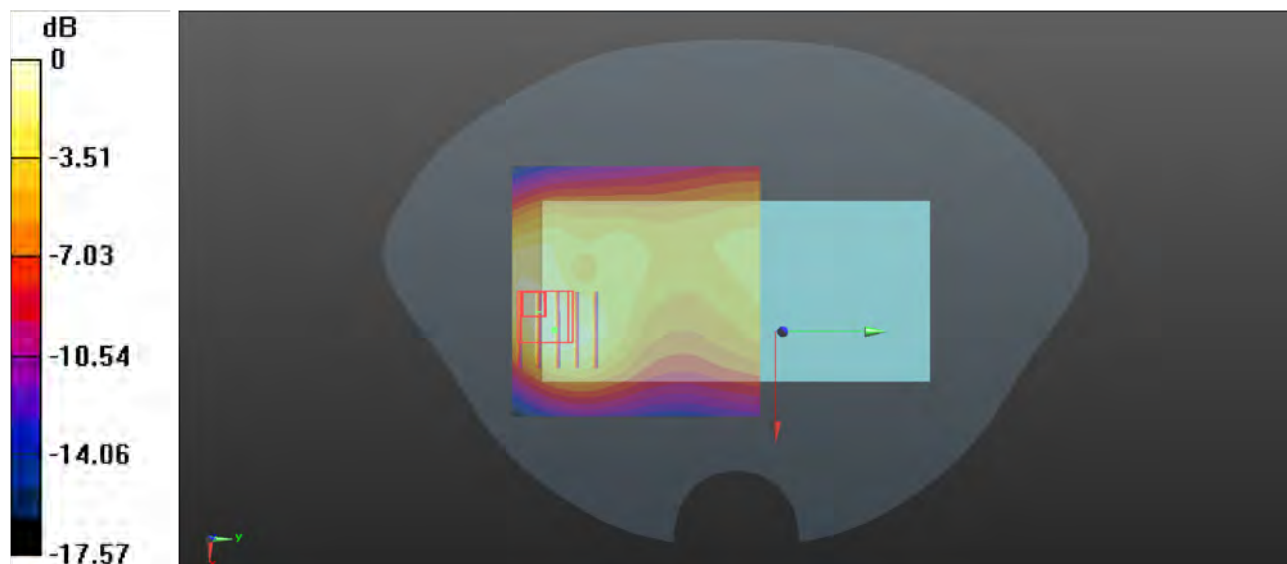
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.28 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (measured) = 0.770 W/kg



0 dB = 0.770 W/kg

P83 N7_QPSK20M SCS15KHz_Bottom Side_1cm_Ch502000_50RB_OS28_Ant0

Communication System: NR; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600_0927 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.931$ S/m; $\epsilon_r = 39.525$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2510 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.92 W/kg

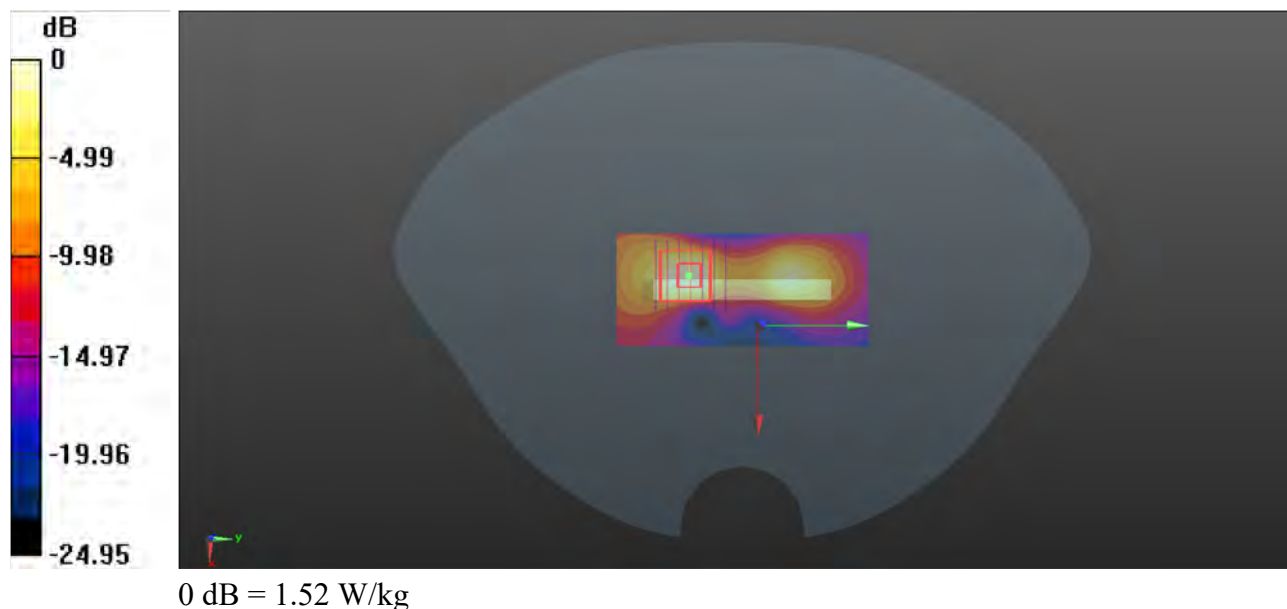
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.547 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



P84 N12_QPSK15M SCS15KHz_Rear Face_1cm_Ch141300_36RB_OS19_Ant0

Communication System: NR; Frequency: 706.5 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 706.5$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 42.498$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.3, 10.3, 10.3) @ 706.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.350 W/kg

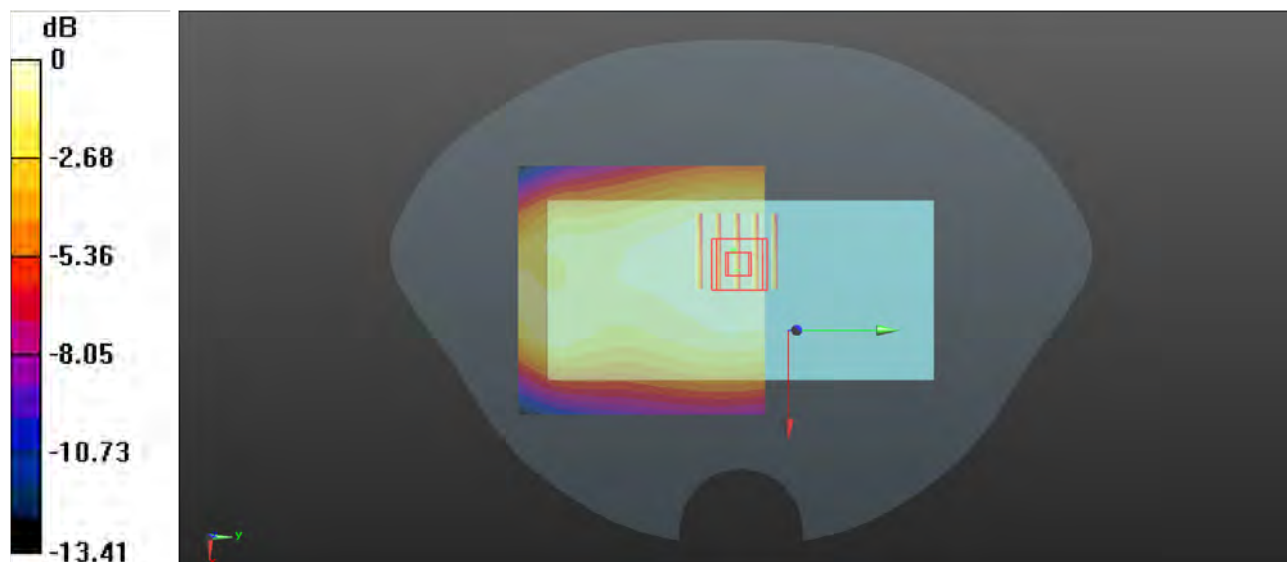
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.52 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 0.346 W/kg



0 dB = 0.346 W/kg

P85 N25_QPSK20M SCS15KHz_Left Side_1.5cm_Ch376500_50RB_OS28_Ant5

Communication System: NR; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: HSL1900_0922 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.432$ S/m; $\epsilon_r = 39.601$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.26, 8.26, 8.26) @ 1882.5 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (31x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.892 W/kg

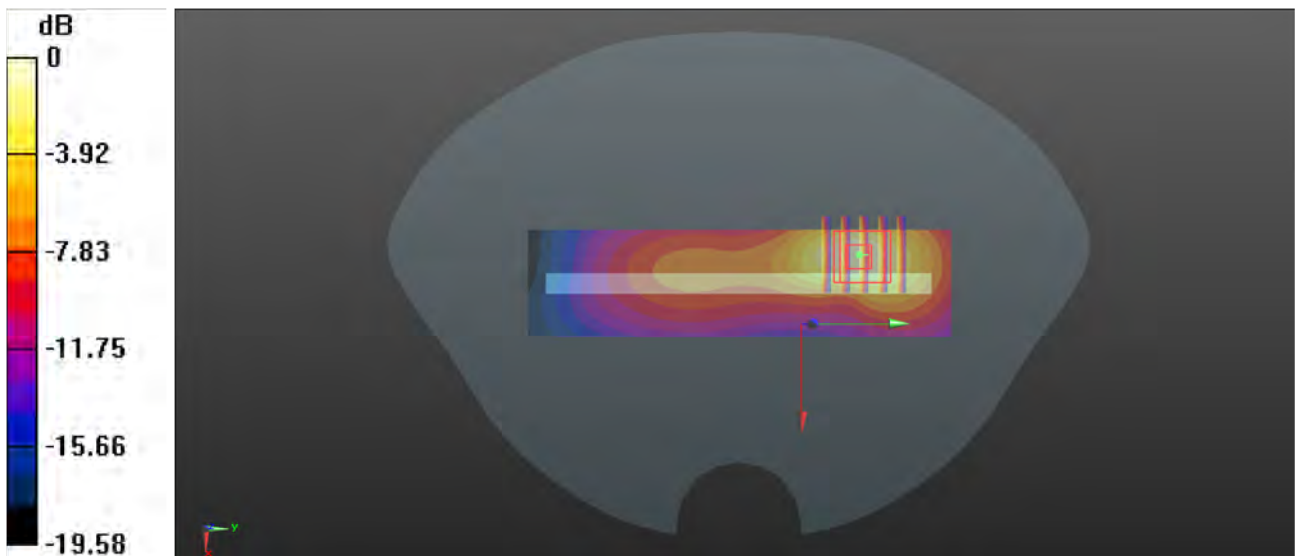
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.51 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 0.857 W/kg



0 dB = 0.857 W/kg

P86 N38_QPSK20M SCS30KHz_Rear Face_1cm_Ch516000_25RB_OS13_Ant5

Communication System: NR; Frequency: 2580 MHz; Duty Cycle: 1:1

Medium: HSL2600_0925 Medium parameters used: $f = 2580$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2580 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.26 W/kg

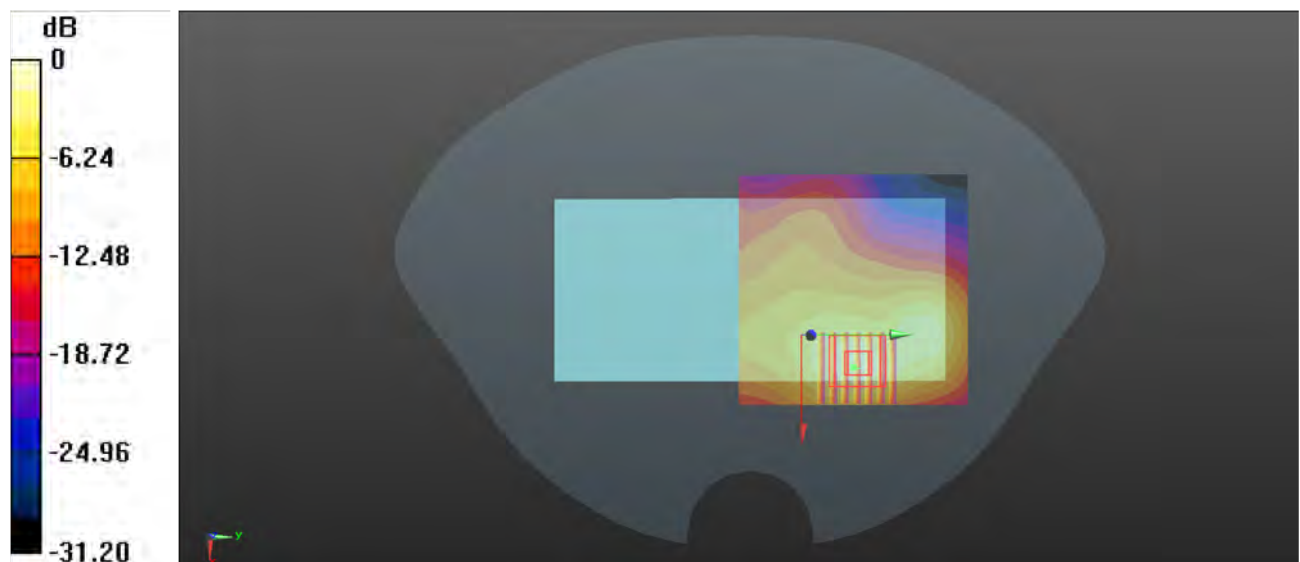
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.443 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg

P87 N41_QPSK100M SCS30KHz_Left Side_1cm_Ch509202_135RB_OS69_Ant5

Communication System: NR; Frequency: 2546.01 MHz; Duty Cycle: 1:1

Medium: HSL2600_0926 Medium parameters used: $f = 2546.01$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 39.093$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0°C; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(7.69, 7.69, 7.69) @ 2546.01 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.900 W/kg

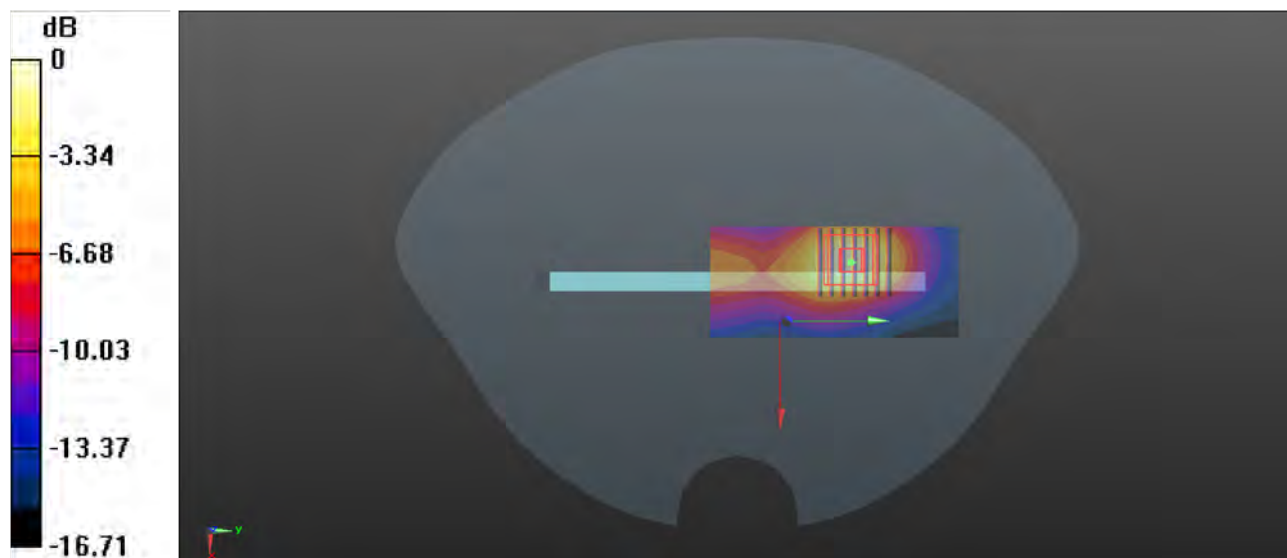
-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.37 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.863 W/kg



0 dB = 0.863 W/kg

P88 N48_QPSK40M SCS30KHz_Rear Face_1cm_Ch641666_50RB_OS28_Ant6

Communication System: NR; Frequency: 3624.99 MHz; Duty Cycle: 1:1

Medium: HSL3700_1026 Medium parameters used: $f = 3625$ MHz; $\sigma = 2.999$ S/m; $\epsilon_r = 38.475$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(6.82, 6.82, 6.82) @ 3624.99 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.648 W/kg

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

Reference Value = 5.967 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.658 W/kg



0 dB = 0.658 W/kg

P89 N66_QPSK40M SCS15KHz_Left Side_1.5cm_Ch346000_1RB_OS108_Ant5

Communication System: NR; Frequency: 1730 MHz; Duty Cycle: 1:1

Medium: HSL1750_0921 Medium parameters used: $f = 1730$ MHz; $\sigma = 1.404$ S/m; $\epsilon_r = 39.88$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(8.53, 8.53, 8.53) @ 1730 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (31x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.724 W/kg

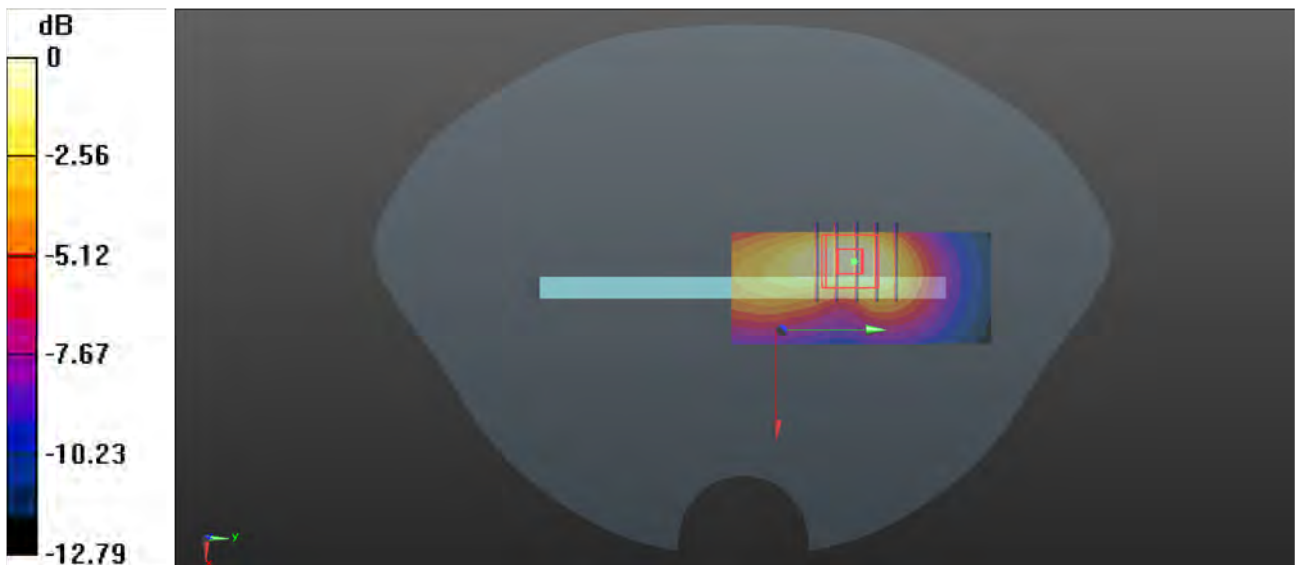
-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.35 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.850 W/kg

SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.695 W/kg



0 dB = 0.695 W/kg

P90 N71_QPSK20M SCS15KHz_Front Face_1cm_Ch134600_50RB_OS28_Ant0

Communication System: NR; Frequency: 673 MHz; Duty Cycle: 1:1

Medium: HSL750_0920 Medium parameters used: $f = 673$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 42.614$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3985; ConvF(10.15, 10.15, 10.15) @ 673 MHz; Calibrated: 2023/07/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn755; Calibrated: 2023/03/23
- Phantom: SAM (Right) with CRP V5.0; Type: QD000P40CD; Serial: TP:1611
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x71x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.275 W/kg

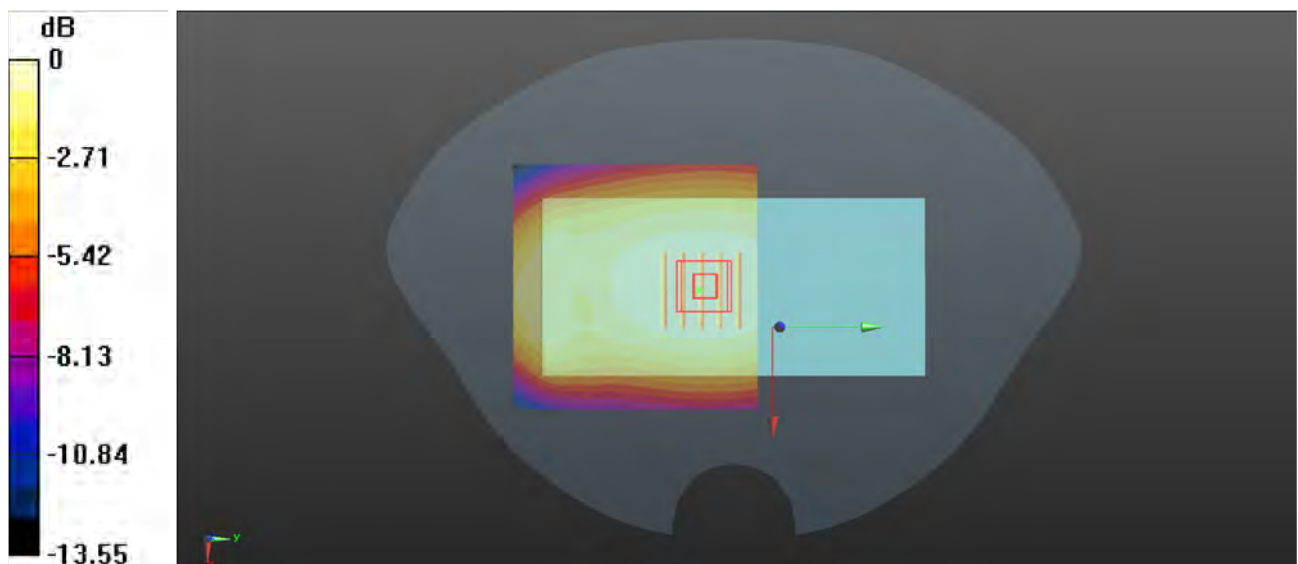
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.54 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg