16.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Sample	Headset	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																				
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 2	1	-	DSI 3	23095	707.5	22.97	24.00	1.268	-0.12	0.147	0.186
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 2	1	-	DSI 3	23095	707.5	22.81	24.00	1.315	0.08	0.115	0.151
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 2	1	-	DSI 3	23095	707.5	22.97	24.00	1.268	0.04	0.273	0.346
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 2	2	-	DSI 3	23095	707.5	22.97	24.00	1.268	0.03	0.201	0.255
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 2	1	-	DSI 3	23095	707.5	22.81	24.00	1.315	0.15	0.228	0.300
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 1	1	-	DSI 3	23095	707.5	22.96	24.00	1.271	0.06	0.267	0.339
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 1	1	-	DSI 3	23095	707.5	21.96	23.00	1.271	-0.15	0.214	0.272
46	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	23095	707.5	22.96	24.00	1.271	-0.05	0.411	**0.522**
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 1	1	-	DSI 3	23095	707.5	21.96	23.00	1.271	-0.17	0.335	0.426
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 1	1	-	DSI 3	23230	782	22.77	24.00	1.327	0.08	0.396	0.526
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 1	1	-	DSI 3	23230	782	21.73	23.00	1.340	0.01	0.307	0.411
47	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	23230	782	22.77	24.00	1.327	-0.01	0.588	**0.781**
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	2	-	DSI 3	23230	782	22.77	24.00	1.327	0.06	0.447	0.593
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 1	1	-	DSI 3	23230	782	21.73	23.00	1.340	0.01	0.367	0.492
835MHz																				
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 1	1	-	DSI 3	189	836.4	29.77	30.70	1.239	0.05	0.594	0.736
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3	189	836.4	29.77	30.70	1.239	0.17	0.878	1.088
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3	128	824.2	29.74	30.70	1.247	-0.11	0.790	0.985
48	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3	251	848.8	29.55	30.70	1.303	-0.01	0.971	**1.265**
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 1	2	-	DSI 3	251	848.8	29.55	30.70	1.303	0.06	0.676	0.881
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 1	1	Headset	DSI 3	251	848.8	29.55	30.70	1.303	0.05	0.811	1.057
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	189	836.4	27.59	28.70	1.291	0.16	0.431	0.557
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	251	848.8	27.26	28.70	1.393	-0.01	0.705	0.982
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	10mm	Ant 1	1	-	DSI 4	189	836.4	30.51	32.00	1.409	0.09	0.608	0.857
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	10mm	Ant 1	1	-	DSI 4	128	824.2	30.18	32.00	1.521	0.09	0.521	0.792
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Front	10mm	Ant 1	1	-	DSI 4	251	848.8	30.20	32.00	1.514	0.09	0.449	0.680
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	19mm	Ant 1	1	-	DSI 4	251	848.8	30.20	32.00	1.514	0.18	0.489	0.740
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	1	-	DSI 3	4182	836.4	23.03	24.00	1.250	0.08	0.584	0.730
49	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	4182	836.4	23.03	24.00	1.250	0.11	0.908	**1.135**
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	4132	826.4	22.99	24.00	1.262	0.05	0.634	0.800
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	4233	846.6	22.95	24.00	1.274	0.06	0.808	1.029
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	4182	836.4	22.71	23.40	1.172	0.07	0.458	0.537
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	4182	836.4	22.71	23.40	1.172	0.14	0.711	0.833
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	1	-	DSI 4	4182	836.4	23.03	24.00	1.250	-0.05	0.323	0.404
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	19mm	Ant 1	1	-	DSI 4	4182	836.4	23.03	24.00	1.250	-0.04	0.253	0.316
	LTE Band 5	10M	QPSK	1	0	-	Front	5mm	Ant 2	1	-	DSI 3	20525	836.5	23.43	24.00	1.140	-0.14	0.398	0.454
	LTE Band 5	10M	QPSK	25	0	-	Front	5mm	Ant 2	1	-	DSI 3	20525	836.5	22.46	23.00	1.132	0.09	0.257	0.291
50	LTE Band 5	10M	QPSK	1	0	-	Back	5mm	Ant 2	1	-	DSI 3	20525	836.5	23.43	24.00	1.140	-0.01	0.639	**0.729**
	LTE Band 5	10M	QPSK	25	0	-	Back	5mm	Ant 2	1	-	DSI 3	20525	836.5	22.46	23.00	1.132	0.04	0.443	0.502
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 1	1	-	DSI 3	26865	831.5	22.86	24.00	1.300	0.06	0.431	0.560
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 1	1	-	DSI 3	26865	831.5	21.96	23.00	1.271	-0.12	0.286	0.363
51	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	26865	831.5	22.86	24.00	1.300	0.1	0.699	**0.909**
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 1	1	-	DSI 3	26865	831.5	21.96	23.00	1.271	0.15	0.425	0.540
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 1	1	-	DSI 3	26865	831.5	21.78	23.00	1.324	-0.03	0.428	0.567
	FR1 n5	20M	QPSK	1	1	DFT_SCS 15KHz	Front	5mm	Ant 2	1	-	DSI 3	167300	836.5	23.41	24.00	1.146	0.15	0.503	0.576
	FR1 n5	20M	QPSK	50	28	DFT_SCS 15KHz	Front	5mm	Ant 2	1	-	DSI 3	167300	836.5	23.38	24.00	1.153	0.04	0.491	0.566
52	FR1 n5	20M	QPSK	1	1	DFT_SCS 15KHz	Back	5mm	Ant 2	1	-	DSI 3	167300	836.5	23.41	24.00	1.146	-0.03	0.679	**0.778**
	FR1 n5	20M	QPSK	1	1	DFT_SCS 15KHz	Back	5mm	Ant 2	2	-	DSI 3	167300	836.5	23.41	24.00	1.146	0.06	0.310	0.355
	FR1 n5	20M	QPSK	50	28	DFT_SCS 15KHz	Back	5mm	Ant 2	1	-	DSI 3	167300	836.5	23.38	24.00	1.153	0.02	0.648	0.747
1750MHz																				

	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	1	-	DSI 3	1413	1732.6	20.36	21.50	1.300	-0.12	0.304	0.395
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	1413	1732.6	20.36	21.50	1.300	0.02	0.890	1.157
53	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	1312	1712.4	20.34	21.50	1.306	0.02	0.960	**1.254**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	1513	1752.6	20.28	21.50	1.324	-0.04	0.684	0.906
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	Headset	DSI 3	1312	1712.4	20.34	21.50	1.306	0.05	0.816	1.066
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	1413	1732.6	19.32	20.50	1.312	0.06	0.238	0.312
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	1312	1712.4	19.31	20.50	1.315	-0.03	0.752	0.989
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	1	-	DSI 4	1413	1732.6	22.79	24.00	1.321	0.08	0.486	0.642
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	19mm	Ant 1	1	-	DSI 4	1312	1712.4	22.79	24.00	1.321	-0.15	0.449	0.593
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	1	-	DSI 3	132322	1745	21.85	22.80	1.245	0.01	0.416	0.518
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	1	-	DSI 3	132322	1745	21.77	22.80	1.268	0.17	0.268	0.340
54	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	132322	1745	21.85	22.80	1.245	-0.06	1.01	**1.257**
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	2	-	DSI 3	132322	1745	21.85	22.80	1.245	0.03	0.985	1.226
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	132072	1720	21.76	22.80	1.271	0.05	0.947	1.203
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	132572	1770	21.73	22.80	1.279	0.14	0.961	1.229
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	1	-	DSI 3	132322	1745	21.77	22.80	1.268	0.08	0.671	0.851
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	1	-	DSI 3	132072	1720	21.76	22.80	1.271	0.01	0.566	0.719
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	1	-	DSI 3	132572	1770	21.74	22.80	1.276	0.08	0.581	0.742
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 1	1	-	DSI 3	132322	1745	21.77	22.80	1.268	-0.16	0.660	0.837
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	Headset	DSI 3	132322	1745	21.85	22.80	1.245	0.04	0.886	1.103
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	132322	1745	20.68	21.30	1.153	0.05	0.251	0.290
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	132322	1745	20.68	21.30	1.153	0.09	0.65	0.744
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	1	-	DSI 4	132322	1745	22.69	24.00	1.352	0.18	0.315	0.426
	LTE Band 66	20M	QPSK	1	0	-	Back	19mm	Ant 1	1	-	DSI 4	132322	1745	22.69	24.00	1.352	0.1	0.316	0.427
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	1	-	DSI 3	132322	1745	19.97	20.90	1.239	0.03	0.969	1.200
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	1	-	DSI 3	132072	1720	19.86	20.90	1.271	0.04	0.905	1.150
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	2	-	DSI 3	132572	1770	19.92	20.90	1.253	0.02	0.828	1.038
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	1	-	DSI 3	132572	1770	19.92	20.90	1.253	0.01	0.993	1.244
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 2	1	-	DSI 3	132322	1745	19.79	20.90	1.291	0.03	0.794	1.025
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 2	1	-	DSI 3	132072	1720	19.63	20.90	1.340	-0.01	0.730	0.978
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 2	1	-	DSI 3	132572	1770	19.66	20.90	1.330	0.02	0.826	1.099
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 2	1	-	DSI 3	132322	1745	19.60	20.90	1.349	-0.02	0.786	1.060
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 2	1	-	DSI 3	132322	1745	19.97	20.90	1.239	-0.05	0.849	1.052
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 2	1	-	DSI 3	132072	1720	19.86	20.90	1.271	-0.12	0.742	0.943
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 2	1	-	DSI 3	132572	1770	19.92	20.90	1.253	0.06	0.710	0.890
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 2	1	-	DSI 3	132322	1745	19.79	20.90	1.291	0.09	0.686	0.886
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 2	1	-	DSI 3	132072	1720	19.63	20.90	1.340	0.16	0.654	0.876
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 2	1	-	DSI 3	132572	1770	19.66	20.90	1.330	-0.08	0.778	1.035
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 2	1	-	DSI 3	132322	1745	19.60	20.90	1.349	0.06	0.626	0.844
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	1	Headset	DSI 3	132572	1770	19.92	20.90	1.253	0.07	0.823	1.031
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 2	1	-	DSI 3 Simultaneous	132572	1770	17.91	18.90	1.256	-0.17	0.666	0.837
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 2	1	-	DSI 3 Simultaneous	132322	1745	18.05	18.90	1.216	-0.14	0.570	0.693
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 2	1	-	DSI 4	132572	1770	22.49	24.00	1.416	0.11	0.484	0.685
	LTE Band 66	20M	QPSK	1	0	-	Back	19mm	Ant 2	1	-	DSI 4	132322	1745	22.87	24.00	1.297	-0.15	0.315	0.409
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Front	5mm	Ant 1	1	-	DSI 3	349000	1745	19.75	21.10	1.365	0.19	0.246	0.336
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Front	5mm	Ant 1	1	-	DSI 3	349000	1745	19.74	21.10	1.368	-0.05	0.176	0.241
55	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	5mm	Ant 1	1	-	DSI 3	349000	1745	19.75	21.10	1.365	0.04	0.908	**1.239**
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	5mm	Ant 1	1	-	DSI 3	346000	1730	19.69	21.10	1.384	0.05	0.883	1.222
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	5mm	Ant 1	1	-	DSI 3	352000	1760	19.71	21.10	1.377	-0.01	0.809	1.114
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Back	5mm	Ant 1	1	-	DSI 3	349000	1745	19.74	21.10	1.368	0.07	0.560	0.766
	FR1 n66	40M	QPSK	216	0	DFT_SCS 15KHz	Back	5mm	Ant 1	1	-	DSI 3	349000	1745	19.68	21.10	1.387	-0.11	0.543	0.753
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	5mm	Ant 1	1	Headset	DSI 3	349000	1745	19.75	21.10	1.365	0.09	0.811	1.107
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	349000	1745	18.97	20.10	1.297	0.09	0.200	0.259
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	349000	1745	18.97	20.10	1.297	0.06	0.737	0.956

	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Front	10mm	Ant 1	1	-	DSI 4	349000	1745	23.28	24.00	1.180	0.07	0.353	0.417
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	19mm	Ant 1	1	-	DSI 4	349000	1745	23.28	24.00	1.180	0.05	0.332	0.392
1900MHz																				
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 1	1	-	DSI 3	661	1880	23.41	24.40	1.256	-0.03	0.274	0.344
56	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3	661	1880	23.41	24.40	1.256	-0.03	0.992	**1.246**
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	2	-	DSI 3	661	1880	23.41	24.40	1.256	0.03	0.524	0.658
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3	512	1850.2	23.40	24.40	1.259	0.05	0.804	1.012
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3	810	1909.8	23.38	24.40	1.265	0.02	0.487	0.616
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	1	Headset	DSI 3	661	1880	23.41	24.40	1.256	0.06	0.828	1.040
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	661	1880	22.35	22.90	1.135	0.07	0.214	0.243
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	661	1880	22.35	22.90	1.135	0.03	0.777	0.882
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	10mm	Ant 1	1	-	DSI 4	661	1880	25.17	26.50	1.358	0.06	0.266	0.361
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	19mm	Ant 1	1	-	DSI 4	661	1880	25.17	26.50	1.358	0.01	0.161	0.219
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	1	-	DSI 3	9400	1880	21.15	21.70	1.135	0.04	0.523	0.594
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	9400	1880	21.15	21.70	1.135	-0.13	1.060	1.203
57	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	9262	1852.4	21.10	21.70	1.148	-0.17	1.08	**1.240**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3	9538	1907.6	21.12	21.70	1.143	0.06	0.774	0.885
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	Headset	DSI 3	9262	1852.4	21.10	21.70	1.148	-0.05	0.923	1.060
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	9400	1880	19.64	19.70	1.014	-0.03	0.384	0.389
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	9262	1852.4	19.35	19.70	1.084	-0.04	0.79	0.861
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	1	-	DSI 4	9400	1880	22.41	24.00	1.442	0.01	0.521	0.751
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	19mm	Ant 1	1	-	DSI 4	9262	1852.4	22.41	24.00	1.442	-0.16	0.363	0.523
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 1	1	-	DSI 3	18900	1880	20.61	21.90	1.346	-0.11	0.360	0.485
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 1	1	-	DSI 3	18900	1880	20.54	21.90	1.368	-0.12	0.277	0.379
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	18900	1880	20.61	21.90	1.346	0.05	0.642	0.864
58	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	18700	1860	20.58	21.90	1.355	0.07	0.914	**1.239**
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	-	DSI 3	19100	1900	20.41	21.90	1.409	-0.12	0.678	0.955
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	1	-	DSI 3	18900	1880	20.54	21.90	1.368	0.14	0.511	0.699
	LTE Band 2	20M	QPSK	100	0	-	Back	5mm	Ant 1	1	-	DSI 3	18900	1880	20.48	21.90	1.387	-0.12	0.345	0.478
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	1	Headset	DSI 3	18700	1860	20.58	21.90	1.355	0.03	0.883	1.197
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	18900	1880	19.85	20.90	1.274	0.12	0.293	0.373
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	18700	1860	19.66	20.90	1.330	0.08	0.550	0.732
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 1	1	-	DSI 4	18900	1880	22.50	24.00	1.413	-0.05	0.507	0.716
	LTE Band 2	20M	QPSK	1	0	-	Back	19mm	Ant 1	1	-	DSI 4	18700	1860	22.50	24.00	1.413	-0.07	0.300	0.424

Plot No.	Band	BW (MHz)	Modulation	Mode	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Sample	Headset	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2600MHz																						
	LTE Band 7	20M	QPSK	-	1	0	Front	5mm	Ant 1	1	-	DSI 3	21100	2535	19.87	20.50	1.156	-	-	0.02	0.597	0.690
	LTE Band 7	20M	QPSK	-	50	0	Front	5mm	Ant 1	1	-	DSI 3	21100	2535	19.86	20.50	1.159	-	-	-0.11	0.390	0.452
59	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	21100	2535	19.87	20.50	1.156	-	-	-0.01	1.08	**1.249**
	LTE Band 7C	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	21100+ 20902	2535+ 2515.2	19.67	20.50	1.211	-	-	0.07	0.911	1.103
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 1	2	-	DSI 3	21100	2535	19.87	20.50	1.156	-	-	0.03	0.791	0.914
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	20850	2510	19.81	20.50	1.172	-	-	0.02	1.02	1.196
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	21350	2560	19.84	20.50	1.164	-	-	-0.13	0.816	0.950
	LTE Band 7	20M	QPSK	-	50	0	Back	5mm	Ant 1	1	-	DSI 3	21100	2535	19.86	20.50	1.159	-	-	-0.04	0.631	0.731
	LTE Band 7	20M	QPSK	-	100	0	Back	5mm	Ant 1	1	-	DSI 3	21100	2535	19.69	20.50	1.205	-	-	0.13	0.597	0.719
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	Headset	DSI 3	21100	2535	19.87	20.50	1.156	-	-	0.03	0.912	1.054
	LTE Band 7	20M	QPSK	-	1	0	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	21100	2535	16.87	17.50	1.156	-	-	-0.12	0.280	0.324
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	21100	2535	16.95	17.50	1.135	-	-	-0.08	0.48	0.549
	LTE Band 7	20M	QPSK	-	1	0	Front	10mm	Ant 1	1	-	DSI 4	21100	2535	22.85	24.00	1.303	-	-	-0.1	0.701	0.914
	LTE Band 7	20M	QPSK	-	1	0	Back	19mm	Ant 1	1	-	DSI 4	21100	2535	22.85	24.00	1.303	-	-	0.16	0.416	0.542
	LTE Band 7	20M	QPSK	-	1	0	Front	5mm	Ant 2	1	-	DSI 3	21100	2535	17.49	18.40	1.233	-	-	-0.12	0.418	0.515
	LTE Band 7	20M	QPSK	-	50	0	Front	5mm	Ant 2	1	-	DSI 3	21100	2535	17.41	18.40	1.256	-	-	-0.07	0.401	0.504

	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	-	DSI 3	21100	2535	17.49	18.40	1.233	-	-	0.09	0.934	1.152
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	-	DSI 3	20850	2510	17.43	18.40	1.250	-	-	-0.09	0.987	1.234
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	-	DSI 3	21350	2560	17.46	18.40	1.242	-	-	0.05	0.949	1.178
	LTE Band 7	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3	21100	2535	17.41	18.40	1.256	-	-	-0.02	0.911	1.144
	LTE Band 7	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3	20850	2510	17.35	18.40	1.274	-	-	0.01	0.875	1.114
	LTE Band 7	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3	21350	2560	17.26	18.40	1.300	-	-	0.08	0.921	1.197
	LTE Band 7	20M	QPSK	-	100	0	Back	5mm	Ant 2	1	-	DSI 3	21100	2535	17.37	18.40	1.268	-	-	-0.18	0.909	1.152
	LTE Band 7	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	Headset	DSI 3	20850	2510	17.43	18.40	1.250	-	-	0.06	0.933	1.166
	LTE Band 7	20M	QPSK	-	1	0	Front	5mm	Ant 2	1	-	DSI 3 Simultaneous	21100	2535	14.95	15.90	1.245	-	-	0.09	0.217	0.270
	LTE Band 7	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3 Simultaneous	20850	2510	14.85	15.90	1.274	-	-	-0.02	0.491	0.625
	LTE Band 7	20M	QPSK	-	1	0	Front	10mm	Ant 2	1	-	DSI 4	21100	2535	22.84	24.00	1.306	-	-	0.14	0.605	0.790
	LTE Band 7	20M	QPSK	-	1	0	Back	19mm	Ant 2	1	-	DSI 4	20850	2510	22.83	24.00	1.309	-	-	0.05	0.368	0.482
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Front	5mm	Ant 2	1	-	DSI 3	507000	2535	18.21	18.80	1.146	-	-	0.02	0.344	0.394
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Front	5mm	Ant 2	1	-	DSI 3	507000	2535	18.16	18.80	1.159	-	-	-0.14	0.347	0.402
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 2	1	-	DSI 3	507000	2535	18.21	18.80	1.146	-	-	0.1	0.726	0.832
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 2	1	-	DSI 3	505000	2525	18.16	18.80	1.159	-	-	0.06	0.859	0.995
60	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 2	1	-	DSI 3	509000	2545	18.18	18.80	1.153	-	-	0.02	1.08	**1.246**
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Back	5mm	Ant 2	1	-	DSI 3	507000	2535	18.16	18.80	1.159	-	-	0.03	0.693	0.803
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Back	5mm	Ant 2	1	-	DSI 3	505000	2525	18.07	18.80	1.183	-	-	0.04	0.861	1.019
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Back	5mm	Ant 2	1	-	DSI 3	509000	2545	18.12	18.80	1.169	-	-	0.07	0.999	1.168
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	270	0	Back	5mm	Ant 2	1	-	DSI 3	507000	2535	18.13	18.80	1.167	-	-	0.03	0.371	0.433
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 2	1	Headset	DSI 3	509000	2545	18.18	18.80	1.153	-	-	0.09	0.911	1.051
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Front	5mm	Ant 2	1	-	DSI 3 Simultaneous	507000	2535	17.16	17.80	1.159	-	-	0.19	0.239	0.277
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 2	1	-	DSI 3 Simultaneous	509000	2545	17.18	17.80	1.153	-	-	0.02	0.74	0.858
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Front	10mm	Ant 2	1	-	DSI 4	507000	2535	22.85	24.00	1.303	-	-	-0.06	0.701	0.914
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	19mm	Ant 2	1	-	DSI 4	509000	2545	22.78	24.00	1.324	-	-	0.05	0.286	0.379
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Front	5mm	Ant 1	1	-	DSI 3	507000	2535	20.34	21.40	1.276	-	-	0.08	0.431	0.550
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Front	5mm	Ant 1	1	-	DSI 3	507000	2535	20.31	21.40	1.285	-	-	-0.09	0.365	0.469
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 1	1	-	DSI 3	507000	2535	20.34	21.40	1.276	-	-	-0.01	0.970	1.238
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 1	1	-	DSI 3	505000	2525	20.21	21.40	1.315	-	-	0.06	0.929	1.222
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 1	1	-	DSI 3	509000	2545	20.07	21.40	1.358	-	-	0.07	0.892	1.212
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Back	5mm	Ant 1	1	-	DSI 3	507000	2535	20.31	21.40	1.285	-	-	0.03	0.761	0.978
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Back	5mm	Ant 1	1	-	DSI 3	505000	2525	20.25	21.40	1.303	-	-	0.05	0.755	0.984
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Back	5mm	Ant 1	1	-	DSI 3	509000	2545	20.11	21.40	1.346	-	-	0.08	0.691	0.930
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	270	0	Back	5mm	Ant 1	1	-	DSI 3	507000	2535	20.28	21.40	1.294	-	-	0.01	0.741	0.959
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	5mm	Ant 1	1	Headset	DSI 3	507000	2535	20.34	21.40	1.276	-	-	0.08	0.826	1.054
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	507000	2535	17.25	18.40	1.303	-	-	0.08	0.212	0.276
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	135	68	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	507000	2535	17.20	18.40	1.318	-	-	0.02	0.474	0.625
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Front	10mm	Ant 1	1	-	DSI 4	507000	2535	22.85	24.00	1.303	-	-	0.06	0.382	0.498
	FR1 n7	50M	QPSK	DFT_SCS 15KHz	1	1	Back	19mm	Ant 1	1	-	DSI 4	507000	2535	22.85	24.00	1.303	-	-	-0.05	0.324	0.422
	LTE Band 41	20M	QPSK	-	1	0	Front	5mm	Ant 1	1	-	DSI 3	40400	2571	21.84	23.20	1.368	62.9	1.006	-0.06	0.496	0.682
	LTE Band 41	20M	QPSK	-	1	0	Front	5mm	Ant 1	1	-	DSI 3	40140	2545	21.61	23.20	1.442	62.9	1.006	0.02	0.448	0.650
	LTE Band 41	20M	QPSK	-	1	0	Front	5mm	Ant 1	1	-	DSI 3	40670	2598	21.81	23.20	1.377	62.9	1.006	0.07	0.512	0.709
	LTE Band 41	20M	QPSK	-	1	0	Front	5mm	Ant 1	1	-	DSI 3	41140	2645	21.73	23.20	1.403	62.9	1.006	0.07	0.528	0.745
	LTE Band 41	20M	QPSK	-	50	0	Front	5mm	Ant 1	1	-	DSI 3	40400	2571	21.71	23.00	1.346	62.9	1.006	0.06	0.304	0.412
	LTE Band 41	20M	QPSK	-	100	0	Front	5mm	Ant 1	1	-	DSI 3	40400	2571	21.62	23.00	1.374	62.9	1.006	0.06	0.419	0.579
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	40400	2571	21.84	23.20	1.368	62.9	1.006	-0.08	0.906	1.247
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	40140	2545	21.61	23.20	1.442	62.9	1.006	0.05	0.839	1.217
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	40670	2598	21.81	23.20	1.377	62.9	1.006	0.01	0.645	0.894
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3	41140	2645	21.73	23.20	1.403	62.9	1.006	0.07	0.673	0.950
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 1	1	-	DSI 3	40400	2571	21.71	23.00	1.346	62.9	1.006	0.06	0.566	0.766
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 1	1	-	DSI 3	40140	2545	21.54	23.00	1.400	62.9	1.006	0.09	0.512	0.721
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 1	1	-	DSI 3	40670	2598	21.56	23.00	1.393	62.9	1.006	0.04	0.394	0.552
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 1	1	-	DSI 3	41140	2645	21.56	23.00	1.393	62.9	1.006	0.07	0.411	0.576
	LTE Band 41	20M	QPSK	-	100	0	Back	5mm	Ant 1	1	-	DSI 3	40400	2571	21.62	23.00	1.374	62.9	1.006	-0.17	0.412	0.570
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	Headset	DSI 3	40400	2571	21.84	23.20	1.368	62.9	1.006	0.08	0.796	1.095

	LTE Band 41	20M	QPSK	-	1	0	Front	5mm	Ant 1	1	-	DSI 3 Simultaneous	41140	2645	19.04	20.20	1.306	62.9	1.006	0.07	0.248	0.326
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 1	1	-	DSI 3 Simultaneous	40400	2571	19.04	20.20	1.306	62.9	1.006	0.04	0.456	0.599
	LTE Band 41	20M	QPSK	-	1	0	Front	10mm	Ant 1	1	-	DSI 4	41140	2645	22.92	24.00	1.282	62.9	1.006	-0.18	0.470	0.606
	LTE Band 41	20M	QPSK	-	1	0	Back	19mm	Ant 1	1	-	DSI 4	40400	2571	23.29	24.00	1.178	62.9	1.006	0.12	0.173	0.205
	LTE Band 41	20M	QPSK	-	1	0	Front	5mm	Ant 2	1	-	DSI 3	40400	2571	20.51	21.10	1.146	62.9	1.006	0.11	0.374	0.431
	LTE Band 41	20M	QPSK	-	50	0	Front	5mm	Ant 2	1	-	DSI 3	40400	2571	20.41	21.10	1.172	62.9	1.006	-0.05	0.351	0.414
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	-	DSI 3	40400	2571	20.51	21.10	1.146	62.9	1.006	0.16	0.905	1.043
61	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	-	DSI 3	40140	2545	20.49	21.10	1.151	62.9	1.006	0.02	1.09	**1.262**
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 2	2	-	DSI 3	40140	2545	20.49	21.10	1.151	62.9	1.006	0.03	0.885	1.025
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	-	DSI 3	40670	2598	20.45	21.10	1.161	62.9	1.006	0.05	0.800	0.935
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	-	DSI 3	41140	2645	20.44	21.10	1.164	62.9	1.006	0.01	0.801	0.938
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3	40400	2571	20.41	21.10	1.172	62.9	1.006	-0.16	0.912	1.075
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3	40140	2545	20.39	21.10	1.178	62.9	1.006	0.01	0.855	1.013
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3	40670	2598	20.40	21.10	1.175	62.9	1.006	0.07	0.821	0.970
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3	41140	2645	20.39	21.10	1.178	62.9	1.006	0.01	0.811	0.961
	LTE Band 41	20M	QPSK	-	100	0	Back	5mm	Ant 2	1	-	DSI 3	40400	2571	20.45	21.10	1.161	62.9	1.006	0.01	0.849	0.992
	LTE Band 41	20M	QPSK	-	1	0	Back	5mm	Ant 2	1	Headset	DSI 3	40140	2545	20.49	21.10	1.151	62.9	1.006	0.11	0.934	1.081
	LTE Band 41	20M	QPSK	-	50	0	Front	5mm	Ant 2	1	-	DSI 3 Simultaneous	40400	2571	18.46	19.10	1.159	62.9	1.006	0.05	0.251	0.293
	LTE Band 41	20M	QPSK	-	50	0	Back	5mm	Ant 2	1	-	DSI 3 Simultaneous	40140	2545	18.46	19.10	1.159	62.9	1.006	0.04	0.611	0.712
	LTE Band 41	20M	QPSK	-	1	0	Front	10mm	Ant 2	1	-	DSI 4	40400	2571	23.47	24.00	1.130	62.9	1.006	-0.09	0.659	0.749
	LTE Band 41	20M	QPSK	-	1	0	Back	19mm	Ant 2	1	-	DSI 4	40140	2545	23.44	24.00	1.138	62.9	1.006	0.15	0.288	0.330
3500MHz~3900MHz																						
	LTE Band 42	20M	QPSK	-	1	0	Front	5mm	Ant 4	1	-	DSI 3	42590	3500	18.30	19.50	1.318	62.9	1.006	0.03	0.141	0.187
	LTE Band 42	20M	QPSK	-	50	0	Front	5mm	Ant 4	1	-	DSI 3	42590	3500	18.19	19.50	1.352	62.9	1.006	0.09	0.109	0.148
62	LTE Band 42	20M	QPSK	-	1	0	Back	5mm	Ant 4	1	-	DSI 3	42590	3500	18.30	19.50	1.318	62.9	1.006	-0.07	0.941	**1.248**
	LTE Band 42	20M	QPSK	-	1	0	Back	5mm	Ant 4	2	-	DSI 3	42590	3500	18.30	19.50	1.318	62.9	1.006	0.06	0.602	0.798
	LTE Band 42	20M	QPSK	-	1	0	Back	5mm	Ant 4	1	-	DSI 3	42190	3460	18.07	19.50	1.390	62.9	1.006	-0.09	0.838	1.172
	LTE Band 42	20M	QPSK	-	1	0	Back	5mm	Ant 4	1	-	DSI 3	42990	3540	18.23	19.50	1.340	62.9	1.006	-0.07	0.851	1.147
	LTE Band 42	20M	QPSK	-	50	0	Back	5mm	Ant 4	1	-	DSI 3	42590	3500	18.19	19.50	1.352	62.9	1.006	-0.16	0.734	0.998
	LTE Band 42	20M	QPSK	-	50	0	Back	5mm	Ant 4	1	-	DSI 3	42190	3460	18.08	19.50	1.387	62.9	1.006	0.01	0.711	0.992
	LTE Band 42	20M	QPSK	-	50	0	Back	5mm	Ant 4	1	-	DSI 3	42990	3540	18.16	19.50	1.361	62.9	1.006	0.08	0.689	0.944
	LTE Band 42	20M	QPSK	-	100	0	Back	5mm	Ant 4	1	-	DSI 3	42590	3500	18.09	19.50	1.384	62.9	1.006	-0.1	0.666	0.927
	LTE Band 42	20M	QPSK	-	1	0	Back	5mm	Ant 4	1	Headset	DSI 3	42590	3500	18.30	19.50	1.318	62.9	1.006	0.03	0.886	1.175
	LTE Band 42	20M	QPSK	-	1	0	Front	5mm	Ant 4	1	-	DSI 3 Simultaneous	42590	3500	17.63	18.50	1.222	62.9	1.006	-0.07	0.117	0.144
	LTE Band 42	20M	QPSK	-	1	0	Back	5mm	Ant 4	1	-	DSI 3 Simultaneous	42590	3500	17.63	18.50	1.222	62.9	1.006	-0.05	0.791	0.972
	LTE Band 42	20M	QPSK	-	1	0	Front	10mm	Ant 4	1	-	DSI 4	42590	3500	22.39	24.00	1.449	62.9	1.006	-0.14	0.183	0.267
	LTE Band 42	20M	QPSK	-	1	0	Back	19mm	Ant 4	1	-	DSI 4	42590	3500	22.39	24.00	1.449	62.9	1.006	0.05	0.239	0.348
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Front	5mm	Ant 4	1	-	DSI 3	656000	3840	17.78	18.90	1.294	-	-	0.08	0.148	0.192
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	135	69	Front	5mm	Ant 4	1	-	DSI 3	656000	3840	17.61	18.90	1.346	-	-	-0.02	0.121	0.163
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	5mm	Ant 4	1	-	DSI 3	656000	3840	17.78	18.90	1.294	-	-	0.05	0.608	0.787
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	5mm	Ant 4	2	-	DSI 3	656000	3840	17.78	18.90	1.294	-	-	0.03	0.572	0.740
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	135	69	Back	5mm	Ant 4	1	-	DSI 3	656000	3840	17.61	18.90	1.346	-	-	-0.12	0.388	0.522
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	270	0	Back	5mm	Ant 4	1	-	DSI 3	656000	3840	17.48	18.90	1.387	-	-	0.05	0.381	0.528
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	5mm	Ant 4	1	Headset	DSI 3	656000	3840	17.78	18.90	1.294	-	-	0.07	0.588	0.761
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Front	5mm	Ant 4	1	-	DSI 3 Simultaneous	656000	3840	16.69	17.90	1.321	-	-	0.09	0.117	0.155
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	5mm	Ant 4	1	-	DSI 3 Simultaneous	656000	3840	16.69	17.90	1.321	-	-	0.06	0.483	0.638
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Front	10mm	Ant 4	1	-	DSI 4	656000	3840	23.40	24.00	1.148	-	-	-0.09	0.372	0.427
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	19mm	Ant 4	1	-	DSI 4	656000	3840	23.40	24.00	1.148	-	-	0.11	0.266	0.305
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Front	5mm	Ant 4	1	-	DSI 3	633334	3500.01	17.95	18.90	1.245	-	-	0.1	0.188	0.234
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	135	69	Front	5mm	Ant 4	1	-	DSI 3	633334	3500.01	17.45	18.90	1.396	-	-	0.01	0.177	0.247
63	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	5mm	Ant 4	1	-	DSI 3	633334	3500.01	17.95	18.90	1.245	-	-	-0.01	1.00	**1.245**
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	135	69	Back	5mm	Ant 4	1	-	DSI 3	633334	3500.01	17.45	18.90	1.396	-	-	0.04	0.856	1.195
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	270	0	Back	5mm	Ant 4	1	-	DSI 3	633334	3500.01	17.49	18.90	1.384	-	-	-0.04	0.838	1.159
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	5mm	Ant 4	1	Headset	DSI 3	633334	3500.01	17.95	18.90	1.245	-	-	0.06	0.911	1.134
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Front	5mm	Ant 4	1	-	DSI 3 Simultaneous	633334	3500.01	17.05	17.90	1.216	-	-	0.06	0.151	0.184

	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	5mm	Ant 4	1	-	DSI 3 Simultaneous	633334	3500.01	17.05	17.90	1.216	-	-	-0.04	0.800	0.977
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Front	10mm	Ant 4	1	-	DSI 4	633334	3500.01	22.71	24.00	1.346	-	-	0.02	0.132	0.178
	FR1 n77	100M	QPSK	DFT-SCS_30KHz	1	1	Back	19mm	Ant 4	1	-	DSI 4	633334	3500.01	22.71	24.00	1.346	-	-	-0.08	0.160	0.215

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Sample	Headset	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WLAN/Bluetooth																		
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	1	-	Full	6	2437	19.73	20.50	1.194	98.9	1.011	0.16	0.625	0.754
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	1	-	Full	6	2437	19.73	20.50	1.194	98.9	1.011	-0.12	0.748	0.90
64	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	1	-	Full	11	2462	19.41	20.50	1.285	98.9	1.011	-0.06	0.754	**0.980**
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	2	-	Full	11	2462	19.41	20.50	1.285	98.9	1.011	0.02	0.649	0.843
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	1	-	Simultaneous-Reduced	6	2437	15.09	16.50	1.384	98.9	1.011	0.03	0.213	0.298
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	1	-	Simultaneous-Reduced	11	2462	15.26	16.50	1.330	98.9	1.011	-0.06	0.257	0.346
65	Bluetooth	1Mbps	Back	5mm	Ant 3	1	-	Full	39	2441	11.87	13.00	1.297	76.98	1.299	0.06	0.078	**0.131**
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 3	1	-	Reduced	42	5210	12.87	14.50	1.454	89.64	1.116	0.05	0.298	0.483
66	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Reduced	42	5210	12.87	14.50	1.454	89.64	1.116	-0.06	0.711	**1.154**
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Simultaneous-Reduced	42	5210	9.33	10.50	1.309	89.64	1.116	0.02	0.214	0.313
	WLAN5.2GHz	802.11a 6Mbps	Front	10mm	Ant 3	1	-	Full	48	5240	18.34	19.50	1.306	97.49	1.026	0.05	0.379	0.508
	WLAN5.2GHz	802.11a 6Mbps	Back	19mm	Ant 3	1	-	Full	48	5240	18.34	19.50	1.306	97.49	1.026	0.09	0.478	0.641
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 3	1	-	Reduced	58	5290	12.86	14.50	1.459	89.64	1.116	0.06	0.272	0.443
67	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Reduced	58	5290	12.86	14.50	1.459	89.64	1.116	-0.06	0.722	**1.175**
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	2	-	Reduced	58	5290	12.86	14.50	1.459	89.64	1.116	0.07	0.677	1.102
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Simultaneous-Reduced	58	5290	8.98	10.50	1.419	89.64	1.116	0.05	0.242	0.383
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	Headset	Reduced	58	5290	12.86	14.50	1.459	89.64	1.116	0.11	0.688	1.120
	WLAN5.3GHz	802.11a 6Mbps	Front	10mm	Ant 3	1	-	Full	52	5260	18.09	19.50	1.383	97.49	1.026	0.04	0.334	0.474
	WLAN5.3GHz	802.11a 6Mbps	Back	19mm	Ant 3	1	-	Full	52	5260	18.09	19.50	1.383	97.49	1.026	0.08	0.538	0.764
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 3	1	-	Reduced	106	5530	13.53	14.50	1.249	89.64	1.116	0.03	0.468	0.652
68	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Reduced	106	5530	13.53	14.50	1.249	89.64	1.116	-0.02	0.818	**1.140**
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	2	-	Reduced	106	5530	13.53	14.50	1.249	89.64	1.116	0.08	0.803	1.119
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Reduced	138	5690	13.44	14.50	1.276	89.64	1.116	0.12	0.772	1.100
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Simultaneous-Reduced	138	5690	9.18	10.50	1.355	89.64	1.116	0.09	0.248	0.375
	WLAN5.5GHz	802.11a 6Mbps	Front	10mm	Ant 3	1	-	Full	132	5660	17.60	19.50	1.549	97.49	1.026	0.02	0.362	0.575
	WLAN5.5GHz	802.11a 6Mbps	Back	19mm	Ant 3	1	-	Full	132	5660	17.60	19.50	1.549	97.49	1.026	0.06	0.476	0.756
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 3	1	-	Reduced	155	5775	12.86	14.50	1.459	89.64	1.116	0.09	0.296	0.482
69	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Reduced	155	5775	12.86	14.50	1.459	89.64	1.116	-0.05	0.721	**1.174**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3	1	-	Simultaneous-Reduced	155	5775	8.37	9.50	1.297	89.64	1.116	0.07	0.269	0.389
	WLAN5.8GHz	802.11a 6Mbps	Front	10mm	Ant 3	1	-	Full	157	5785	17.93	19.50	1.435	97.49	1.026	0.05	0.450	0.663
	WLAN5.8GHz	802.11a 6Mbps	Back	19mm	Ant 3	1	-	Full	157	5785	17.93	19.50	1.435	97.49	1.026	0.03	0.483	0.711

16.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Sample	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
835MHz																			
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 1	1	DSI 6	189	836.4	30.51	32.00	1.409	-0.03	1.44	2.025
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 1	1	DSI 6	128	824.2	30.18	32.00	1.521	0.06	1.25	1.901
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant 1	1	DSI 6	251	848.8	30.20	32.00	1.514	0.11	1.20	1.816
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 1	1	DSI 6	189	836.4	30.51	32.00	1.409	0.06	1.47	2.077
70	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 1	1	DSI 6	128	824.2	30.18	32.00	1.521	-0.01	1.66	**2.524**
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 1	2	DSI 6	128	824.2	30.18	32.00	1.521	0.01	1.35	2.053
	GSM850	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 1	1	DSI 6	251	848.8	30.20	32.00	1.514	0.03	1.32	1.996
1750MHz																			
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6	1413	1732.6	22.81	23.50	1.172	0.11	2.39	2.802
71	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6	1312	1712.4	22.79	23.50	1.178	-0.11	2.55	**3.003**
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	2	DSI 6	1312	1712.4	22.79	23.50	1.178	0.05	1.92	2.261
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6	1513	1752.6	22.66	23.50	1.213	0.19	2.20	2.669
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	1	DSI 6	1413	1732.6	22.81	23.50	1.172	-0.13	2.10	2.462
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	1	DSI 6	1312	1712.4	22.79	23.50	1.178	0.16	2.16	2.544
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	1	DSI 6	1513	1752.6	22.66	23.50	1.213	0.06	1.78	2.160
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	18mm	Ant 1	1	DSI 4	1413	1732.6	22.81	24.00	1.315	0.05	0.321	0.422
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	18mm	Ant 1	1	DSI 4	1413	1732.6	22.81	24.00	1.315	0.03	0.301	0.396
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6 Simultaneous	1312	1712.4	22.26	23.00	1.186	-0.15	2.24	2.656
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	132322	1745	22.69	23.50	1.205	0.14	2.30	2.772
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	132072	1720	22.53	23.50	1.250	0.02	1.95	2.438
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	132572	1770	22.48	23.50	1.265	0.07	2.01	2.542
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	132322	1745	21.78	23.00	1.324	-0.02	1.84	2.437
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	132072	1720	21.71	23.00	1.346	0.06	1.85	2.490
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	132572	1770	21.58	23.00	1.387	0.07	1.83	2.538
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 1	1	DSI 6	132322	1745	21.73	23.00	1.340	0.08	1.90	2.545
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	132322	1745	22.69	23.50	1.205	-0.11	2.11	2.543
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	132072	1720	22.53	23.50	1.250	0.02	2.20	2.751
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	132572	1770	22.48	23.50	1.265	-0.11	1.85	2.340
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	132322	1745	21.78	23.00	1.324	0.06	1.84	2.437
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	132072	1720	21.71	23.00	1.346	0.02	1.76	2.369
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	132572	1770	21.58	23.00	1.387	-0.01	1.79	2.482
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	132322	1745	21.73	23.00	1.340	0.05	1.99	2.666
	LTE Band 66	20M	QPSK	1	0	-	Back	18mm	Ant 1	1	DSI 4	132322	1745	22.69	24.00	1.352	0.07	0.272	0.368
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	18mm	Ant 1	1	DSI 4	132322	1745	22.69	24.00	1.352	0.12	0.210	0.284
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6 Simultaneous	132322	1745	22.34	23.00	1.164	0.18	2.21	2.573
72	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	132322	1745	21.74	22.70	1.247	0.1	2.51	**3.131**
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	132072	1720	21.47	22.70	1.327	0.08	2.23	2.960
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	132572	1770	21.50	22.70	1.318	0.16	2.23	2.940
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 2	1	DSI 6	132322	1745	21.71	22.70	1.256	-0.17	1.95	2.449
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 2	1	DSI 6	132072	1720	21.63	22.70	1.279	-0.14	1.84	2.354
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 2	1	DSI 6	132572	1770	21.50	22.70	1.318	0.07	2.01	2.650
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 2	1	DSI 6	132322	1745	21.70	22.70	1.259	0.05	1.97	2.480
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	132322	1745	21.74	22.70	1.247	-0.07	2.15	2.682
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	132072	1720	21.47	22.70	1.327	0.02	2.10	2.788
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	132572	1770	21.50	22.70	1.318	0.12	1.90	2.505
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 2	1	DSI 6	132322	1745	21.71	22.70	1.256	0.03	1.70	2.135
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 2	1	DSI 6	132072	1720	21.63	22.70	1.279	-0.08	1.71	2.188
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 2	1	DSI 6	132572	1770	21.50	22.70	1.318	0.09	1.67	2.201
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 2	1	DSI 6	132322	1745	21.70	22.70	1.259	0.05	1.63	2.052
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	132322	1745	21.74	22.70	1.247	-0.18	2.14	2.669
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	132072	1720	21.47	22.70	1.327	-0.18	2.04	2.708
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	132572	1770	21.50	22.70	1.318	0.07	2.08	2.742

	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	132322	1745	21.71	22.70	1.256	0.16	1.74	2.185
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	132072	1720	21.63	22.70	1.279	0.02	1.67	2.137
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	132572	1770	21.50	22.70	1.318	0.13	1.82	2.399
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 2	1	DSI 6	132322	1745	21.70	22.70	1.259	-0.17	1.71	2.153
	LTE Band 66	20M	QPSK	1	0	-	Front	4mm	Ant 2	1	DSI 4	132322	1745	22.87	24.00	1.297	-0.12	1.21	1.570
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	1	DSI 4	132322	1745	22.87	24.00	1.297	-0.04	0.510	0.662
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	1	DSI 4	132322	1745	22.87	24.00	1.297	-0.06	0.770	0.999
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6 Simultaneous	132322	1745	21.39	22.20	1.205	0.02	2.290	2.760
73	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	349000	1745	22.49	23.50	1.262	0.07	2.42	**3.054**
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	346000	1730	22.42	23.50	1.282	-0.07	2.23	2.860
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	352000	1760	22.45	23.50	1.274	0.08	2.19	2.789
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	349000	1745	22.41	23.50	1.285	0.04	2.31	2.969
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	346000	1730	22.35	23.50	1.303	0.07	2.03	2.645
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	352000	1760	22.36	23.50	1.300	-0.08	2.09	2.717
	FR1 n66	40M	QPSK	216	0	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	349000	1745	21.15	23.00	1.531	0.13	1.84	2.817
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	349000	1745	22.49	23.50	1.262	0.06	2.02	2.549
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	346000	1730	22.42	23.50	1.282	0.01	1.77	2.270
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	352000	1760	22.45	23.50	1.274	-0.13	1.89	2.407
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	349000	1745	22.41	23.50	1.285	-0.06	1.81	2.326
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	346000	1730	22.35	23.50	1.303	0.01	1.56	2.033
	FR1 n66	40M	QPSK	108	54	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	352000	1760	22.36	23.50	1.300	-0.13	1.69	2.197
	FR1 n66	40M	QPSK	216	0	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	349000	1745	21.15	23.00	1.531	0.13	1.53	2.343
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	18mm	Ant 1	1	DSI 4	349000	1745	23.28	24.00	1.180	0.02	0.224	0.264
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Bottom Side	18mm	Ant 1	1	DSI 4	349000	1745	23.28	24.00	1.180	0.02	0.180	0.212
	FR1 n66	40M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6 Simultaneous	349000	1745	22.01	23.00	1.256	0.04	2.16	2.713
1900MHz																			
74	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	1	DSI 6	661	1880	23.96	25.30	1.361	0.08	2.31	**3.145**
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	2	DSI 6	661	1880	23.96	25.30	1.361	0.07	1.35	1.838
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	1	DSI 6	512	1850.2	23.87	25.30	1.390	0.01	1.99	2.766
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	1	DSI 6	810	1909.8	23.83	25.30	1.403	0.05	1.45	2.034
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 1	1	DSI 6	661	1880	23.96	25.30	1.361	0.05	2.27	3.090
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 1	1	DSI 6	512	1850.2	23.87	25.30	1.390	0.04	1.70	2.363
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 1	1	DSI 6	810	1909.8	23.83	25.30	1.403	-0.02	1.32	1.852
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	18mm	Ant 1	1	DSI 4	661	1880	25.17	26.50	1.358	-0.12	0.268	0.364
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	18mm	Ant 1	1	DSI 4	661	1880	25.17	26.50	1.358	-0.11	0.233	0.316
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 1	1	DSI 6 Simultaneous	661	1880	23.81	24.80	1.256	-0.01	2.07	2.600
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6	9400	1880	22.11	23.20	1.285	0.08	2.35	3.020
75	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6	9262	1852.4	22.09	23.20	1.291	-0.01	2.39	**3.086**
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6	9538	1907.6	22.07	23.20	1.297	-0.06	2.07	2.685
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	1	DSI 6	9400	1880	22.11	23.20	1.285	-0.11	2.12	2.725
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	1	DSI 6	9262	1852.4	22.09	23.20	1.291	0.04	2.01	2.595
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	1	DSI 6	9538	1907.6	22.07	23.20	1.297	-0.02	1.80	2.335
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	18mm	Ant 1	1	DSI 4	9400	1880	22.78	24.00	1.324	-0.07	0.208	0.275
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	18mm	Ant 1	1	DSI 4	9400	1880	22.78	24.00	1.324	-0.18	0.250	0.331
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	1	DSI 6 Simultaneous	9262	1852.4	21.63	22.70	1.279	0.18	2.18	2.789
	LTE Band 2	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	18900	1880	22.52	23.50	1.253	0.03	2.39	2.995
76	LTE Band 2	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	18700	1860	22.40	23.50	1.288	0.06	2.42	**3.118**
	LTE Band 2	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	19100	1900	22.42	23.50	1.282	0.04	1.95	2.501
	LTE Band 2	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	18900	1880	21.88	23.00	1.294	0.02	1.66	2.148
	LTE Band 2	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	18700	1860	21.76	23.00	1.330	0.16	2.02	2.688
	LTE Band 2	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	19100	1900	21.87	23.00	1.297	0.03	1.75	2.270
	LTE Band 2	20M	QPSK	100	0	-	Back	0mm	Ant 1	1	DSI 6	18900	1880	22.04	23.00	1.247	0.01	1.51	1.884
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	18900	1880	22.52	23.50	1.253	-0.09	2.04	2.556
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	18700	1860	22.40	23.50	1.288	0.07	2.11	2.718
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	19100	1900	22.42	23.50	1.282	0.15	1.78	2.283
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	18900	1880	21.88	23.00	1.294	0.12	1.27	1.644
	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	18900	1880	22.04	23.00	1.247	-0.02	1.31	1.634

	LTE Band 2	20M	QPSK	1	0	-	Back	18mm	Ant 1	1	DSI 4	18900	1880	22.88	24.00	1.294	-0.17	0.204	0.264
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	18mm	Ant 1	1	DSI 4	18900	1880	22.88	24.00	1.294	0.07	0.243	0.314
	LTE Band 2	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6 Simultaneous	18700	1860	21.89	23.00	1.291	0.02	2.11	2.724

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Sample	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	1	DSI 6	21100	2535	22.85	24.00	1.303	-	-	0.02	1.87	2.437
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	1	DSI 6	20850	2510	22.77	24.00	1.327	-	-	0.13	1.75	2.323
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	1	DSI 6	21350	2560	22.69	24.00	1.352	-	-	0.17	1.79	2.420
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	1	DSI 6	21100	2535	21.92	23.00	1.282	-	-	-0.1	1.23	1.577
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 1	1	DSI 6	21100	2535	21.88	23.00	1.294	-	-	0.06	1.23	1.592
77	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	21100	2535	22.85	24.00	1.303	-	-	0.09	2.51	**3.271**
	LTE Band 7C	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	21100+ 20902	2535+ 2515.2	22.77	24.00	1.327	-	-	0.08	2.23	2.960
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	20850	2510	22.77	24.00	1.327	-	-	0.14	2.35	3.119
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	21350	2560	22.69	24.00	1.352	-	-	0.04	2.39	3.231
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	21100	2535	21.92	23.00	1.282	-	-	-0.1	1.64	2.103
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	20850	2510	21.82	23.00	1.312	-	-	0.11	1.47	1.929
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	21350	2560	21.78	23.00	1.324	-	-	0.13	1.33	1.761
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 1	1	DSI 6	21100	2535	21.88	23.00	1.294	-	-	-0.13	1.55	2.006
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	21100	2535	22.85	24.00	1.303	-	-	-0.07	2.40	3.128
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	20850	2510	22.77	24.00	1.327	-	-	0.08	1.81	2.403
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	21350	2560	22.69	24.00	1.352	-	-	-0.1	1.75	2.366
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	21100	2535	21.92	23.00	1.282	-	-	0.07	1.59	2.039
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	20850	2510	21.82	23.00	1.312	-	-	0.01	1.39	1.824
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	21350	2560	21.78	23.00	1.324	-	-	0.05	1.35	1.788
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	21100	2535	21.88	23.00	1.294	-	-	0.07	1.07	1.385
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 1	1	DSI 4	21100	2535	22.85	24.00	1.303	-	-	-0.05	0.344	0.448
	LTE Band 7	20M	QPSK	1	0	-	Back	18mm	Ant 1	1	DSI 4	21100	2535	22.85	24.00	1.303	-	-	-0.15	0.273	0.356
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	18mm	Ant 1	1	DSI 4	21100	2535	22.85	24.00	1.303	-	-	0.07	0.446	0.581
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6 Simultaneous	21100	2535	22.29	23.30	1.262	-	-	-0.08	1.94	2.448
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	21100	2535	19.95	21.20	1.334	-	-	0.06	1.39	1.854
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 2	1	DSI 6	21100	2535	19.92	21.20	1.343	-	-	0.04	1.24	1.665
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	21100	2535	19.95	21.20	1.334	-	-	-0.07	1.69	2.254
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	20850	2510	19.89	21.20	1.352	-	-	0.05	1.56	2.109
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	21350	2560	19.83	21.20	1.371	-	-	0.02	1.56	2.139
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 2	1	DSI 6	21100	2535	19.92	21.20	1.343	-	-	0.03	1.39	1.866
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 2	1	DSI 6	21100	2535	19.81	21.20	1.377	-	-	0.03	1.37	1.887
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	1	DSI 6	21100	2535	19.95	21.20	1.334	-	-	0.03	1.12	1.494
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	1	DSI 6	21100	2535	19.92	21.20	1.343	-	-	-0.15	1.10	1.477
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	21100	2535	19.95	21.20	1.334	-	-	-0.1	2.35	3.134
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	20850	2510	19.89	21.20	1.352	-	-	-0.05	2.36	3.191
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	2	DSI 6	20850	2510	19.89	21.20	1.352	-	-	0.08	2.18	2.948
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	21350	2560	19.83	21.20	1.371	-	-	0.05	2.10	2.879
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	21100	2535	19.92	21.20	1.343	-	-	0.08	2.02	2.712
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	20850	2510	19.63	21.20	1.435	-	-	0.01	2.01	2.885
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	21350	2560	19.82	21.20	1.374	-	-	0.05	2.05	2.817
	LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 2	1	DSI 6	21100	2535	19.81	21.20	1.377	-	-	0.15	2.01	2.768
	LTE Band 7	20M	QPSK	1	0	-	Front	4mm	Ant 2	1	DSI 4	21100	2535	22.84	24.00	1.306	-	-	0.04	0.921	1.203
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	1	DSI 4	21100	2535	22.84	24.00	1.306	-	-	-0.05	0.461	0.602
	LTE Band 7	20M	QPSK	1	0	-	Left Side	4mm	Ant 2	1	DSI 4	21100	2535	22.84	24.00	1.306	-	-	0.03	0.780	1.019
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	1	DSI 4	21100	2535	22.84	24.00	1.306	-	-	-0.05	0.500	0.653
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6 Simultaneous	20850	2510	19.66	20.70	1.271	-	-	0.02	2.17	2.757
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	40400	2571	23.29	24.00	1.178	62.9	1.006	-0.01	1.40	1.659
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	40140	2545	23.09	24.00	1.233	62.9	1.006	-0.08	1.21	1.501

	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	40670	2598	23.03	24.00	1.250	62.9	1.006	-0.04	1.36	1.711
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	1	DSI 6	41140	2645	22.92	24.00	1.282	62.9	1.006	-0.05	1.32	1.703
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	1	DSI 6	40400	2571	22.37	23.00	1.156	62.9	1.006	0.08	0.821	0.955
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 1	1	DSI 6	40400	2571	22.23	23.00	1.194	62.9	1.006	0.03	0.837	1.005
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	40400	2571	23.29	24.00	1.178	62.9	1.006	0.03	1.13	1.339
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	1	DSI 6	40400	2571	22.37	23.00	1.156	62.9	1.006	-0.11	0.715	0.832
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	40400	2571	23.29	24.00	1.178	62.9	1.006	0.04	1.37	1.623
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	40140	2545	23.09	24.00	1.233	62.9	1.006	0.05	1.45	1.799
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	40670	2598	23.03	24.00	1.250	62.9	1.006	-0.07	1.28	1.610
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 2	1	DSI 6	41140	2645	22.92	24.00	1.282	62.9	1.006	0.04	0.987	1.273
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 2	1	DSI 6	40400	2571	22.37	23.00	1.156	62.9	1.006	-0.06	0.802	0.933
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant 2	1	DSI 6	40400	2571	22.23	23.00	1.194	62.9	1.006	-0.03	0.815	0.979
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	40400	2571	23.29	24.00	1.178	62.9	1.006	0.08	1.86	2.203
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	40140	2545	23.09	24.00	1.233	62.9	1.006	0.06	2.24	2.779
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	40670	2598	23.03	24.00	1.250	62.9	1.006	0.09	1.76	2.214
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	1	DSI 6	41140	2645	22.92	24.00	1.282	62.9	1.006	-0.17	1.44	1.858
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	1	DSI 6	40400	2571	22.37	23.00	1.156	62.9	1.006	0.11	1.12	1.303
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 2	1	DSI 6	40400	2571	22.23	23.00	1.194	62.9	1.006	0.07	1.19	1.429
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	1	DSI 6	40400	2571	23.29	24.00	1.178	62.9	1.006	0.08	1.12	1.327
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	1	DSI 6	40400	2571	22.37	23.00	1.156	62.9	1.006	-0.16	0.920	1.070
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	40400	2571	23.29	24.00	1.178	62.9	1.006	0.05	2.13	2.523
78	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	40140	2545	23.09	24.00	1.233	62.9	1.006	-0.04	2.45	**3.039**
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	40670	2598	23.03	24.00	1.250	62.9	1.006	-0.07	1.88	2.365
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6	41140	2645	22.92	24.00	1.282	62.9	1.006	0.03	1.47	1.896
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	40400	2571	22.37	23.00	1.156	62.9	1.006	-0.13	1.34	1.558
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	40140	2545	22.21	23.00	1.199	62.9	1.006	0.05	1.55	1.870
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	40670	2598	22.09	23.00	1.233	62.9	1.006	0.08	1.09	1.352
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 2	1	DSI 6	41140	2645	21.99	23.00	1.262	62.9	1.006	0.07	0.950	1.206
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 2	1	DSI 6	40400	2571	22.23	23.00	1.194	62.9	1.006	-0.01	0.970	1.165
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 2	1	DSI 6 Simultaneous	40140	2545	22.54	23.00	1.112	62.9	1.006	-0.01	1.94	2.170
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	507000	2535	22.85	24.00	1.303	-	-	0.04	1.12	1.460
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Back	0mm	Ant 1	1	DSI 6	507000	2535	22.58	24.00	1.387	-	-	0.07	1.05	1.456
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	507000	2535	22.85	24.00	1.303	-	-	-0.09	1.29	1.681
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Bottom Side	0mm	Ant 1	1	DSI 6	507000	2535	22.58	24.00	1.387	-	-	-0.05	0.951	1.319
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 2	1	DSI 6	507000	2535	20.91	21.80	1.227	-	-	-0.16	1.79	2.197
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 2	1	DSI 6	505000	2525	20.87	21.80	1.239	-	-	0.08	2.01	2.490
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Back	0mm	Ant 2	1	DSI 6	509000	2545	20.53	21.80	1.340	-	-	0.05	1.92	2.572
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Back	0mm	Ant 2	1	DSI 6	507000	2535	20.52	21.80	1.343	-	-	0.08	1.57	2.108
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Back	0mm	Ant 2	1	DSI 6	505000	2525	20.38	21.80	1.387	-	-	0.08	1.81	2.510
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Back	0mm	Ant 2	1	DSI 6	509000	2545	20.49	21.80	1.352	-	-	0.05	1.88	2.535
	FR1 n7	50M	QPSK	270	0	DFT_SCS 15KHz	Back	0mm	Ant 2	1	DSI 6	507000	2535	20.61	20.80	1.045	-	-	0.11	1.59	1.661
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Left Side	0mm	Ant 2	1	DSI 6	507000	2535	20.91	21.80	1.227	-	-	-0.09	1.64	2.013
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Left Side	0mm	Ant 2	1	DSI 6	505000	2525	20.87	21.80	1.239	-	-	0.03	1.23	1.524
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Left Side	0mm	Ant 2	1	DSI 6	509000	2545	20.53	21.80	1.340	-	-	-0.17	1.33	1.782
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Left Side	0mm	Ant 2	1	DSI 6	507000	2535	20.52	21.80	1.343	-	-	0.11	1.04	1.396
	FR1 n7	50M	QPSK	270	0	DFT_SCS 15KHz	Left Side	0mm	Ant 2	1	DSI 6	507000	2535	20.61	20.80	1.045	-	-	0.18	0.969	1.012
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6	507000	2535	20.91	21.80	1.227	-	-	0.11	2.35	2.884
79	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6	505000	2525	20.87	21.80	1.239	-	-	0.01	2.49	**3.085**
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6	509000	2545	20.53	21.80	1.340	-	-	0.04	1.90	2.545
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6	507000	2535	20.52	21.80	1.343	-	-	0.06	1.71	2.296
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6	505000	2525	20.38	21.80	1.387	-	-	0.05	2.11	2.926
	FR1 n7	50M	QPSK	135	68	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6	509000	2545	20.49	21.80	1.352	-	-	0.04	1.71	2.312
	FR1 n7	50M	QPSK	270	0	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6	507000	2535	20.61	20.80	1.045	-	-	-0.13	1.58	1.651
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Back	10mm	Ant 2	1	DSI 4	507000	2535	22.79	24.00	1.321	-	-	0.16	0.429	0.567
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Left Side	4mm	Ant 2	1	DSI 4	507000	2535	22.79	24.00	1.321	-	-	0.05	0.883	1.167
	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Top Side	10mm	Ant 2	1	DSI 4	507000	2535	22.79	24.00	1.321	-	-	0.09	0.269	0.355

	FR1 n7	50M	QPSK	1	1	DFT_SCS 15KHz	Top Side	0mm	Ant 2	1	DSI 6 Simultaneous	505000	2525	20.19	21.30	1.291	-	-	-0.08	2.16	2.789

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Sample	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
3500~3900MHz																					
	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 4	1	DSI 6	42590	3500	22.39	23.50	1.291	62.9	1.006	-0.09	2.19	2.845
80	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 4	1	DSI 6	42190	3460	22.33	23.50	1.309	62.9	1.006	-0.01	2.39	**3.148**
	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 4	2	DSI 6	42190	3460	22.33	23.50	1.309	62.9	1.006	0.04	1.57	2.068
	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 4	1	DSI 6	42990	3540	22.36	23.50	1.300	62.9	1.006	0.08	2.20	2.878
	LTE Band 42	20M	QPSK	50	0	-	Back	0mm	Ant 4	1	DSI 6	42590	3500	21.52	23.00	1.406	62.9	1.006	-0.05	1.71	2.419
	LTE Band 42	20M	QPSK	50	0	-	Back	0mm	Ant 4	1	DSI 6	42190	3460	21.47	23.00	1.422	62.9	1.006	0.05	2.13	3.048
	LTE Band 42	20M	QPSK	50	0	-	Back	0mm	Ant 4	1	DSI 6	42990	3540	21.48	23.00	1.419	62.9	1.006	0.08	1.94	2.769
	LTE Band 42	20M	QPSK	100	0	-	Back	0mm	Ant 4	1	DSI 6	42590	3500	21.32	23.00	1.472	62.9	1.006	0.17	1.75	2.592
	LTE Band 42	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	1	DSI 6	42590	3500	22.39	23.50	1.291	62.9	1.006	-0.14	1.20	1.559
	LTE Band 42	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	1	DSI 6	42590	3500	21.52	23.00	1.406	62.9	1.006	-0.11	0.936	1.324
	LTE Band 42	20M	QPSK	1	0	-	Back	14mm	Ant 4	1	DSI 4	42590	3500	22.39	24.00	1.449	62.9	1.006	-0.01	0.126	0.184
	LTE Band 42	20M	QPSK	1	0	-	Left Side	4mm	Ant 4	1	DSI 4	42590	3500	22.39	24.00	1.449	62.9	1.006	0.12	0.573	0.835
	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 4	1	DSI 6 Simultaneous	42190	3460	22.13	23.00	1.222	62.9	1.006	0.04	2.26	2.778
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6	656000	3840	20.88	21.70	1.208	-	-	-0.09	1.86	2.247
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Back	0mm	Ant 4	2	DSI 6	656000	3840	20.88	21.70	1.208	-	-	0.02	1.73	2.090
	FR1 n77	100M	QPSK	135	69	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6	656000	3840	20.78	21.70	1.236	-	-	0.06	0.882	1.090
	FR1 n77	100M	QPSK	270	0	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6	656000	3840	20.57	21.70	1.297	-	-	-0.17	0.854	1.108
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Left Side	0mm	Ant 4	1	DSI 6	656000	3840	20.88	21.70	1.208	-	-	0.07	1.18	1.425
	FR1 n77	100M	QPSK	135	69	DFT-SCS_30KHz	Left Side	0mm	Ant 4	1	DSI 6	656000	3840	20.78	21.70	1.236	-	-	0.17	0.710	0.878
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Back	14mm	Ant 4	1	DSI 4	656000	3840	23.40	24.00	1.148	-	-	0.16	0.199	0.228
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Left Side	4mm	Ant 4	1	DSI 4	656000	3840	23.40	24.00	1.148	-	-	-0.09	1.22	1.401
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6 Simultaneous	656000	3840	20.39	21.20	1.205	-	-	-0.04	1.45	1.747
81	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6	633334	3500.01	20.39	21.70	1.352	-	-	-0.05	2.32	**3.137**
	FR1 n77	100M	QPSK	135	69	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6	633334	3500.01	20.39	21.70	1.352	-	-	0.08	2.32	3.137
	FR1 n77	100M	QPSK	270	0	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6	633334	3500.01	20.39	21.70	1.352	-	-	-0.12	2.19	2.961
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Left Side	0mm	Ant 4	1	DSI 6	633334	3500.01	20.39	21.70	1.352	-	-	0.04	1.42	1.920
	FR1 n77	100M	QPSK	135	69	DFT-SCS_30KHz	Left Side	0mm	Ant 4	1	DSI 6	633334	3500.01	20.39	21.70	1.352	-	-	0.03	1.35	1.825
	FR1 n77	100M	QPSK	270	0	DFT-SCS_30KHz	Left Side	0mm	Ant 4	1	DSI 6	633334	3500.01	20.39	21.70	1.352	-	-	-0.05	0.904	1.222
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Back	14mm	Ant 4	1	DSI 4	633334	3500.01	22.71	24.00	1.346	-	-	0.09	0.159	0.214
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Left Side	4mm	Ant 4	1	DSI 4	633334	3500.01	22.71	24.00	1.346	-	-	0.03	1.07	1.440
	FR1 n77	100M	QPSK	1	1	DFT-SCS_30KHz	Back	0mm	Ant 4	1	DSI 6 Simultaneous	633334	3500.01	19.80	21.20	1.380	-	-	0.03	1.96	2.706

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
WLAN																	
82	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 3	Full	1	48	5240	18.34	19.50	1.306	97.49	1.026	-0.04	1.29	**1.729**
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 3	Full	1	48	5240	18.34	19.50	1.306	97.49	1.026	0.02	1.24	1.662
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3	Simultaneous-Reduced	1	42	5210	12.87	14.50	1.454	89.64	1.116	0.03	0.478	0.776
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 3	Full	1	52	5260	18.09	19.50	1.383	97.49	1.026	0.08	0.688	0.977
83	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 3	Full	1	52	5260	18.09	19.50	1.383	97.49	1.026	0.05	1.23	**1.746**
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 3	Full	2	52	5260	18.09	19.50	1.383	97.49	1.026	0.07	1.17	1.661
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 3	Full	1	52	5260	18.09	19.50	1.383	97.49	1.026	0.05	0.561	0.796
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 3	Full	1	52	5260	18.09	19.50	1.383	97.49	1.026	0.01	1.21	1.717
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3	Simultaneous-Reduced	1	62	5310	14.74	16.00	1.337	94.92	1.054	0.03	0.548	0.772
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 3	Full	1	132	5660	17.60	19.50	1.549	97.49	1.026	0.06	0.835	1.327
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 3	Full	1	132	5660	17.60	19.50	1.549	97.49	1.026	0.05	1.05	1.668
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 3	Full	1	132	5660	17.60	19.50	1.549	97.49	1.026	0.08	0.728	1.157
84	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 3	Full	1	132	5660	17.60	19.50	1.549	97.49	1.026	0.02	1.15	**1.827**
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 3	Simultaneous-Reduced	1	138	5690	14.41	16.00	1.442	89.64	1.116	0.05	0.485	0.781
	WLAN5.8GHz	802.11a 6Mbps	Front	0mm	Ant 3	Full	1	157	5785	17.93	19.50	1.435	97.49	1.026	0.08	0.735	1.082
85	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 3	Full	1	157	5785	17.93	19.50	1.435	97.49	1.026	0.01	1.08	**1.590**

	WLAN5.8GHz	802.11a 6Mbps	Right Side	0mm	Ant 3	Full	1	157	5785	17.93	19.50	1.435	97.49	1.026	0.08	0.594	0.875
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 3	Full	1	157	5785	17.93	19.50	1.435	97.49	1.026	0.09	0.891	1.312
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3	Simultaneous-Reduced	1	155	5775	15.05	16.00	1.245	89.64	1.116	0.04	0.561	0.779

16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	-	DSI 2	20525	836.5	23.43	24.00	1.140			0.06	1.02	1	1.163
2nd	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	-	DSI 2	20525	836.5	23.43	24.00	1.140			0.03	0.944	1.081	1.076
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 3	-	Full	11	2462	19.41	20.50	1.285	100	1.000	-0.08	0.999	1	1.284
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 3	-	Full	11	2462	19.41	20.50	1.285	100	1.000	0.09	0.926	1.079	1.190
1st	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3	-	Reduced	155	5775	15.05	16.00	1.245	89.64	1.116	0.13	0.847	1	1.176
2nd	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3	-	Reduced	155	5775	15.05	16.00	1.245	89.64	1.116	0.05	0.811	1.044	1.126
1st	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	21.85	22.80	1.245			-0.06	1.01	1	1.257
2nd	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	21.85	22.80	1.245			0.03	0.911	1.109	1.134
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	9262	1852.4	21.10	21.70	1.148			-0.17	1.08	1	1.240
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	9262	1852.4	21.10	21.70	1.148			0.06	0.918	1.176	1.054
1st	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3	40140	2545	20.49	21.10	1.151	62.9	1.006	0.02	1.09	1	1.262
2nd	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3	40140	2545	20.49	21.10	1.151	62.9	1.006	0.13	0.963	1.132	1.115
1st	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI 3	633334	3500.01	17.95	18.90	1.245			-0.01	1.00	1	1.245
2nd	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI 3	633334	3500.01	17.95	18.90	1.245			0.06	0.911	1.098	1.134

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	1312	1712.4	22.79	23.50	1.178			-0.11	2.55	1	3.003
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	1312	1712.4	22.79	23.50	1.178			-0.01	2.39	1.067	2.814
1st	LTE Band 2	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	18700	1860	22.40	23.50	1.288			0.06	2.42	1	3.118
2nd	LTE Band 2	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	18700	1860	22.40	23.50	1.288			0.01	2.29	1.057	2.950
1st	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	21100	2535	22.85	24.00	1.303			0.09	2.51	1	3.271
2nd	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	21100	2535	22.85	24.00	1.303			0.01	2.28	1.101	2.971
1st	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	42190	3460	22.33	23.50	1.309	62.9	1.006	-0.01	2.39	1	3.148
2nd	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	42190	3460	22.33	23.50	1.309	62.9	1.006	0.07	2.19	1.091	2.884

General Note:

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

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	Bluetooth + WLAN5GHz	Yes	Yes	Yes	Yes
5.	WWAN + Bluetooth + WLAN5GHz	Yes	Yes	Yes	Yes

General Note:

1. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. WWAN above includes 5G NR bands.
3. EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
4. For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
7. According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
8. According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz cannot transmit simultaneously.
9. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
10. WLAN 2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
11. The maximum SAR summation is calculated based on the same configuration and test position.
12. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
13. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
    i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
    ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. separation distance, mm), and the peak separation distance is determined from the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
    iii) If SPLSR ≤ 0.04 for 1g SAR and SPLSR≤ 0.10 for 10g SAR , simultaneously transmission SAR measurement is not necessary.
    iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

17.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

*x% * A + (100-x)% * B ≤ 1.0,*

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and A ≤ 1.0; B is normalized reported time-averaged exposure ratio from 5G NR (i.e. SAR exposure for 5G FR1), and B ≤1.0.

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

*x% * A + (100-x)% * B + C ≤ 1.0* (1)

x% * A + (100-x)% * B ≤ x% * max(A, B) + (100-x)% * max(A, B) ≤ max(A, B)

*x% * A + (100-x)% * B + C ≤ max(A, B) + C ≤ 1.0* (2)

if A + C ≤ 1.0 and B + C ≤ 1.0 can be proven, then “x% * A + (100-x)% * B + C ≤ 1.0”. Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

17.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3+4
		WWAN	2.4GHz WLAN Ant 3	5GHz WLAN Ant 3	Bluetooth Ant 3	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 1	Right Cheek	0.788	0.134	0.178	0.170	0.922	1.136
	Right Tilted	0.388	0.154	0.191	0.170	0.542	0.749
	Left Cheek	0.820	0.368	0.349	0.170	1.188	1.339
	Left Tilted	0.397	0.300	0.377	0.170	0.697	0.944
GSM1900Ant 1	Right Cheek	0.153	0.134	0.178	0.170	0.287	0.501
	Right Tilted	0.096	0.154	0.191	0.170	0.250	0.457
	Left Cheek	0.101	0.368	0.349	0.170	0.469	0.620
	Left Tilted	0.079	0.300	0.377	0.170	0.379	0.626
WCDMA IIAnt 1	Right Cheek	0.271	0.134	0.178	0.170	0.405	0.619
	Right Tilted	0.222	0.154	0.191	0.170	0.376	0.583
	Left Cheek	0.226	0.368	0.349	0.170	0.594	0.745
	Left Tilted	0.250	0.300	0.377	0.170	0.550	0.797
WCDMA IVAnt 1	Right Cheek	0.216	0.134	0.178	0.170	0.350	0.564
	Right Tilted	0.142	0.154	0.191	0.170	0.296	0.503
	Left Cheek	0.145	0.368	0.349	0.170	0.513	0.664
	Left Tilted	0.118	0.300	0.377	0.170	0.418	0.665
WCDMA VAnt 1	Right Cheek	0.400	0.134	0.178	0.170	0.534	0.748
	Right Tilted	0.204	0.154	0.191	0.170	0.358	0.565
	Left Cheek	0.401	0.368	0.349	0.170	0.769	0.920
	Left Tilted	0.218	0.300	0.377	0.170	0.518	0.765
LTE Band 2Ant 1	Right Cheek	0.246	0.134	0.178	0.170	0.380	0.594
	Right Tilted	0.185	0.154	0.191	0.170	0.339	0.546
	Left Cheek	0.219	0.368	0.349	0.170	0.587	0.738
	Left Tilted	0.194	0.300	0.377	0.170	0.494	0.741
LTE Band 5Ant 2	Right Cheek	0.914	0.134	0.178	0.170	1.048	1.262
	Right Tilted	0.914	0.154	0.191	0.170	1.068	1.275
	Left Cheek	0.914	0.368	0.349	0.170	1.282	1.433
	Left Tilted	0.914	0.300	0.377	0.170	1.214	1.461
LTE Band 7Ant 1	Right Cheek	0.229	0.134	0.178	0.170	0.363	0.577
	Right Tilted	0.253	0.154	0.191	0.170	0.407	0.614
	Left Cheek	0.524	0.368	0.349	0.170	0.892	1.043
	Left Tilted	0.176	0.300	0.377	0.170	0.476	0.723
LTE Band 7Ant 2	Right Cheek	0.980	0.134	0.178	0.170	1.114	1.328
	Right Tilted	0.980	0.154	0.191	0.170	1.134	1.341
	Left Cheek	0.980	0.368	0.349	0.170	1.348	1.499
	Left Tilted	0.980	0.300	0.377	0.170	1.280	1.527
LTE Band 12Ant 1	Right Cheek	0.158	0.134	0.178	0.170	0.292	0.506
	Right Tilted	0.069	0.154	0.191	0.170	0.223	0.430
	Left Cheek	0.165	0.368	0.349	0.170	0.533	0.684
	Left Tilted	0.071	0.300	0.377	0.170	0.371	0.618
LTE Band 12Ant 2	Right Cheek	0.723	0.134	0.178	0.170	0.857	1.071
	Right Tilted	0.513	0.154	0.191	0.170	0.667	0.874
	Left Cheek	0.420	0.368	0.349	0.170	0.788	0.939
	Left Tilted	0.356	0.300	0.377	0.170	0.656	0.903
LTE Band 13Ant 1	Right Cheek	0.279	0.134	0.178	0.170	0.413	0.627
	Right Tilted	0.134	0.154	0.191	0.170	0.288	0.495
	Left Cheek	0.285	0.368	0.349	0.170	0.653	0.804
	Left Tilted	0.153	0.300	0.377	0.170	0.453	0.700
LTE Band 26Ant 1	Right Cheek	0.363	0.134	0.178	0.170	0.497	0.711
	Right Tilted	0.160	0.154	0.191	0.170	0.314	0.521

	Left Cheek	0.367	0.368	0.349	0.170	0.735	0.886
	Left Tilted	0.189	0.300	0.377	0.170	0.489	0.736
LTE Band 66Ant 1	Right Cheek	0.131	0.134	0.178	0.170	0.265	0.479
	Right Tilted	0.088	0.154	0.191	0.170	0.242	0.449
	Left Cheek	0.104	0.368	0.349	0.170	0.472	0.623
	Left Tilted	0.082	0.300	0.377	0.170	0.382	0.629
LTE Band 41Ant 1	Right Cheek	0.110	0.134	0.178	0.170	0.244	0.458
	Right Tilted	0.111	0.154	0.191	0.170	0.265	0.472
	Left Cheek	0.258	0.368	0.349	0.170	0.626	0.777
	Left Tilted	0.113	0.300	0.377	0.170	0.413	0.660
LTE Band 41Ant 2	Right Cheek	0.995	0.134	0.178	0.170	1.129	1.343
	Right Tilted	0.995	0.154	0.191	0.170	1.149	1.356
	Left Cheek	0.995	0.368	0.349	0.170	**1.363**	1.514
	Left Tilted	0.995	0.300	0.377	0.170	1.295	**1.542**
LTE Band 42Ant 4	Right Cheek	0.992	0.134	0.178	0.170	1.126	1.340
	Right Tilted	0.992	0.154	0.191	0.170	1.146	1.353
	Left Cheek	0.992	0.368	0.349	0.170	1.360	1.511
	Left Tilted	0.992	0.300	0.377	0.170	1.292	1.539
FR1 n5Ant 2	Right Cheek	0.924	0.134	0.178	0.170	1.058	1.272
	Right Tilted	0.924	0.154	0.191	0.170	1.078	1.285
	Left Cheek	0.924	0.368	0.349	0.170	1.292	1.443
	Left Tilted	0.924	0.300	0.377	0.170	1.224	1.471
FR1 n7Ant 1	Right Cheek	0.141	0.134	0.178	0.170	0.275	0.489
	Right Tilted	0.137	0.154	0.191	0.170	0.291	0.498
	Left Cheek	0.298	0.368	0.349	0.170	0.666	0.817
	Left Tilted	0.126	0.300	0.377	0.170	0.426	0.673
FR1 n7Ant 2	Right Cheek	0.930	0.134	0.178	0.170	1.064	1.278
	Right Tilted	0.930	0.154	0.191	0.170	1.084	1.291
	Left Cheek	0.930	0.368	0.349	0.170	1.298	1.449
	Left Tilted	0.930	0.300	0.377	0.170	1.230	1.477
FR1 n66Ant 1	Right Cheek	0.099	0.134	0.178	0.170	0.233	0.447
	Right Tilted	0.051	0.154	0.191	0.170	0.205	0.412
	Left Cheek	0.068	0.368	0.349	0.170	0.436	0.587
	Left Tilted	0.040	0.300	0.377	0.170	0.340	0.587
FR1 n77Ant 4 (FR1 n78Ant 4)	Right Cheek	0.943	0.134	0.178	0.170	1.077	1.291
	Right Tilted	0.943	0.154	0.191	0.170	1.097	1.304
	Left Cheek	0.943	0.368	0.349	0.170	1.311	1.462
	Left Tilted	0.943	0.300	0.377	0.170	1.243	1.490
LTE Band 66Ant 2	Right Cheek	0.990	0.134	0.178	0.170	1.124	1.338
	Right Tilted	0.990	0.154	0.191	0.170	1.144	1.351
	Left Cheek	0.990	0.368	0.349	0.170	1.358	1.509
	Left Tilted	0.990	0.300	0.377	0.170	1.290	1.537

17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3+4
		WWAN	2.4GHz WLAN Ant 3	5GHz WLAN Ant 3	Bluetooth Ant 3	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	10g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 1	Front	0.557	0.287	0.178	0.131	0.844	0.866
	Back	0.982	0.346	0.389	0.131	1.328	1.502
	Left side	0.841				0.841	0.841
	Right side	0.542	0.316	0.162	0.131	0.858	0.835
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.662				0.662	0.662
GSM1900Ant 1	Front	0.243	0.287	0.178	0.131	0.530	0.552
	Back	0.882	0.346	0.389	0.131	1.228	1.402
	Left side	0.144				0.144	0.144
	Right side	0.076	0.316	0.162	0.131	0.392	0.369
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.989				0.989	0.989
WCDMA IIAnt 1	Front	0.389	0.287	0.178	0.131	0.676	0.698
	Back	0.861	0.346	0.389	0.131	1.207	1.381
	Left side	0.272				0.272	0.272
	Right side	0.097	0.316	0.162	0.131	0.413	0.390
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.760				0.760	0.760
WCDMA IVAnt 1	Front	0.312	0.287	0.178	0.131	0.599	0.621
	Back	0.989	0.346	0.389	0.131	1.335	1.509
	Left side	0.175				0.175	0.175
	Right side	0.110	0.316	0.162	0.131	0.426	0.403
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.889				0.889	0.889
WCDMA VAnt 1	Front	0.537	0.287	0.178	0.131	0.824	0.846
	Back	0.833	0.346	0.389	0.131	1.179	1.353
	Left side	0.301				0.301	0.301
	Right side	0.511	0.316	0.162	0.131	0.827	0.804
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.603				0.603	0.603
LTE Band 2Ant 1	Front	0.373	0.287	0.178	0.131	0.660	0.682
	Back	0.732	0.346	0.389	0.131	1.078	1.252
	Left side	0.234				0.234	0.234
	Right side	0.110	0.316	0.162	0.131	0.426	0.403
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.975				0.975	0.975
LTE Band 5Ant 2	Front	0.454	0.287	0.178	0.131	0.741	0.763
	Back	0.729	0.346	0.389	0.131	1.075	1.249
	Left side	0.238				0.238	0.238
	Right side	0.120	0.316	0.162	0.131	0.436	0.413
	Top side	0.593	0.307	0.369	0.131	0.900	1.093
	Bottom side					0.000	0.000
LTE Band 7Ant 1	Front	0.324	0.287	0.178	0.131	0.611	0.633
	Back	0.549	0.346	0.389	0.131	0.895	1.069
	Left side	0.161				0.161	0.161
	Right side	0.026	0.316	0.162	0.131	0.342	0.319
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.924				0.924	0.924
LTE Band 7Ant 2	Front	0.270	0.287	0.178	0.131	0.557	0.579
	Back	0.625	0.346	0.389	0.131	0.971	1.145

	Left side	0.228				0.228	0.228
	Right side	0.004	0.316	0.162	0.131	0.320	0.297
	Top side	0.961	0.307	0.369	0.131	1.268	1.461
	Bottom side					0.000	0.000
LTE Band 12Ant 1	Front	0.339	0.287	0.178	0.131	0.626	0.648
	Back	0.522	0.346	0.389	0.131	0.868	1.042
	Left side	0.272				0.272	0.272
	Right side	0.451	0.316	0.162	0.131	0.767	0.744
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.191				0.191	0.191
LTE Band 12Ant 2	Front	0.186	0.287	0.178	0.131	0.473	0.495
	Back	0.346	0.346	0.389	0.131	0.692	0.866
	Left side	0.309				0.309	0.309
	Right side	0.110	0.316	0.162	0.131	0.426	0.403
	Top side	0.212	0.307	0.369	0.131	0.519	0.712
	Bottom side					0.000	0.000
LTE Band 13Ant 1	Front	0.526	0.287	0.178	0.131	0.813	0.835
	Back	0.781	0.346	0.389	0.131	1.127	1.301
	Left side	0.538				0.538	0.538
	Right side	0.654	0.316	0.162	0.131	0.970	0.947
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.466				0.466	0.466
LTE Band 26Ant 1	Front	0.560	0.287	0.178	0.131	0.847	0.869
	Back	0.909	0.346	0.389	0.131	1.255	1.429
	Left side	0.244				0.244	0.244
	Right side	0.462	0.316	0.162	0.131	0.778	0.755
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.607				0.607	0.607
LTE Band 66Ant 1	Front	0.290	0.287	0.178	0.131	0.577	0.599
	Back	0.744	0.346	0.389	0.131	1.090	1.264
	Left side	0.155				0.155	0.155
	Right side	0.112	0.316	0.162	0.131	0.428	0.405
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.960				0.960	0.960
LTE Band 41Ant 1	Front	0.326	0.287	0.178	0.131	0.613	0.635
	Back	0.599	0.346	0.389	0.131	0.945	1.119
	Left side	0.164				0.164	0.164
	Right side	0.033	0.316	0.162	0.131	0.349	0.326
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.989				0.989	0.989
LTE Band 41Ant 2	Front	0.293	0.287	0.178	0.131	0.580	0.602
	Back	0.712	0.346	0.389	0.131	1.058	1.232
	Left side	0.328				0.328	0.328
	Right side	0.003	0.316	0.162	0.131	0.319	0.296
	Top side	0.893	0.307	0.369	0.131	1.200	1.393
	Bottom side					0.000	0.000
LTE Band 42Ant 4	Front	0.144	0.287	0.178	0.131	0.431	0.453
	Back	0.972	0.346	0.389	0.131	1.318	1.492
	Left side	0.509				0.509	0.509
	Right side		0.316	0.162	0.131	0.316	0.293
	Top side	0.139	0.307	0.369	0.131	0.446	0.639
	Bottom side					0.000	0.000
FR1 n5Ant 2	Front	0.576	0.287	0.178	0.131	0.863	0.885
	Back	0.778	0.346	0.389	0.131	1.124	1.298
	Left side	0.320				0.320	0.320
	Right side	0.168	0.316	0.162	0.131	0.484	0.461

	Top side	0.765	0.307	0.369	0.131	1.072	1.265
	Bottom side					0.000	0.000
FR1 n7Ant 1	Front	0.279	0.287	0.178	0.131	0.566	0.588
	Back	0.629	0.346	0.389	0.131	0.975	1.149
	Left side	0.169				0.169	0.169
	Right side	0.033	0.316	0.162	0.131	0.349	0.326
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.925				0.925	0.925
FR1 n7Ant 2	Front	0.247	0.287	0.178	0.131	0.534	0.556
	Back	0.761	0.346	0.389	0.131	1.107	1.281
	Left side	0.415				0.415	0.415
	Right side	0.005	0.316	0.162	0.131	0.321	0.298
	Top side	0.567	0.307	0.369	0.131	0.874	1.067
	Bottom side					0.000	0.000
FR1 n66Ant 1	Front	0.259	0.287	0.178	0.131	0.546	0.568
	Back	0.956	0.346	0.389	0.131	1.302	1.476
	Left side	0.109				0.109	0.109
	Right side	0.066	0.316	0.162	0.131	0.382	0.359
	Top side		0.307	0.369	0.131	0.307	0.500
	Bottom side	0.721				0.721	0.721
FR1 n77Ant 4	Front	0.182	0.287	0.178	0.131	0.469	0.491
	Back	0.965	0.346	0.389	0.131	1.311	1.485
	Left side	0.657				0.657	0.657
	Right side	0.014	0.316	0.162	0.131	0.330	0.307
	Top side	0.131	0.307	0.369	0.131	0.438	0.631
	Bottom side					0.000	0.000
FR1 n77Ant 4	Front	0.155	0.287	0.178	0.131	0.442	0.464
	Back	0.638	0.346	0.389	0.131	0.984	1.158
	Left side	0.538				0.538	0.538
	Right side	0.087	0.316	0.162	0.131	0.403	0.380
	Top side	0.090	0.307	0.369	0.131	0.397	0.590
	Bottom side					0.000	0.000
LTE Band 66Ant 2	Front	0.817	0.287	0.178	0.131	1.104	1.126
	Back	0.748	0.346	0.389	0.131	1.094	1.268
	Left side	0.233				0.233	0.233
	Right side	0.198	0.316	0.162	0.131	0.514	0.491
	Top side	0.971	0.307	0.369	0.131	1.278	1.471
	Bottom side					0.000	0.000

17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	1+3	1+4+5
		WWAN	2.4GHz WLAN Ant 3	5GHz WLAN Ant 3	Bluetooth Ant 3	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	10g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 1	Front	0.557	0.298	0.389	0.131	0.855	1.077
	Back	0.982	0.346	0.389	0.131	1.328	1.502
GSM1900Ant 1	Front	0.243	0.298	0.389	0.131	0.541	0.763
	Back	0.882	0.346	0.389	0.131	1.228	1.402
WCDMA IIAnt 1	Front	0.389	0.298	0.389	0.131	0.687	0.909
	Back	0.861	0.346	0.389	0.131	1.207	1.381
WCDMA IVAnt 1	Front	0.312	0.298	0.389	0.131	0.610	0.832
	Back	0.989	0.346	0.389	0.131	1.335	1.509
WCDMA VAnt 1	Front	0.537	0.298	0.389	0.131	0.835	1.057
	Back	0.833	0.346	0.389	0.131	1.179	1.353
LTE Band 2Ant 1	Front	0.373	0.298	0.389	0.131	0.671	0.893
	Back	0.732	0.346	0.389	0.131	1.078	1.252
LTE Band 5Ant 2	Front	0.454	0.298	0.389	0.131	0.752	0.974
	Back	0.729	0.346	0.389	0.131	1.075	1.249
LTE Band 7Ant 1	Front	0.324	0.298	0.389	0.131	0.622	0.844
	Back	0.549	0.346	0.389	0.131	0.895	1.069
LTE Band 7Ant 2	Front	0.270	0.298	0.389	0.131	0.568	0.790
	Back	0.625	0.346	0.389	0.131	0.971	1.145
LTE Band 12Ant 1	Front	0.339	0.298	0.389	0.131	0.637	0.859
	Back	0.522	0.346	0.389	0.131	0.868	1.042
LTE Band 12Ant 2	Front	0.186	0.298	0.389	0.131	0.484	0.706
	Back	0.346	0.346	0.389	0.131	0.692	0.866
LTE Band 13Ant 1	Front	0.526	0.298	0.389	0.131	0.824	1.046
	Back	0.781	0.346	0.389	0.131	1.127	1.301
LTE Band 26Ant 1	Front	0.560	0.298	0.389	0.131	0.858	1.080
	Back	0.909	0.346	0.389	0.131	1.255	1.429
LTE Band 66Ant 1	Front	0.290	0.298	0.389	0.131	0.588	0.810
	Back	0.744	0.346	0.389	0.131	1.090	1.264
LTE Band 41Ant 1	Front	0.326	0.298	0.389	0.131	0.624	0.846
	Back	0.599	0.346	0.389	0.131	0.945	1.119
LTE Band 41Ant 2	Front	0.293	0.298	0.389	0.131	0.591	0.813
	Back	0.712	0.346	0.389	0.131	1.058	1.232
LTE Band 42Ant 4	Front	0.144	0.298	0.389	0.131	0.442	0.664
	Back	0.972	0.346	0.389	0.131	1.318	1.492
FR1 n5Ant 2	Front	0.576	0.298	0.389	0.131	0.874	1.096
	Back	0.778	0.346	0.389	0.131	1.124	1.298
FR1 n7Ant 1	Front	0.276	0.298	0.389	0.131	0.574	0.796
	Back	0.625	0.346	0.389	0.131	0.971	1.145
FR1 n7Ant 2	Front	0.277	0.298	0.389	0.131	0.575	0.797
	Back	0.858	0.346	0.389	0.131	1.204	1.378
FR1 n66Ant 1	Front	0.259	0.298	0.389	0.131	0.557	0.779
	Back	0.956	0.346	0.389	0.131	1.302	1.476
FR1 n77Ant 4	Front	0.184	0.298	0.389	0.131	0.482	0.704
	Back	0.977	0.346	0.389	0.131	1.323	1.497
FR1 n77Ant 4	Front	0.155	0.298	0.389	0.131	0.453	0.675
	Back	0.638	0.346	0.389	0.131	0.984	1.158
LTE Band 66Ant 2	Front	0.837	0.298	0.389	0.131	1.135	1.357
	Back	0.693	0.346	0.389	0.131	1.039	1.213

Sensor off

WWAN Band	Exposure Position	1	2	1+2
		WWAN	5GHz WLAN Ant 3	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850Ant 1	Front	0.857	0.663	1.520
	Back	0.740	0.764	1.504
GSM1900Ant 1	Front	0.361	0.663	1.024
	Back	0.219	0.764	0.983
WCDMA IIAnt 1	Front	0.751	0.663	1.414
	Back	0.523	0.764	1.287
WCDMA IVAnt 1	Front	0.642	0.663	1.305
	Back	0.593	0.764	1.357
WCDMA VAnt 1	Front	0.404	0.663	1.067
	Back	0.316	0.764	1.080
LTE Band 2Ant 1	Front	0.716	0.663	1.379
	Back	0.424	0.764	1.188
LTE Band 7Ant 1	Front	0.914	0.663	1.577
	Back	0.542	0.764	1.306
LTE Band 7Ant 2	Front	0.790	0.663	1.453
	Back	0.482	0.764	1.246
LTE Band 66Ant 1	Front	0.426	0.663	1.089
	Back	0.427	0.764	1.191
LTE Band 41Ant 1	Front	0.606	0.663	1.269
	Back	0.205	0.764	0.969
LTE Band 41Ant 2	Front	0.749	0.663	1.412
	Back	0.330	0.764	1.094
LTE Band 42Ant 4	Front	0.267	0.663	0.930
	Back	0.348	0.764	1.112
FR1 n7Ant 1	Front	0.498	0.663	1.161
	Back	0.422	0.764	1.186
FR1 n7Ant 2	Front	0.914	0.663	1.577
	Back	0.379	0.764	1.143
FR1 n66Ant 1	Front	0.417	0.663	1.080
	Back	0.392	0.764	1.156
FR1 n77 Ant 4	Front	0.178	0.663	0.841
	Back	0.215	0.764	0.979
FR1 n77Ant 4	Front	0.427	0.663	1.090
	Back	0.305	0.764	1.069
LTE Band 66Ant 2	Front	0.685	0.663	1.348
	Back	0.409	0.764	1.173

17.5 Product specific 10g SAR Exposure Conditions

WWAN Band	Exposure Position	1	2	1+2
		WWAN	5GHz WLAN Ant 3	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM850Ant 1	Front			0.000
	Back	2.025	0.779	2.804
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.524		2.524
GSM1900Ant 1	Front			0.000
	Back	2.600	0.779	3.379
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.600		2.600
WCDMA IIAnt 1	Front			0.000
	Back	2.789	0.779	3.568
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.789		2.789
WCDMA IVAnt 1	Front			0.000
	Back	2.656	0.779	3.435
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.656		2.656
LTE Band 2Ant 1	Front			0.000
	Back	2.724	0.779	3.503
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.724		2.724
LTE Band 7Ant 1	Front	2.448		2.448
	Back	2.448	0.779	3.227
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.448		2.448
LTE Band 7Ant 2	Front			0.000

	Back	2.757	0.779	3.536
	Left side	2.757		2.757
	Right side			0.000
	Top side	2.757	0.781	3.538
	Bottom side			0.000
LTE Band 66Ant 1	Front			0.000
	Back	2.573	0.779	3.352
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.573		2.573
LTE Band 41Ant 1	Front			0.000
	Back	1.711	0.779	2.490
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	1.339		1.339
LTE Band 41Ant 2	Front	2.170		2.170
	Back	2.170	0.779	2.949
	Left side	2.170		2.170
	Right side			0.000
	Top side	2.170	0.781	2.951
	Bottom side			0.000
LTE Band 42Ant 4	Front			0.000
	Back	2.778	0.779	3.557
	Left side	2.778		2.778
	Right side			0.000
	Top side		0.781	0.781
	Bottom side			0.000
FR1 n7Ant 1	Front			0.000
	Back	1.460	0.779	2.239
	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	1.681		1.681
FR1 n7Ant 2	Front			0.000
	Back	2.789	0.779	3.568
	Left side	2.789		2.789
	Right side			0.000
	Top side	2.789	0.781	3.570
	Bottom side			0.000
FR1 n66Ant 1	Front			0.000
	Back	2.713	0.779	3.492

	Left side			0.000
	Right side			0.000
	Top side		0.781	0.781
	Bottom side	2.713		2.713
FR1 n77 Ant 4	Front			0.000
	Back	1.747	0.779	2.526
	Left side	1.747		1.747
	Right side			0.000
	Top side		0.781	0.781
	Bottom side			0.000
FR1 n77Ant 4	Front			0.000
	Back	2.706	0.779	3.485
	Left side	2.706		2.706
	Right side			0.000
	Top side		0.781	0.781
	Bottom side			0.000
LTE Band 66Ant 2	Front	2.760		2.760
	Back	2.760	0.779	3.539
	Left side			0.000
	Right side			0.000
	Top side	2.760	0.781	3.541
	Bottom side			0.000

18. Supplemental tuner tests results

General Note:

1. This device implements impedance tuner (144 status) antenna tuning techniques in the WCDMA II/IV/V, LTE B2/4/5/12/13/17/26/66 at Antenna 1.
2. This device supports LTE B4/B5/B17 and LTE B66/B26/B12. Since the supported frequency span for LTE B4/B5/B17 falls completely within the supports frequency span for LTE B66/B26/B12, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, chose LTE B66/B26/B12 for dynamic antenna analysis.
3. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
4. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
5. To evaluate all of the tuner states, the 144 tuner states are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
6. According to TCBC 201904 workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
7. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

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19. Uncertainty Assessment

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

20. References

[1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

[2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013

[4] SPEAG DASY System Handbook

[5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.

[6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.

[7] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

[8] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.

[9] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.

[10] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015

[11] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015

[12] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015

[13] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015

[14] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

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

Appendix A. Plots of System Performance Check

The plots are shown as follows.

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

System Check_Head_750MHz

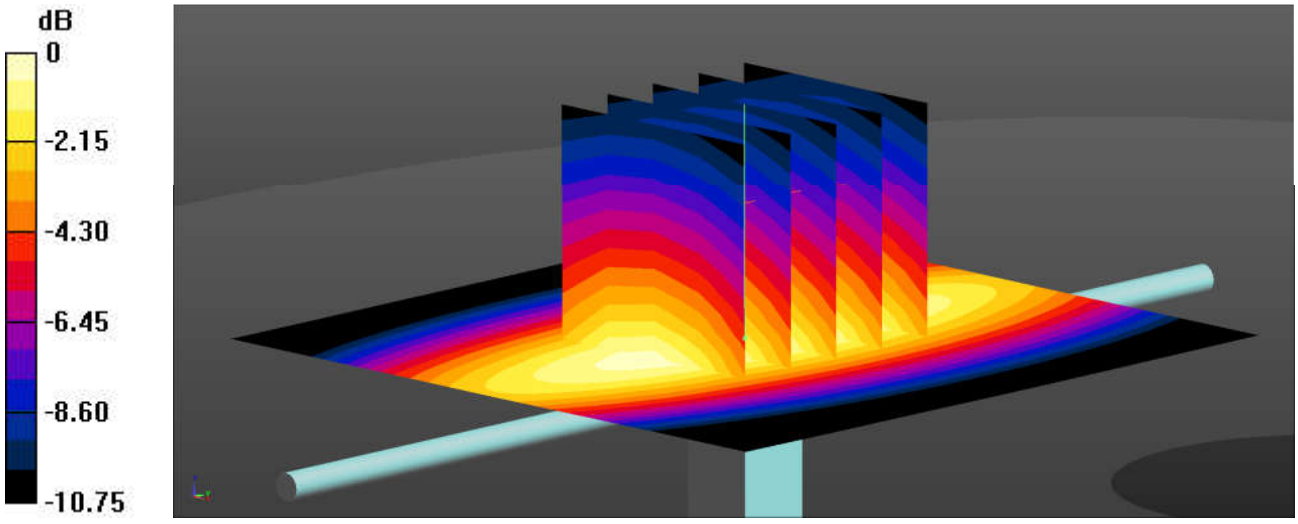
DUT: D750V3 - SN:1087

Communication System: UID 0, CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 750 MHz; σ = 0.909 S/m; ε_r = 42.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.38, 10.38, 10.38); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.570 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.12 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.656 W/kg
SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.273 W/kg
Maximum value of SAR (measured) = 0.571 W/kg



0 dB = 0.571 W/kg = -2.43 dBW/kg

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

System Check_Head_835MHz

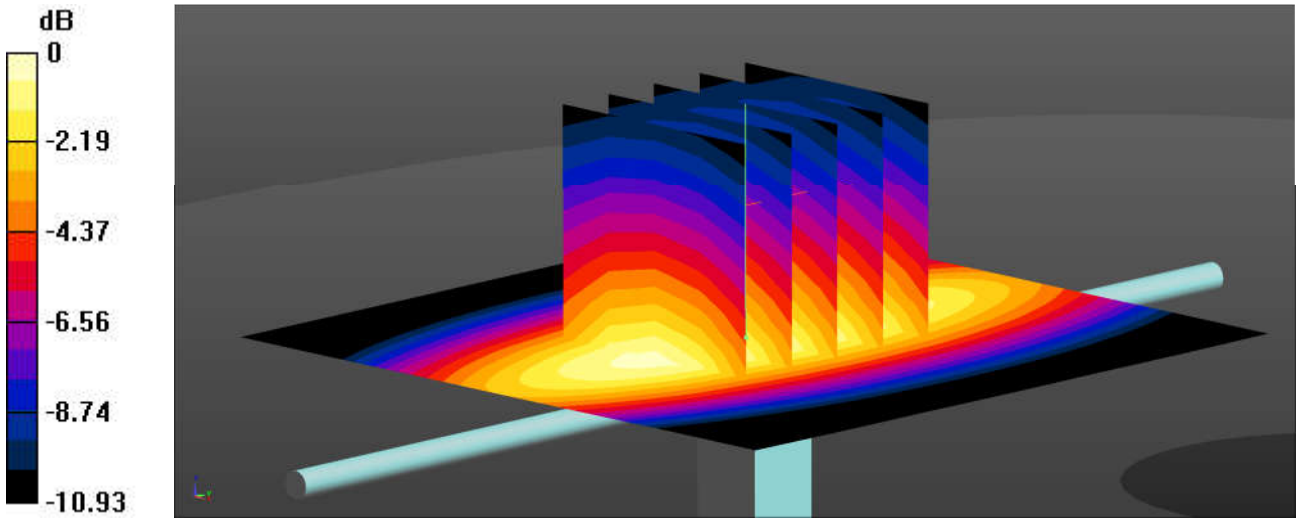
DUT: D835V2 - SN:4d151

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 835 MHz; σ = 0.938 S/m; ε_r = 42.446; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.667 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.67 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.769 W/kg
SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.320 W/kg
Maximum value of SAR (measured) = 0.673 W/kg



0 dB = 0.673 W/kg = -1.72 dBW/kg

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

System Check_Head_1750MHz

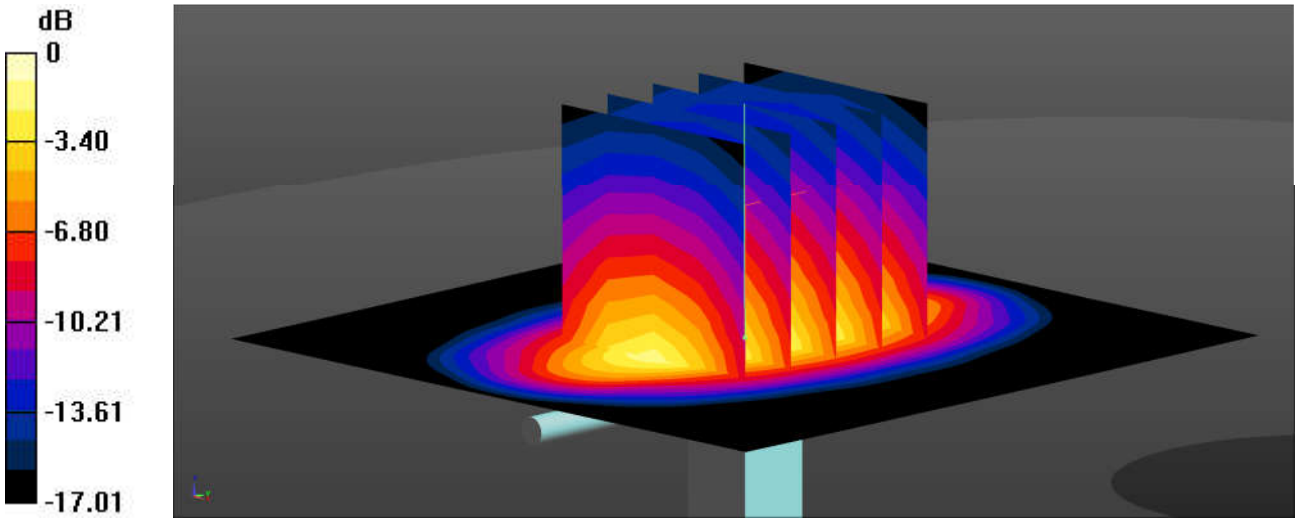
DUT: D1750V2 - SN:1090

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1750 MHz; σ = 1.36 S/m; ε_r = 40.942; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.86, 8.86, 8.86); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.85 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.55 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.38 W/kg
SAR(1 g) = 1.83 W/kg; SAR(10 g) = 0.971 W/kg
Maximum value of SAR (measured) = 2.84 W/kg



0 dB = 2.84 W/kg = 4.53 dBW/kg

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

System Check_Head_1900MHz

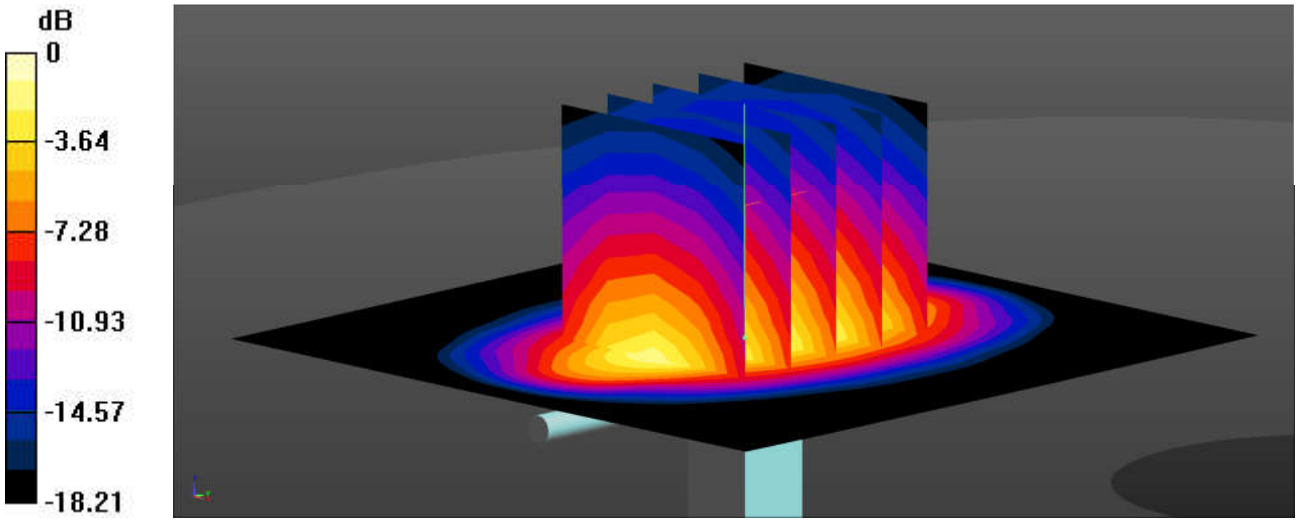
DUT: D1900V2 - SN:5d170

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1900 MHz; σ = 1.455 S/m; ε_r = 40.687; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.56, 8.56, 8.56); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.30 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.68 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.06 W/kg
Maximum value of SAR (measured) = 3.31 W/kg



0 dB = 3.31 W/kg = 5.20 dBW/kg

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

System Check_Head_2450MHz

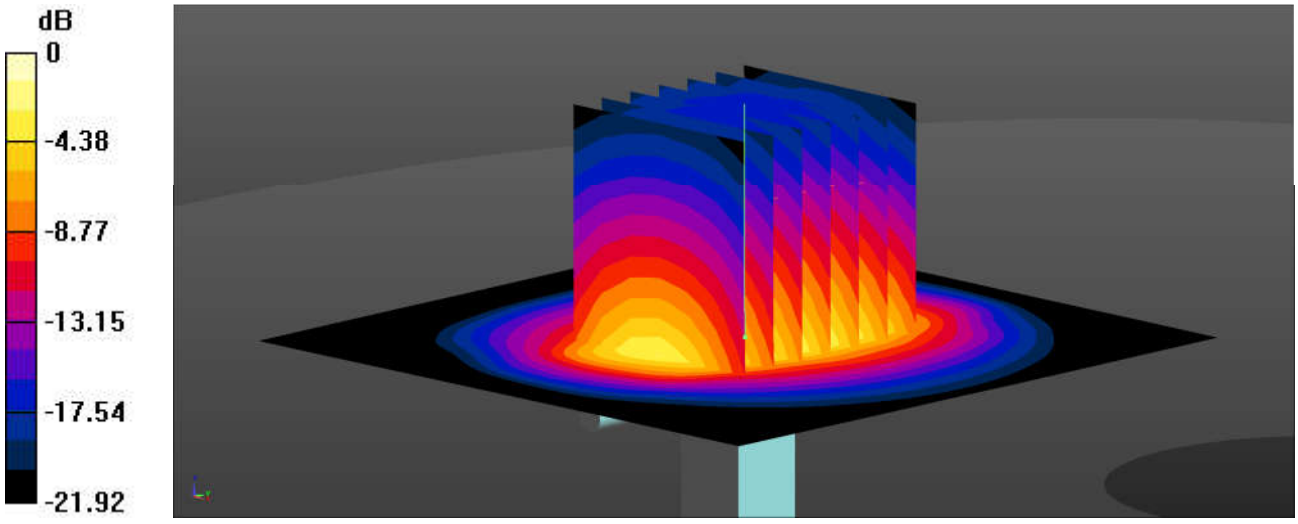
DUT: D2450V2 - SN:908

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2450 MHz; σ = 1.809 S/m; ε_r = 38.518; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.14, 8.14, 8.14); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.05 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.07 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 5.09 W/kg
SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.14 W/kg
Maximum value of SAR (measured) = 4.10 W/kg



0 dB = 4.10 W/kg = 6.13 dBW/kg

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

System Check_Head_2600MHz

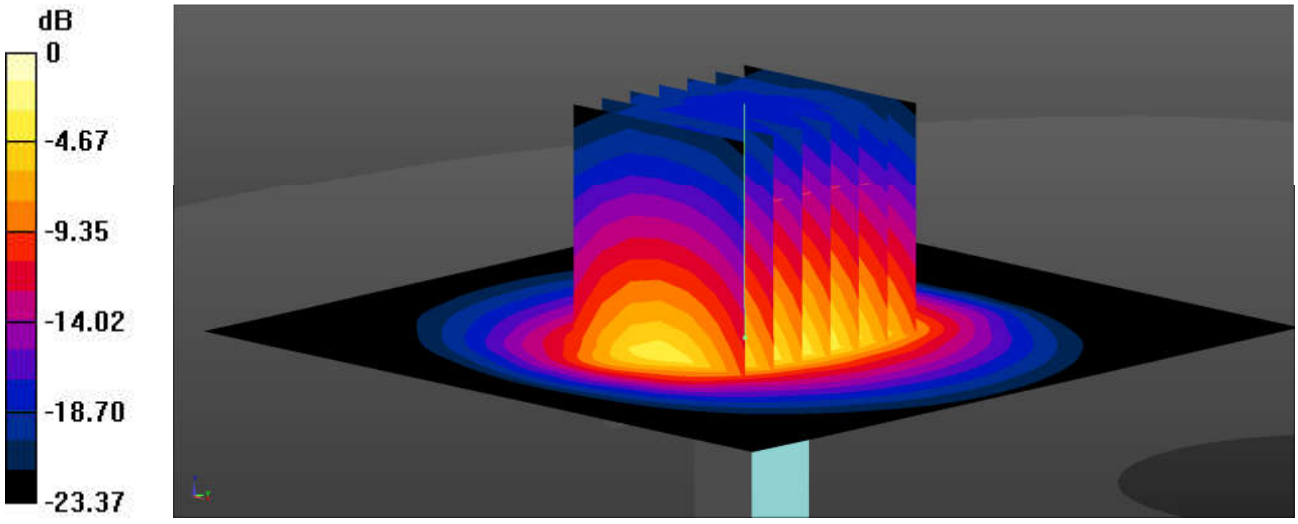
DUT: D2600V2 - SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2600 MHz; σ = 1.926 S/m; ε_r = 38.225; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.85, 7.85, 7.85); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.29 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.81 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 5.43 W/kg
SAR(1 g) = 2.64 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 4.34 W/kg



0 dB = 4.34 W/kg = 6.37 dBW/kg

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

System Check_Head_3500MHz

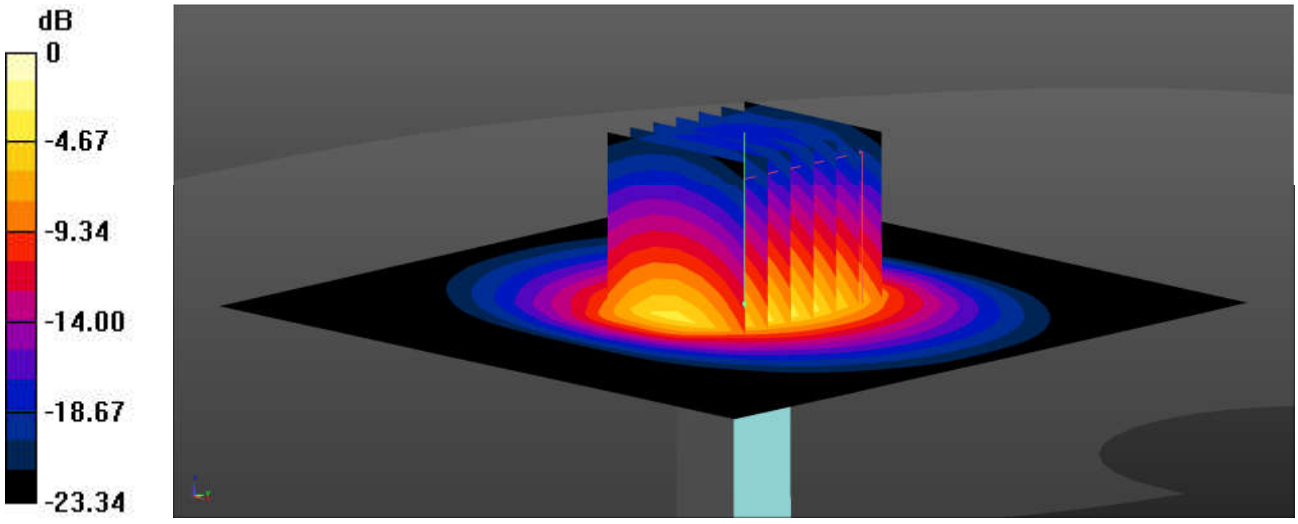
DUT: D3500V2 - SN:1037

Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium: HSL_3500 Medium parameters used: f = 3500 MHz; σ = 2.833 S/m; ε_r = 39.056; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.19, 7.19, 7.19); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.31 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 36.31 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 7.79 W/kg
SAR(1 g) = 3.22 W/kg; SAR(10 g) = 1.2 W/kg
Maximum value of SAR (measured) = 5.95 W/kg



0 dB = 5.95 W/kg = 7.75 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.4

System Check_Head_3700MHz

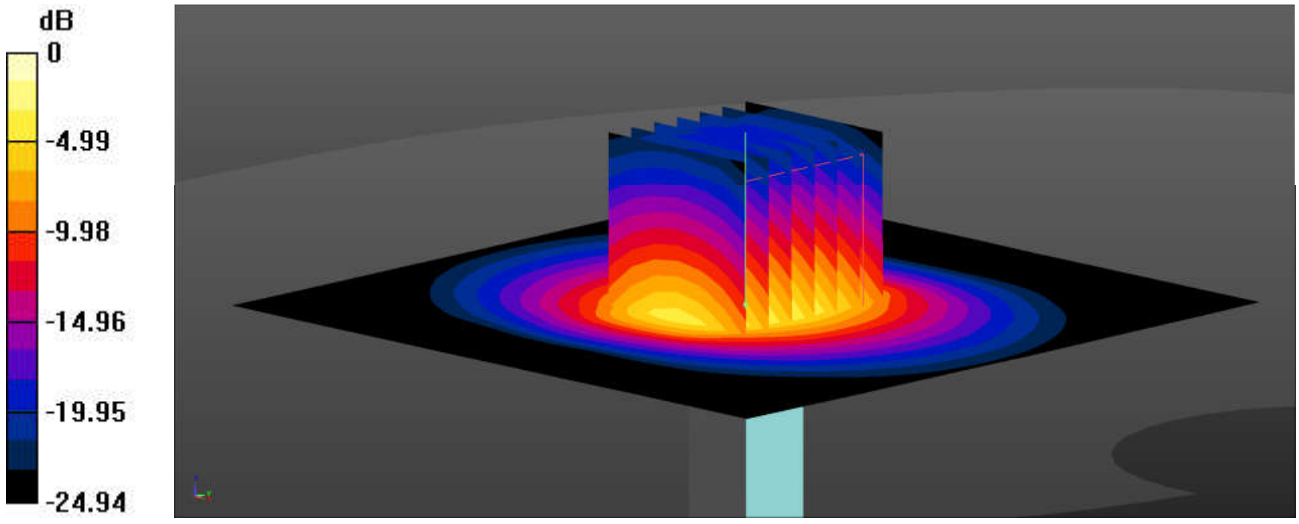
DUT: D3700V2 - SN:1008

Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium: HSL_3700 Medium parameters used: f = 3700 MHz; σ = 3.024 S/m; ε_r = 38.72; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.13, 7.13, 7.13); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.60 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 35.67 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 8.64 W/kg
SAR(1 g) = 3.22 W/kg; SAR(10 g) = 1.2 W/kg
Maximum value of SAR (measured) = 6.34 W/kg



0 dB = 6.34 W/kg = 8.02 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.4

System Check_Head_3900MHz

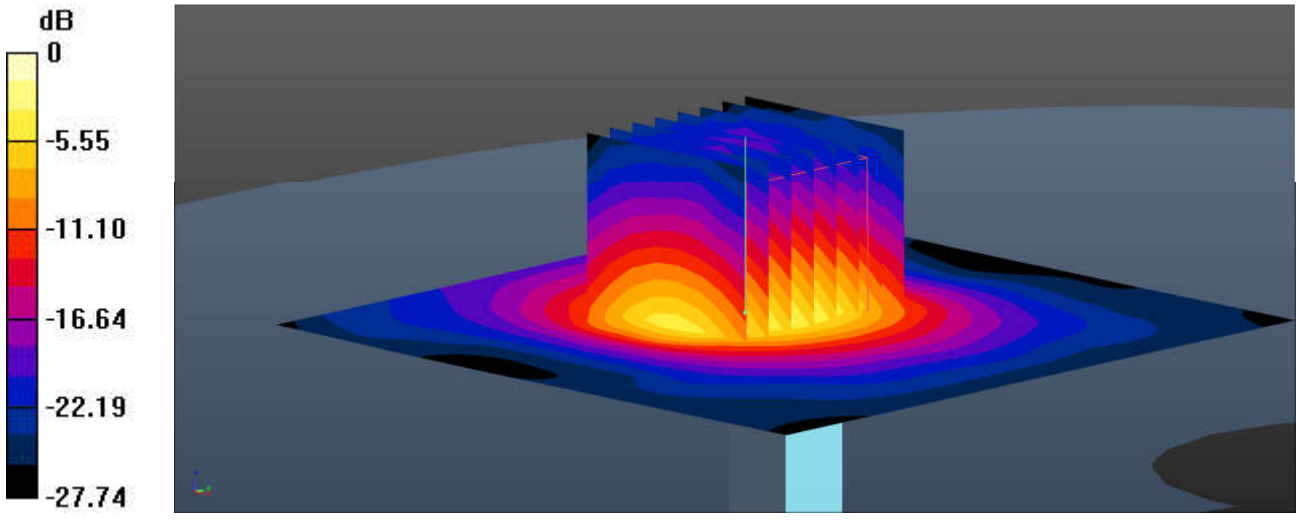
DUT: D3900V2 - SN:1048

Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium: HSL_3900 Medium parameters used: f = 3900 MHz; σ = 3.227 S/m; ε_r = 38.419; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.58, 6.58, 6.58); Calibrated: 2020.9.25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2020.11.27
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Pin=50mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 34.27 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 9.06 W/kg
SAR(1 g) = 3.38 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 6.84 W/kg



0 dB = 6.84 W/kg = 8.35 dBW/kg

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

System Check_Head_5250MHz

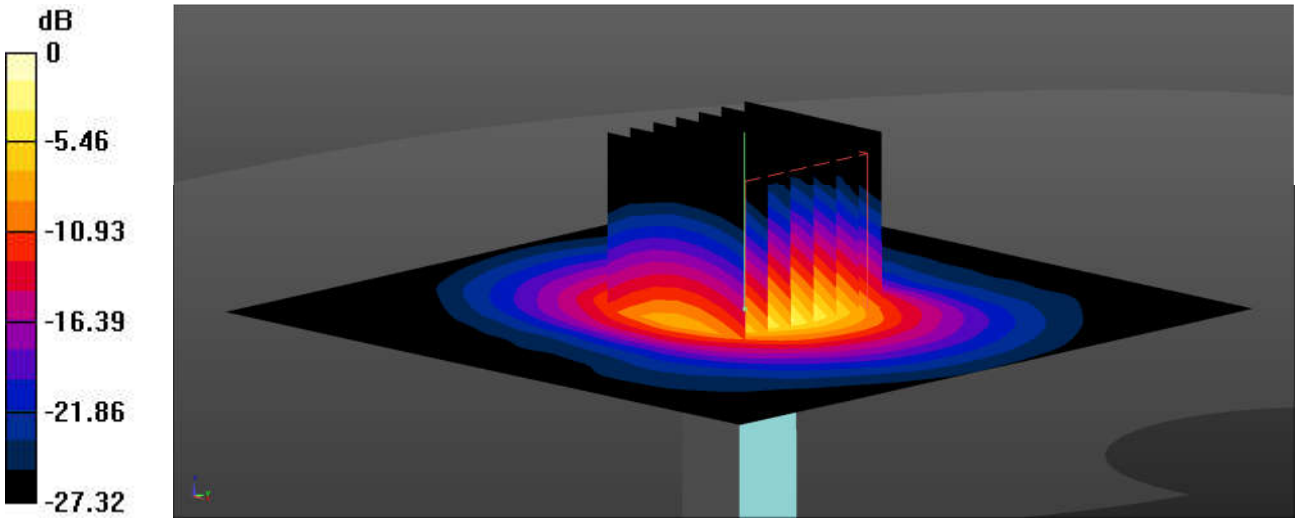
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5250 MHz; σ = 4.633 S/m; ε_r = 36.524; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.55, 5.55, 5.55); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.04 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.36 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 14.9 W/kg
SAR(1 g) = 3.91 W/kg; SAR(10 g) = 1.1 W/kg
Maximum value of SAR (measured) = 9.50 W/kg



0 dB = 9.50 W/kg = 9.78 dBW/kg

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

System Check_Head_5600MHz

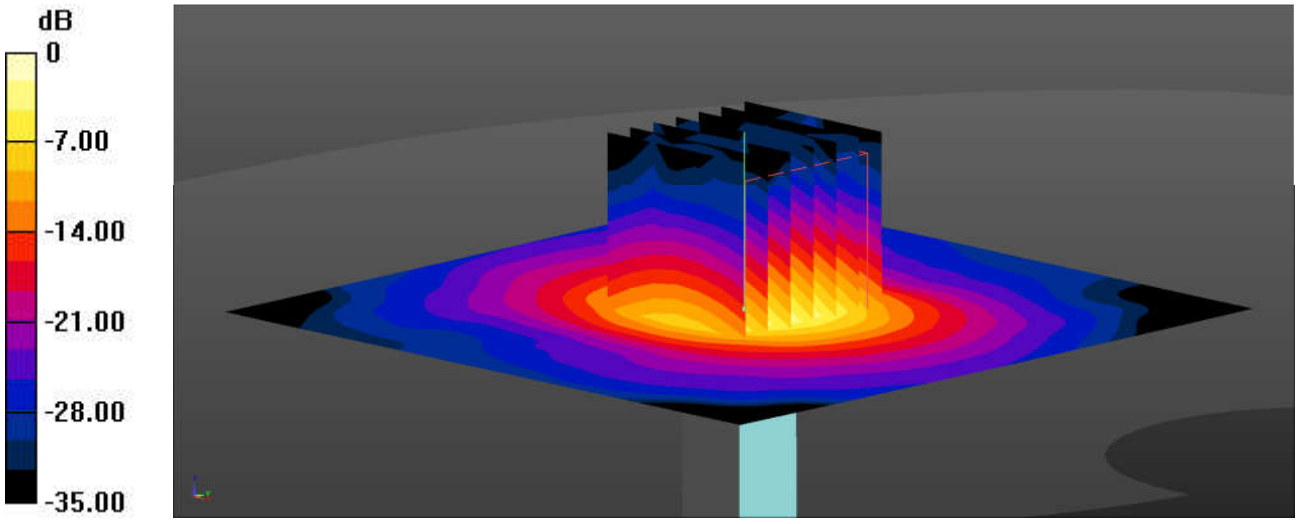
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5600 MHz; σ = 4.979 S/m; ε_r = 35.916; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.07, 5.07, 5.07); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.70 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.79 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 4.1 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 10.6 W/kg



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

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

System Check_Head_5750MHz

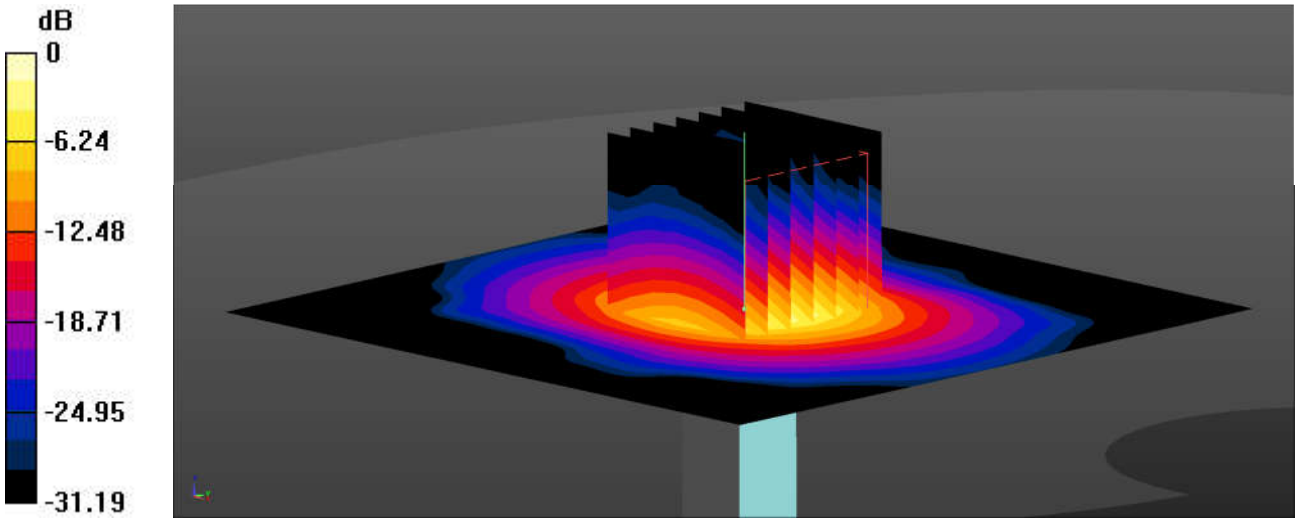
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5750 MHz; σ = 5.214 S/m; ε_r = 35.608; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.07, 5.07, 5.07); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.88 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.34 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.27 W/kg
Maximum value of SAR (measured) = 9.64 W/kg



0 dB = 9.64 W/kg = 9.84 dBW/kg

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

System Check_Head_750MHz

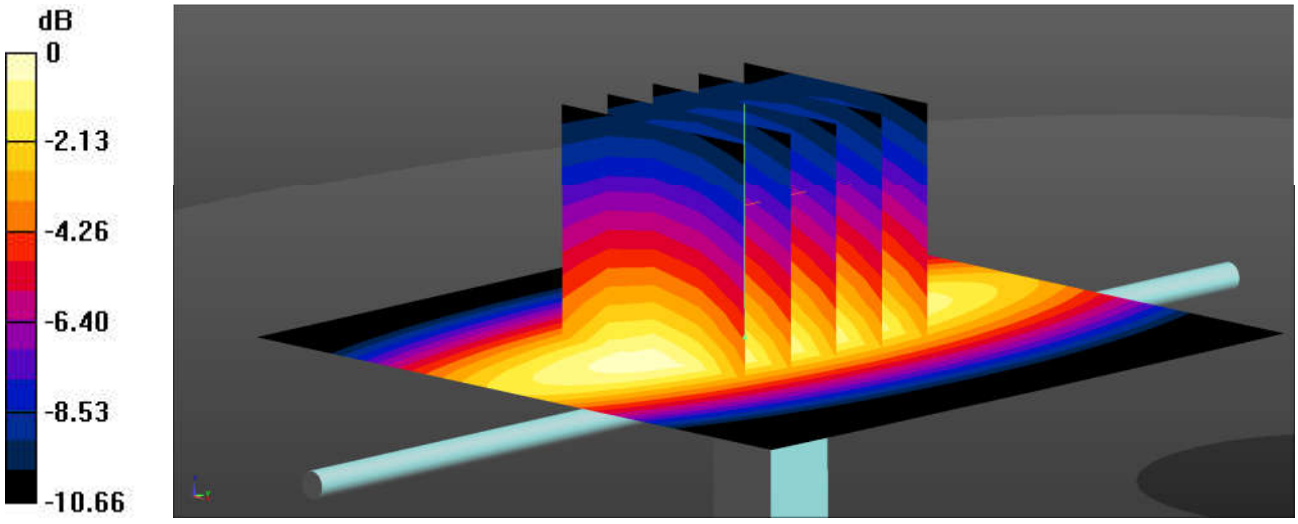
DUT: D750V3 - SN:1087

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 750 MHz; σ = 0.908 S/m; ε_r = 42.685; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.38, 10.38, 10.38); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.563 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.93 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.272 W/kg
Maximum value of SAR (measured) = 0.560 W/kg



0 dB = 0.560 W/kg = -2.52 dBW/kg

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

System Check_Head_835MHz

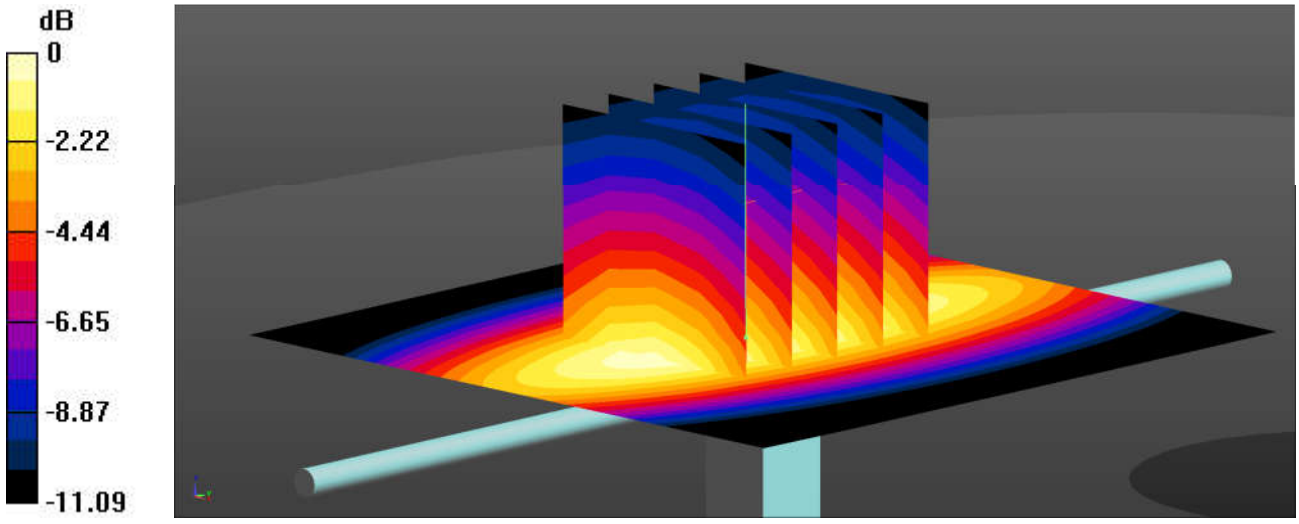
DUT: D835V2 - 4d258

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 835 MHz; σ = 0.935 S/m; ε_r = 42.541; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.699 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.11 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.785 W/kg
SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.326 W/kg
Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.11

System Check_Head_1750MHz

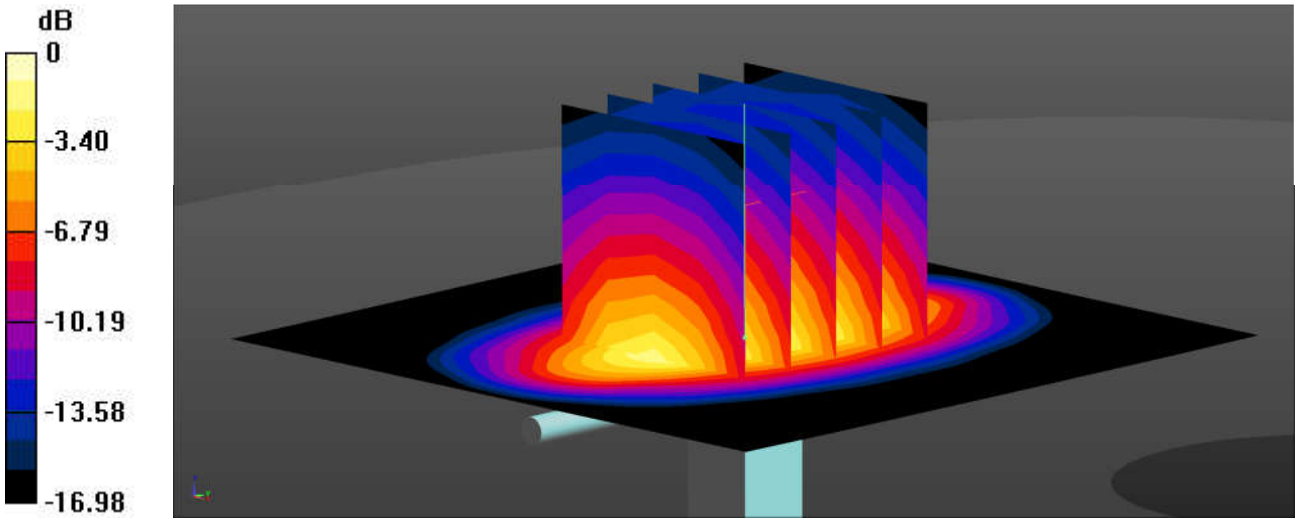
DUT: D1750V2 - SN:1090

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1750 MHz; σ = 1.359 S/m; ε_r = 40.934; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.86, 8.86, 8.86); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.85 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.49 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.36 W/kg
SAR(1 g) = 1.83 W/kg; SAR(10 g) = 0.971 W/kg
Maximum value of SAR (measured) = 2.84 W/kg



0 dB = 2.84 W/kg = 4.53 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.13

System Check_Head_1900MHz

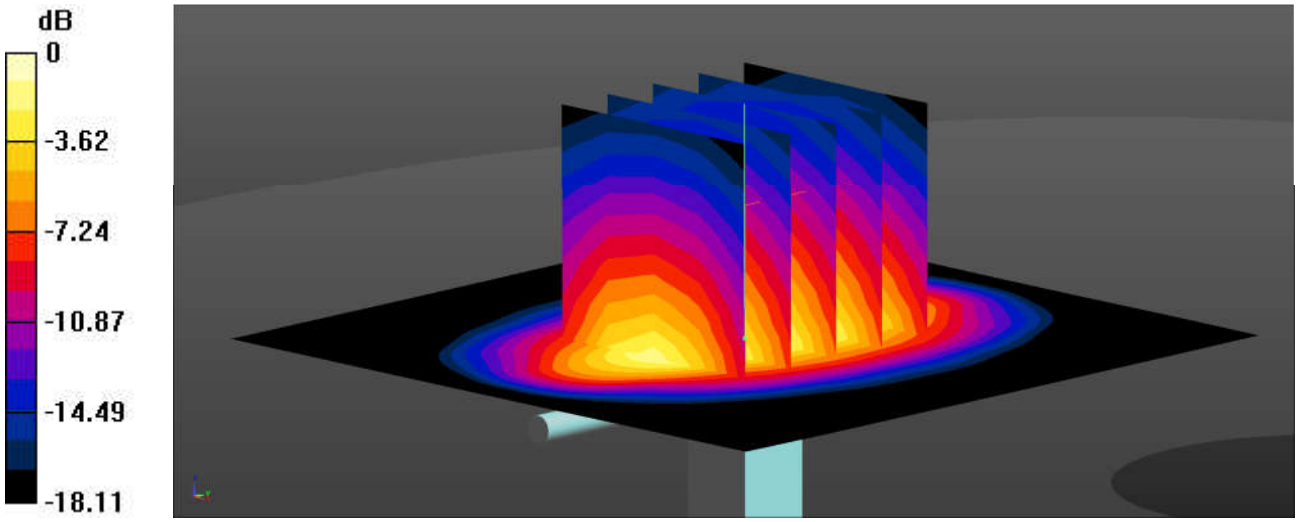
DUT: D1900V2 - SN:5d170

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1900 MHz; σ = 1.444 S/m; ε_r = 39.191; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.56, 8.56, 8.56); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.61 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.96 W/kg
SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.05 W/kg
Maximum value of SAR (measured) = 3.25 W/kg



0 dB = 3.25 W/kg = 5.12 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.15

System Check_Head_2450MHz

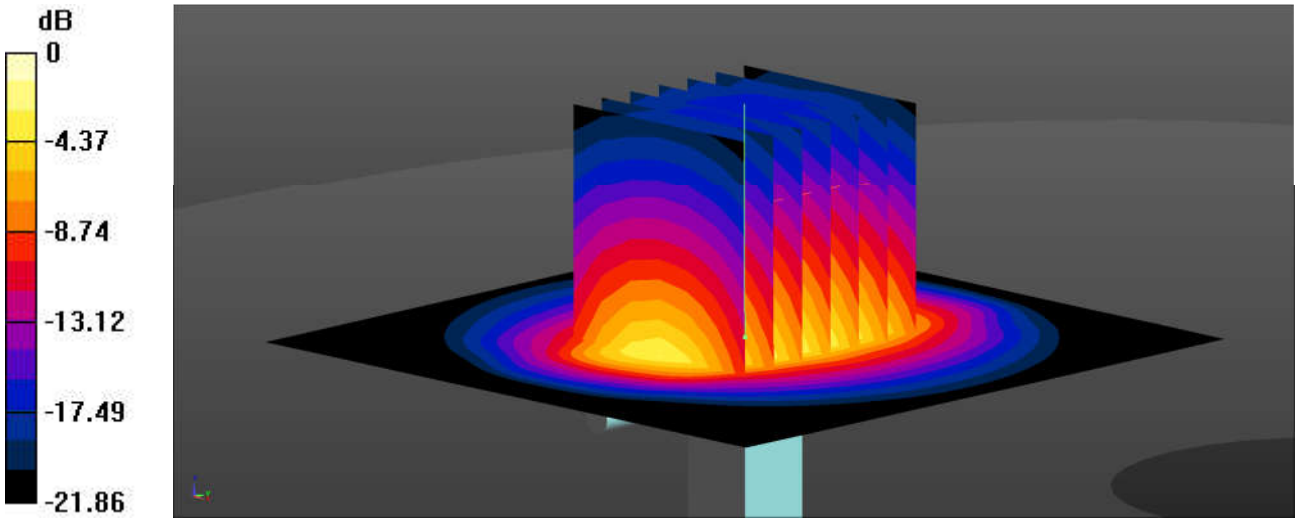
DUT: D2450V2 - SN:908

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2450 MHz; σ = 1.81 S/m; ε_r = 38.628; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.14, 8.14, 8.14); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.08 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.02 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.12 W/kg
SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.13 W/kg
Maximum value of SAR (measured) = 4.10 W/kg



0 dB = 4.10 W/kg = 6.13 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.16

System Check_Head_2600MHz

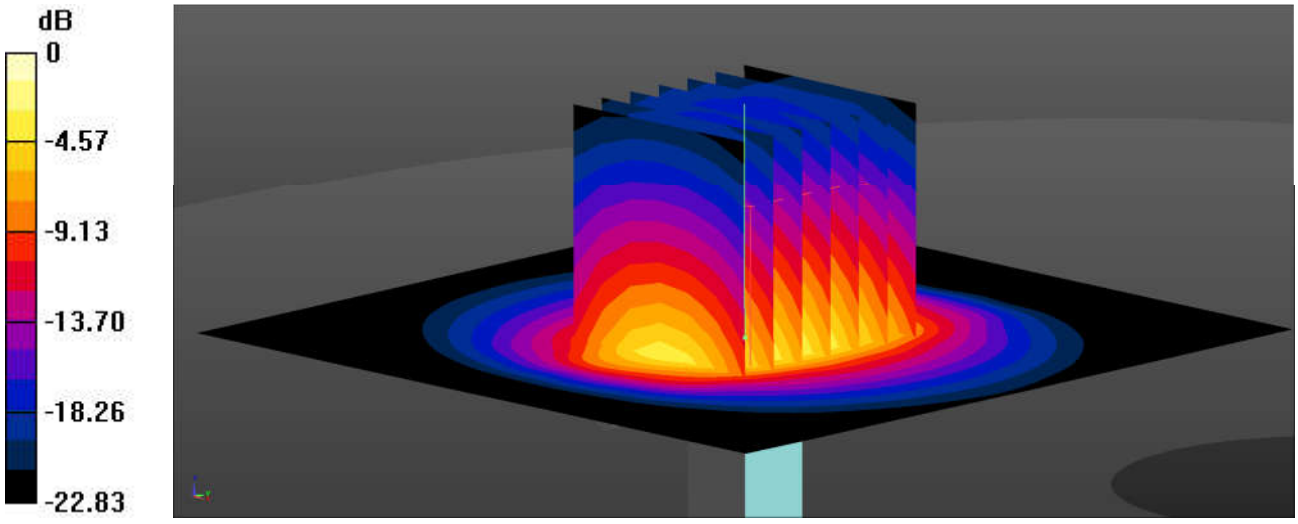
DUT: D2600V2 - SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2600 MHz; σ = 1.928 S/m; ε_r = 38.328; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.85, 7.85, 7.85); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.20 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.08 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 5.36 W/kg
SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.22 W/kg
Maximum value of SAR (measured) = 4.26 W/kg



0 dB = 4.26 W/kg = 6.29 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.18

System Check_Head_3500MHz

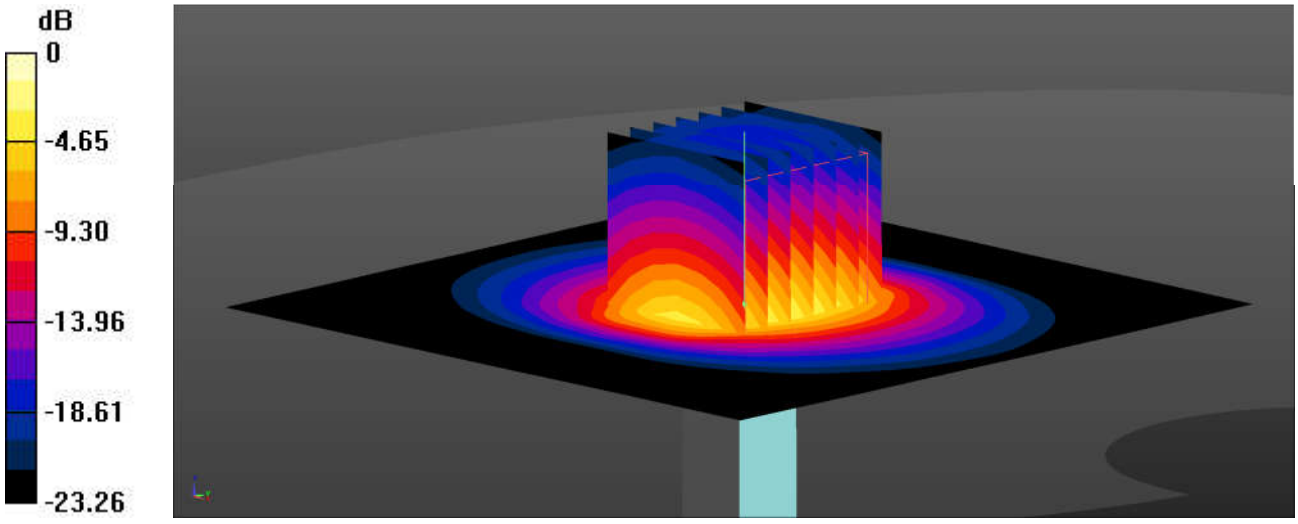
DUT: D3500V2 - SN:1037

Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium: HSL_3500 Medium parameters used: f = 3500 MHz; σ = 2.796 S/m; ε_r = 38.957; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.19, 7.19, 7.19); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.22 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 36.17 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 7.61 W/kg
SAR(1 g) = 3.28 W/kg; SAR(10 g) = 1.19 W/kg
Maximum value of SAR (measured) = 5.85 W/kg



0 dB = 5.85 W/kg = 7.67 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.19

System Check_Head_3700MHz

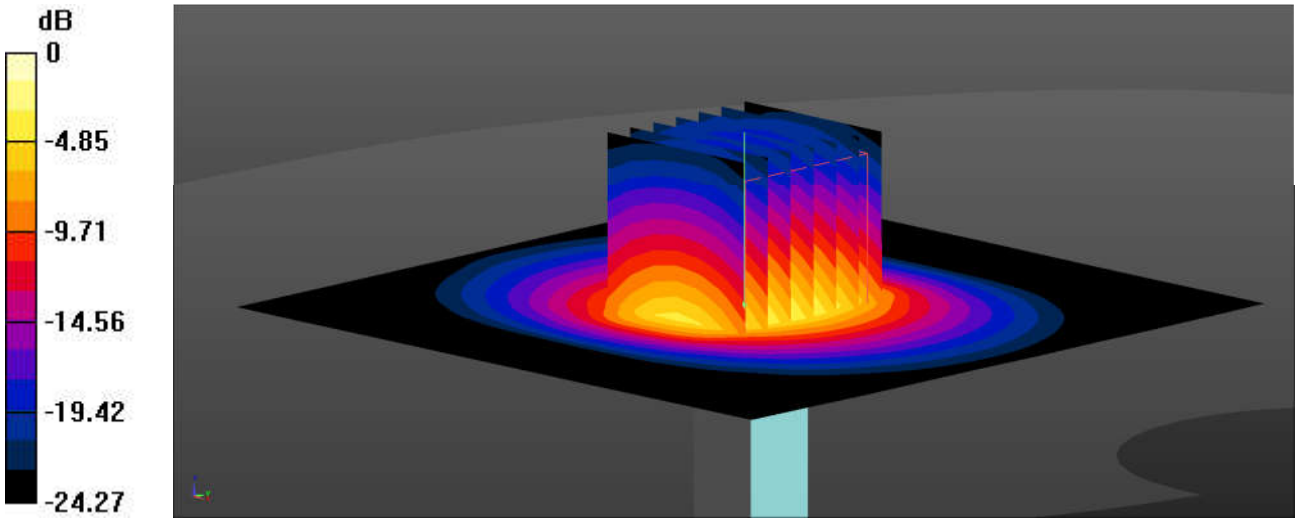
DUT: D3700V2 - SN:1008

Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium: HSL_3700 Medium parameters used: f = 3700 MHz; σ = 2.993 S/m; ε_r = 38.672; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.13, 7.13, 7.13); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.41 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 35.36 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 8.19 W/kg
SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.16 W/kg
Maximum value of SAR (measured) = 6.13 W/kg



0 dB = 6.13 W/kg = 7.87 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.19

System Check_Head_3900MHz

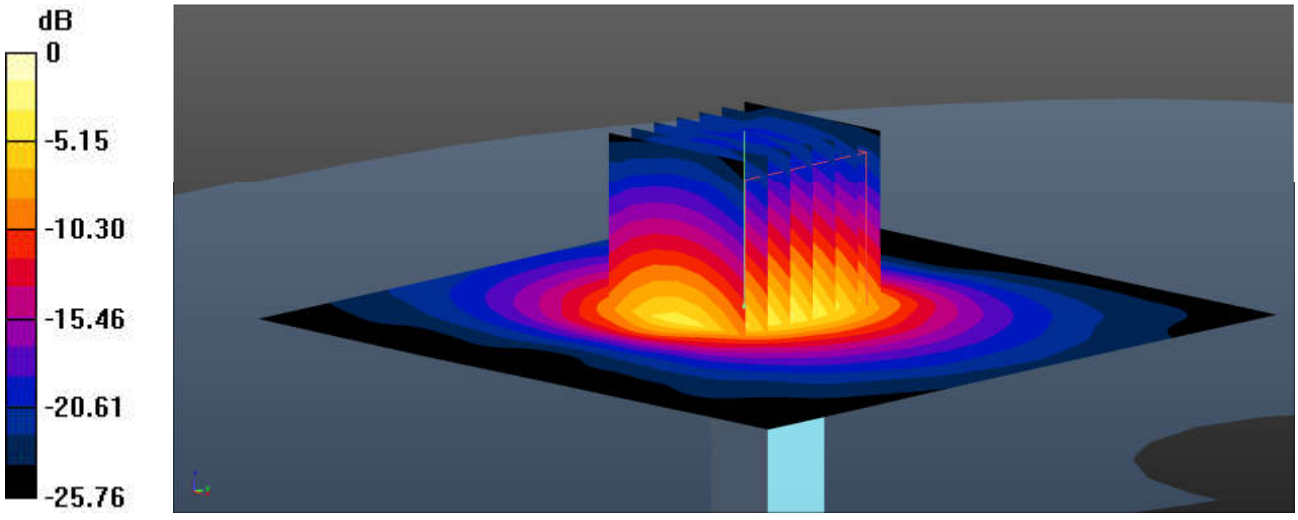
DUT: D3900V2 - SN:1048

Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium: HSL_3900 Medium parameters used: f = 3900 MHz; σ = 3.192 S/m; ε_r = 38.388; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.58, 6.58, 6.58); Calibrated: 2020.9.25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2020.11.27
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.06 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 41.54 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 8.91 W/kg
SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 6.79 W/kg = 8.32 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.20

System Check_Head_5250MHz

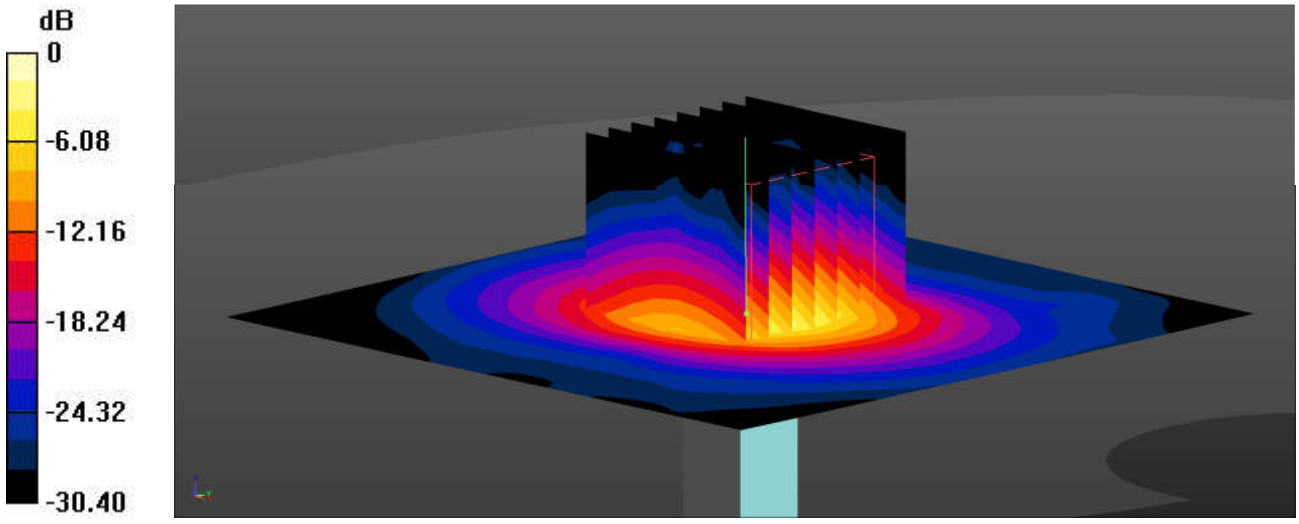
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5250 MHz; σ = 4.696 S/m; ε_r = 36.429; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.55, 5.55, 5.55); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.72 W/kg

Pin=50mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 49.34 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 15.0 W/kg
SAR(1 g) = 3.92 W/kg; SAR(10 g) = 1.1 W/kg
Maximum value of SAR (measured) = 9.45 W/kg



0 dB = 9.45 W/kg = 9.75 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.21

System Check_Head_5600MHz

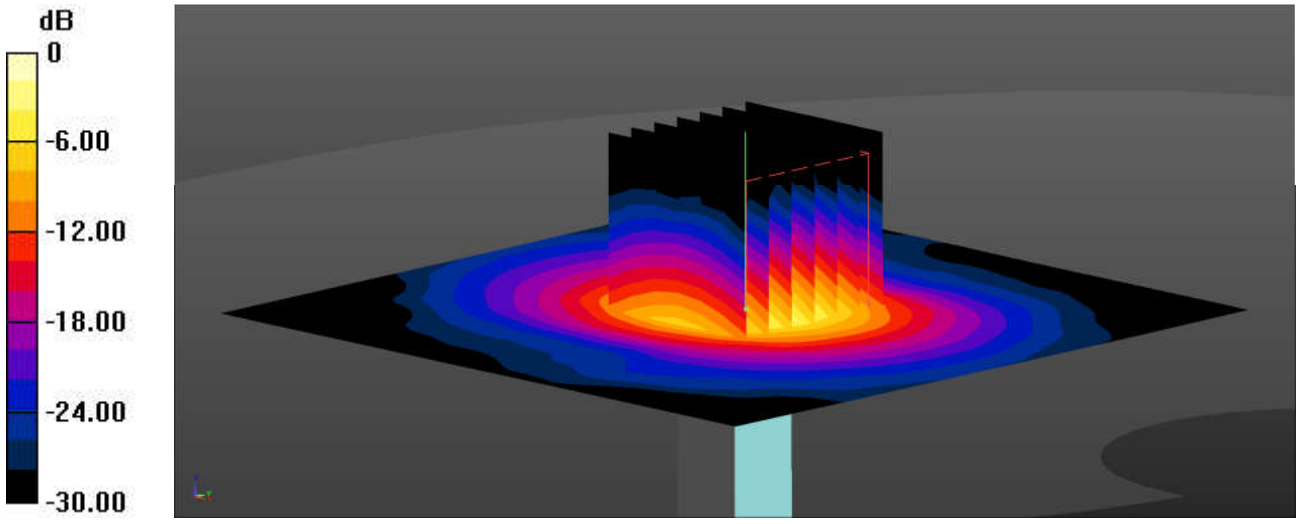
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5600 MHz; σ = 5.042 S/m; ε_r = 35.814; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(4.85, 4.85, 4.85); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.93 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.26 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 4.15 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 10.7 W/kg



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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2021.9.22

System Check_Head_5750MHz

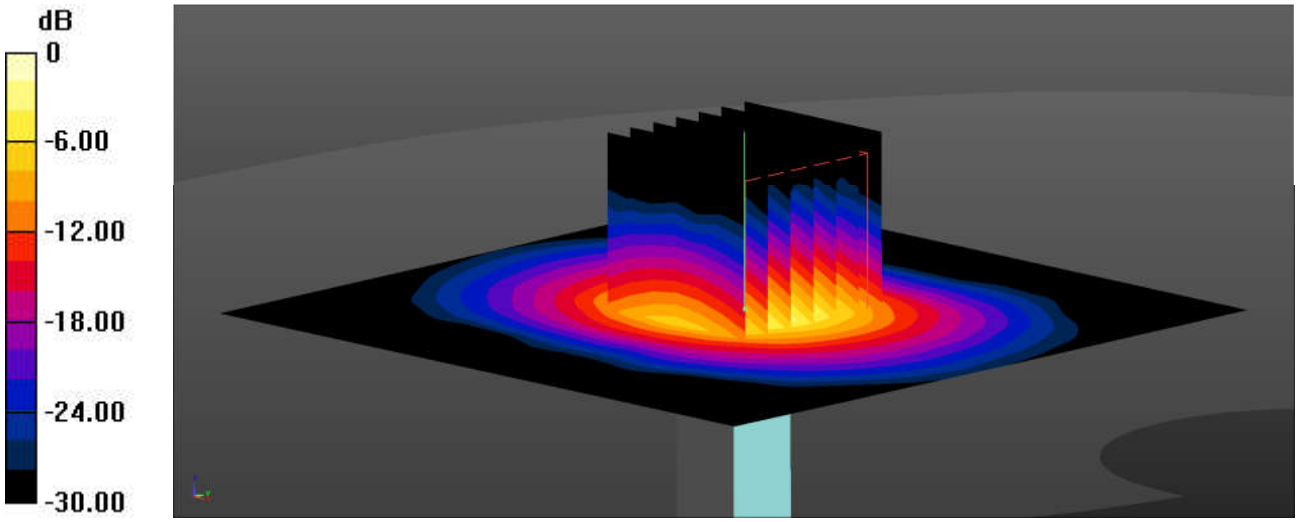
DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5750 MHz; σ = 5.279 S/m; ε_r = 35.501; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.07, 5.07, 5.07); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.03 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.27 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 3.99 W/kg; SAR(10 g) = 1.19 W/kg
Maximum value of SAR (measured) = 9.86 W/kg



0 dB = 9.86 W/kg = 9.94 dBW/kg

Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

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

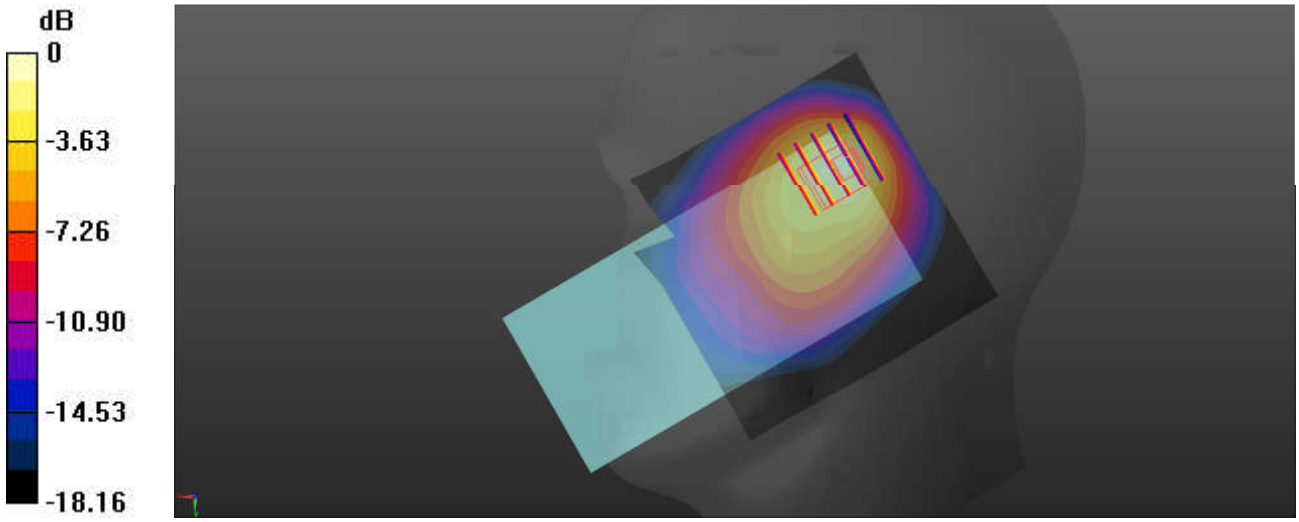
01_LTE Band 12_10M_QPSK_1RB_0Offset_Right Cheek_0mm_Ch23095

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 707.5 MHz; σ = 0.89 S/m; ε_r = 42.816; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.38, 10.38, 10.38); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.830 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.21 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.991 W/kg



0 dB = 0.991 W/kg = -0.04 dBW/kg

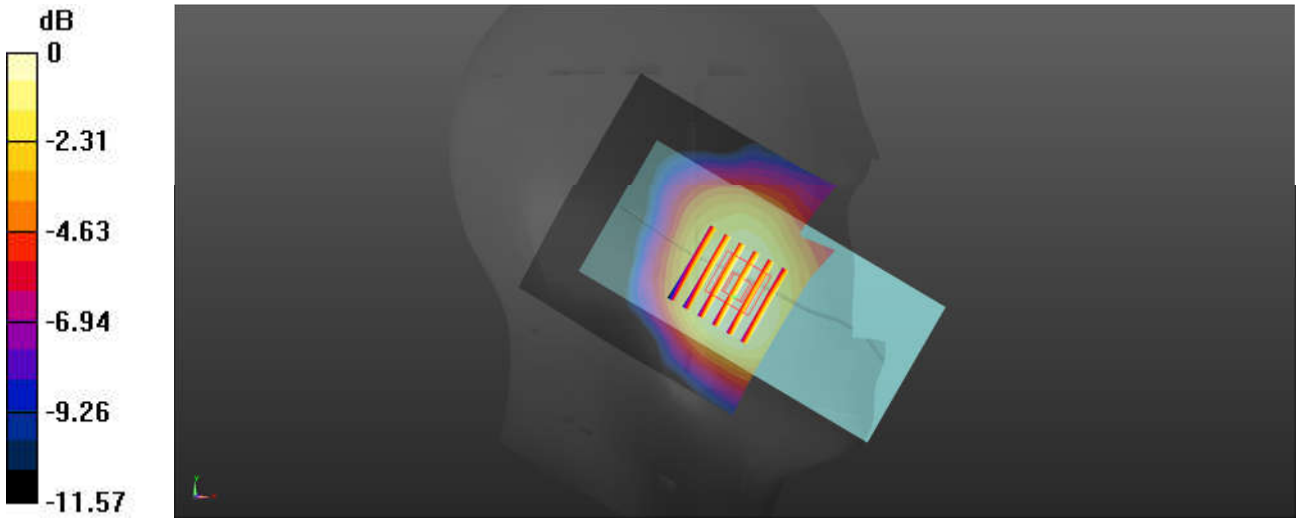
02_LTE Band 13_10M_QPSK_1RB_0Offset_Left Cheek_0mm_Ch23230

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 782 MHz; σ = 0.92 S/m; ε_r = 42.638; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.38, 10.38, 10.38); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.255 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.10 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.270 W/kg
SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.168 W/kg
Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.251 W/kg = -6.00 dBW/kg

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

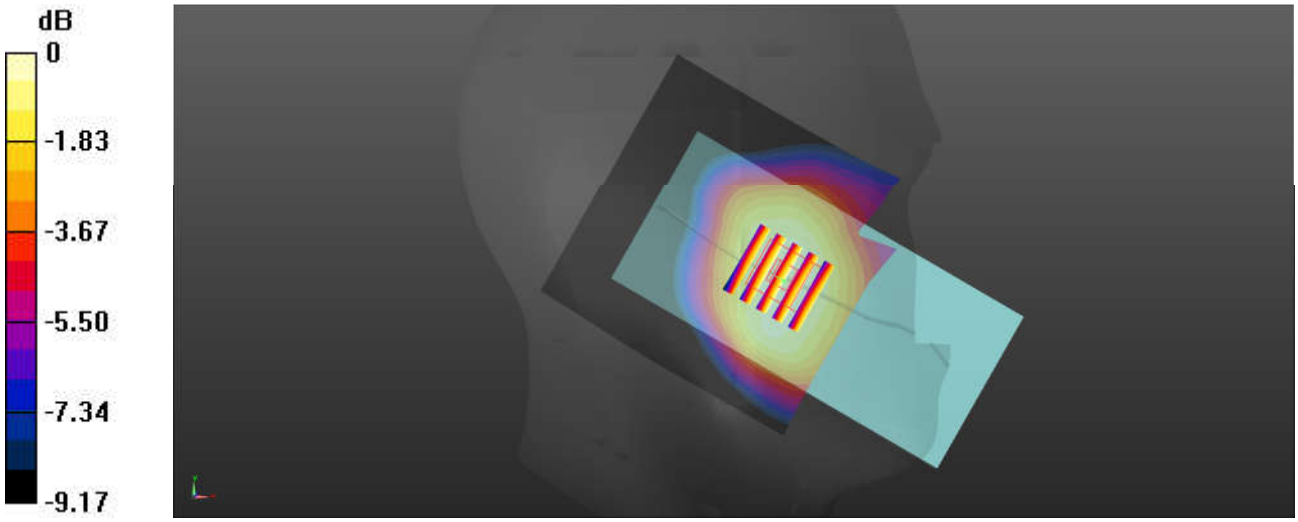
03_GSM850_GPRS (2 Tx slots)_Left Cheek_0mm_Ch189

Communication System: UID 0, GSM850 (0); Frequency: 836.4 MHz;Duty Cycle: 1:4.15
Medium: HSL_835 Medium parameters used: f = 836.4 MHz; σ = 0.939 S/m; ε_r = 42.439; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.666 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.96 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.729 W/kg
SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 0.677 W/kg



0 dB = 0.677 W/kg = -1.69 dBW/kg

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

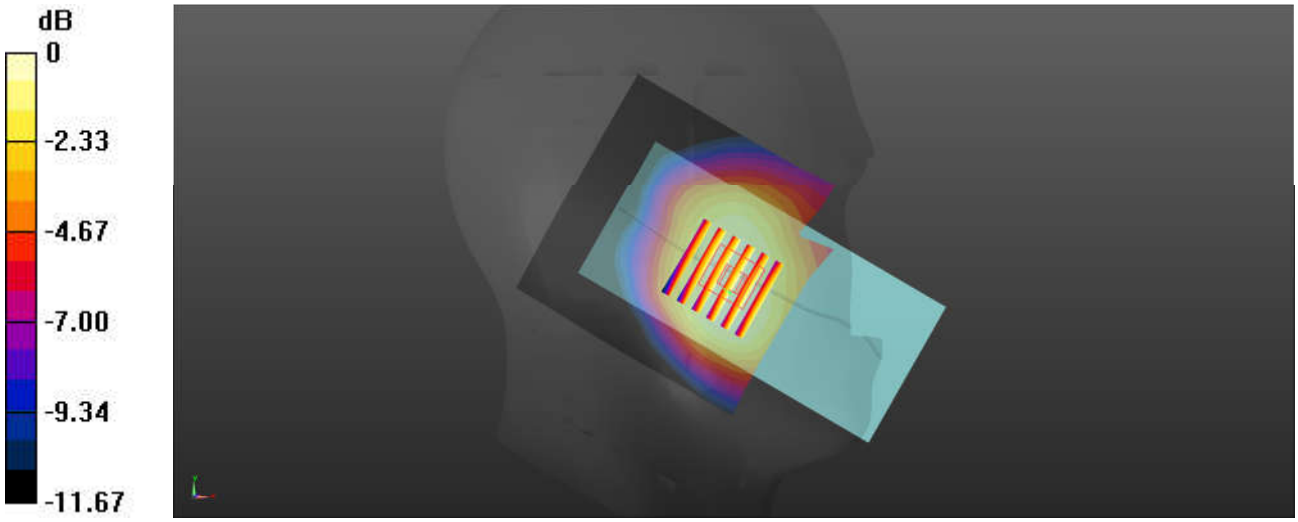
04_WCDMA V_RMC 12.2Kbps_Left Cheek_0mm_Ch4182

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 836.4 MHz; σ = 0.939 S/m; ε_r = 42.439; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.372 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.40 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.404 W/kg
SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.250 W/kg
Maximum value of SAR (measured) = 0.373 W/kg



0 dB = 0.373 W/kg = -4.28 dBW/kg

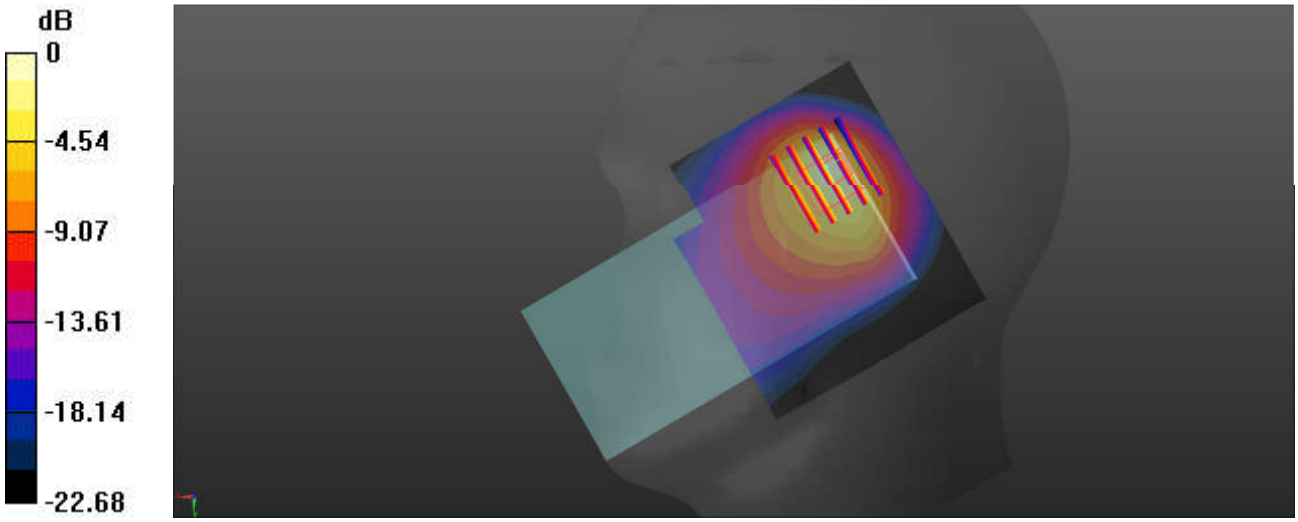
05_LTE Band 5_10M_QPSK_1RB_0Offset_Right Tilted_0mm_Ch20525

Communication System: UID 0, LTE-FDD (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 42.438; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- 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) = 1.76 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.22 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 3.20 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.523 W/kg
Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

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

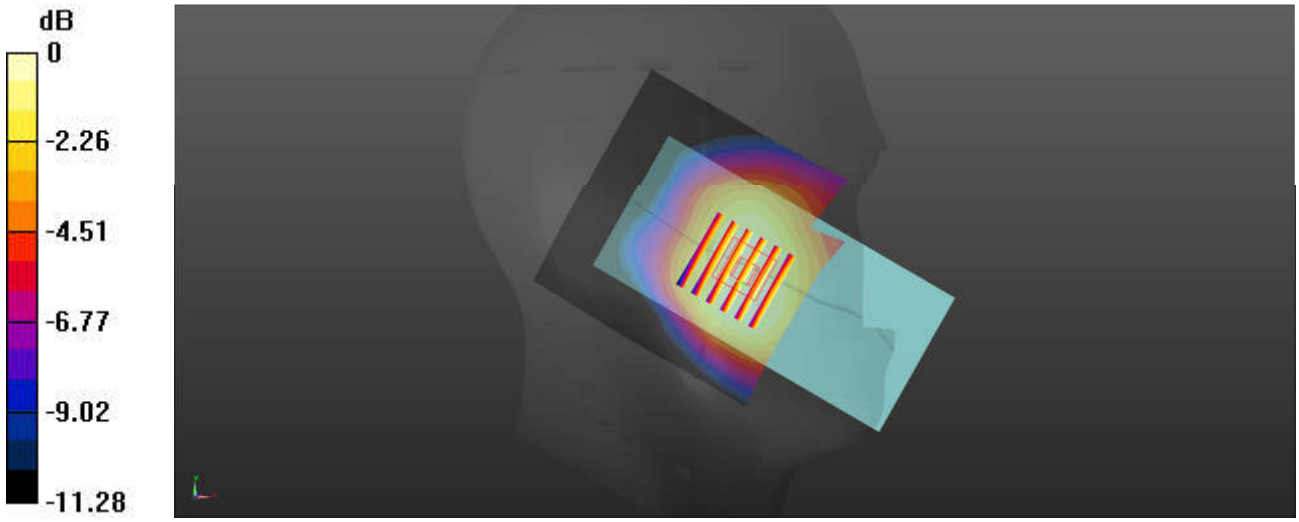
06_LTE Band 26_15M_QPSK_1RB_0Offset_Left Cheek_0mm_Ch26865

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 831.5 MHz; σ = 0.936 S/m; ε_r = 42.462; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.334 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.23 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.360 W/kg
SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg = -4.79 dBW/kg

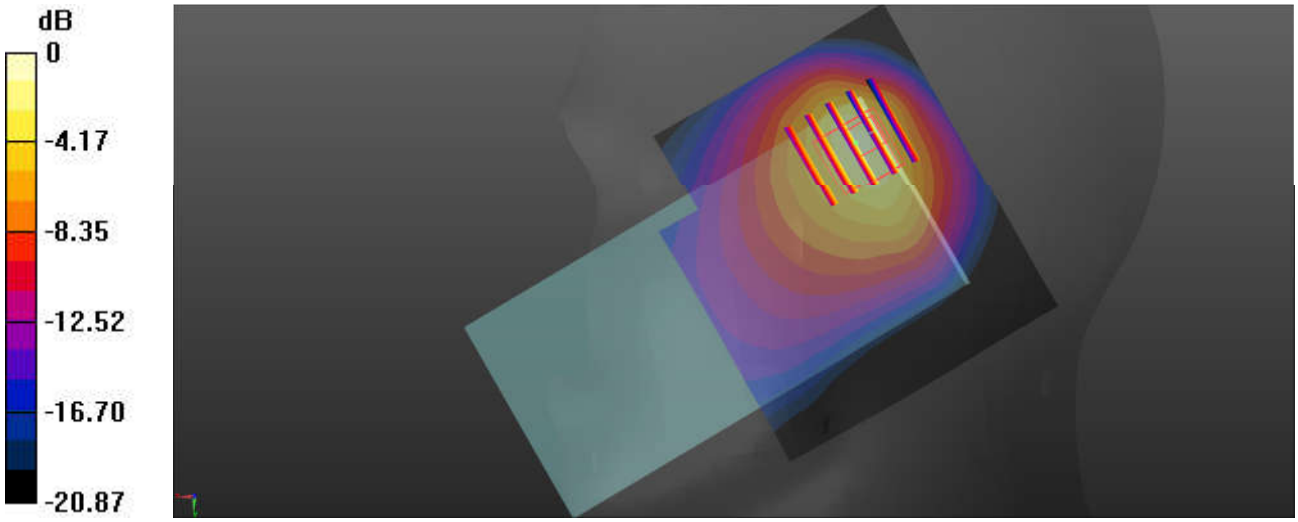
07_FR1 n5_20M_QPSK_1RB_1Offset_Right Tilted_0mm_Ch167300

Communication System: UID 0, 5G NR (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 42.438; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(10.24, 10.24, 10.24); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- 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) = 1.29 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.22 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.42 W/kg
SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.458 W/kg
Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg = 2.07 dBW/kg

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

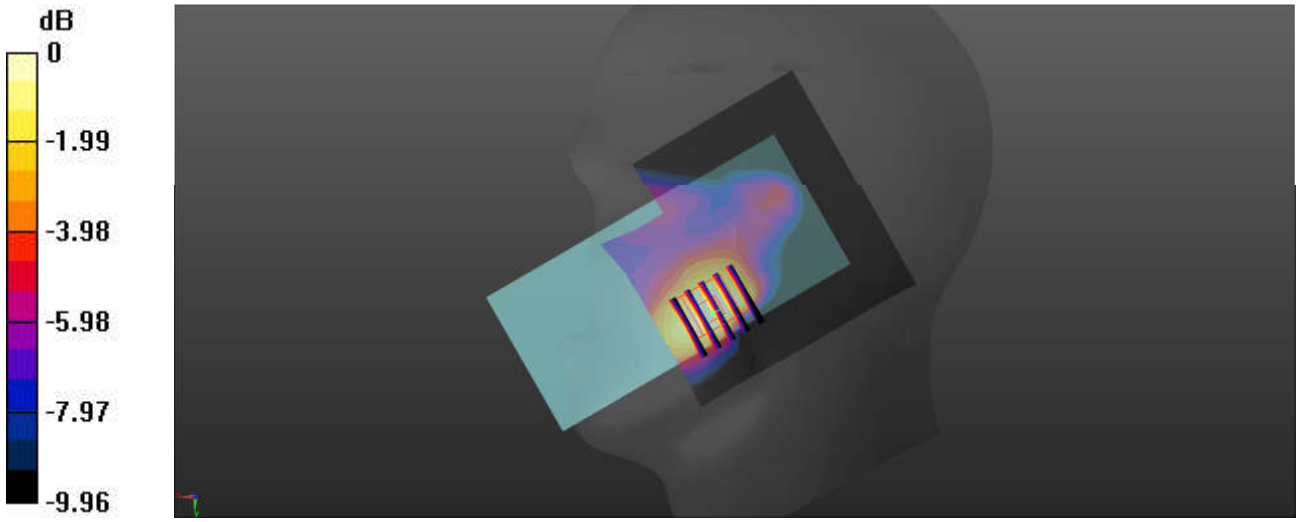
08_WCDMA IV_RMC 12.2Kbps_Right Cheek_0mm_Ch1413

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1732.6 MHz; σ = 1.347 S/m; ε_r = 40.978;
$\rho = 1000_{kg/m^3}$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.86, 8.86, 8.86); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.272 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.47 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.217 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg

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

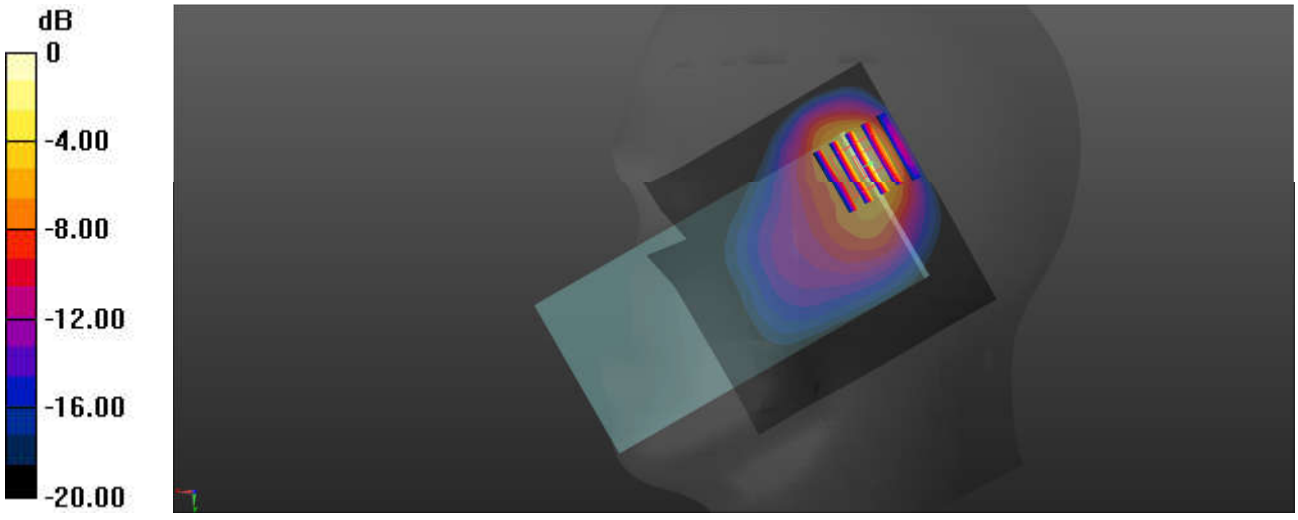
09_LTE Band 66_20M_QPSK_1RB_0Offset_Right Tilted_0mm_Ch132572

Communication System: UID 0, LTE-FDD (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1770 MHz; σ = 1.373 S/m; ε_r = 40.937; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.86, 8.86, 8.86); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.76 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.426 W/kg
Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

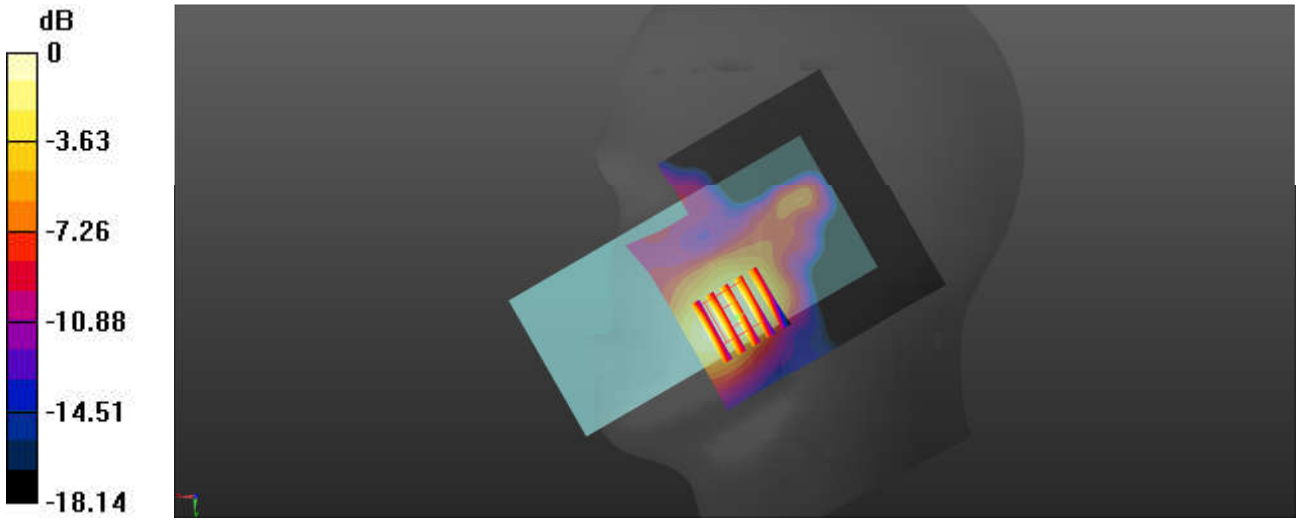
10_FR1 n66_40M_QPSK_1RB_1Offset_Right Cheek_0mm_Ch349000

Communication System: UID 0, 5G NR (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1745 MHz; σ = 1.356 S/m; ε_r = 40.949; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.86, 8.86, 8.86); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.126 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.889 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg = -9.51 dBW/kg

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

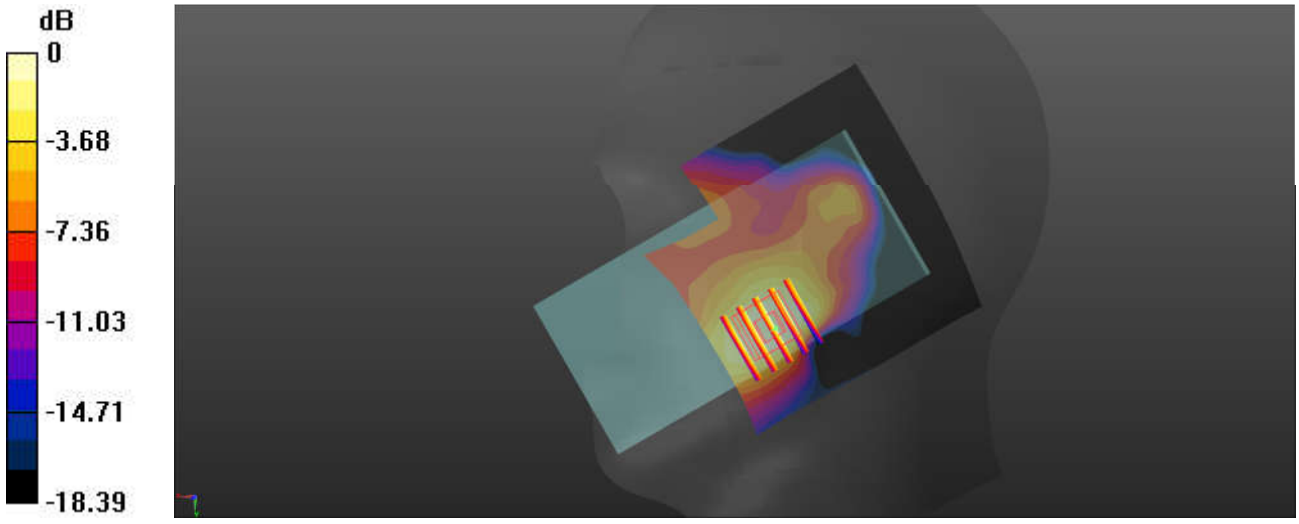
11_GSM1900 _GPRS (3 Tx slots)_Right Cheek_0mm_Ch661

Communication System: UID 0, PCS (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.444 S/m; ε_r = 40.708; ρ =1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.56, 8.56, 8.56); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.187 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.893 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.071 W/kg
Maximum value of SAR (measured) = 0.152 W/kg



0 dB = 0.152 W/kg = -8.18 dBW/kg

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

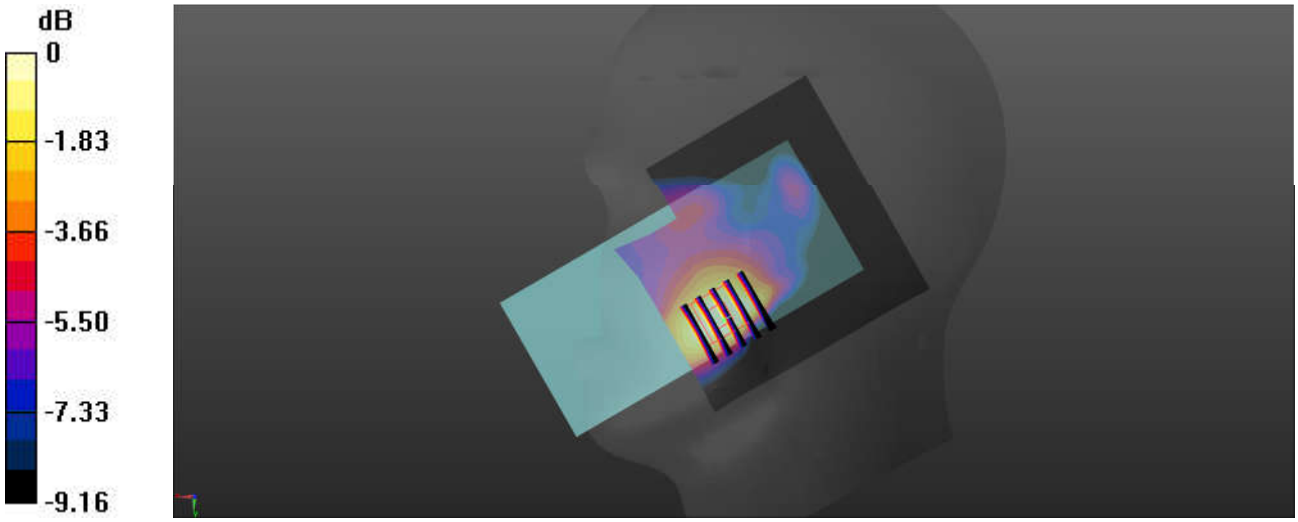
12_WCDMA II_RMC 12.2Kbps_Right Cheek_0mm_Ch9400

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.444 S/m; ε_r = 40.708; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.56, 8.56, 8.56); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): 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=8mm, dy=8mm, dz=5mm
Reference Value = 13.76 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.276 W/kg



0 dB = 0.276 W/kg = -5.59 dBW/kg

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

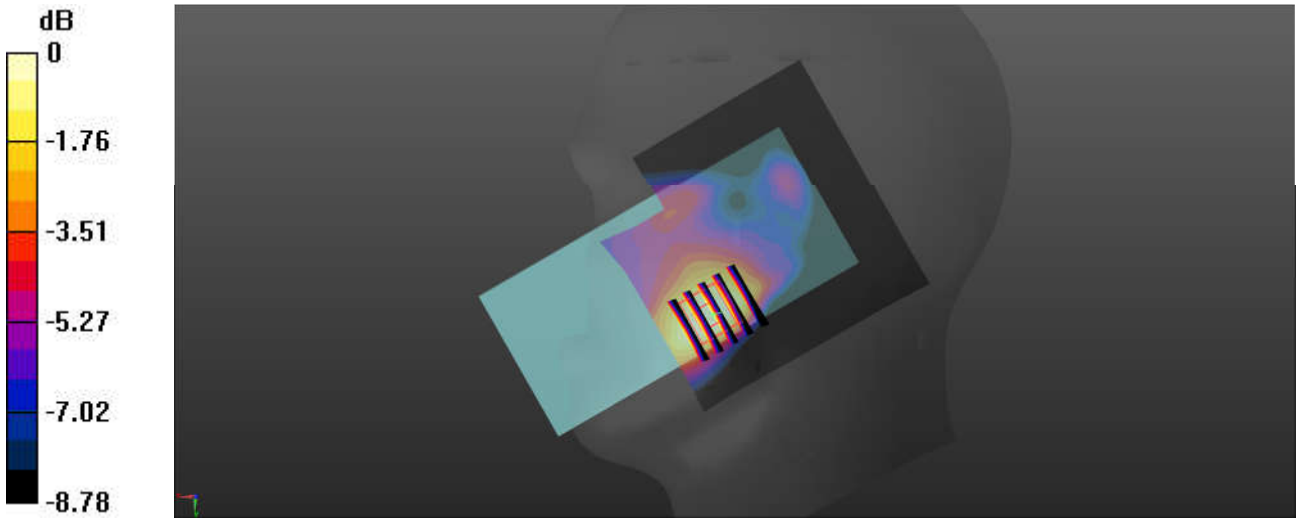
13_LTE Band 2_20M_QPSK_1RB_0Offset_Right Cheek_0mm_Ch18900

Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.444 S/m; ε_r = 40.708; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.56, 8.56, 8.56); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): 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 = 12.71 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.120 W/kg
Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg = -5.95 dBW/kg

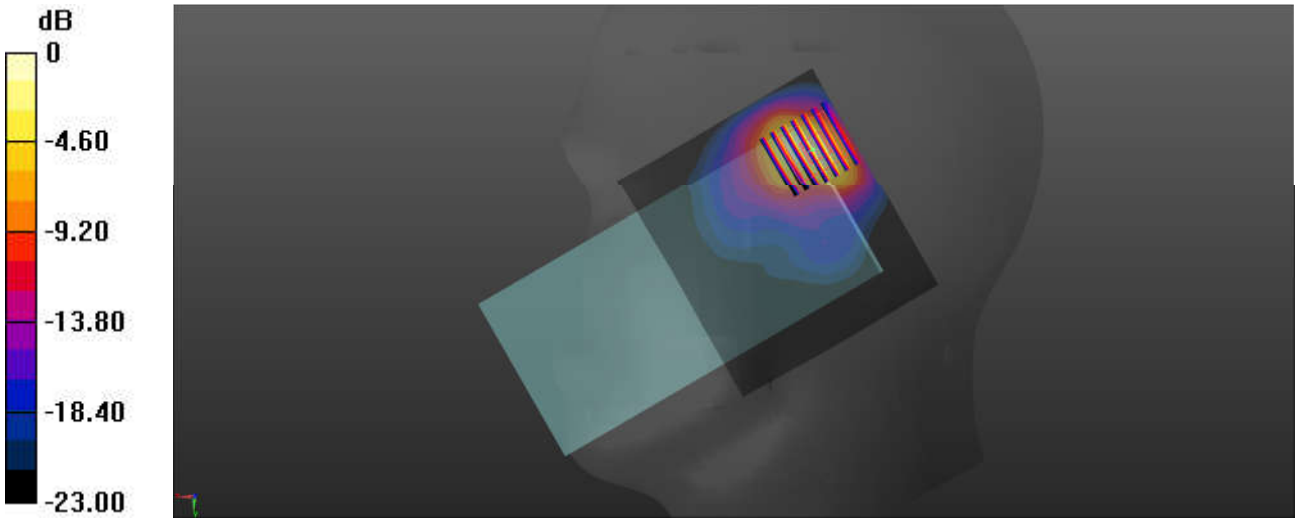
14_LTE Band 7_20M_QPSK_1RB_0Offset_Right Tilted_0mm_Ch21100

Communication System: UID 0, LTE-FDD (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2535 MHz; σ = 1.869 S/m; ε_r = 38.446; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.85, 7.85, 7.85); Calibrated: 2021.2.10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn690; Calibrated: 2021.3.17
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-2022
- 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) = 2.01 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 36.17 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.373 W/kg
Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg