



<TDD LTE SAR>

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)	Reported 1g SAR (W/kg)
	LTE Band 41-PC3	20M	QPSK	1	49	-	Front	5mm	Ant 1	-	Reduced	40185	2549.5	18.07	19.00	1.239	62.9	1.006	0.02	0.424	0.528
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	40185	2549.5	18.07	19.00	1.239	62.9	1.006	0.01	1.030	1.284
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	39750	2506	18.03	19.00	1.250	62.9	1.006	0.18	0.888	1.117
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	40620	2593	17.94	19.00	1.276	62.9	1.006	-0.12	0.802	1.030
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	41055	2636.5	17.94	19.00	1.276	62.9	1.006	0.01	0.668	0.858
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	41490	2680	17.86	19.00	1.300	62.9	1.006	0.06	0.643	0.841
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	40185	2549.5	18.07	19.00	1.239	62.9	1.006	0.06	1.040	1.296
	LTE Band 41C-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	40185+39987	2549.5+2529.7	17.90	19.00	1.288	62.9	1.006	0.03	0.980	1.270
	LTE Band 41C-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	39750+39948	2506+2525.8	17.66	19.00	1.361	62.9	1.006	0.06	0.934	1.279
	LTE Band 41C-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	40620+40422	2593+2573.2	17.76	19.00	1.330	62.9	1.006	-0.05	0.923	1.235
	LTE Band 41C-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	41055+40857	2636.5+2616.7	17.67	19.00	1.358	62.9	1.006	-0.13	0.867	1.185
	LTE Band 41C-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	41490+41292	2680+2660.2	17.71	19.00	1.346	62.9	1.006	0.09	0.813	1.101
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	39750	2506	18.03	19.00	1.250	62.9	1.006	0.12	0.986	1.240
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	40620	2593	17.94	19.00	1.276	62.9	1.006	0.02	0.975	1.252
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	41055	2636.5	17.94	19.00	1.276	62.9	1.006	0.09	0.826	1.061
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	41490	2680	17.86	19.00	1.300	62.9	1.006	-0.05	0.731	0.956
	LTE Band 41-PC3	20M	QPSK	1	49	-	Front	19mm	Ant 1	-	Full	40185	2549.5	22.97	24.00	1.268	62.9	1.006	0.11	0.301	0.384
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	24mm	Ant 1	Headset	Full	40185	2549.5	22.97	24.00	1.268	62.9	1.006	0.01	0.331	0.422
	LTE Band 41-PC3	20M	QPSK	50	24	-	Front	5mm	Ant 1	-	Reduced	40185	2549.5	17.05	18.00	1.245	62.9	1.006	-0.13	0.333	0.417
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	40185	2549.5	17.05	18.00	1.245	62.9	1.006	0.18	0.861	1.078
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	39750	2506	16.98	18.00	1.265	62.9	1.006	-0.12	0.765	0.973
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	40620	2593	17.03	18.00	1.250	62.9	1.006	-0.08	0.779	0.980
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	41055	2636.5	16.90	18.00	1.288	62.9	1.006	-0.13	0.676	0.876
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	41490	2680	16.88	18.00	1.294	62.9	1.006	0.18	0.598	0.779
	LTE Band 41-PC3	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	Reduced	40185	2549.5	16.91	18.00	1.285	62.9	1.006	0.03	0.857	1.108
	LTE Band 41-PC3	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	Reduced	40185	2549.5	15.30	16.00	1.175	62.9	1.006	0.09	0.224	0.265
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	40185	2549.5	15.30	16.00	1.175	62.9	1.006	0.09	0.786	0.929
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	39750	2506	15.14	16.00	1.219	62.9	1.006	0.06	0.869	1.066
	LTE Band 41C-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	39750+39948	2506+2525.8	14.77	16.00	1.327	62.9	1.006	0.03	0.774	1.034
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	40620	2593	15.28	16.00	1.180	62.9	1.006	-0.05	0.674	0.800
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	41055	2636.5	15.13	16.00	1.222	62.9	1.006	0.02	0.559	0.687
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	41490	2680	15.03	16.00	1.250	62.9	1.006	0.06	0.483	0.607
	LTE Band 41-PC3	20M	QPSK	1	49	-	Front	19mm	Ant 2	-	Full	40185	2549.5	21.27	22.00	1.183	62.9	1.006	0.08	0.162	0.193
	LTE Band 41-PC3	20M	QPSK	1	49	-	Back	24mm	Ant 2	-	Full	39750	2506	21.19	22.00	1.205	62.9	1.006	0.02	0.183	0.222
	LTE Band 41-PC3	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	Reduced	40185	2549.5	14.28	15.00	1.180	62.9	1.006	-0.14	0.175	0.208
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	40185	2549.5	14.28	15.00	1.180	62.9	1.006	0.04	0.574	0.682
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	39750	2506	14.24	15.00	1.191	62.9	1.006	-0.09	0.677	0.811
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	40620	2593	14.20	15.00	1.202	62.9	1.006	0.02	0.528	0.639
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	41055	2636.5	14.07	15.00	1.239	62.9	1.006	0.06	0.435	0.542
	LTE Band 41-PC3	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	41490	2680	13.91	15.00	1.285	62.9	1.006	0.01	0.383	0.495
	LTE Band 41-PC3	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	Reduced	40185	2549.5	14.15	15.00	1.216	62.9	1.006	-0.12	0.568	0.695
	LTE Band 41-PC2	20M	QPSK	1	49	-	Front	5mm	Ant 1	-	Reduced	40185	2549.5	19.41	20.50	1.285	42.9	1.009	0.05	0.411	0.533
	LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	40185	2549.5	19.41	20.50	1.285	42.9	1.009	0.05	0.942	1.222
	LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	39750	2506	19.18	20.50	1.355	42.9	1.009	0.06	0.922	1.261
	LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	40620	2593	19.35	20.50	1.303	42.9	1.009	0.06	0.933	1.227
	LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	41055	2636.5	19.33	20.50	1.309	42.9	1.009	0.13	0.784	1.036
	LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	41490	2680	19.26	20.50	1.330	42.9	1.009	0.16	0.690	0.926
48	LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	39750	2506	19.18	20.50	1.355	42.9	1.009	0.05	0.950	1.299



FCC SAR Test Report

Report No. : FA170628

LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	40185	2549.5	19.41	20.50	1.285	42.9	1.009	0.06	0.924	1.198
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	40620	2593	19.35	20.50	1.303	42.9	1.009	0.06	0.911	1.198
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	41055	2636.5	19.33	20.50	1.309	42.9	1.009	0.13	0.799	1.055
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	41490	2680	19.26	20.50	1.330	42.9	1.009	0.16	0.711	0.954
LTE Band 41-PC2	20M	QPSK	1	49	-	Front	19mm	Ant 1	-	Full	40185	2549.5	25.78	27.00	1.324	42.9	1.009	0.05	0.308	0.412
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	24mm	Ant 1	Headset	Full	39750	2506	25.62	27.00	1.374	42.9	1.009	0.08	0.349	0.484
LTE Band 41-PC2	20M	QPSK	50	24	-	Front	5mm	Ant 1	-	Reduced	40185	2549.5	18.36	19.50	1.300	42.9	1.009	0.13	0.327	0.429
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	40185	2549.5	18.36	19.50	1.300	42.9	1.009	0.14	0.816	1.070
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	39750	2506	18.31	19.50	1.315	42.9	1.009	0.03	0.792	1.051
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	40620	2593	18.32	19.50	1.312	42.9	1.009	0.05	0.768	1.017
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	41055	2636.5	18.34	19.50	1.306	42.9	1.009	-0.13	0.656	0.865
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 1	-	Reduced	41490	2680	18.27	19.50	1.327	42.9	1.009	0.08	0.580	0.777
LTE Band 41-PC2	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	Reduced	40185	2549.5	18.35	19.50	1.303	42.9	1.009	0.17	0.812	1.068
LTE Band 41-PC2	20M	QPSK	1	49	-	Front	5mm	Ant 2	-	Reduced	40185	2549.5	16.48	17.50	1.265	42.9	1.009	0.03	0.265	0.338
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	40185	2549.5	16.48	17.50	1.265	42.9	1.009	0.18	0.907	1.157
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	39750	2506	16.15	17.50	1.365	42.9	1.009	0.08	0.850	1.170
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	40620	2593	16.40	17.50	1.288	42.9	1.009	0.05	0.733	0.953
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	41055	2636.5	16.22	17.50	1.343	42.9	1.009	-0.12	0.611	0.828
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	5mm	Ant 2	-	Reduced	41490	2680	16.15	17.50	1.365	42.9	1.009	-0.17	0.564	0.777
LTE Band 41-PC2	20M	QPSK	1	49	-	Front	19mm	Ant 2	-	Full	40185	2549.5	24.12	25.00	1.225	42.9	1.009	0.02	0.206	0.255
LTE Band 41-PC2	20M	QPSK	1	49	-	Back	24mm	Ant 2	-	Full	39750	2506	23.87	25.00	1.297	42.9	1.009	0.07	0.304	0.398
LTE Band 41-PC2	20M	QPSK	50	24	-	Front	5mm	Ant 2	-	Reduced	40185	2549.5	15.51	16.50	1.256	42.9	1.009	0.05	0.212	0.269
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	40185	2549.5	15.51	16.50	1.256	42.9	1.009	0.08	0.681	0.863
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	39750	2506	15.31	16.50	1.315	42.9	1.009	-0.01	0.677	0.898
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	40620	2593	15.49	16.50	1.262	42.9	1.009	0.02	0.484	0.616
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	41055	2636.5	15.32	16.50	1.312	42.9	1.009	0.01	0.383	0.507
LTE Band 41-PC2	20M	QPSK	50	24	-	Back	5mm	Ant 2	-	Reduced	41490	2680	15.29	16.50	1.321	42.9	1.009	0.07	0.309	0.412
LTE Band 41-PC2	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	Reduced	40185	2549.5	15.40	16.50	1.288	42.9	1.009	0.15	0.545	0.708



<WLAN SAR>

Plot No.	Band	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)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	-	Reduced	11	2462	18.90	20.90	1.585	99.4	1.006	0.01	0.491	0.783
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	-	Reduced	11	2462	18.90	20.90	1.585	99.4	1.006	-0.07	0.670	1.068
49	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	-	Reduced	1	2412	18.70	20.70	1.585	99.4	1.006	0.06	0.679	1.083
	WLAN2.4GHz	802.11b 1Mbps	Front	19mm	Ant 3	-	Full	11	2462	22.10	24.10	1.585	99.4	1.006	0.02	0.086	0.137
	WLAN2.4GHz	802.11b 1Mbps	Back	24mm	Ant 3	-	Full	1	2412	21.90	23.90	1.585	99.4	1.006	0.03	0.087	0.139
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	-	Simultaneous	11	2462	13.60	15.60	1.585	99.4	1.006	0.05	0.105	0.167
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	-	Simultaneous	11	2462	13.60	15.60	1.585	99.4	1.006	0.06	0.188	0.300

<Bluetooth SAR>

Plot No.	Band	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)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 3	-	Full	39	2441	9.00	11.00	1.585	76.56	1.306	-0.08	0.032	0.066
50	Bluetooth	DH5 1Mbps	Back	5mm	Ant 3	-	Full	39	2441	9.00	11.00	1.585	76.56	1.306	0.06	0.050	0.104

<WLAN5G SAR>

Plot No.	Band	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)	Reported 1g SAR (W/kg)
51	WLAN5.2GHz	802.11a 6Mbps	Front	5mm	Ant 4	-	Full	36	5180	18.75	20.70	1.565	96.97	1.031	-0.18	0.499	0.805
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Ant 4	-	Full	36	5180	18.75	20.70	1.565	96.97	1.031	-0.16	0.491	0.792
	WLAN5.2GHz	802.11a 6Mbps	Front	5mm	Ant 4	-	Full	48	5240	18.55	20.50	1.565	96.97	1.031	0.14	0.467	0.754
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4	-	Simultaneous	58	5290	14.53	16.50	1.574	87.79	1.139	-0.07	0.118	0.212
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4	-	Simultaneous	58	5290	14.53	16.50	1.574	87.79	1.139	-0.07	0.165	0.296
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4	-	Reduced	106	5530	14.77	16.70	1.560	87.79	1.139	-0.12	0.155	0.275
52	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4	-	Reduced	106	5530	14.77	16.70	1.560	87.79	1.139	-0.12	0.305	0.542
	WLAN5.5GHz	802.11ac-VHT20 MCS0	Front	19mm	Ant 4	-	Full	140	5700	18.72	20.70	1.577	96.79	1.033	0.15	0.083	0.135
	WLAN5.5GHz	802.11ac-VHT20 MCS0	Back	24mm	Ant 4	-	Full	140	5700	18.72	20.70	1.577	96.79	1.033	0.1	0.236	0.384
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4	-	Simultaneous	106	5530	7.28	9.20	1.556	87.79	1.139	-0.13	0.030	0.053
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4	-	Simultaneous	106	5530	7.28	9.20	1.556	87.79	1.139	-0.13	0.071	0.127
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4	-	Reduced	155	5775	13.79	15.70	1.552	87.79	1.139	0.09	0.115	0.203
53	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4	-	Reduced	155	5775	13.79	15.70	1.552	87.79	1.139	0.17	0.589	1.041
	WLAN5.8GHz	802.11ac-VHT20 MCS0	Front	19mm	Ant 4	-	Full	149	5745	19.20	21.20	1.584	96.79	1.033	-0.09	0.098	0.160
	WLAN5.8GHz	802.11ac-VHT20 MCS0	Back	24mm	Ant 4	-	Full	149	5745	19.20	21.20	1.584	96.79	1.033	-0.11	0.309	0.506
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 4	-	Simultaneous	155	5775	8.58	10.50	1.556	87.79	1.139	0.08	0.062	0.110
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 4	-	Simultaneous	155	5775	8.58	10.50	1.556	87.79	1.139	0.14	0.167	0.296



15.4 Product Specific SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	GSM850	GPRS 4 Tx slots	Front	0mm	Ant 1	Full	251	848.8	28.90	30.00	1.288	-0.07	1.740	2.242
	GSM850	GPRS 4 Tx slots	Back	0mm	Ant 1	Full	251	848.8	28.90	30.00	1.288	-0.05	2.140	2.757
	GSM850	GPRS 4 Tx slots	Right Side	0mm	Ant 1	Full	251	848.8	28.90	30.00	1.288	0.06	0.755	0.973
	GSM850	GPRS 4 Tx slots	Bottom Side	0mm	Ant 1	Full	251	848.8	28.90	30.00	1.288	0.13	2.280	2.937
	GSM850	GPRS 4 Tx slots	Front	0mm	Ant 1	Full	128	824.2	28.69	30.00	1.352	0.04	1.780	2.407
	GSM850	GPRS 4 Tx slots	Front	0mm	Ant 1	Full	189	836.4	28.89	30.00	1.291	0.08	1.750	2.260
	GSM850	GPRS 4 Tx slots	Back	0mm	Ant 1	Full	128	824.2	28.69	30.00	1.352	0.04	1.900	2.569
	GSM850	GPRS 4 Tx slots	Back	0mm	Ant 1	Full	189	836.4	28.89	30.00	1.291	0.11	1.880	2.427
	GSM850	GPRS 4 Tx slots	Bottom Side	0mm	Ant 1	Full	128	824.2	28.69	30.00	1.352	0.1	1.970	2.664
	GSM850	GPRS 4 Tx slots	Bottom Side	0mm	Ant 1	Full	189	836.4	28.89	30.00	1.291	-0.04	2.050	2.647
54	GSM850	GPRS 4 Tx slots	Back	0mm	Ant 2	Full	251	848.8	27.87	29.00	1.297	0.01	2.300	2.984
	GSM850	GPRS 4 Tx slots	Top Side	0mm	Ant 2	Full	251	848.8	27.87	29.00	1.297	0.08	1.060	1.375
	GSM850	GPRS 4 Tx slots	Back	0mm	Ant 2	Full	128	824.2	27.86	29.00	1.300	0.04	2.050	2.665
	GSM850	GPRS 4 Tx slots	Back	0mm	Ant 2	Full	189	836.4	27.81	29.00	1.315	0.05	2.030	2.670
	GSM1900	GPRS 4 Tx slots	Front	0mm	Ant 1	Reduced	661	1880	22.86	24.00	1.300	0.09	1.580	2.054
	GSM1900	GPRS 4 Tx slots	Back	0mm	Ant 1	Reduced	661	1880	22.86	24.00	1.300	0.05	2.440	3.172
	GSM1900	GPRS 4 Tx slots	Left Side	0mm	Ant 1	Full	661	1880	26.42	27.50	1.282	-0.16	2.270	2.911
	GSM1900	GPRS 4 Tx slots	Bottom Side	0mm	Ant 1	Reduced	661	1880	22.86	24.00	1.300	0.03	1.960	2.548
	GSM1900	GPRS 4 Tx slots	Front	0mm	Ant 1	Reduced	512	1850.2	22.72	24.00	1.343	0.03	1.500	2.014
	GSM1900	GPRS 4 Tx slots	Front	0mm	Ant 1	Reduced	810	1909.8	22.78	24.00	1.324	0.01	1.610	2.132
	GSM1900	GPRS 4 Tx slots	Back	0mm	Ant 1	Reduced	512	1850.2	22.72	24.00	1.343	-0.13	2.210	2.968
55	GSM1900	GPRS 4 Tx slots	Back	0mm	Ant 1	Reduced	810	1909.8	22.78	24.00	1.324	-0.13	2.540	3.364
	GSM1900	GPRS 4 Tx slots	Left Side	0mm	Ant 1	Full	512	1850.2	26.36	27.50	1.300	-0.15	2.340	3.042
	GSM1900	GPRS 4 Tx slots	Left Side	0mm	Ant 1	Full	810	1909.8	26.20	27.50	1.349	0.09	2.040	2.752
	GSM1900	GPRS 4 Tx slots	Bottom Side	0mm	Ant 1	Reduced	512	1850.2	22.72	24.00	1.343	0.01	1.830	2.457
	GSM1900	GPRS 4 Tx slots	Bottom Side	0mm	Ant 1	Reduced	810	1909.8	22.78	24.00	1.324	-0.06	2.040	2.702
	GSM1900	GPRS 4 Tx slots	Front	8mm	Ant 1	Full	810	1909.8	26.20	27.50	1.349	-0.08	0.980	1.322
	GSM1900	GPRS 4 Tx slots	Back	14mm	Ant 1	Full	810	1909.8	26.20	27.50	1.349	-0.11	0.552	0.745
	GSM1900	GPRS 4 Tx slots	Bottom Side	14mm	Ant 1	Full	810	1909.8	26.20	27.50	1.349	-0.06	0.735	0.991
	GSM1900	GPRS 4 Tx slots	Front	0mm	Ant 2	Reduced	661	1880	22.80	23.50	1.175	-0.05	1.140	1.339
	GSM1900	GPRS 4 Tx slots	Back	0mm	Ant 2	Reduced	661	1880	22.80	23.50	1.175	-0.07	2.280	2.679
	GSM1900	GPRS 4 Tx slots	Top Side	0mm	Ant 2	Reduced	661	1880	22.80	23.50	1.175	0.07	2.370	2.785
	GSM1900	GPRS 4 Tx slots	Back	0mm	Ant 2	Reduced	512	1850.2	22.73	23.50	1.194	-0.06	2.380	2.842
	GSM1900	GPRS 4 Tx slots	Back	0mm	Ant 2	Reduced	810	1909.8	22.64	23.50	1.219	-0.13	2.090	2.548
	GSM1900	GPRS 4 Tx slots	Top Side	0mm	Ant 2	Reduced	512	1850.2	22.73	23.50	1.194	-0.06	2.240	2.675
	GSM1900	GPRS 4 Tx slots	Top Side	0mm	Ant 2	Reduced	810	1909.8	22.64	23.50	1.219	0.09	2.120	2.584
	GSM1900	GPRS 4 Tx slots	Front	7mm	Ant 2	Full	661	1880	24.17	25.00	1.211	-0.11	0.471	0.570
	GSM1900	GPRS 4 Tx slots	Back	14mm	Ant 2	Full	512	1850.2	24.09	25.00	1.233	-0.11	0.323	0.398
	GSM1900	GPRS 4 Tx slots	Top Side	12mm	Ant 2	Full	661	1880	24.17	25.00	1.211	-0.06	0.346	0.419



<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
	WCDMA V	RMC 12.2Kbps	Front	0mm	Ant 1	Full	4233	846.6	22.77	24.00	1.327	0.04	1.090	1.447
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 1	Full	4233	846.6	22.77	24.00	1.327	0.04	1.580	2.097
	WCDMA V	RMC 12.2Kbps	Right Side	0mm	Ant 1	Full	4233	846.6	22.77	24.00	1.327	0.06	0.547	0.726
	WCDMA V	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Full	4233	846.6	22.77	24.00	1.327	0.05	1.570	2.084
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 1	Full	4132	826.4	22.74	24.00	1.337	0.08	1.580	2.112
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 1	Full	4182	836.4	22.73	24.00	1.340	0.01	1.500	2.010
	WCDMA V	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Full	4132	826.4	22.74	24.00	1.337	0.01	1.930	2.580
	WCDMA V	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Full	4182	836.4	22.73	24.00	1.340	-0.06	1.640	2.197
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 2	Full	4233	846.6	21.74	23.00	1.337	0.01	1.640	2.192
	WCDMA V	RMC 12.2Kbps	Top Side	0mm	Ant 2	Full	4233	846.6	21.74	23.00	1.337	0.05	0.656	0.877
56	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 2	Full	4132	826.4	21.68	23.00	1.355	0.06	2.180	2.954
	WCDMA V	RMC 12.2Kbps	Back	0mm	Ant 2	Full	4182	836.4	21.73	23.00	1.340	0.01	1.910	2.559
	WCDMA IV	RMC 12.2Kbps	Front	0mm	Ant 1	Reduced	1513	1752.6	19.77	21.00	1.327	-0.07	1.450	1.925
57	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	1513	1752.6	19.77	21.00	1.327	0.02	2.700	3.584
	WCDMA IV	RMC 12.2Kbps	Left Side	0mm	Ant 1	Full	1513	1752.6	22.68	24.00	1.355	-0.17	1.430	1.938
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Reduced	1513	1752.6	19.77	21.00	1.327	0.06	1.920	2.549
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	1312	1712.4	19.62	21.00	1.374	-0.11	2.530	3.476
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	1413	1732.6	19.73	21.00	1.340	0.13	2.550	3.416
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Reduced	1312	1712.4	19.62	21.00	1.374	0.05	1.970	2.707
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Reduced	1413	1732.6	19.73	21.00	1.340	0.07	1.910	2.559
	WCDMA IV	RMC 12.2Kbps	Front	8mm	Ant 1	Full	1513	1752.6	22.68	24.00	1.355	-0.12	0.703	0.953
	WCDMA IV	RMC 12.2Kbps	Back	14mm	Ant 1	Full	1513	1752.6	22.68	24.00	1.355	0.05	0.547	0.741
	WCDMA IV	RMC 12.2Kbps	Bottom Side	14mm	Ant 1	Full	1312	1712.4	22.54	24.00	1.400	-0.17	0.592	0.829
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 1	Reduced	9262	1852.4	19.95	21.00	1.274	0.07	1.690	2.152
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	9262	1852.4	19.95	21.00	1.274	0.11	2.510	3.196
	WCDMA II	RMC 12.2Kbps	Left Side	0mm	Ant 1	Full	9262	1852.4	22.98	24.00	1.265	-0.12	1.970	2.492
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Reduced	9262	1852.4	19.95	21.00	1.274	-0.15	2.110	2.687
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 1	Reduced	9400	1880	19.91	21.00	1.285	-0.1	1.650	2.121
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 1	Reduced	9538	1907.6	19.89	21.00	1.291	-0.13	1.620	2.092
58	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	9400	1880	19.91	21.00	1.285	0.05	2.710	3.483
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	9538	1907.6	19.89	21.00	1.291	-0.01	2.530	3.267
	WCDMA II	RMC 12.2Kbps	Left Side	0mm	Ant 1	Full	9400	1880	22.96	24.00	1.271	0.08	2.010	2.554
	WCDMA II	RMC 12.2Kbps	Left Side	0mm	Ant 1	Full	9538	1907.6	22.94	24.00	1.276	-0.12	1.920	2.451
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Reduced	9400	1880	19.91	21.00	1.285	0.02	2.200	2.828
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	Reduced	9538	1907.6	19.89	21.00	1.291	-0.13	2.010	2.595
	WCDMA II	RMC 12.2Kbps	Front	8mm	Ant 1	Full	9262	1852.4	22.98	24.00	1.265	0.13	0.930	1.176
	WCDMA II	RMC 12.2Kbps	Back	14mm	Ant 1	Full	9400	1880	22.96	24.00	1.271	0.02	0.572	0.727
	WCDMA II	RMC 12.2Kbps	Bottom Side	14mm	Ant 1	Full	9400	1880	22.96	24.00	1.271	-0.12	0.836	1.062
	WCDMA II	RMC 12.2Kbps	Front	0mm	Ant 2	Reduced	9262	1852.4	19.18	20.50	1.355	0.01	1.000	1.355
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 2	Reduced	9262	1852.4	19.18	20.50	1.355	-0.15	2.130	2.887
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 2	Reduced	9262	1852.4	19.18	20.50	1.355	-0.03	1.940	2.629
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 2	Reduced	9400	1880	19.05	20.50	1.396	-0.1	2.040	2.849
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 2	Reduced	9538	1907.6	19.03	20.50	1.403	0.08	1.970	2.764
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 2	Reduced	9400	1880	19.05	20.50	1.396	-0.12	1.890	2.639
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 2	Reduced	9538	1907.6	19.03	20.50	1.403	-0.03	1.990	2.792
	WCDMA II	RMC 12.2Kbps	Front	7mm	Ant 2	Full	9262	1852.4	20.94	22.50	1.432	0.01	0.400	0.573
	WCDMA II	RMC 12.2Kbps	Back	14mm	Ant 2	Full	9262	1852.4	20.94	22.50	1.432	0.06	0.288	0.412
	WCDMA II	RMC 12.2Kbps	Top Side	12mm	Ant 2	Full	9538	1907.6	20.70	22.50	1.514	0.13	0.355	0.537



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	10g SAR (W/kg)	Reported 10g SAR (W/kg)
59	LTE Band 12	10M	QPSK	1	25	Back	0mm	Ant 1	Full	23095	707.5	22.49	24.00	1.416	0.16	1.260	1.784
	LTE Band 12	10M	QPSK	25	12	Back	0mm	Ant 1	Full	23095	707.5	21.45	23.00	1.429	0.15	1.050	1.500
60	LTE Band 13	10M	QPSK	1	25	Back	0mm	Ant 1	Full	23230	782	22.81	24.00	1.315	0.14	1.660	2.183
	LTE Band 13	10M	QPSK	1	25	Bottom Side	0mm	Ant 1	Full	23230	782	22.81	24.00	1.315	-0.04	1.560	2.052
	LTE Band 13	10M	QPSK	25	12	Back	0mm	Ant 1	Full	23230	782	21.67	23.00	1.358	0.16	1.380	1.874
	LTE Band 13	10M	QPSK	25	12	Bottom Side	0mm	Ant 1	Full	23230	782	21.67	23.00	1.358	-0.09	1.090	1.481
	LTE Band 13	10M	QPSK	50	0	Back	0mm	Ant 1	Full	23230	782	21.66	23.00	1.361	0.06	1.350	1.838
	LTE Band 13	10M	QPSK	50	0	Bottom Side	0mm	Ant 1	Full	23230	782	21.66	23.00	1.361	0.09	1.080	1.470
	LTE Band 26	15M	QPSK	1	37	Front	0mm	Ant 1	Full	26865	831.5	22.76	24.00	1.330	0.01	1.330	1.770
	LTE Band 26	15M	QPSK	1	37	Back	0mm	Ant 1	Full	26865	831.5	22.76	24.00	1.330	0.02	1.570	2.089
	LTE Band 26	15M	QPSK	1	37	Bottom Side	0mm	Ant 1	Full	26865	831.5	22.76	24.00	1.330	-0.04	1.560	2.076
	LTE Band 26	15M	QPSK	36	20	Front	0mm	Ant 1	Full	26865	831.5	21.61	23.00	1.377	0.09	1.050	1.446
	LTE Band 26	15M	QPSK	36	20	Back	0mm	Ant 1	Full	26865	831.5	21.61	23.00	1.377	0.03	1.310	1.804
	LTE Band 26	15M	QPSK	36	20	Bottom Side	0mm	Ant 1	Full	26865	831.5	21.61	23.00	1.377	0.16	1.240	1.708
	LTE Band 26	15M	QPSK	75	0	Back	0mm	Ant 1	Full	26865	831.5	21.58	23.00	1.387	-0.03	1.270	1.761
	LTE Band 26	15M	QPSK	75	0	Bottom Side	0mm	Ant 1	Full	26865	831.5	21.58	23.00	1.387	0.07	1.210	1.678
61	LTE Band 26	15M	QPSK	1	37	Back	0mm	Ant 2	Full	26865	831.5	22.01	23.00	1.256	0.03	1.910	2.399
	LTE Band 26	15M	QPSK	1	37	Top Side	0mm	Ant 2	Full	26865	831.5	22.01	23.00	1.256	0.06	0.795	0.999
	LTE Band 26	15M	QPSK	36	20	Back	0mm	Ant 2	Full	26865	831.5	20.83	22.00	1.309	0.19	1.450	1.898
	LTE Band 26	15M	QPSK	36	20	Top Side	0mm	Ant 2	Full	26865	831.5	20.83	22.00	1.309	-0.04	0.628	0.822
	LTE Band 26	15M	QPSK	75	0	Back	0mm	Ant 2	Full	26865	831.5	20.78	22.00	1.324	-0.07	1.420	1.881
	LTE Band 66	20M	QPSK	1	49	Front	0mm	Ant 1	Reduced	132572	1770	18.97	20.50	1.422	0.18	1.320	1.877
62	LTE Band 66	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	132572	1770	18.97	20.50	1.422	0.01	2.320	3.300
	LTE Band 66	20M	QPSK	1	49	Left Side	0mm	Ant 1	Full	132572	1770	22.50	24.00	1.413	-0.07	1.380	1.949
	LTE Band 66	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	132572	1770	18.97	20.50	1.422	0.01	1.900	2.702
	LTE Band 66	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	132072	1720	18.78	20.50	1.486	0.17	2.040	3.031
	LTE Band 66	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	132322	1745	18.67	20.50	1.524	0.12	2.110	3.216
	LTE Band 66	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	132072	1720	18.78	20.50	1.486	-0.07	1.810	2.690
	LTE Band 66	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	132322	1745	18.67	20.50	1.524	0.15	1.790	2.728
	LTE Band 66	20M	QPSK	1	49	Front	8mm	Ant 1	Full	132572	1770	22.50	24.00	1.413	0.08	0.790	1.116
	LTE Band 66	20M	QPSK	1	49	Back	14mm	Ant 1	Full	132572	1770	22.50	24.00	1.413	0.01	0.513	0.725
	LTE Band 66	20M	QPSK	1	49	Bottom Side	14mm	Ant 1	Full	132322	1745	22.31	24.00	1.476	0.14	0.618	0.912
	LTE Band 66	20M	QPSK	50	24	Front	0mm	Ant 1	Reduced	132572	1770	17.84	19.50	1.466	0.04	1.050	1.539
	LTE Band 66	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	132572	1770	17.84	19.50	1.466	-0.17	1.810	2.653
	LTE Band 66	20M	QPSK	50	24	Left Side	0mm	Ant 1	Full	132572	1770	21.39	23.00	1.449	-0.06	1.230	1.782
	LTE Band 66	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	132572	1770	17.84	19.50	1.466	-0.16	1.420	2.081
	LTE Band 66	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	132072	1720	17.61	19.50	1.545	0.07	1.650	2.550
	LTE Band 66	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	132322	1745	17.83	19.50	1.469	0.14	1.710	2.512
	LTE Band 66	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	132072	1720	17.61	19.50	1.545	0.02	1.420	2.194
	LTE Band 66	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	132322	1745	17.83	19.50	1.469	-0.03	1.450	2.130
	LTE Band 66	20M	QPSK	100	0	Back	0mm	Ant 1	Reduced	132572	1770	17.84	19.50	1.466	0.02	1.800	2.638
	LTE Band 66	20M	QPSK	100	0	Bottom Side	0mm	Ant 1	Reduced	132572	1770	17.84	19.50	1.466	-0.18	1.410	2.066
	LTE Band 25	20M	QPSK	1	49	Front	0mm	Ant 1	Reduced	26140	1860	19.77	21.00	1.327	-0.04	1.450	1.925
	LTE Band 25	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	26140	1860	19.77	21.00	1.327	0.09	2.380	3.159
	LTE Band 25	20M	QPSK	1	49	Left Side	0mm	Ant 1	Full	26140	1860	22.78	24.00	1.324	-0.16	1.980	2.622
	LTE Band 25	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	26140	1860	19.77	21.00	1.327	0.15	2.030	2.695
	LTE Band 25	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	26340	1880	19.61	21.00	1.377	0.13	1.990	2.741
63	LTE Band 25	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	26590	1905	19.74	21.00	1.337	0.06	2.390	3.194
	LTE Band 25	20M	QPSK	1	49	Left Side	0mm	Ant 1	Full	26340	1880	22.66	24.00	1.361	0.08	1.970	2.682
	LTE Band 25	20M	QPSK	1	49	Left Side	0mm	Ant 1	Full	26590	1905	22.69	24.00	1.352	0.06	1.910	2.582
	LTE Band 25	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	26340	1880	19.61	21.00	1.377	-0.04	2.300	3.168



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	LTE Band 25	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	26590	1905	19.74	21.00	1.337	-0.01	2.260	3.021
	LTE Band 25	20M	QPSK	1	49	Front	8mm	Ant 1	Full	26140	1860	22.78	24.00	1.324	0.18	0.824	1.091
	LTE Band 25	20M	QPSK	1	49	Back	14mm	Ant 1	Full	26590	1905	22.69	24.00	1.352	-0.05	0.482	0.652
	LTE Band 25	20M	QPSK	1	49	Bottom Side	14mm	Ant 1	Full	26340	1880	22.66	24.00	1.361	-0.04	0.870	1.184
	LTE Band 25	20M	QPSK	50	24	Front	0mm	Ant 1	Reduced	26140	1860	18.71	20.00	1.346	0.08	1.160	1.561
	LTE Band 25	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	26140	1860	18.71	20.00	1.346	0.15	1.830	2.463
	LTE Band 25	20M	QPSK	50	24	Left Side	0mm	Ant 1	Full	26140	1860	21.79	23.00	1.321	0.1	1.740	2.299
	LTE Band 25	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	26140	1860	18.71	20.00	1.346	-0.04	1.640	2.207
	LTE Band 25	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	26340	1880	18.63	20.00	1.371	0.1	1.960	2.687
	LTE Band 25	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	26590	1905	18.68	20.00	1.355	-0.01	1.980	2.683
	LTE Band 25	20M	QPSK	50	24	Left Side	0mm	Ant 1	Full	26340	1880	21.62	23.00	1.374	-0.07	1.650	2.267
	LTE Band 25	20M	QPSK	50	24	Left Side	0mm	Ant 1	Full	26590	1905	21.73	23.00	1.340	0.08	1.600	2.143
	LTE Band 25	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	26340	1880	18.63	20.00	1.371	-0.05	1.850	2.536
	LTE Band 25	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	26590	1905	18.68	20.00	1.355	0.04	1.850	2.507
	LTE Band 25	20M	QPSK	100	0	Back	0mm	Ant 1	Reduced	26140	1860	18.68	20.00	1.355	0.08	1.840	2.494
	LTE Band 25	20M	QPSK	100	0	Left Side	0mm	Ant 1	Full	26140	1860	21.75	23.00	1.334	0.14	1.720	2.294
	LTE Band 25	20M	QPSK	100	0	Bottom Side	0mm	Ant 1	Reduced	26140	1860	18.68	20.00	1.355	0.08	1.650	2.236
	LTE Band 25	20M	QPSK	1	49	Front	0mm	Ant 2	Reduced	26140	1860	19.67	20.50	1.211	0.08	0.906	1.097
	LTE Band 25	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	26140	1860	19.67	20.50	1.211	0.19	2.490	3.014
	LTE Band 25	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	26140	1860	19.67	20.50	1.211	-0.06	2.120	2.566
	LTE Band 25	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	26340	1880	19.58	20.50	1.236	0.07	2.200	2.719
	LTE Band 25	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	26590	1905	19.40	20.50	1.288	-0.08	2.180	2.808
	LTE Band 25	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	26340	1880	19.58	20.50	1.236	0.16	2.040	2.521
	LTE Band 25	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	26590	1905	19.40	20.50	1.288	0.17	1.920	2.473
	LTE Band 25	20M	QPSK	1	49	Front	7mm	Ant 2	Full	26140	1860	21.14	22.00	1.219	0.14	0.293	0.357
	LTE Band 25	20M	QPSK	1	49	Back	14mm	Ant 2	Full	26140	1860	21.14	22.00	1.219	0.09	0.221	0.269
	LTE Band 25	20M	QPSK	1	49	Top Side	12mm	Ant 2	Full	26140	1860	21.14	22.00	1.219	-0.17	0.331	0.403
	LTE Band 25	20M	QPSK	50	24	Front	0mm	Ant 2	Reduced	26140	1860	18.64	19.50	1.219	0.16	0.742	0.904
	LTE Band 25	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	26140	1860	18.64	19.50	1.219	-0.09	1.880	2.292
	LTE Band 25	20M	QPSK	50	24	Top Side	0mm	Ant 2	Reduced	26140	1860	18.64	19.50	1.219	-0.01	1.910	2.328
	LTE Band 25	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	26340	1880	18.62	19.50	1.225	0.05	2.050	2.510
	LTE Band 25	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	26590	1905	18.48	19.50	1.265	0.03	2.060	2.605
	LTE Band 25	20M	QPSK	50	24	Top Side	0mm	Ant 2	Reduced	26340	1880	18.62	19.50	1.225	0.09	1.930	2.364
	LTE Band 25	20M	QPSK	50	24	Top Side	0mm	Ant 2	Reduced	26590	1905	18.48	19.50	1.265	-0.01	2.040	2.580
	LTE Band 25	20M	QPSK	100	0	Back	0mm	Ant 2	Reduced	26140	1860	18.44	19.50	1.276	-0.06	1.870	2.387
	LTE Band 25	20M	QPSK	100	0	Top Side	0mm	Ant 2	Reduced	26140	1860	18.44	19.50	1.276	0.06	1.880	2.400
	LTE Band 7	20M	QPSK	1	49	Front	0mm	Ant 1	Reduced	21100	2535	19.93	21.00	1.279	-0.02	1.190	1.522
	LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	21100	2535	19.93	21.00	1.279	-0.05	2.000	2.559
	LTE Band 7	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	21100	2535	19.93	21.00	1.279	0.16	2.060	2.636
64	LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	20850	2510	19.89	21.00	1.291	0.05	2.150	2.776
	LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	21350	2560	19.91	21.00	1.285	0.02	1.960	2.519
	LTE Band 7	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	20850	2510	19.89	21.00	1.291	0.04	1.950	2.518
	LTE Band 7	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	21350	2560	19.91	21.00	1.285	0.06	2.100	2.699
	LTE Band 7	20M	QPSK	1	49	Front	8mm	Ant 1	Full	21100	2535	22.85	24.00	1.303	0.01	0.648	0.844
	LTE Band 7	20M	QPSK	1	49	Back	14mm	Ant 1	Full	20850	2510	22.76	24.00	1.330	-0.03	0.656	0.873
	LTE Band 7	20M	QPSK	1	49	Bottom Side	14mm	Ant 1	Full	21350	2560	22.74	24.00	1.337	0.08	0.845	1.129
	LTE Band 7	20M	QPSK	50	24	Front	0mm	Ant 1	Reduced	21100	2535	18.89	20.00	1.291	0.02	0.956	1.234
	LTE Band 7	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	21100	2535	18.89	20.00	1.291	-0.02	1.690	2.182
	LTE Band 7	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	21100	2535	18.89	20.00	1.291	0.01	1.690	2.182
	LTE Band 7	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	20850	2510	18.71	20.00	1.346	-0.03	1.770	2.382
	LTE Band 7	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	21350	2560	18.66	20.00	1.361	0.12	1.540	2.097
	LTE Band 7	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	20850	2510	18.71	20.00	1.346	0.08	1.580	2.126
	LTE Band 7	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	21350	2560	18.66	20.00	1.361	0.05	1.790	2.437
	LTE Band 7	20M	QPSK	100	0	Back	0mm	Ant 1	Reduced	21100	2535	18.77	20.00	1.327	-0.06	1.680	2.230
	LTE Band 7	20M	QPSK	100	0	Bottom Side	0mm	Ant 1	Reduced	21100	2535	18.77	20.00	1.327	0.08	1.700	2.257
	LTE Band 7	20M	QPSK	1	49	Front	0mm	Ant 2	Reduced	21100	2535	17.43	18.50	1.279	0.14	0.933	1.194

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LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	21100	2535	17.43	18.50	1.279	-0.06	1.830	2.341
LTE Band 7	20M	QPSK	1	49	Left Side	0mm	Ant 2	Reduced	21100	2535	17.43	18.50	1.279	0.12	0.722	0.924
LTE Band 7	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	21100	2535	17.43	18.50	1.279	-0.15	1.420	1.817
LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	20850	2510	17.32	18.50	1.312	0.05	1.780	2.336
LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	21350	2560	17.28	18.50	1.324	-0.07	1.760	2.331
LTE Band 7	20M	QPSK	1	49	Front	7mm	Ant 2	Full	21100	2535	21.16	22.00	1.213	-0.05	0.507	0.615
LTE Band 7	20M	QPSK	1	49	Back	14mm	Ant 2	Full	21100	2535	21.16	22.00	1.213	0.13	0.540	0.655
LTE Band 7	20M	QPSK	1	49	Left Side	5mm	Ant 2	Full	21100	2535	21.16	22.00	1.213	-0.13	0.850	1.031
LTE Band 7	20M	QPSK	1	49	Top Side	12mm	Ant 2	Full	21100	2535	21.16	22.00	1.213	-0.06	0.618	0.750
LTE Band 7	20M	QPSK	50	24	Front	0mm	Ant 2	Reduced	21100	2535	16.39	17.50	1.291	0.01	0.743	0.959
LTE Band 7	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	21100	2535	16.39	17.50	1.291	0.05	1.420	1.834
LTE Band 7	20M	QPSK	50	24	Left Side	0mm	Ant 2	Reduced	21100	2535	16.39	17.50	1.291	-0.17	0.638	0.824
LTE Band 7	20M	QPSK	50	24	Top Side	0mm	Ant 2	Reduced	21100	2535	16.39	17.50	1.291	-0.1	1.140	1.472
LTE Band 7	20M	QPSK	100	0	Back	0mm	Ant 2	Reduced	21100	2535	16.35	17.50	1.303	0.01	1.400	1.824

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	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)	Reported 10g SAR (W/kg)
	LTE Band 41-PC3	20M	QPSK	1	49	Front	0mm	Ant 1	Reduced	40185	2549.5	21.01	22.00	1.256	62.9	1.006	0.01	0.994	1.256
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	40185	2549.5	21.01	22.00	1.256	62.9	1.006	-0.18	1.590	2.009
	LTE Band 41-PC3	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	40185	2549.5	21.01	22.00	1.256	62.9	1.006	-0.03	1.740	2.199
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	39750	2506	20.91	22.00	1.285	62.9	1.006	-0.06	1.580	2.043
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	40620	2593	20.95	22.00	1.274	62.9	1.006	0.01	1.610	2.063
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	41055	2636.5	20.87	22.00	1.297	62.9	1.006	0.02	1.510	1.970
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	41490	2680	20.79	22.00	1.321	62.9	1.006	0.01	1.620	2.153
	LTE Band 41-PC3	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	39750	2506	20.91	22.00	1.285	62.9	1.006	0.06	1.430	1.849
	LTE Band 41-PC3	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	40620	2593	20.95	22.00	1.274	62.9	1.006	-0.11	1.890	2.421
	LTE Band 41-PC3	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	41055	2636.5	20.87	22.00	1.297	62.9	1.006	0.09	1.980	2.584
65	LTE Band 41-PC3	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	41490	2680	20.79	22.00	1.321	62.9	1.006	0.04	2.000	2.658
	LTE Band 41C-PC3	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	41490+41292	2680+2660.2	20.91	22.00	1.285	62.9	1.006	0.02	2.040	2.638
	LTE Band 41-PC3	20M	QPSK	1	49	Front	8mm	Ant 1	Full	40185	2549.5	22.97	24.00	1.268	62.9	1.006	0.01	0.409	0.522
	LTE Band 41-PC3	20M	QPSK	1	49	Back	14mm	Ant 1	Full	41490	2680	22.78	24.00	1.324	62.9	1.006	0.02	0.305	0.406
	LTE Band 41-PC3	20M	QPSK	1	49	Bottom Side	14mm	Ant 1	Full	41490	2680	22.78	24.00	1.324	62.9	1.006	-0.08	0.600	0.799
	LTE Band 41-PC3	20M	QPSK	50	24	Front	0mm	Ant 1	Reduced	40185	2549.5	19.95	21.00	1.274	62.9	1.006	-0.17	0.794	1.017
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	40185	2549.5	19.95	21.00	1.274	62.9	1.006	0.13	1.250	1.601
	LTE Band 41-PC3	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	40185	2549.5	19.95	21.00	1.274	62.9	1.006	-0.07	1.390	1.781
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	39750	2506	19.93	21.00	1.279	62.9	1.006	-0.19	1.430	1.840
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	40620	2593	19.94	21.00	1.276	62.9	1.006	0.08	1.140	1.464
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	41055	2636.5	19.88	21.00	1.294	62.9	1.006	0.14	1.190	1.549
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	41490	2680	19.79	21.00	1.321	62.9	1.006	0.13	1.240	1.648
	LTE Band 41-PC3	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	39750	2506	19.93	21.00	1.279	62.9	1.006	0.05	1.170	1.506
	LTE Band 41-PC3	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	40620	2593	19.94	21.00	1.276	62.9	1.006	-0.07	1.490	1.913
	LTE Band 41-PC3	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	41055	2636.5	19.88	21.00	1.294	62.9	1.006	-0.19	1.640	2.135
	LTE Band 41-PC3	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	41490	2680	19.79	21.00	1.321	62.9	1.006	0.11	1.770	2.353
	LTE Band 41-PC3	20M	QPSK	100	0	Back	0mm	Ant 1	Reduced	40185	2549.5	19.89	21.00	1.291	62.9	1.006	0.05	1.250	1.624
	LTE Band 41-PC3	20M	QPSK	100	0	Bottom Side	0mm	Ant 1	Reduced	40185	2549.5	19.89	21.00	1.291	62.9	1.006	-0.08	1.390	1.806
	LTE Band 41-PC3	20M	QPSK	1	49	Front	0mm	Ant 2	Reduced	40185	2549.5	19.76	20.50	1.186	62.9	1.006	0.06	0.891	1.063
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	40185	2549.5	19.76	20.50	1.186	62.9	1.006	-0.06	1.720	2.052
	LTE Band 41-PC3	20M	QPSK	1	49	Left Side	0mm	Ant 2	Reduced	40185	2549.5	19.76	20.50	1.186	62.9	1.006	0.06	1.140	1.360
	LTE Band 41-PC3	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	40185	2549.5	19.76	20.50	1.186	62.9	1.006	0.02	1.320	1.575
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	39750	2506	19.37	20.50	1.297	62.9	1.006	0.09	1.690	2.205
	LTE Band 41C-PC3	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	39750+39948	2506+2525.8	19.32	20.50	1.312	62.9	1.006	0.11	1.650	2.178
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	40620	2593	19.70	20.50	1.202	62.9	1.006	0.04	1.680	2.032

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	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	41055	2636.5	19.41	20.50	1.285	62.9	1.006	-0.14	1.630	2.108
	LTE Band 41-PC3	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	41490	2680	19.37	20.50	1.297	62.9	1.006	0.05	1.600	2.088
	LTE Band 41-PC3	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	39750	2506	19.37	20.50	1.297	62.9	1.006	0.11	1.640	2.140
	LTE Band 41-PC3	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	40620	2593	19.70	20.50	1.202	62.9	1.006	0.08	1.080	1.306
	LTE Band 41-PC3	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	41055	2636.5	19.41	20.50	1.285	62.9	1.006	-0.11	0.862	1.115
	LTE Band 41-PC3	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	41490	2680	19.37	20.50	1.297	62.9	1.006	0.09	0.754	0.984
	LTE Band 41-PC3	20M	QPSK	1	49	Front	7mm	Ant 2	Full	40185	2549.5	21.27	22.00	1.183	62.9	1.006	0.06	0.364	0.433
	LTE Band 41-PC3	20M	QPSK	1	49	Back	14mm	Ant 2	Full	39750	2506	21.19	22.00	1.205	62.9	1.006	-0.06	0.487	0.590
	LTE Band 41-PC3	20M	QPSK	1	49	Left Side	5mm	Ant 2	Full	40185	2549.5	21.27	22.00	1.183	62.9	1.006	0.06	0.513	0.611
	LTE Band 41-PC3	20M	QPSK	1	49	Top Side	12mm	Ant 2	Full	39750	2506	21.19	22.00	1.205	62.9	1.006	-0.02	0.386	0.468
	LTE Band 41-PC3	20M	QPSK	50	24	Front	0mm	Ant 2	Reduced	40185	2549.5	18.63	19.50	1.222	62.9	1.006	0.14	0.706	0.868
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	40185	2549.5	18.63	19.50	1.222	62.9	1.006	0.07	1.380	1.696
	LTE Band 41-PC3	20M	QPSK	50	24	Left Side	0mm	Ant 2	Reduced	40185	2549.5	18.63	19.50	1.222	62.9	1.006	0.06	0.985	1.211
	LTE Band 41-PC3	20M	QPSK	50	24	Top Side	0mm	Ant 2	Reduced	40185	2549.5	18.63	19.50	1.222	62.9	1.006	-0.02	1.060	1.303
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	39750	2506	18.35	19.50	1.303	62.9	1.006	0.11	1.400	1.835
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	40620	2593	18.53	19.50	1.250	62.9	1.006	-0.17	1.300	1.635
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	41055	2636.5	18.45	19.50	1.274	62.9	1.006	0.12	1.270	1.627
	LTE Band 41-PC3	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	41490	2680	18.34	19.50	1.306	62.9	1.006	0.09	1.290	1.695
	LTE Band 41-PC3	20M	QPSK	100	0	Back	0mm	Ant 2	Reduced	40185	2549.5	18.61	19.50	1.227	62.9	1.006	-0.16	1.380	1.704
	LTE Band 41-PC3	20M	QPSK	100	0	Top Side	0mm	Ant 2	Reduced	40185	2549.5	18.61	19.50	1.227	62.9	1.006	-0.02	1.060	1.309
	LTE Band 41-PC2	20M	QPSK	1	49	Front	0mm	Ant 1	Reduced	40185	2549.5	22.46	23.50	1.271	42.9	1.009	0.05	0.605	0.776
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	40185	2549.5	22.46	23.50	1.271	42.9	1.009	-0.03	1.360	1.744
	LTE Band 41-PC2	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	40185	2549.5	22.46	23.50	1.271	42.9	1.009	0.02	1.460	1.872
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	39750	2506	22.27	23.50	1.327	42.9	1.009	0.07	1.500	2.009
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	40620	2593	22.37	23.50	1.297	42.9	1.009	0.17	1.440	1.885
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	41055	2636.5	22.29	23.50	1.321	42.9	1.009	0.12	1.440	1.920
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 1	Reduced	41490	2680	22.20	23.50	1.349	42.9	1.009	0.05	1.360	1.851
	LTE Band 41-PC2	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	39750	2506	22.27	23.50	1.327	42.9	1.009	-0.08	1.320	1.768
	LTE Band 41-PC2	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	40620	2593	22.37	23.50	1.297	42.9	1.009	0.06	1.630	2.133
	LTE Band 41-PC2	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	41055	2636.5	22.29	23.50	1.321	42.9	1.009	0.05	1.770	2.360
	LTE Band 41-PC2	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	Reduced	41490	2680	22.20	23.50	1.349	42.9	1.009	0.02	1.740	2.368
	LTE Band 41-PC2	20M	QPSK	1	49	Front	8mm	Ant 1	Full	40185	2549.5	25.78	27.00	1.324	42.9	1.009	0.02	0.603	0.806
	LTE Band 41-PC2	20M	QPSK	1	49	Back	14mm	Ant 1	Full	39750	2506	25.62	27.00	1.374	42.9	1.009	0.02	0.586	0.812
	LTE Band 41-PC2	20M	QPSK	1	49	Bottom Side	14mm	Ant 1	Full	41490	2680	25.45	27.00	1.429	42.9	1.009	-0.13	0.701	1.011
	LTE Band 41-PC2	20M	QPSK	50	24	Front	0mm	Ant 1	Reduced	40185	2549.5	21.36	22.50	1.300	42.9	1.009	-0.13	0.524	0.687
	LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	40185	2549.5	21.36	22.50	1.300	42.9	1.009	-0.08	1.210	1.587
	LTE Band 41-PC2	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	40185	2549.5	21.36	22.50	1.300	42.9	1.009	-0.09	1.260	1.653
	LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	39750	2506	21.24	22.50	1.337	42.9	1.009	0.04	1.230	1.659
	LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	40620	2593	21.32	22.50	1.312	42.9	1.009	-0.03	1.180	1.562
	LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	41055	2636.5	21.24	22.50	1.337	42.9	1.009	0.02	1.200	1.618
	LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 1	Reduced	41490	2680	21.25	22.50	1.334	42.9	1.009	0.03	1.250	1.682
	LTE Band 41-PC2	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	39750	2506	21.24	22.50	1.337	42.9	1.009	0.18	1.090	1.470
	LTE Band 41-PC2	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	40620	2593	21.32	22.50	1.312	42.9	1.009	-0.06	1.380	1.827
	LTE Band 41-PC2	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	41055	2636.5	21.24	22.50	1.337	42.9	1.009	-0.01	1.510	2.036
	LTE Band 41-PC2	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	Reduced	41490	2680	21.25	22.50	1.334	42.9	1.009	-0.05	1.640	2.207
	LTE Band 41-PC2	20M	QPSK	100	0	Back	0mm	Ant 1	Reduced	40185	2549.5	21.28	22.50	1.324	42.9	1.009	0.03	1.210	1.617
	LTE Band 41-PC2	20M	QPSK	100	0	Bottom Side	0mm	Ant 1	Reduced	40185	2549.5	21.28	22.50	1.324	42.9	1.009	0.02	1.260	1.684
	LTE Band 41-PC2	20M	QPSK	1	49	Front	0mm	Ant 2	Reduced	40185	2549.5	21.56	22.50	1.242	42.9	1.009	-0.18	0.786	0.985
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	40185	2549.5	21.56	22.50	1.242	42.9	1.009	-0.12	1.640	2.055
	LTE Band 41-PC2	20M	QPSK	1	49	Left Side	0mm	Ant 2	Reduced	40185	2549.5	21.56	22.50	1.242	42.9	1.009	0.02	0.980	1.228
	LTE Band 41-PC2	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	40185	2549.5	21.56	22.50	1.242	42.9	1.009	0.03	1.220	1.528
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	39750	2506	21.29	22.50	1.321	42.9	1.009	0.05	1.740	2.320
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	40620	2593	21.46	22.50	1.271	42.9	1.009	0.09	1.570	2.013
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	41055	2636.5	21.50	22.50	1.259	42.9	1.009	-0.08	1.500	1.905
	LTE Band 41-PC2	20M	QPSK	1	49	Back	0mm	Ant 2	Reduced	41490	2680	21.32	22.50	1.312	42.9	1.009	-0.08	1.490	1.973
	LTE Band 41-PC2	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	39750	2506	21.29	22.50	1.321	42.9	1.009	-0.11	1.720	2.293

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LTE Band 41-PC2	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	40620	2593	21.46	22.50	1.271	42.9	1.009	-0.13	1.170	1.500
LTE Band 41-PC2	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	41055	2636.5	21.50	22.50	1.259	42.9	1.009	0.01	1.650	2.096
LTE Band 41-PC2	20M	QPSK	1	49	Top Side	0mm	Ant 2	Reduced	41490	2680	21.32	22.50	1.312	42.9	1.009	-0.07	1.620	2.145
LTE Band 41-PC2	20M	QPSK	1	49	Front	7mm	Ant 2	Full	40185	2549.5	24.12	25.00	1.225	42.9	1.009	0.06	0.538	0.665
LTE Band 41-PC2	20M	QPSK	1	49	Back	14mm	Ant 2	Full	39750	2506	23.87	25.00	1.297	42.9	1.009	0.01	0.511	0.669
LTE Band 41-PC2	20M	QPSK	1	49	Left Side	5mm	Ant 2	Full	40185	2549.5	24.12	25.00	1.225	42.9	1.009	-0.07	0.740	0.914
LTE Band 41-PC2	20M	QPSK	1	49	Top Side	12mm	Ant 2	Full	39750	2506	23.87	25.00	1.297	42.9	1.009	0.01	0.640	0.838
LTE Band 41-PC2	20M	QPSK	50	24	Front	0mm	Ant 2	Reduced	40185	2549.5	20.67	21.50	1.211	42.9	1.009	-0.17	0.727	0.888
LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	40185	2549.5	20.67	21.50	1.211	42.9	1.009	-0.01	1.390	1.698
LTE Band 41-PC2	20M	QPSK	50	24	Left Side	0mm	Ant 2	Reduced	40185	2549.5	20.67	21.50	1.211	42.9	1.009	0.09	0.840	1.026
LTE Band 41-PC2	20M	QPSK	50	24	Top Side	0mm	Ant 2	Reduced	40185	2549.5	20.67	21.50	1.211	42.9	1.009	0.02	1.100	1.344
LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	39750	2506	20.57	21.50	1.239	42.9	1.009	0.01	1.480	1.850
LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	40620	2593	20.60	21.50	1.230	42.9	1.009	0.07	1.380	1.713
LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	41055	2636.5	20.48	21.50	1.265	42.9	1.009	-0.17	1.340	1.710
LTE Band 41-PC2	20M	QPSK	50	24	Back	0mm	Ant 2	Reduced	41490	2680	20.49	21.50	1.262	42.9	1.009	0.15	1.340	1.706
LTE Band 41-PC2	20M	QPSK	100	0	Back	0mm	Ant 2	Reduced	40185	2549.5	20.56	21.50	1.242	42.9	1.009	-0.18	1.390	1.741
LTE Band 41-PC2	20M	QPSK	100	0	Top Side	0mm	Ant 2	Reduced	40185	2549.5	20.56	21.50	1.242	42.9	1.009	-0.12	1.090	1.366



<WLAN SAR>

Plot No.	Band	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)	Reported 10g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3	Full	11	2462	22.10	24.10	1.585	99.4	1.006	0.02	1.290	2.057
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3	Full	11	2462	22.10	24.10	1.585	99.4	1.006	0.07	0.442	0.705
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3	Full	11	2462	22.10	24.10	1.585	99.4	1.006	0.04	0.555	0.885
66	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3	Full	1	2412	21.90	23.90	1.585	99.4	1.006	0.16	1.410	2.248
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3	Simultaneous	11	2462	18.50	20.50	1.585	99.4	1.006	-0.17	0.609	0.971
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3	Simultaneous	11	2462	18.50	20.50	1.585	99.4	1.006	0.01	0.204	0.325
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3	Simultaneous	11	2462	18.50	20.50	1.585	99.4	1.006	0.02	0.281	0.448

<WLAN SAR>

Plot No.	Band	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)	Reported 10g SAR (W/kg)
67	WLAN5.2GHz	802.11a 6Mbps	Right Side	0mm	Ant 4	Full	36	5180	18.75	20.70	1.565	96.97	1.031	-0.09	0.826	1.333
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 4	Full	36	5180	18.75	20.70	1.565	96.97	1.031	-0.05	0.810	1.307
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4	Simultaneous	42	5210	16.32	18.30	1.579	87.79	1.139	0.09	0.563	1.013
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4	Simultaneous	42	5210	16.32	18.30	1.579	87.79	1.139	0.07	0.511	0.919
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Front	0mm	Ant 4	Full	54	5270	18.46	20.40	1.564	93.79	1.066	-0.18	0.258	0.430
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Back	0mm	Ant 4	Full	54	5270	18.46	20.40	1.564	93.79	1.066	0.05	0.511	0.852
68	WLAN5.3GHz	802.11ac-VHT40 MCS0	Right Side	0mm	Ant 4	Full	54	5270	18.46	20.40	1.564	93.79	1.066	0.1	0.738	1.230
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Top Side	0mm	Ant 4	Full	54	5270	18.46	20.40	1.564	93.79	1.066	-0.13	0.563	0.938
	WLAN5.5GHz	802.11ac-VHT20 MCS0	Front	0mm	Ant 4	Full	140	5700	18.72	20.70	1.577	96.79	1.033	-0.07	0.405	0.660
	WLAN5.5GHz	802.11ac-VHT20 MCS0	Back	0mm	Ant 4	Full	140	5700	18.72	20.70	1.577	96.79	1.033	0.01	0.868	1.414
	WLAN5.5GHz	802.11ac-VHT20 MCS0	Right Side	0mm	Ant 4	Full	140	5700	18.72	20.70	1.577	96.79	1.033	-0.18	1.310	2.134
	WLAN5.5GHz	802.11ac-VHT20 MCS0	Top Side	0mm	Ant 4	Full	140	5700	18.72	20.70	1.577	96.79	1.033	0.01	0.414	0.674
69	WLAN5.5GHz	802.11ac-VHT20 MCS0	Right Side	0mm	Ant 4	Full	116	5580	18.46	20.40	1.563	96.79	1.033	-0.18	1.420	2.292
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4	Simultaneous	106	5530	15.26	17.20	1.563	87.79	1.139	0.06	0.337	0.600
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4	Simultaneous	106	5530	15.26	17.20	1.563	87.79	1.139	0.18	0.417	0.742
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4	Simultaneous	106	5530	15.26	17.20	1.563	87.79	1.139	0.09	0.271	0.482
	WLAN5.8GHz	802.11ac-VHT20 MCS0	Front	0mm	Ant 4	Full	149	5745	19.20	21.20	1.585	96.79	1.033	0.06	0.396	0.648
	WLAN5.8GHz	802.11ac-VHT20 MCS0	Back	0mm	Ant 4	Full	149	5745	19.20	21.20	1.585	96.79	1.033	-0.01	1.190	1.948
70	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4	Reduced	155	5775	18.45	20.40	1.568	87.79	1.139	0.14	1.540	2.751
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4	Simultaneous	155	5775	14.78	16.70	1.556	87.79	1.139	-0.11	0.488	0.865
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4	Simultaneous	155	5775	14.78	16.70	1.556	87.79	1.139	-0.14	0.849	1.505
	WLAN5.8GHz	802.11ac-VHT20 MCS0	Right Side	6mm	Ant 4	Full	149	5745	19.20	21.20	1.585	96.79	1.033	-0.08	1.110	1.817

15.5 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	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	Reduced	4132	826.4	19.77	21.00	1.327	0.01	1.070	1	1.420
2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	Reduced	4132	826.4	19.77	21.00	1.327	0.07	1.040	1.029	1.380
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	Reduced	9262	1852.4	17.43	18.50	1.279	0.09	1.110	1	1.420
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	Reduced	9262	1852.4	17.43	18.50	1.279	0.05	1.080	1.028	1.382
1st	LTE Band 13	10M	QPSK	1	25	-	Back	5mm	Ant 1	-	Reduced	23230	782	21.75	23.00	1.334	-0.02	1.050	1	1.400
2nd	LTE Band 13	10M	QPSK	1	25	-	Back	5mm	Ant 1	-	Reduced	23230	782	21.75	23.00	1.334	-0.04	1.020	1.029	1.360
1st	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	21100	2535	15.96	17.00	1.271	-0.01	1.040	1	1.321
2nd	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 1	-	Reduced	21100	2535	15.96	17.00	1.271	-0.01	1.010	1.030	1.283
1st	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	132072	1720	17.32	19.00	1.472	-0.01	0.966	1	1.422
2nd	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 1	Headset	Reduced	132072	1720	17.32	19.00	1.472	0.03	0.962	1.004	1.416

<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	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	GSM850	-	-	-	-	GPRS 4 Tx slots	Back	0mm	Ant 2	Full	251	848.8	27.87	29.00	1.297	0.01	2.300	1	2.984
2nd	GSM850	-	-	-	-	GPRS 4 Tx slots	Back	0mm	Ant 2	Full	251	848.8	27.87	29.00	1.297	0.07	2.260	1.018	2.932
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	1513	1752.6	19.77	21.00	1.327	0.02	2.700	1	3.584
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	1513	1752.6	19.77	21.00	1.327	0.06	2.650	1.019	3.518
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	9400	1880	19.91	21.00	1.285	0.05	2.710	1	3.483
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	Reduced	9400	1880	19.91	21.00	1.285	0.07	2.680	1.011	3.445
1st	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 1	Reduced	20850	2510	19.89	21.00	1.291	0.05	2.150	1	2.776
2nd	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 1	Reduced	20850	2510	19.89	21.00	1.291	0.02	2.120	1.014	2.737

General Note:

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

16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 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:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- EUT will choose each GSM, WCDMA and LTE according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- 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).
- WIFI 5.3/5.3GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can't transmit simultaneously.
- 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.
- The maximum SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg..
 - The SPLSR calculated results please refer to section 16.5.



16.2 Head Exposure Conditions

WWAN Band		Exposure Position	1	3	6	9	1+3 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN Ant 3	5GHz WLAN Ant 4	Bluetooth Ant 3		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850Ant 1	Right Cheek	0.782	0.357	0.282	0.079	1.14	1.14
		Right Tilted	0.439	0.357	0.282	0.073	0.80	0.79
		Left Cheek	0.611	0.357	0.282	0.114	0.97	1.01
		Left Tilted	0.375	0.357	0.282	0.112	0.73	0.77
	GSM850Ant 2	Right Cheek	1.188	0.357	0.282	0.079	1.55	1.55
		Right Tilted	0.849	0.357	0.282	0.073	1.21	1.20
		Left Cheek	0.920	0.357	0.282	0.114	1.28	1.32
		Left Tilted	0.814	0.357	0.282	0.112	1.17	1.21
	GSM1900Ant 1	Right Cheek	0.667	0.357	0.282	0.079	1.02	1.03
		Right Tilted	0.351	0.357	0.282	0.073	0.71	0.71
		Left Cheek	0.539	0.357	0.282	0.114	0.90	0.94
		Left Tilted	0.368	0.357	0.282	0.112	0.73	0.76
	GSM1900Ant 2	Right Cheek	0.927	0.357	0.282	0.079	1.28	1.29
		Right Tilted	1.140	0.357	0.282	0.073	1.50	1.50
		Left Cheek	0.575	0.357	0.282	0.114	0.93	0.97
		Left Tilted	0.655	0.357	0.282	0.112	1.01	1.05
WCDMA	WCDMA VAnt 1	Right Cheek	0.729	0.357	0.282	0.079	1.09	1.09
		Right Tilted	0.341	0.357	0.282	0.073	0.70	0.70
		Left Cheek	0.551	0.357	0.282	0.114	0.91	0.95
		Left Tilted	0.289	0.357	0.282	0.112	0.65	0.68
	WCDMA VAnt 2	Right Cheek	1.172	0.357	0.282	0.079	1.53	1.53
		Right Tilted	0.875	0.357	0.282	0.073	1.23	1.23
		Left Cheek	0.920	0.357	0.282	0.114	1.28	1.32
		Left Tilted	0.733	0.357	0.282	0.112	1.09	1.13
	WCDMA IVAnt 1	Right Cheek	0.451	0.357	0.282	0.079	0.81	0.81
		Right Tilted	0.236	0.357	0.282	0.073	0.59	0.59
		Left Cheek	0.255	0.357	0.282	0.114	0.61	0.65
		Left Tilted	0.215	0.357	0.282	0.112	0.57	0.61
	WCDMA IIAnt 1	Right Cheek	0.553	0.357	0.282	0.079	0.91	0.91
		Right Tilted	0.273	0.357	0.282	0.073	0.63	0.63
		Left Cheek	0.409	0.357	0.282	0.114	0.77	0.81
		Left Tilted	0.334	0.357	0.282	0.112	0.69	0.73
	WCDMA IIAnt 2	Right Cheek	1.004	0.357	0.282	0.079	1.36	1.37
		Right Tilted	1.122	0.357	0.282	0.073	1.48	1.48
		Left Cheek	0.674	0.357	0.282	0.114	1.03	1.07
		Left Tilted	0.775	0.357	0.282	0.112	1.13	1.17
LTE	LTE Band 71Ant 1	Right Cheek	0.380	0.357	0.282	0.079	0.74	0.74
		Right Tilted	0.204	0.357	0.282	0.073	0.56	0.56
		Left Cheek	0.435	0.357	0.282	0.114	0.79	0.83
		Left Tilted	0.279	0.357	0.282	0.112	0.64	0.67
	LTE Band 71Ant 2	Right Cheek	0.452	0.357	0.282	0.079	0.81	0.81
		Right Tilted	0.298	0.357	0.282	0.073	0.66	0.65
		Left Cheek	0.338	0.357	0.282	0.114	0.70	0.73
		Left Tilted	0.255	0.357	0.282	0.112	0.61	0.65
	LTE Band 12Ant 1	Right Cheek	0.483	0.357	0.282	0.079	0.84	0.84
		Right Tilted	0.268	0.357	0.282	0.073	0.63	0.62
		Left Cheek	0.409	0.357	0.282	0.114	0.77	0.81
		Left Tilted	0.344	0.357	0.282	0.112	0.70	0.74



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LTE Band 12Ant 2	Right Cheek	0.636	0.357	0.282	0.079	0.99	1.00
	Right Tilted	0.571	0.357	0.282	0.073	0.93	0.93
	Left Cheek	0.623	0.357	0.282	0.114	0.98	1.02
	Left Tilted	0.460	0.357	0.282	0.112	0.82	0.85
LTE Band 13Ant 1	Right Cheek	0.475	0.357	0.282	0.079	0.83	0.84
	Right Tilted	0.308	0.357	0.282	0.073	0.67	0.66
	Left Cheek	0.397	0.357	0.282	0.114	0.75	0.79
	Left Tilted	0.356	0.357	0.282	0.112	0.71	0.75
LTE Band 26Ant 1	Right Cheek	0.427	0.357	0.282	0.079	0.78	0.79
	Right Tilted	0.261	0.357	0.282	0.073	0.62	0.62
	Left Cheek	0.398	0.357	0.282	0.114	0.76	0.79
	Left Tilted	0.325	0.357	0.282	0.112	0.68	0.72
LTE Band 26Ant 2	Right Cheek	1.186	0.357	0.282	0.079	1.54	1.55
	Right Tilted	0.935	0.357	0.282	0.073	1.29	1.29
	Left Cheek	0.727	0.357	0.282	0.114	1.08	1.12
	Left Tilted	0.727	0.357	0.282	0.112	1.08	1.12
LTE Band 66Ant 1	Right Cheek	0.444	0.357	0.282	0.079	0.80	0.81
	Right Tilted	0.234	0.357	0.282	0.073	0.59	0.59
	Left Cheek	0.298	0.357	0.282	0.114	0.66	0.69
	Left Tilted	0.297	0.357	0.282	0.112	0.65	0.69
LTE Band 25Ant 1	Right Cheek	0.490	0.357	0.282	0.079	0.85	0.85
	Right Tilted	0.303	0.357	0.282	0.073	0.66	0.66
	Left Cheek	0.462	0.357	0.282	0.114	0.82	0.86
	Left Tilted	0.385	0.357	0.282	0.112	0.74	0.78
LTE Band 25Ant 2	Right Cheek	1.004	0.357	0.282	0.079	1.36	1.37
	Right Tilted	1.150	0.357	0.282	0.073	1.51	1.51
	Left Cheek	0.807	0.357	0.282	0.114	1.16	1.20
	Left Tilted	0.869	0.357	0.282	0.112	1.23	1.26
LTE Band 7Ant 1	Right Cheek	0.231	0.357	0.282	0.079	0.59	0.59
	Right Tilted	0.113	0.357	0.282	0.073	0.47	0.47
	Left Cheek	0.216	0.357	0.282	0.114	0.57	0.61
	Left Tilted	0.133	0.357	0.282	0.112	0.49	0.53
LTE Band 7Ant 2	Right Cheek	1.063	0.357	0.282	0.079	1.42	1.42
	Right Tilted	1.194	0.357	0.282	0.073	1.55	1.55
	Left Cheek	0.295	0.357	0.282	0.114	0.65	0.69
	Left Tilted	0.373	0.357	0.282	0.112	0.73	0.77
LTE Band 41-PC3Ant 1	Right Cheek	0.163	0.357	0.282	0.079	0.52	0.52
	Right Tilted	0.060	0.357	0.282	0.073	0.42	0.42
	Left Cheek	0.163	0.357	0.282	0.114	0.52	0.56
	Left Tilted	0.148	0.357	0.282	0.112	0.51	0.54
LTE Band 41-PC3Ant 2	Right Cheek	1.101	0.357	0.282	0.079	1.46	1.46
	Right Tilted	1.101	0.357	0.282	0.073	1.46	1.46
	Left Cheek	0.309	0.357	0.282	0.114	0.67	0.71
	Left Tilted	0.378	0.357	0.282	0.112	0.74	0.77
LTE Band 41-PC2Ant 1	Right Cheek	0.243	0.357	0.282	0.079	0.60	0.60
	Right Tilted	0.088	0.357	0.282	0.073	0.45	0.44
	Left Cheek	0.227	0.357	0.282	0.114	0.58	0.62
	Left Tilted	0.194	0.357	0.282	0.112	0.55	0.59
LTE Band 41-PC2Ant 2	Right Cheek	1.039	0.357	0.282	0.079	1.40	1.40
	Right Tilted	1.126	0.357	0.282	0.073	1.48	1.48
	Left Cheek	0.299	0.357	0.282	0.114	0.66	0.70
	Left Tilted	0.339	0.357	0.282	0.112	0.70	0.73



16.3 Hotspot Exposure Conditions

WWAN Band		Exposure Position	1	3	6	9	1+3 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	Case No
			WWAN	2.4GHz WLAN Ant 3	5GHz WLAN Ant 4	Bluetooth Ant 3			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
GSM	GSM850Ant 1	Front	0.721	0.167	0.110	0.066	0.89	0.90	
		Back	1.347	0.300	0.296	0.104	1.65	1.75	1 / 12
		Left side	0.308				0.31	0.31	
		Right side	0.500	0.187	0.502	0.043	0.69	1.05	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.045				1.05	1.05	
	GSM850Ant 2	Front	0.617	0.167	0.110	0.066	0.78	0.79	
		Back	1.107	0.300	0.296	0.104	1.41	1.51	
		Left side	0.263				0.26	0.26	
		Right side	0.272	0.187	0.502	0.043	0.46	0.82	
		Top side	0.896	0.209	0.281	0.068	1.11	1.25	
		Bottom side					0.00	0.00	
	GSM1900Ant 1	Front	0.758	0.167	0.110	0.066	0.93	0.93	
		Back	1.407	0.300	0.296	0.104	1.71	1.81	2 / 13
		Left side	0.467				0.47	0.47	
		Right side	0.153	0.187	0.502	0.043	0.34	0.70	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.417				1.42	1.42	
	GSM1900Ant 2	Front	0.620	0.167	0.110	0.066	0.79	0.80	
		Back	1.081	0.300	0.296	0.104	1.38	1.48	
		Left side	0.196				0.20	0.20	
		Right side	0.081	0.187	0.502	0.043	0.27	0.63	
		Top side	1.008	0.209	0.281	0.068	1.22	1.36	
		Bottom side					0.00	0.00	
WCDMA	WCDMA VAnt 1	Front	0.774	0.167	0.110	0.066	0.94	0.95	
		Back	1.420	0.300	0.296	0.104	1.72	1.82	3 / 14
		Left side	0.272				0.27	0.27	
		Right side	0.616	0.187	0.502	0.043	0.80	1.16	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.166				1.17	1.17	
	WCDMA VAnt 2	Front	0.615	0.167	0.110	0.066	0.78	0.79	
		Back	1.138	0.300	0.296	0.104	1.44	1.54	
		Left side	0.241				0.24	0.24	
		Right side	0.246	0.187	0.502	0.043	0.43	0.79	
		Top side	0.904	0.209	0.281	0.068	1.11	1.25	
		Bottom side					0.00	0.00	
	WCDMA IVAnt 1	Front	0.674	0.167	0.110	0.066	0.84	0.85	
		Back	1.371	0.300	0.296	0.104	1.67	1.77	4 / 15
		Left side	0.358				0.36	0.36	
		Right side	0.183	0.187	0.502	0.043	0.37	0.73	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.262				1.26	1.26	
	WCDMA IIAnt 1	Front	0.814	0.167	0.110	0.066	0.98	0.99	
		Back	1.420	0.300	0.296	0.104	1.72	1.82	5 / 16
		Left side	0.513				0.51	0.51	
		Right side	0.174	0.187	0.502	0.043	0.36	0.72	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.369				1.37	1.37	



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	WCDMA II Ant 2	Front	0.681	0.167	0.110	0.066	0.85	0.86	
		Back	1.079	0.300	0.296	0.104	1.38	1.48	
		Left side	0.175				0.18	0.18	
		Right side	0.063	0.187	0.502	0.043	0.25	0.61	
		Top side	1.019	0.209	0.281	0.068	1.23	1.37	
		Bottom side					0.00	0.00	
LTE	LTE Band 71Ant 1	Front	0.524	0.167	0.110	0.066	0.69	0.70	
		Back	1.075	0.300	0.296	0.104	1.38	1.48	
		Left side	0.475				0.48	0.48	
		Right side	0.942	0.187	0.502	0.043	1.13	1.49	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	0.515				0.52	0.52	
	LTE Band 71Ant 2	Front	0.161	0.167	0.110	0.066	0.33	0.34	
		Back	0.376	0.300	0.296	0.104	0.68	0.78	
		Left side	0.215				0.22	0.22	
		Right side	0.105	0.187	0.502	0.043	0.29	0.65	
		Top side	0.171	0.209	0.281	0.068	0.38	0.52	
		Bottom side					0.00	0.00	
	LTE Band 12Ant 1	Front	0.757	0.167	0.110	0.066	0.92	0.93	
		Back	1.300	0.300	0.296	0.104	1.60	1.70	6 / 17
		Left side	0.673				0.67	0.67	
		Right side	0.954	0.187	0.502	0.043	1.14	1.50	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	0.968				0.97	0.97	
	LTE Band 12Ant 2	Front	0.303	0.167	0.110	0.066	0.47	0.48	
		Back	0.724	0.300	0.296	0.104	1.02	1.12	
		Left side	0.286				0.29	0.29	
		Right side	0.190	0.187	0.502	0.043	0.38	0.74	
		Top side	0.489	0.209	0.281	0.068	0.70	0.84	
		Bottom side					0.00	0.00	
	LTE Band 13Ant 1	Front	0.852	0.167	0.110	0.066	1.02	1.03	
		Back	1.400	0.300	0.296	0.104	1.70	1.80	7 / 18
		Left side	0.388				0.39	0.39	
		Right side	0.975	0.187	0.502	0.043	1.16	1.52	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.101				1.10	1.10	
	LTE Band 26Ant 1	Front	0.888	0.167	0.110	0.066	1.06	1.06	
		Back	1.396	0.300	0.296	0.104	1.70	1.80	8 / 19
		Left side	0.286				0.29	0.29	
		Right side	0.497	0.187	0.502	0.043	0.68	1.04	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.086				1.09	1.09	
	LTE Band 26Ant 2	Front	0.446	0.167	0.110	0.066	0.61	0.62	
		Back	1.065	0.300	0.296	0.104	1.37	1.47	
		Left side	0.161				0.16	0.16	
		Right side	0.160	0.187	0.502	0.043	0.35	0.71	
		Top side	0.696	0.209	0.281	0.068	0.91	1.05	
		Bottom side					0.00	0.00	
	LTE Band 66Ant 1	Front	0.603	0.167	0.110	0.066	0.77	0.78	
		Back	1.413	0.300	0.296	0.104	1.71	1.81	9 / 20
		Left side	0.300				0.30	0.30	
		Right side	0.160	0.187	0.502	0.043	0.35	0.71	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.265				1.27	1.27	
	LTE Band 25Ant 1	Front	0.858	0.167	0.110	0.066	1.03	1.03	
		Back	1.369	0.300	0.296	0.104	1.67	1.77	10 / 21

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		Left side	0.493				0.49	0.49	
		Right side	0.181	0.187	0.502	0.043	0.37	0.73	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.396				1.40	1.40	
	LTE Band 25Ant 2	Front	0.618	0.167	0.110	0.066	0.79	0.79	
		Back	1.142	0.300	0.296	0.104	1.44	1.54	
		Left side	0.204				0.20	0.20	
		Right side	0.068	0.187	0.502	0.043	0.26	0.61	
	LTE Band 7Ant 1	Top side	1.186	0.209	0.281	0.068	1.40	1.54	
		Bottom side					0.00	0.00	
		Front	0.446	0.167	0.110	0.066	0.61	0.62	
		Back	1.321	0.300	0.296	0.104	1.62	1.72	11 / 22
	LTE Band 7Ant 2	Left side	0.104				0.10	0.10	
		Right side	0.103	0.187	0.502	0.043	0.29	0.65	
		Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.254				1.25	1.25	
	LTE Band 41-PC3Ant 1	Front	0.316	0.167	0.110	0.066	0.48	0.49	
		Back	1.141	0.300	0.296	0.104	1.44	1.54	
		Left side	0.326				0.33	0.33	
		Right side		0.187	0.502	0.043	0.19	0.55	
	LTE Band 41-PC2Ant 1	Top side	1.159	0.209	0.281	0.068	1.37	1.51	
		Bottom side					0.00	0.00	
	LTE Band 41-PC3Ant 2	Front	0.528	0.167	0.110	0.066	0.70	0.70	
		Back	1.284	0.300	0.296	0.104	1.58	1.68	23
		Left side	0.101				0.10	0.10	
		Right side	0.100	0.187	0.502	0.043	0.29	0.65	
	LTE Band 41-PC2Ant 2	Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.204				1.20	1.20	
	LTE Band 41-PC3Ant 1	Front	0.265	0.167	0.110	0.066	0.43	0.44	
		Back	1.066	0.300	0.296	0.104	1.37	1.47	
		Left side	0.312				0.31	0.31	
		Right side		0.187	0.502	0.043	0.19	0.55	
	LTE Band 41-PC2Ant 1	Top side	1.147	0.209	0.281	0.068	1.36	1.50	
		Bottom side					0.00	0.00	
	LTE Band 41-PC2Ant 1	Front	0.533	0.167	0.110	0.066	0.70	0.71	
		Back	1.261	0.300	0.296	0.104	1.56	1.66	24
		Left side	0.109				0.11	0.11	
		Right side	0.112	0.187	0.502	0.043	0.30	0.66	
	LTE Band 41-PC2Ant 2	Top side		0.209	0.281	0.068	0.21	0.35	
		Bottom side	1.337				1.34	1.34	
	LTE Band 41-PC2Ant 2	Front	0.338	0.167	0.110	0.066	0.51	0.51	
		Back	1.170	0.300	0.296	0.104	1.47	1.57	
		Left side	0.304				0.30	0.30	
		Right side		0.187	0.502	0.043	0.19	0.55	
	LTE Band 41-PC2Ant 2	Top side	1.177	0.209	0.281	0.068	1.39	1.53	
		Bottom side					0.00	0.00	



16.4 Body-Worn Accessory Exposure Conditions

WWAN Band		Exposure Position	1	3	6	9	1+3 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	Case No
			WWAN	2.4GHz WLAN Ant 3	5GHz WLAN Ant 4	Bluetooth Ant 3			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
GSM	GSM850Ant 1	Front	0.721	0.167	0.212	0.066	0.89	1.00	
		Back	1.347	0.300	0.296	0.104	1.65	1.75	1 / 12
		Front with Headset					0.00	0.00	
		Back with Headset	1.330				1.33	1.33	
	GSM850Ant 2	Front	0.617	0.167	0.212	0.066	0.78	0.90	
		Back	1.107	0.300	0.296	0.104	1.41	1.51	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	GSM1900Ant 1	Front	0.758	0.167	0.212	0.066	0.93	1.04	
		Back	1.407	0.300	0.296	0.104	1.71	1.81	2 / 13
		Front with Headset					0.00	0.00	
		Back with Headset	1.260				1.26	1.26	
	GSM1900Ant 2	Front	0.620	0.167	0.212	0.066	0.79	0.90	
		Back	1.081	0.300	0.296	0.104	1.38	1.48	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
WCDMA	WCDMA VAnt 1	Front	0.774	0.167	0.212	0.066	0.94	1.05	
		Back	1.420	0.300	0.296	0.104	1.72	1.82	3 / 14
		Front with Headset					0.00	0.00	
		Back with Headset	1.309				1.31	1.31	
	WCDMA VAnt 2	Front	0.615	0.167	0.212	0.066	0.78	0.89	
		Back	1.138	0.300	0.296	0.104	1.44	1.54	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	WCDMA IVAnt 1	Front	0.674	0.167	0.212	0.066	0.84	0.95	
		Back	1.371	0.300	0.296	0.104	1.67	1.77	4 / 15
		Front with Headset					0.00	0.00	
		Back with Headset	1.349				1.35	1.35	
	WCDMA IIAnt 1	Front	0.814	0.167	0.212	0.066	0.98	1.09	
		Back	1.420	0.300	0.296	0.104	1.72	1.82	5 / 16
		Front with Headset					0.00	0.00	
		Back with Headset	1.343				1.34	1.34	
	WCDMA IIAnt 2	Front	0.681	0.167	0.212	0.066	0.85	0.96	
		Back	1.079	0.300	0.296	0.104	1.38	1.48	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
LTE	LTE Band 71Ant 1	Front	0.524	0.167	0.212	0.066	0.69	0.80	
		Back	1.075	0.300	0.296	0.104	1.38	1.48	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 71Ant 2	Front	0.161	0.167	0.212	0.066	0.33	0.44	
		Back	0.376	0.300	0.296	0.104	0.68	0.78	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 12Ant 1	Front	0.757	0.167	0.212	0.066	0.92	1.04	
		Back	1.300	0.300	0.296	0.104	1.60	1.70	6 / 17
		Front with Headset					0.00	0.00	
		Back with Headset	1.444				1.44	1.44	



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	LTE Band 12Ant 2	Front	0.303	0.167	0.212	0.066	0.47	0.58	
		Back	0.724	0.300	0.296	0.104	1.02	1.12	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 13Ant 1	Front	0.852	0.167	0.212	0.066	1.02	1.13	
		Back	1.400	0.300	0.296	0.104	1.70	1.80	7 / 18
		Front with Headset					0.00	0.00	
		Back with Headset	1.374				1.37	1.37	
	LTE Band 26Ant 1	Front	0.888	0.167	0.212	0.066	1.06	1.17	
		Back	1.396	0.300	0.296	0.104	1.70	1.80	8 / 19
		Front with Headset					0.00	0.00	
		Back with Headset	1.383				1.38	1.38	
	LTE Band 26Ant 2	Front	0.446	0.167	0.212	0.066	0.61	0.72	
		Back	1.065	0.300	0.296	0.104	1.37	1.47	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 66Ant 1	Front	0.603	0.167	0.212	0.066	0.77	0.88	
		Back	1.413	0.300	0.296	0.104	1.71	1.81	9 / 20
		Front with Headset					0.00	0.00	
		Back with Headset	1.422				1.42	1.42	
	LTE Band 25Ant 1	Front	0.858	0.167	0.212	0.066	1.03	1.14	
		Back	1.369	0.300	0.296	0.104	1.67	1.77	10 / 21
		Front with Headset					0.00	0.00	
		Back with Headset	1.283				1.28	1.28	
	LTE Band 25Ant 2	Front	0.618	0.167	0.212	0.066	0.79	0.90	
		Back	1.142	0.300	0.296	0.104	1.44	1.54	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 7Ant 1	Front	0.525	0.167	0.212	0.066	0.69	0.80	
		Back	1.321	0.300	0.296	0.104	1.62	1.72	11 / 22
		Front with Headset					0.00	0.00	
		Back with Headset	1.296				1.30	1.30	
	LTE Band 7Ant 2	Front	0.357	0.167	0.212	0.066	0.52	0.64	
		Back	1.141	0.300	0.296	0.104	1.44	1.54	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 41-PC3Ant 1	Front	0.528	0.167	0.212	0.066	0.70	0.81	
		Back	1.284	0.300	0.296	0.104	1.58	1.68	23
		Front with Headset					0.00	0.00	
		Back with Headset	1.296				1.30	1.30	
	LTE Band 41-PC3Ant 2	Front	0.265	0.167	0.212	0.066	0.43	0.54	
		Back	1.066	0.300	0.296	0.104	1.37	1.47	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	
	LTE Band 41-PC2Ant 1	Front	0.533	0.167	0.212	0.066	0.70	0.81	
		Back	1.261	0.300	0.296	0.104	1.56	1.66	24
		Front with Headset					0.00	0.00	
		Back with Headset	1.299				1.30	1.30	
	LTE Band 41-PC2Ant 2	Front	0.338	0.167	0.212	0.066	0.51	0.62	
		Back	1.170	0.300	0.296	0.104	1.47	1.57	
		Front with Headset					0.00	0.00	
		Back with Headset					0.00	0.00	



16.5 Product Specific Exposure Conditions

WWAN Band		Exposure Position	1	2	5	1+2 Summed 10g SAR (W/kg)	1+5 Summed 10g SAR (W/kg)	Case No
			WWAN	2.4GHz WLAN Ant 3	5GHz WLAN Ant 4			
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)			
GSM	GSM850Ant 1	Front	2.407		0.660	2.41	3.07	
		Back	2.757	0.971	0.865	3.73	3.62	
		Left side				0.00	0.00	
		Right side	0.973	0.325	1.505	1.30	2.48	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.937			2.94	2.94	
	GSM850Ant 2	Front			0.660	0.00	0.66	
		Back	2.984	0.971	0.865	3.96	3.85	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side	1.375	0.448	0.938	1.82	2.31	
		Bottom side				0.00	0.00	
	GSM1900Ant 1	Front	2.132		0.660	2.13	2.79	
		Back	3.364	0.971	0.865	4.34	4.23	26 / 33
		Left side	3.042			3.04	3.04	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.702			2.70	2.70	
	GSM1900Ant 2	Front	1.339		0.660	1.34	2.00	
		Back	2.842	0.971	0.865	3.81	3.71	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side	2.785	0.448	0.938	3.23	3.72	
		Bottom side				0.00	0.00	
WCDMA	WCDMA VAnt 1	Front	1.447		0.660	1.45	2.11	
		Back	2.112	0.971	0.865	3.08	2.98	
		Left side				0.00	0.00	
		Right side	0.726	0.325	1.505	1.05	2.23	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.580			2.58	2.58	
	WCDMA VAnt 2	Front			0.660	0.00	0.66	
		Back	2.954	0.971	0.865	3.93	3.82	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side	0.877	0.448	0.938	1.33	1.82	
		Bottom side				0.00	0.00	
	WCDMA IVAnt 1	Front	1.925		0.660	1.93	2.59	
		Back	3.584	0.971	0.865	4.56	4.45	28 / 34
		Left side	1.938			1.94	1.94	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.707			2.71	2.71	
	WCDMA IIAnt 1	Front	2.152		0.660	2.15	2.81	
		Back	3.483	0.971	0.865	4.45	4.35	29 / 35
		Left side	2.554			2.55	2.55	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.828			2.83	2.83	
	WCDMA IIAnt 2	Front	1.355		0.660	1.36	2.02	



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LTE		Back	2.887	0.971	0.865	3.86	3.75	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side	2.792	0.448	0.938	3.24	3.73	
		Bottom side				0.00	0.00	
	LTE Band 12Ant 1	Front			0.660	0.00	0.66	
		Back	1.784	0.971	0.865	2.76	2.65	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
	LTE Band 13Ant 1	Front			0.660	0.00	0.66	
		Back	2.183	0.971	0.865	3.15	3.05	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
	LTE Band 26Ant 1	Front	1.770		0.660	1.77	2.43	
		Back	2.089	0.971	0.865	3.06	2.95	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
	LTE Band 26Ant 2	Front			0.660	0.00	0.66	
		Back	2.399	0.971	0.865	3.37	3.26	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side	0.999	0.448	0.938	1.45	1.94	
	LTE Band 66Ant 1	Bottom side				0.00	0.00	
		Front	1.877		0.660	1.88	2.54	
		Back	3.300	0.971	0.865	4.27	4.17	30 / 36
		Left side	1.949			1.95	1.95	
		Right side		0.325	1.505	0.33	1.51	
	LTE Band 25Ant 1	Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.728			2.73	2.73	
		Front	1.925		0.660	1.93	2.59	
		Back	3.194	0.971	0.865	4.17	4.06	31 / 37
		Left side	2.682			2.68	2.68	
	LTE Band 25Ant 2	Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	3.168			3.17	3.17	
		Front	1.097		0.660	1.10	1.76	
		Back	3.014	0.971	0.865	3.99	3.88	
	LTE Band 7Ant 1	Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side	2.580	0.448	0.938	3.03	3.52	
		Bottom side				0.00	0.00	
		Front	1.522		0.660	1.52	2.18	
	LTE Band 7Ant 2	Back	2.776	0.971	0.865	3.75	3.64	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.699			2.70	2.70	
		Front	1.194		0.660	1.19	1.85	
		Back	2.341	0.971	0.865	3.31	3.21	
		Left side	1.031			1.03	1.03	

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		Right side		0.325	1.505	0.33	1.51	
		Top side	1.817	0.448	0.938	2.27	2.76	
		Bottom side				0.00	0.00	
	LTE Band 41-PC3Ant 1	Front	1.256		0.660	1.26	1.92	
		Back	2.153	0.971	0.865	3.12	3.02	
		Left side				0.00	0.00	
		Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
	LTE Band 41-PC3Ant 2	Bottom side	2.658			2.66	2.66	
		Front	1.063		0.660	1.06	1.72	
		Back	2.205	0.971	0.865	3.18	3.07	
		Left side	1.360			1.36	1.36	
		Right side		0.325	1.505	0.33	1.51	
	LTE Band 41-PC2Ant 1	Top side	2.140	0.448	0.938	2.59	3.08	
		Bottom side				0.00	0.00	
		Front	0.806		0.660	0.81	1.47	
		Back	2.009	0.971	0.865	2.98	2.87	
		Left side				0.00	0.00	
	LTE Band 41-PC2Ant 2	Right side		0.325	1.505	0.33	1.51	
		Top side		0.448	0.938	0.45	0.94	
		Bottom side	2.368			2.37	2.37	
		Front	0.985		0.660	0.99	1.65	
		Back	2.320	0.971	0.865	3.29	3.19	
	LTE Band 41-PC2Ant 2	Left side	1.228			1.23	1.23	
		Right side		0.325	1.505	0.33	1.51	
		Top side	2.293	0.448	0.938	2.74	3.23	
		Bottom side				0.00	0.00	

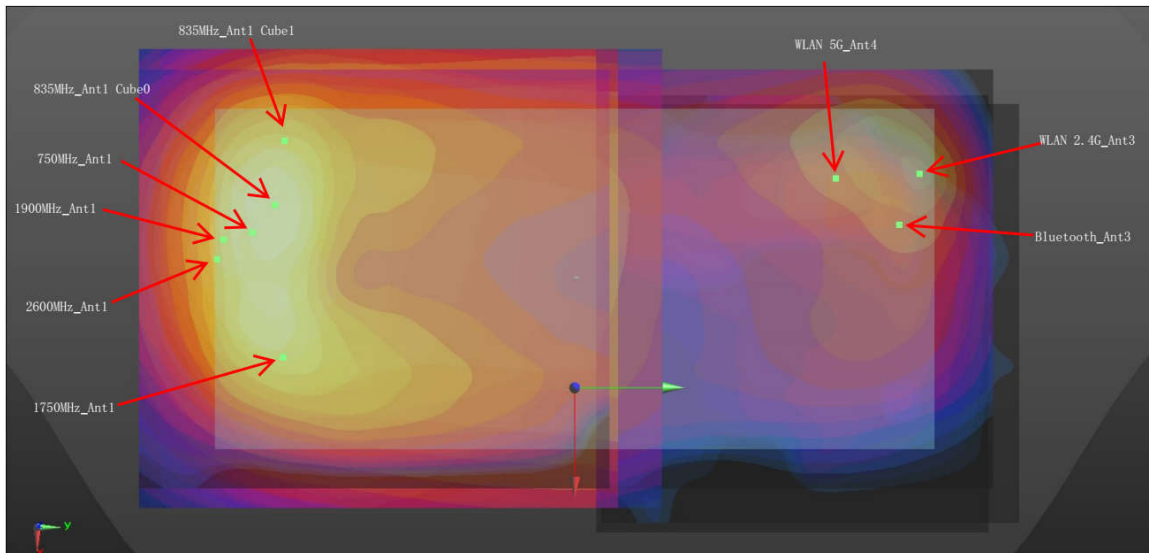
Remark:

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

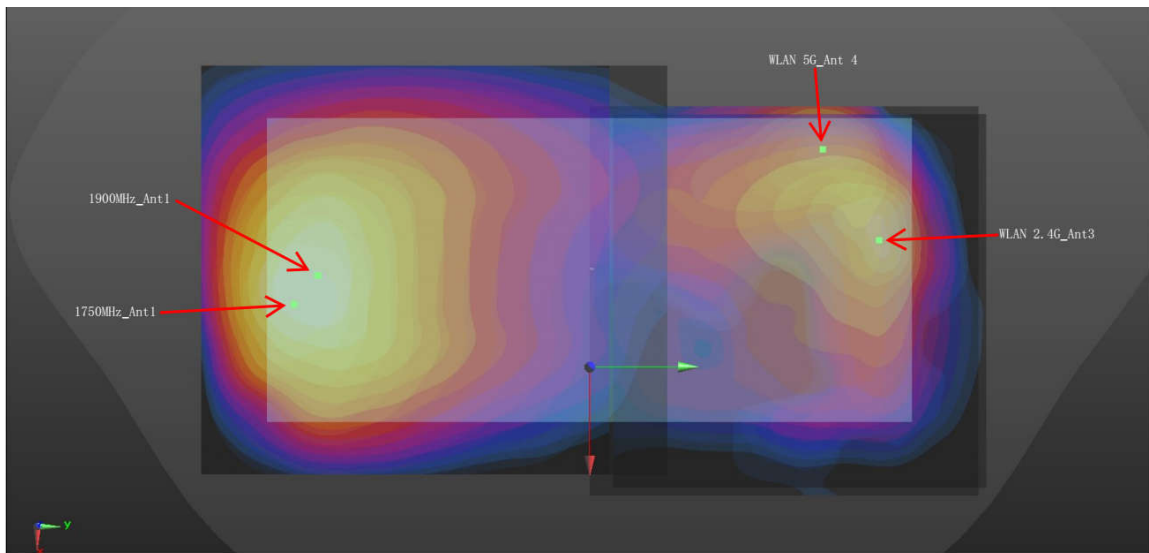
16.6 SPLSR Evaluation and Analysis

General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.



WWAN+WLAN2.4GHz/ WWAN+WLAN5GHz+Bluetooth_Back 5mm



WWAN+WLAN2.4GHz/WWAN+WLAN5GHz_Back 0mm

Hotspot/Body worn WWAN+WLAN2.4GHz											
Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850_Ant 1	Back	1.347	5	-0.031	-0.082	-0.21	162.2	1.65	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM1900_Ant 1	Back	1.407	5	-0.0175	-0.0705	-0.207	153.0	1.71	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA V_Ant 1	Back	1.42	5	-0.031	-0.082	-0.21	162.2	1.72	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA IV_Ant 1	Back	1.371	5	-0.0175	-0.07	-0.207	152.5	1.67	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 5	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA II_Ant 1	Back	1.42	5	-0.0295	-0.082	-0.207	162.4	1.72	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 12_Ant 1	Back	1.3	5	-0.034	-0.0805	-0.209	160.4	1.60	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 13_Ant 1	Back	1.4	5	-0.0355	-0.074	-0.209	153.8	1.70	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 8 Plot No	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26_Ant 1	Back	1.396	5	-0.0355	-0.074	-0.209	153.8	1.70	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26_Ant 1	Back	1.396	5	-0.0405	-0.0745	-0.209	153.9	1.70	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 9	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 66_Ant 1	Back	1.413	5	-0.015	-0.067	-0.209	150.1	1.71	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25_Ant 1	Back	1.369	5	-0.027	-0.0805	-0.209	161.2	1.67	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				

Case 11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 7_Ant 1	Back	1.321	5	-0.0406	-0.072	-0.209	151.4	1.62	0.01	Not required
	WLAN2.4GHz		0.3	5	-0.049	0.0792	-0.209				
Hotspot/Body worn WWAN+WLAN5GHz+Bluetooth											
Case 12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM850_Ant 1	Back	1.347	5	-0.031	-0.082	-0.21	143.7	1.64	0.01	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	GSM850_Ant 1	Back	1.347	5	-0.031	-0.082	-0.21	156.6	1.45	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900_Ant 1	Back	1.407	5	-0.0175	-0.0705	-0.207	134.3	1.70	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	GSM1900_Ant 1	Back	1.407	5	-0.0175	-0.0705	-0.207	146.3	1.51	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 14	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V_Ant 1	Back	1.42	5	-0.031	-0.082	-0.21	143.7	1.72	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	WCDMA V_Ant 1	Back	1.42	5	-0.031	-0.082	-0.21	156.6	1.52	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 15	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV_Ant 1	Back	1.371	5	-0.0175	-0.07	-0.207	133.9	1.67	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	WCDMA IV_Ant 1	Back	1.371	5	-0.0175	-0.07	-0.207	145.8	1.48	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 16	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA II_Ant 1	Back	1.42	5	-0.0295	-0.082	-0.207	143.8	1.72	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	WCDMA II_Ant 1	Back	1.42	5	-0.0295	-0.082	-0.207	156.6	1.52	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 17	LTE Band 12_Ant 1	Back	1.3	5	-0.034	-0.0805	-0.209	141.9	1.60	0.01	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 12_Ant 1	Back	1.3	5	-0.034	-0.0805	-0.209	155.0	1.40	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 18	LTE Band 13_Ant 1	Back	1.4	5	-0.0355	-0.074	-0.209	135.3	1.70	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 13_Ant 1	Back	1.4	5	-0.0355	-0.074	-0.209	148.4	1.50	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 19	LTE Band 26_Ant 1	Back	1.396	5	-0.0355	-0.074	-0.209	135.3	1.69	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 26_Ant 1	Back	1.396	5	-0.0355	-0.074	-0.209	148.4	1.50	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	LTE Band 26_Ant 1	Back	1.396	5	-0.0405	-0.0745	-0.209	135.6	1.69	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 26_Ant 1	Back	1.396	5	-0.0405	-0.0745	-0.209	149.0	1.50	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 20	LTE Band 66_Ant 1	Back	1.413	5	-0.015	-0.067	-0.209	131.5	1.71	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 66_Ant 1	Back	1.413	5	-0.015	-0.067	-0.209	143.2	1.52	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
Case 21	LTE Band 25_Ant 1	Back	1.369	5	-0.027	-0.0805	-0.209	142.7	1.67	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 25_Ant 1	Back	1.369	5	-0.027	-0.0805	-0.209	155.3	1.47	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				

Case 22	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 7_Ant 1	Back	1.321	5	-0.0406	-0.072	-0.209	133.1	1.62	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 7_Ant 1	Back	1.321	5	-0.0406	-0.072	-0.209	146.5	1.43	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				

Case 23	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41-PC3_Ant 1	Back	1.284	5	-0.0368	-0.0688	-0.209	130.1	1.58	0.02	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 41-PC3_Ant 1	Back	1.284	5	-0.0368	-0.0688	-0.209	143.2	1.39	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				

Case 24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41-PC2_Ant 1	Back	1.261	5	-0.031	-0.0796	-0.209	141.3	1.56	0.01	Not required
	WLAN5GHz		0.296	5	-0.045	0.061	-0.207				
	LTE Band 41-PC2_Ant 1	Back	1.261	5	-0.031	-0.0796	-0.209	154.2	1.37	0.01	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				
	WLAN5GHz	Back	0.296	5	-0.045	0.061	-0.207	15.4	0.40	0.02	Not required
	Bluetooth		0.104	5	-0.0374	0.0744	-0.206				

Product Specific WWAN+WLAN2.4GHz

Case 26	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM1900_Ant 1	Back	3.364	0	-0.0175	-0.0735	-0.207	149.3	4.34	0.06	Not required
	WLAN2.4GHz		0.971	0	-0.0376	0.0744	-0.206				

Case 28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA IV_Ant 1	Back	3.584	0	-0.016	-0.076	-0.207	151.9	4.56	0.06	Not required
	WLAN2.4GHz		0.971	0	-0.0376	0.0744	-0.206				

Case 29	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA II_Ant 1	Back	3.483	0	-0.0235	-0.07	-0.207	145.1	4.45	0.06	Not required
	WLAN2.4GHz		0.971	0	-0.0376	0.0744	-0.206				

Case 30	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 66_Ant 1	Back	3.3	0	-0.031	-0.0805	-0.209	155.1	4.27	0.06	Not required
	WLAN2.4GHz		0.971	0	-0.0376	0.0744	-0.206				

Case 31	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25_Ant 1	Back	3.194	0	-0.0235	-0.076	-0.209	151.1	4.17	0.06	Not required
	WLAN2.4GHz		0.971	0	-0.0376	0.0744	-0.206				

Product Specific WWAN+WLAN5GHz											
Case 33	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900_Ant 1	Back	3.364	0	-0.0175	-0.0735	-0.207	143.0	4.23	0.06	Not required
	WLAN5GHz		0.865	0	-0.053	0.065	-0.207				
Case 34	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV_Ant 1	Back	3.584	0	-0.016	-0.076	-0.207	145.8	4.45	0.06	Not required
	WLAN5GHz		0.865	0	-0.053	0.065	-0.207				
Case 35	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA II_Ant 1	Back	3.483	0	-0.0235	-0.07	-0.207	138.2	4.35	0.07	Not required
	WLAN5GHz		0.865	0	-0.053	0.065	-0.207				
Case 36	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 66_Ant 1	Back	3.3	0	-0.031	-0.0805	-0.209	147.2	4.17	0.06	Not required
	WLAN5GHz		0.865	0	-0.053	0.065	-0.207				
Case 37	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25_Ant 1	Back	3.194	0	-0.0235	-0.076	-0.209	144.1	4.06	0.06	Not required
	WLAN5GHz		0.865	0	-0.053	0.065	-0.207				

Test Engineer : Hank Huang, Bin He, David Dai

17. Uncertainty Assessment

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

18. References

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

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



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz

DUT: D750V3-SN:1099

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

Medium: HSL_750_210816 Medium parameters used: $f = 750$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 40.936$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(11.05, 11.05, 11.05); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 2.21 W/kg

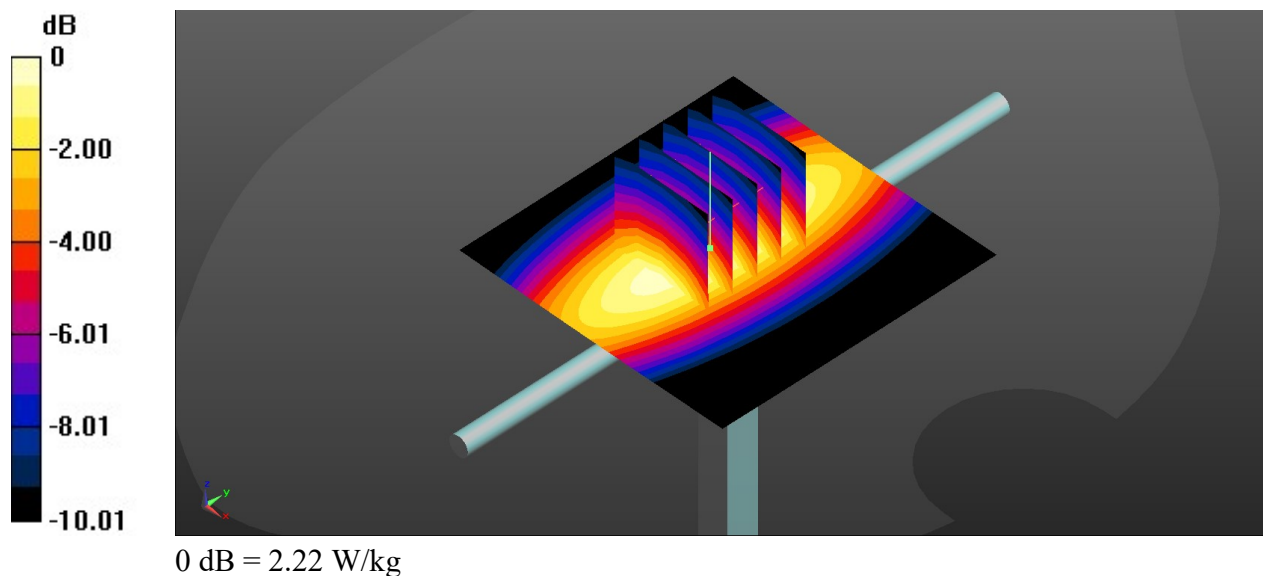
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.37 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.33 W/kg

Maximum value of SAR (measured) = 2.22 W/kg



System Check_Head_835MHz

DUT: D835V2-SN:4d162

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

Medium: HSL_835_210812 Medium parameters used: $f = 835$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 40.381$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(10.19, 10.19, 10.19); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 3.04 W/kg

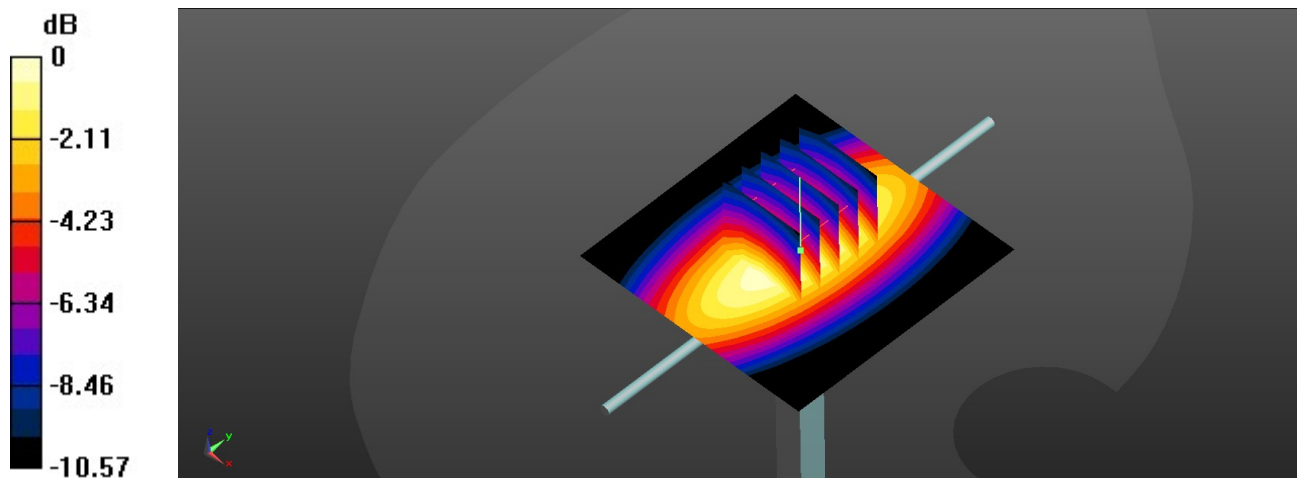
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.04 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.47 W/kg

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

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



0 dB = 3.05 W/kg

System Check_Head_835MHz

DUT: D835V2-SN:4d162

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

Medium: HSL_835_210817 Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 42.227$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(10.19, 10.19, 10.19); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 3.10 W/kg

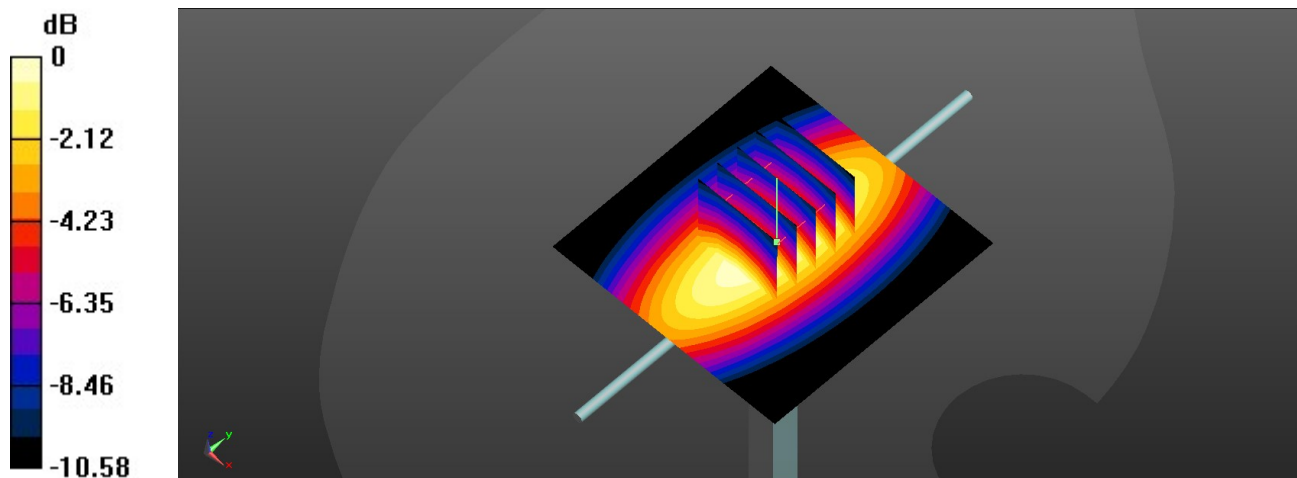
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.42 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 3.11 W/kg



0 dB = 3.11 W/kg

System Check_Head_835MHz

DUT: D835V2-SN:4d162

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

Medium: HSL_835_210818 Medium parameters used: $f = 835$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 40.749$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(10.9, 10.9, 10.9); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 3.33 W/kg

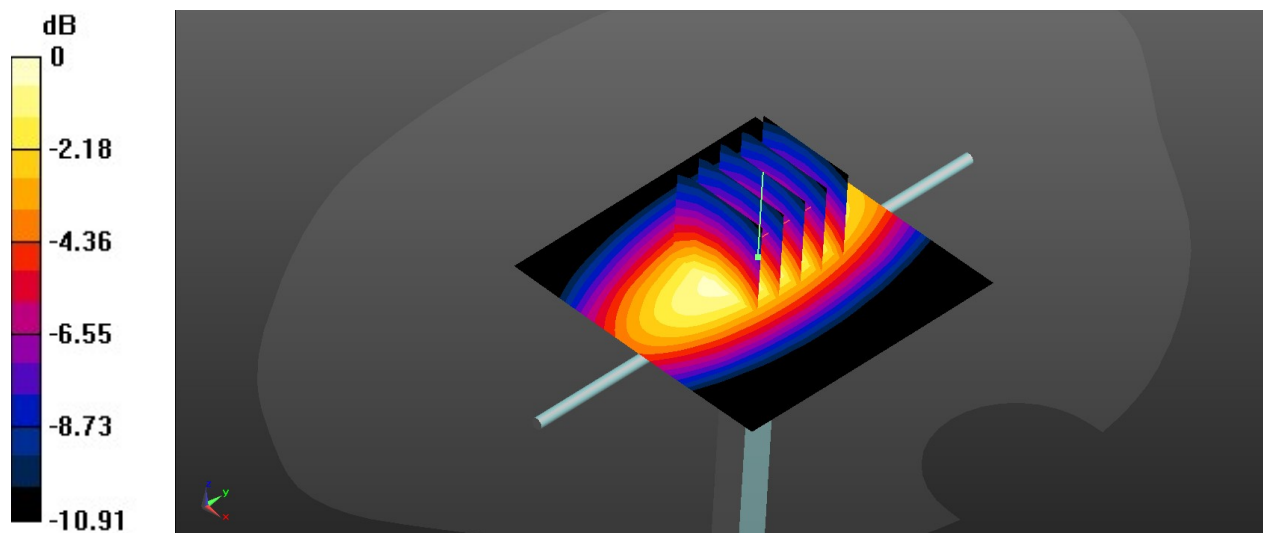
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.89 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.64 W/kg

Maximum value of SAR (measured) = 3.36 W/kg



0 dB = 3.36 W/kg

System Check_Head_1750MHz

DUT: D1750V2-SN:1090

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

Medium: HSL_1750_210813 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 41.541$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(8.73, 8.73, 8.73); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

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

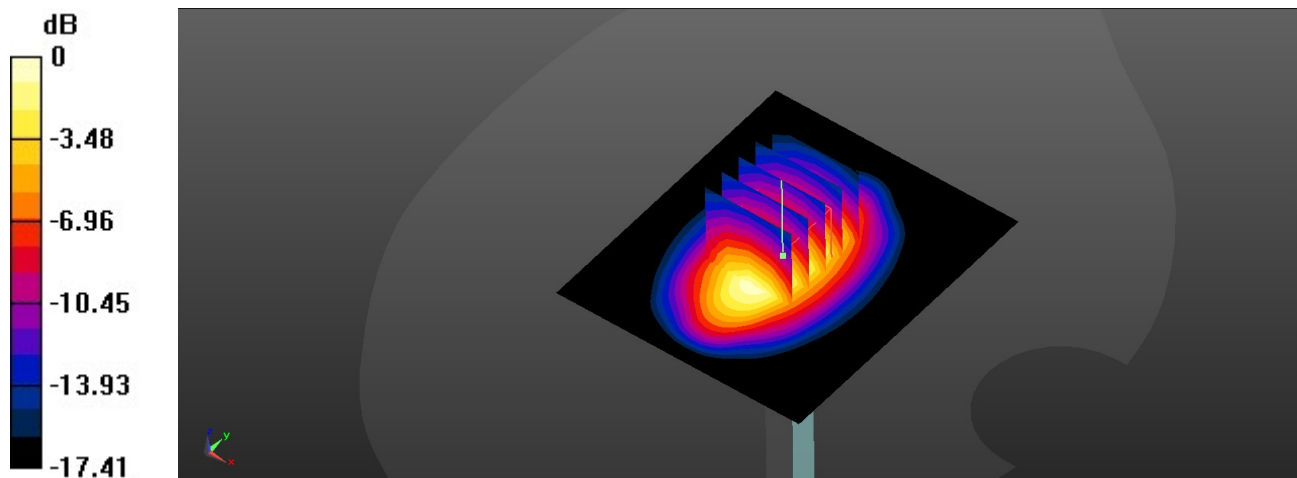
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 104.8 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 8.75 W/kg; SAR(10 g) = 4.72 W/kg

Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 12.8 W/kg

System Check_Head_1750MHz

DUT: D1750V2-SN:1090

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

Medium: HSL_1750_210820 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 38.395$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(8.73, 8.73, 8.73); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 13.9 W/kg

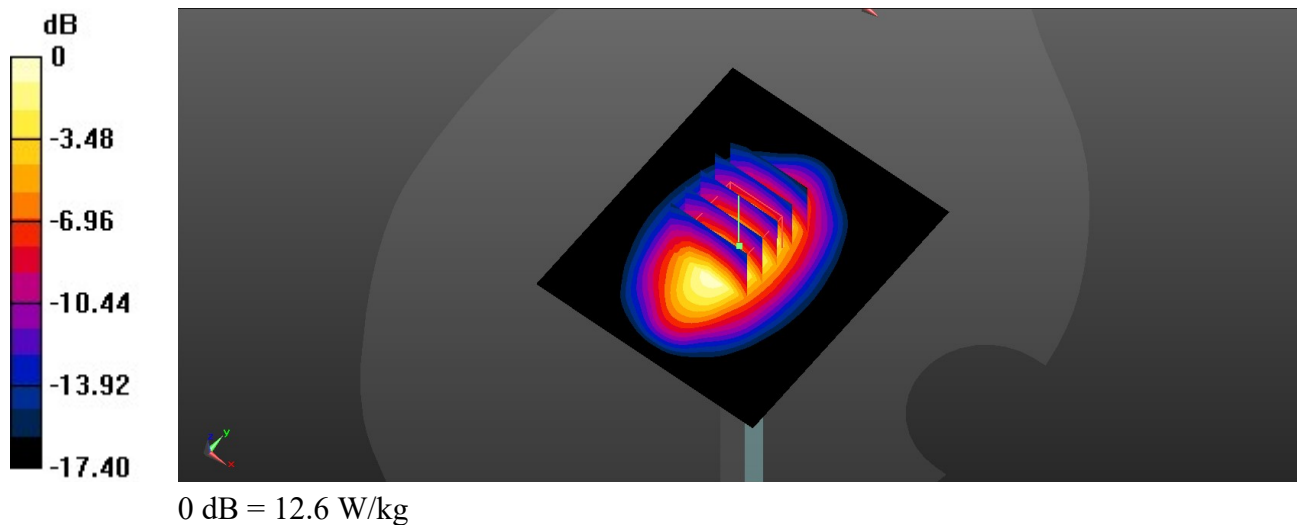
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.3 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 8.62 W/kg; SAR(10 g) = 4.65 W/kg

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



System Check_Head_1750MHz

DUT: D1750V2-SN:1090

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

Medium: HSL_1750_210821 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 41.359$;
 $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(9.41, 9.41, 9.41); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 14.6 W/kg

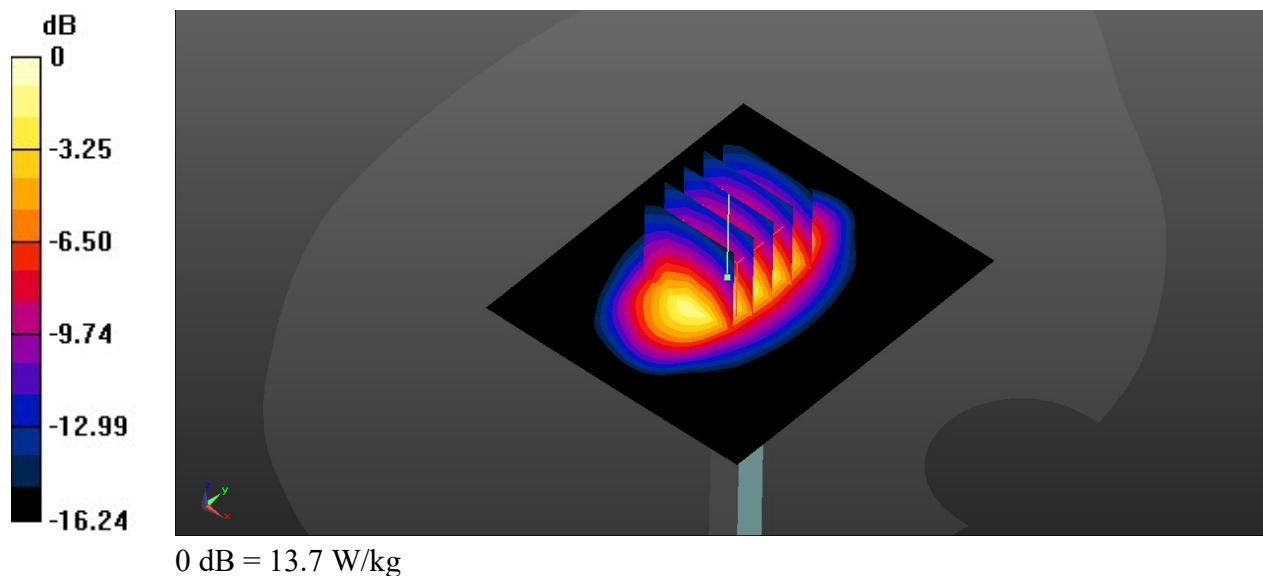
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.17 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 9.16 W/kg; SAR(10 g) = 4.97 W/kg

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



System Check_Head_1900MHz

DUT: D1900V2-SN:5d182

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

Medium: HSL_1900_210814 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.443$ S/m; $\epsilon_r = 40.03$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(8.33, 8.33, 8.33); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 15.5 W/kg

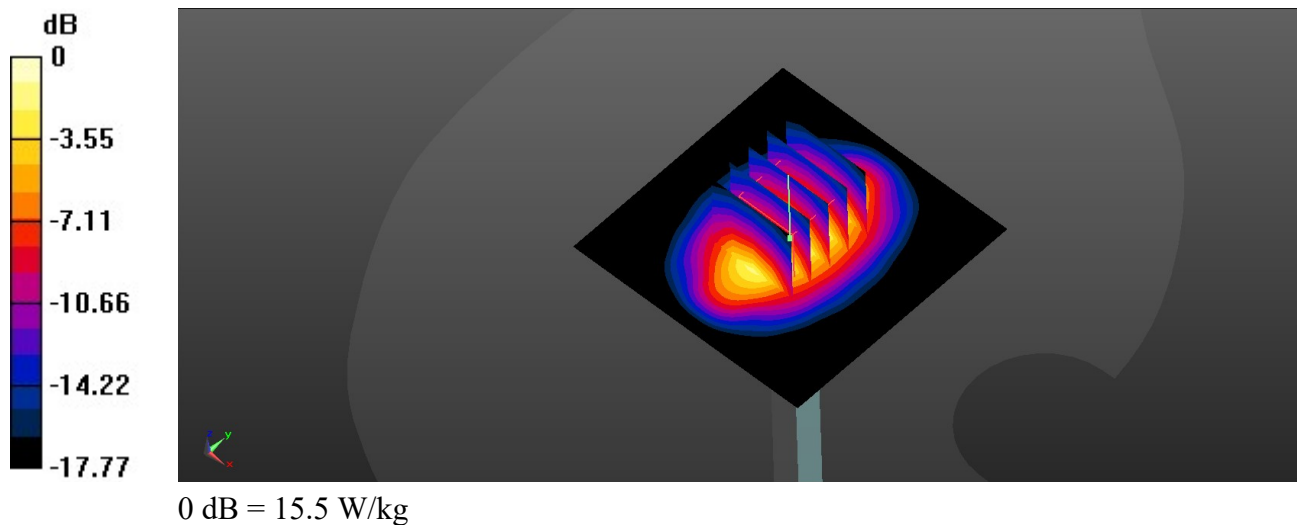
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 107.6 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 9.88 W/kg; SAR(10 g) = 5.11 W/kg

Maximum value of SAR (measured) = 15.5 W/kg



System Check_Head_1900MHz

DUT: D1900V2-SN:5d182

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

Medium: HSL_1900_210823 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.453$ S/m; $\epsilon_r = 39.136$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7576; ConvF(8.33, 8.33, 8.33); Calibrated: 2021/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

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

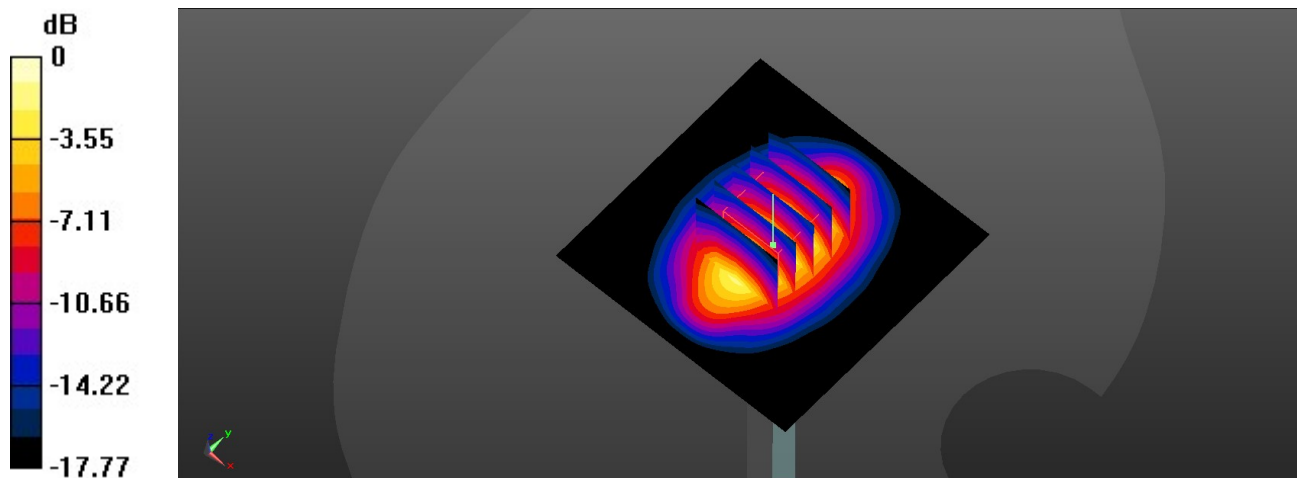
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 105.7 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 9.94 W/kg; SAR(10 g) = 5.15 W/kg

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



0 dB = 15.6 W/kg

System Check_Head_1900MHz

DUT: D1900V2-SN:5d182

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

Medium: HSL_1900_210824 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 40.038$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(9.05, 9.05, 9.05); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 15.5 W/kg

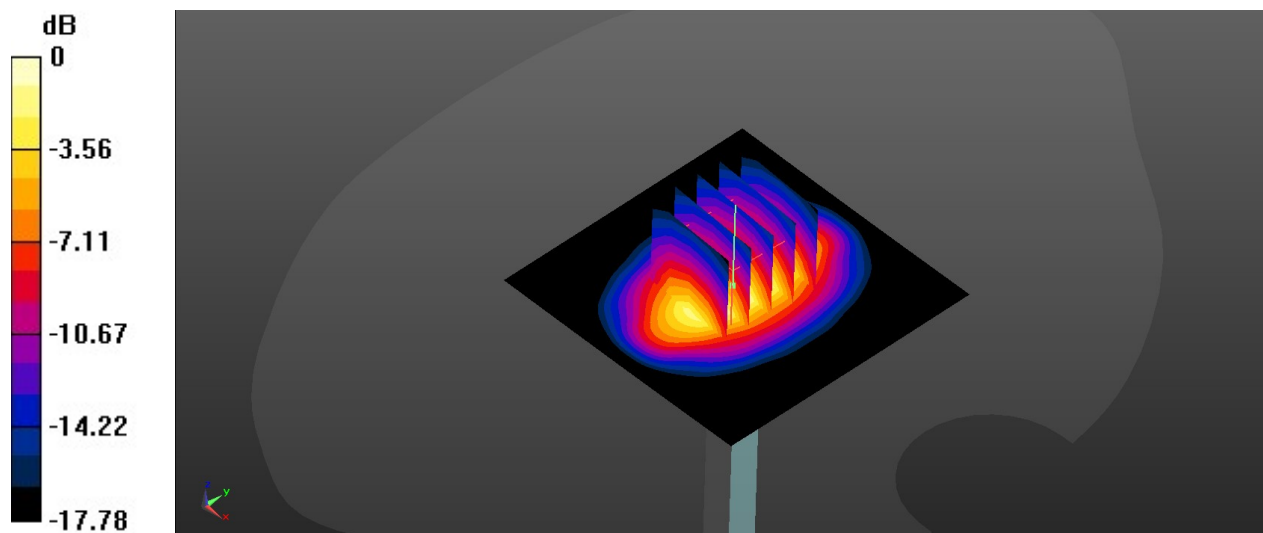
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 106.6 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.14 W/kg

Maximum value of SAR (measured) = 15.3 W/kg



0 dB = 15.3 W/kg

System Check_Head_2450MHz

DUT: D2450V2-SN:924

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

Medium: HSL_2450_210825 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.829$ S/m; $\epsilon_r = 40.081$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.57, 7.57, 7.57); Calibrated: 2021/4/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM (30deg probe tilt) with CRP v4.0; Type: QD000P40CC; Serial: TP: 1500
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 20.2 W/kg

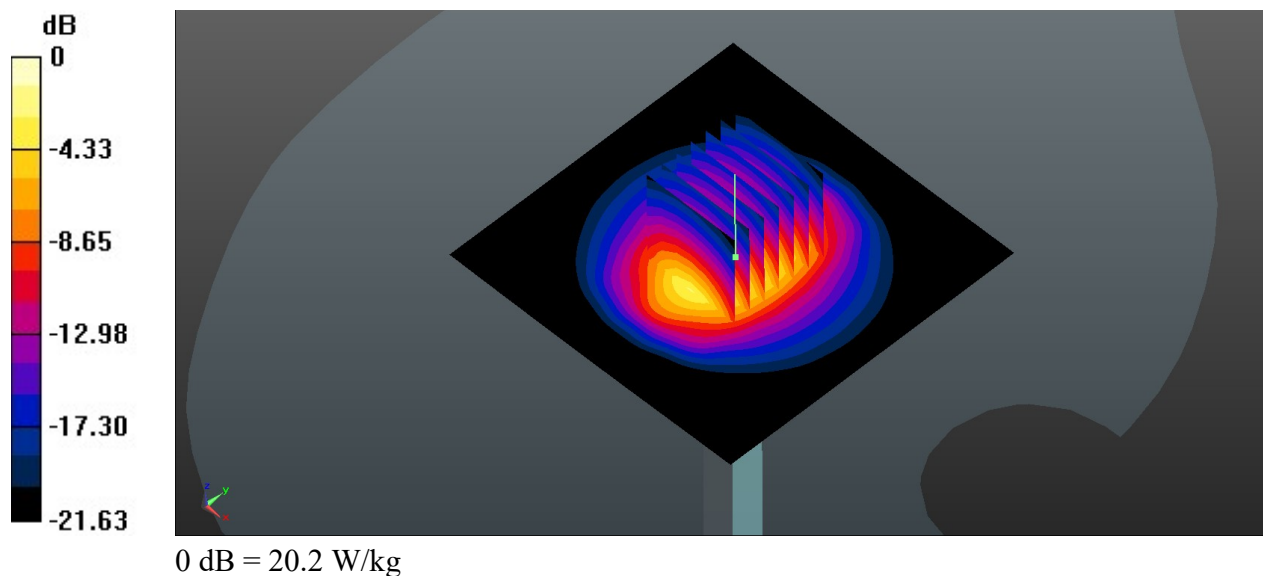
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.87 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.15 W/kg

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



System Check_Head_2450MHz

DUT: D2450V2-SN:924

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

Medium: HSL_2450_210826 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.746$ S/m; $\epsilon_r = 39.247$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(8.29, 8.29, 8.29); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

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

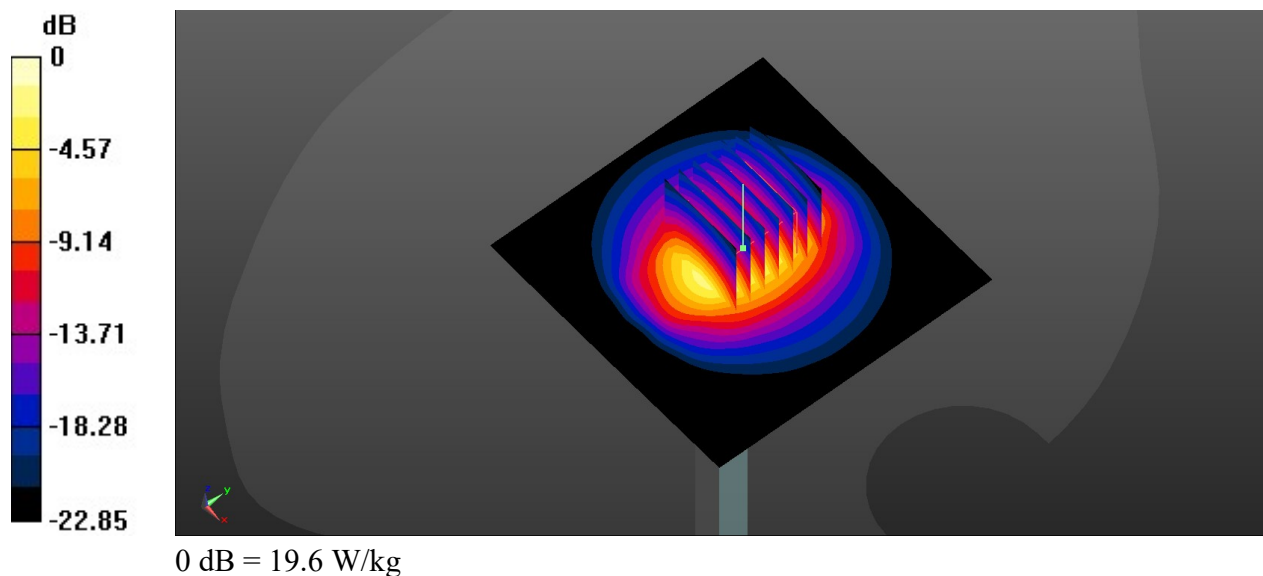
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.96 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 26.7 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.76 W/kg

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



System Check_Head_2600MHz

DUT: D2600V2-SN:1070

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

Medium: HSL_2600_210827 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 38.204$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); Calibrated: 2021/4/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM (30deg probe tilt) with CRP v4.0; Type: QD000P40CC; Serial: TP: 1500
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 22.9 W/kg

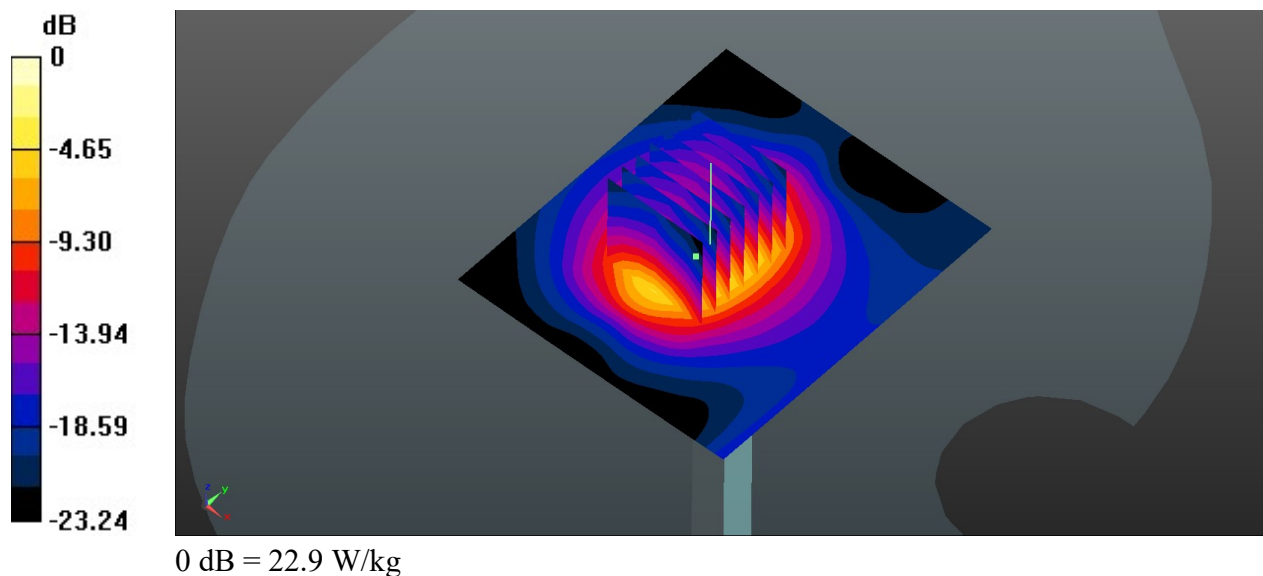
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.63 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 31.4 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.15 W/kg

Maximum value of SAR (measured) = 21.7 W/kg



System Check_Head_2600MHz

DUT: D2600V2-SN:1070

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

Medium: HSL_2600_210828 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.894$ S/m; $\epsilon_r = 40.24$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(7.94, 7.94, 7.94); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 22.3 W/kg

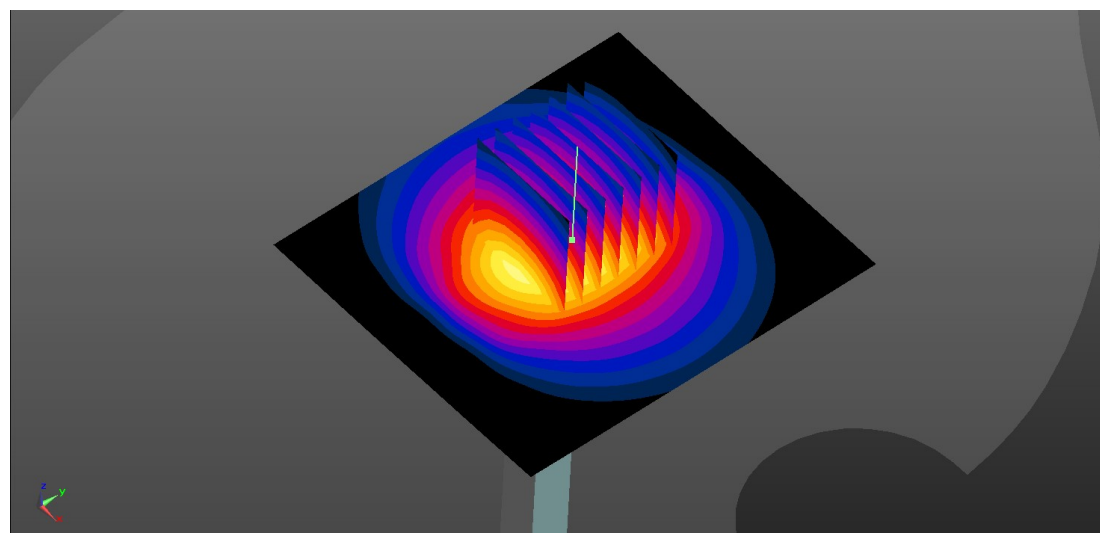
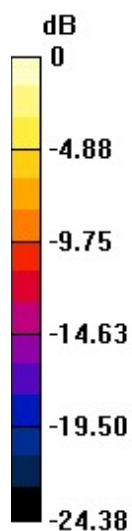
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 101.4 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 30.7 W/kg

SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.28 W/kg

Maximum value of SAR (measured) = 22.0 W/kg



0 dB = 22.3 W/kg