



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Duty Cycle %	Pmax	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>3500-3900MHz for SRS Ant</b>																		
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DSI 2	650000	3750	22.81	10	23.00	0.01	0.034	0.004
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DSI 2	650000	3750	22.62	10	23.00	0.02	0.031	0.003
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DSI 2	650000	3750	22.81	10	23.00	0.04	0.041	0.004
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DSI 2	650000	3750	22.62	10	23.00	0.04	0.040	0.004
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DSI 2	650000	3750	22.81	10	23.00	-0.15	0.044	0.005
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DSI 2	650000	3750	22.62	10	23.00	0.05	0.043	0.005
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DSI 2	650000	3750	22.81	10	23.00	0.03	0.034	0.004
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DSI 2	650000	3750	22.62	10	23.00	0.01	0.026	0.003
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DSI 2	633334	3500.01	22.68	10	23.00	0.03	0.019	0.002
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 3	DSI 2	633334	3500.01	22.44	10	23.00	0.01	0.023	0.003
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DSI 2	633334	3500.01	22.68	10	23.00	0.02	0.026	0.003
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 3	DSI 2	633334	3500.01	22.44	10	23.00	0.08	0.020	0.002
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DSI 2	633334	3500.01	22.68	10	23.00	-0.03	0.037	0.004
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DSI 2	633334	3500.01	22.44	10	23.00	0.08	0.035	0.004
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DSI 2	633334	3500.01	22.68	10	23.00	0.07	0.031	0.003
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 3	DSI 2	633334	3500.01	22.44	10	23.00	0.09	0.027	0.003
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	DSI 2	650000	3750	25.73	10	26.00	0.08	0.415	0.044
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	DSI 2	650000	3750	25.42	10	26.00	0.13	0.407	0.047
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	650000	3750	25.73	10	26.00	0.11	0.388	0.041
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	650000	3750	25.42	10	26.00	-0.08	0.460	0.053
	FR1 n78-PC2 Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	650000	3750	25.47	10	26.00	0.12	0.435	0.049
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	DSI 2	650000	3750	25.73	10	26.00	0.17	0.245	0.026
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	DSI 2	650000	3750	25.42	10	26.00	0.05	0.208	0.024
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	DSI 2	650000	3750	25.73	10	26.00	0.04	0.250	0.027
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	DSI 2	650000	3750	25.42	10	26.00	0.06	0.259	0.030
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	DSI 2	633334	3500.01	25.64	10	26.00	0.03	0.436	0.047
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	DSI 2	633334	3500.01	25.57	10	26.00	0.05	0.562	0.062
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	633334	3500.01	25.64	10	26.00	0.04	0.511	0.056
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	633334	3500.01	25.57	10	26.00	-0.04	0.576	0.064
	FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	633334	3500.01	25.54	10	26.00	0.01	0.489	0.054
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	DSI 2	633334	3500.01	25.64	10	26.00	0.08	0.350	0.038
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	DSI 2	633334	3500.01	25.57	10	26.00	0.04	0.433	0.048
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	DSI 2	633334	3500.01	25.64	10	26.00	0.01	0.377	0.041
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	DSI 2	633334	3500.01	25.57	10	26.00	0.08	0.479	0.053
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	DSI 2	650000	3750	22.00	10	21.90	0.03	0.015	0.001
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	DSI 2	650000	3750	21.81	10	21.90	0.01	0.002	0.000
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	DSI 2	650000	3750	22.00	10	21.90	0.01	0.031	0.003
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	DSI 2	650000	3750	21.81	10	21.90	0.02	0.016	0.002
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	DSI 2	650000	3750	22.00	10	21.90	0.05	0.009	0.001
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	DSI 2	650000	3750	21.81	10	21.90	0.04	0.001	0.000
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	DSI 2	650000	3750	22.00	10	21.90	0.06	0.019	0.002
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	DSI 2	650000	3750	21.81	10	21.90	0.04	0.007	0.001
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	DSI 2	633334	3500.01	22.19	10	21.90	0.03	0.013	0.001
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	DSI 2	633334	3500.01	21.98	10	21.90	0.05	0.002	0.000
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	DSI 2	633334	3500.01	22.19	10	21.90	0.01	0.031	0.003
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	DSI 2	633334	3500.01	21.98	10	21.90	0.06	0.019	0.002
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	DSI 2	633334	3500.01	22.19	10	21.90	0.04	0.015	0.001
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	DSI 2	633334	3500.01	21.98	10	21.90	0.06	0.005	0.000
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	DSI 2	633334	3500.01	22.19	10	21.90	0.13	0.021	0.002
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	DSI 2	633334	3500.01	21.98	10	21.90	0.11	0.007	0.001
<b>Smart Folio and stylus mode</b>																		
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 3	DSI 2	650000	3750	22.81	10	23.00	-0.15	0.041	0.004



**FCC SAR Test Report**

**Report No. : FA192317**

FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	633334	3500.01	25.57	10	26.00	0.14	0.472	0.052
FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	DSI 2	650000	3750	22.00	10	21.90	-0.06	0.025	0.002

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>WLAN/Bluetooth</b>																
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	Standalone	1	2412	18.69	20.00	1.352	97.87	1.022	0.01	0.617	0.853
22	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	Standalone	11	2462	18.60	20.00	1.380	97.87	1.022	0.07	0.812	<b>1.146</b>
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4+6	Standalone	1	2412	18.69	20.00	1.352	97.87	1.022	0.06	0.582	0.804
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4+6	Standalone	11	2462	18.60	20.00	1.380	97.87	1.022	0.05	0.742	1.047
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4+6	Standalone	1	2412	18.69	20.00	1.352	97.87	1.022	0.04	0.255	0.352
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4+6	Standalone	1	2412	18.69	20.00	1.352	97.87	1.022	0.01	0.311	0.430
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	DBS only	11	2462	16.40	17.50	1.288	97.87	1.022	0.05	0.541	0.712
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	WWAN+WLAN	11	2462	14.58	16.00	1.386	97.87	1.022	0.1	0.371	0.525
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	WWAN+DBS	11	2462	11.93	13.50	1.436	97.87	1.022	0.04	0.203	0.298
<b>Smart Folio and stylus mode</b>																
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	Standalone	11	2462	18.60	20.00	1.380	97.87	1.022	0.05	0.737	1.040
23	Bluetooth	1Mbps	Right Cheek	0mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	-0.16	0.187	<b>0.272</b>
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	0.03	0.170	0.247
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	0.09	0.108	0.157
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	0.11	0.119	0.173
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.01	0.001	0.002
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.03	0.000	0.000
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.02	0.000	0.000
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.05	0.000	0.000
<b>Smart Folio and stylus mode</b>																
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	-0.03	0.175	0.254
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.07	0.001	0.002
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+6	Standalone	58	5290	18.85	20.50	1.463	100	1.000	0.05	0.730	1.068
24	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+6	Standalone	58	5290	18.85	20.50	1.463	100	1.000	0.04	0.810	<b>1.185</b>
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+6	Standalone	58	5290	18.85	20.50	1.463	100	1.000	0.05	0.507	0.741
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+6	Standalone	58	5290	18.85	20.50	1.463	100	1.000	0.04	0.622	0.910
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+6	DBS only	58	5290	17.03	18.50	1.403	100	1.000	-0.12	0.505	0.709
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	58	5290	13.02	14.50	1.407	100	1.000	-0.08	0.208	0.293
<b>Smart Folio and stylus mode</b>																
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+6	Standalone	58	5290	18.85	20.50	1.463	100	1.000	0.08	0.767	1.122
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 5+6	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.06	0.664	0.909
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 5+6	Standalone	102	5510	19.50	21.00	1.412	100	1.000	0.01	0.627	0.885
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 5+6	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.1	0.728	0.996
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 5+6	Standalone	102	5510	19.50	21.00	1.412	100	1.000	0.06	0.696	0.983
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 5+6	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.04	0.633	0.866
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 5+6	Standalone	102	5510	19.50	21.00	1.412	100	1.000	0.12	0.579	0.817
25	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 5+6	Standalone	110	5550	19.64	21.00	1.368	100	1.000	-0.19	0.808	<b>1.106</b>
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 5+6	Standalone	102	5510	19.50	21.00	1.412	100	1.000	0.13	0.750	1.059
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+6	DBS only	106	5530	17.23	19.00	1.503	100	1.000	0.18	0.488	0.734
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	106	5530	13.10	14.50	1.381	100	1.000	0.13	0.196	0.271
26	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+6	Standalone	155	5775	18.60	20.00	1.382	100	1.000	0.02	0.801	<b>1.107</b>
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+6	Standalone	155	5775	18.60	20.00	1.382	100	1.000	0.01	0.784	1.083
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+6	Standalone	155	5775	18.60	20.00	1.382	100	1.000	0.07	0.594	0.821
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+6	Standalone	155	5775	18.60	20.00	1.382	100	1.000	0.07	0.765	1.057
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+6	DBS only	155	5775	15.95	17.50	1.429	100	1.000	-0.04	0.517	0.739
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	155	5775	12.30	14.00	1.480	100	1.000	0.08	0.174	0.258



16.2 Hotspot SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>750MHz</b>																	
	LTE Band 12(17)	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.93	23.50	1.140	-0.07	0.390	0.445
	LTE Band 12(17)	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.86	23.50	1.159	-0.1	0.302	0.350
27	LTE Band 12(17)	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.93	23.50	1.140	0.01	0.739	<b>0.843</b>
	LTE Band 12(17)	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.86	23.50	1.159	0.1	0.602	0.698
	LTE Band 12(17)	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.83	23.50	1.167	-0.19	0.585	0.683
	LTE Band 12(17)	10M	QPSK	1	0	Left Side	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.93	23.50	1.140	0.04	0.129	0.147
	LTE Band 12(17)	10M	QPSK	25	0	Left Side	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.86	23.50	1.159	0.08	0.102	0.118
	LTE Band 12(17)	10M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.93	23.50	1.140	-0.15	0.022	0.025
	LTE Band 12(17)	10M	QPSK	25	0	Right Side	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.86	23.50	1.159	0.04	0.068	0.079
	LTE Band 12(17)	10M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.93	23.50	1.140	0.06	0.326	0.372
	LTE Band 12(17)	10M	QPSK	25	0	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	23095	707.5	22.86	23.50	1.159	0.04	0.254	0.294
	LTE Band 12(17)	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 4	23095	707.5	22.67	24.00	1.358	-0.15	0.356	0.484
	LTE Band 12(17)	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 4	23095	707.5	22.65	24.00	1.365	-0.11	0.259	0.353
	LTE Band 12(17)	10M	QPSK	1	0	Back	5mm	Ant 1	DSI 4	23095	707.5	22.67	24.00	1.358	-0.11	0.394	0.535
	LTE Band 12(17)	10M	QPSK	25	0	Back	5mm	Ant 1	DSI 4	23095	707.5	22.65	24.00	1.365	0.13	0.320	0.437
	LTE Band 12(17)	10M	QPSK	1	0	Left Side	5mm	Ant 1	DSI 4	23095	707.5	22.67	24.00	1.358	0.03	0.134	0.182
	LTE Band 12(17)	10M	QPSK	25	0	Left Side	5mm	Ant 1	DSI 4	23095	707.5	22.65	24.00	1.365	-0.02	0.105	0.143
	LTE Band 12(17)	10M	QPSK	1	0	Right Side	5mm	Ant 1	DSI 4	23095	707.5	22.67	24.00	1.358	0.16	0.164	0.223
	LTE Band 12(17)	10M	QPSK	25	0	Right Side	5mm	Ant 1	DSI 4	23095	707.5	22.65	24.00	1.365	-0.14	0.216	0.295
	LTE Band 12(17)	10M	QPSK	1	0	Top Side	5mm	Ant 1	DSI 4	23095	707.5	22.67	24.00	1.358	-0.08	0.531	0.721
	LTE Band 12(17)	10M	QPSK	25	0	Top Side	5mm	Ant 1	DSI 4	23095	707.5	22.65	24.00	1.365	-0.02	0.425	0.580
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 0	DSI 4	23230	782	23.22	24.00	1.197	0.06	0.442	0.529
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 0	DSI 4	23230	782	22.93	24.00	1.279	-0.01	0.359	0.459
28	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 0	DSI 4	23230	782	23.22	24.00	1.197	-0.06	0.741	<b>0.887</b>
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 0	DSI 4	23230	782	22.93	24.00	1.279	-0.14	0.657	0.841
	LTE Band 13	10M	QPSK	50	0	Back	5mm	Ant 0	DSI 4	23230	782	22.88	24.00	1.294	0.16	0.630	0.815
	LTE Band 13	10M	QPSK	1	0	Left Side	5mm	Ant 0	DSI 4	23230	782	23.22	24.00	1.197	0.11	0.163	0.195
	LTE Band 13	10M	QPSK	25	0	Left Side	5mm	Ant 0	DSI 4	23230	782	22.93	24.00	1.279	-0.15	0.134	0.171
	LTE Band 13	10M	QPSK	1	0	Right Side	5mm	Ant 0	DSI 4	23230	782	23.22	24.00	1.197	-0.11	0.290	0.347
	LTE Band 13	10M	QPSK	25	0	Right Side	5mm	Ant 0	DSI 4	23230	782	22.93	24.00	1.279	0.08	0.238	0.304
	LTE Band 13	10M	QPSK	1	0	Bottom Side	5mm	Ant 0	DSI 4	23230	782	23.22	24.00	1.197	0.07	0.476	0.570
	LTE Band 13	10M	QPSK	25	0	Bottom Side	5mm	Ant 0	DSI 4	23230	782	22.93	24.00	1.279	0.08	0.359	0.459
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 1	DSI 4	23230	782	22.48	23.00	1.127	0.02	0.427	0.481
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 1	DSI 4	23230	782	22.19	23.00	1.205	0.18	0.366	0.441
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 1	DSI 4	23230	782	22.48	23.00	1.127	-0.09	0.500	0.564
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 1	DSI 4	23230	782	22.19	23.00	1.205	0.04	0.432	0.521
	LTE Band 13	10M	QPSK	1	0	Left Side	5mm	Ant 1	DSI 4	23230	782	22.48	23.00	1.127	-0.13	0.144	0.162
	LTE Band 13	10M	QPSK	25	0	Left Side	5mm	Ant 1	DSI 4	23230	782	22.19	23.00	1.205	0.12	0.128	0.154
	LTE Band 13	10M	QPSK	1	0	Right Side	5mm	Ant 1	DSI 4	23230	782	22.48	23.00	1.127	0.06	0.266	0.300
	LTE Band 13	10M	QPSK	25	0	Right Side	5mm	Ant 1	DSI 4	23230	782	22.19	23.00	1.205	-0.17	0.246	0.296
	LTE Band 13	10M	QPSK	1	0	Top Side	5mm	Ant 1	DSI 4	23230	782	22.48	23.00	1.127	-0.01	0.634	0.715
	LTE Band 13	10M	QPSK	25	0	Top Side	5mm	Ant 1	DSI 4	23230	782	22.19	23.00	1.205	-0.16	0.560	0.675



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>835MHz</b>																		
29	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	DSI 3 Simultaneous	189	836.4	25.37	26.50	1.297	0.03	0.430	0.558
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	DSI 3 Simultaneous	189	836.4	25.37	26.50	1.297	0.06	0.718	<b>0.931</b>
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	DSI 3 Simultaneous	128	824.2	25.21	26.50	1.346	0.11	0.493	0.664
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	DSI 3 Simultaneous	251	848.8	25.18	26.50	1.355	0.18	0.641	0.869
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 0	DSI 3 Simultaneous	189	836.4	25.37	26.50	1.297	0.18	0.082	0.106
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Side	5mm	Ant 0	DSI 3 Simultaneous	189	836.4	25.37	26.50	1.297	0.13	0.153	0.198
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	189	836.4	25.37	26.50	1.297	0.12	0.408	0.529
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 1	DSI 3 Simultaneous	189	836.4	25.68	26.60	1.236	0.15	0.464	0.573
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	DSI 3 Simultaneous	189	836.4	25.68	26.60	1.236	0.06	0.522	0.645
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 1	DSI 3 Simultaneous	189	836.4	25.68	26.60	1.236	0.08	0.141	0.174
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Side	5mm	Ant 1	DSI 3 Simultaneous	189	836.4	25.68	26.60	1.236	-0.06	0.246	0.304
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	5mm	Ant 1	DSI 3 Simultaneous	189	836.4	25.68	26.60	1.236	0.08	0.748	0.924
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	5mm	Ant 1	DSI 3 Simultaneous	128	824.2	25.45	26.60	1.303	-0.09	0.536	0.698
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	5mm	Ant 1	DSI 3 Simultaneous	251	848.8	25.55	26.60	1.274	-0.02	0.707	0.900
30	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3 Simultaneous	4182	836.4	22.35	23.50	1.303	-0.04	0.426	0.555
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3 Simultaneous	4182	836.4	22.35	23.50	1.303	-0.17	0.684	0.891
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3 Simultaneous	4132	826.4	22.25	23.50	1.334	0.01	0.637	0.849
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3 Simultaneous	4233	846.6	22.30	23.50	1.318	-0.03	0.701	0.924
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 3 Simultaneous	4182	836.4	22.35	23.50	1.303	0.09	0.072	0.094
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 3 Simultaneous	4182	836.4	22.35	23.50	1.303	-0.11	0.141	0.184
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	4182	836.4	22.35	23.50	1.303	-0.12	0.581	0.757
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 3 Simultaneous	4182	836.4	22.20	23.30	1.288	0.03	0.362	0.466
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 3 Simultaneous	4182	836.4	22.20	23.30	1.288	-0.15	0.507	0.653
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 3 Simultaneous	4182	836.4	22.20	23.30	1.288	-0.14	0.138	0.178
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 1	DSI 3 Simultaneous	4182	836.4	22.20	23.30	1.288	0.01	0.216	0.278
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3 Simultaneous	4182	836.4	22.20	23.30	1.288	0.05	0.675	0.870
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3 Simultaneous	4132	826.4	22.06	23.30	1.330	0.02	0.705	<b>0.938</b>
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 3 Simultaneous	4233	846.6	22.17	23.30	1.297	0.03	0.655	0.850
31	LTE Band 26(5)	15M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.64	23.00	1.368	-0.12	0.318	0.435
	LTE Band 26(5)	15M	QPSK	36	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.57	23.00	1.390	0.06	0.266	0.370
	LTE Band 26(5)	15M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.64	23.00	1.368	0.01	0.687	<b>0.940</b>
	LTE Band 26(5)	15M	QPSK	36	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.57	23.00	1.390	0.03	0.536	0.745
	LTE Band 26(5)	15M	QPSK	75	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.59	23.00	1.384	0.05	0.495	0.685
	LTE Band 26(5)	15M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.64	23.00	1.368	0.12	0.093	0.127
	LTE Band 26(5)	15M	QPSK	36	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.57	23.00	1.390	0.06	0.060	0.083
	LTE Band 26(5)	15M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.64	23.00	1.368	0.05	0.054	0.074
	LTE Band 26(5)	15M	QPSK	36	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.57	23.00	1.390	-0.16	0.051	0.071
	LTE Band 26(5)	15M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.64	23.00	1.368	-0.01	0.673	0.920
	LTE Band 26(5)	15M	QPSK	36	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.57	23.00	1.390	0.18	0.571	0.794
	LTE Band 26(5)	15M	QPSK	75	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26865	831.5	21.59	23.00	1.384	-0.05	0.499	0.690
	LTE Band 26(5)	15M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.40	23.50	1.288	-0.16	0.343	0.442
	LTE Band 26(5)	15M	QPSK	36	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.38	23.50	1.294	0.14	0.334	0.432
	LTE Band 26(5)	15M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.40	23.50	1.288	0.17	0.477	0.614
	LTE Band 26(5)	15M	QPSK	36	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.38	23.50	1.294	0.08	0.422	0.546
	LTE Band 26(5)	15M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.40	23.50	1.288	-0.11	0.116	0.149
	LTE Band 26(5)	15M	QPSK	36	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.38	23.50	1.294	0.06	0.093	0.120
	LTE Band 26(5)	15M	QPSK	1	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.40	23.50	1.288	-0.1	0.106	0.137
	LTE Band 26(5)	15M	QPSK	36	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.38	23.50	1.294	0.04	0.182	0.236
LTE Band 26(5)	15M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.40	23.50	1.288	-0.08	0.679	0.875	
LTE Band 26(5)	15M	QPSK	36	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.38	23.50	1.294	0.06	0.503	0.651	
LTE Band 26(5)	15M	QPSK	75	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26865	831.5	22.33	23.50	1.309	0.18	0.490	0.641	
FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	22.14	23.30	1.306	0.19	0.441	0.576	



**FCC SAR Test Report**

**Report No. : FA192317**

	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	21.99	23.30	1.352	-0.02	0.446	0.603
32	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	22.14	23.30	1.306	-0.12	0.719	<b>0.939</b>
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	21.99	23.30	1.352	-0.16	0.668	0.903
	FR1 n5	20M	QPSK	100	0	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	21.94	23.30	1.368	-0.17	0.649	0.888
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	22.14	23.30	1.306	0.09	0.072	0.094
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	21.99	23.30	1.352	-0.02	0.072	0.097
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	22.14	23.30	1.306	0.03	0.141	0.184
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	21.99	23.30	1.352	-0.17	0.135	0.183
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	22.14	23.30	1.306	0.05	0.426	0.556
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	167300	836.5	21.99	23.30	1.352	0.09	0.408	0.552



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>1750MHz</b>																		
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3 Simultaneous	1413	1732.6	15.27	16.10	1.211	0.05	0.348	0.421
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3 Simultaneous	1413	1732.6	15.27	16.10	1.211	0.16	0.425	0.515
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 3 Simultaneous	1413	1732.6	15.27	16.10	1.211	-0.13	0.019	0.023
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 3 Simultaneous	1413	1732.6	15.27	16.10	1.211	0.08	0.031	0.038
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	1413	1732.6	15.27	16.10	1.211	0.07	0.662	0.801
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	1312	1712.4	15.15	16.10	1.245	-0.1	0.593	0.738
33	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	1513	1752.6	15.09	16.10	1.262	0.08	0.741	<b>0.935</b>
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	15.01	16.30	1.346	-0.12	0.301	0.405
	LTE Band 66(4)	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	14.98	16.30	1.355	0.04	0.227	0.308
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	15.01	16.30	1.346	0.18	0.375	0.505
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	14.98	16.30	1.355	0.08	0.334	0.453
	LTE Band 66(4)	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	15.01	16.30	1.346	0.07	0.018	0.024
	LTE Band 66(4)	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	14.98	16.30	1.355	0.08	0.012	0.016
	LTE Band 66(4)	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	15.01	16.30	1.346	-0.09	0.029	0.039
	LTE Band 66(4)	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	14.98	16.30	1.355	0.07	0.022	0.030
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	15.01	16.30	1.346	-0.04	0.691	0.930
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	132072	1720	14.99	16.30	1.352	0.11	0.552	0.746
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	132572	1770	14.97	16.30	1.358	-0.14	0.664	0.902
	LTE Band 66(4)	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	14.98	16.30	1.355	-0.07	0.528	0.716
	LTE Band 66(4)	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	132322	1745	14.93	16.30	1.371	0.06	0.536	0.735
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.51	15.80	1.346	-0.09	0.368	0.495
	LTE Band 66(4)	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.41	15.80	1.377	0.11	0.284	0.391
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.51	15.80	1.346	0.05	0.456	0.614
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.41	15.80	1.377	0.02	0.389	0.536
	LTE Band 66(4)	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.51	15.80	1.346	0.01	0.011	0.015
	LTE Band 66(4)	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.41	15.80	1.377	0.02	0.008	0.011
	LTE Band 66(4)	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.51	15.80	1.346	0.02	0.065	0.087
	LTE Band 66(4)	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.41	15.80	1.377	0.03	0.052	0.072
	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.51	15.80	1.346	0.07	0.620	0.834
	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	132072	1720	14.39	15.80	1.384	-0.17	0.555	0.768
34	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	132572	1770	14.42	15.80	1.374	-0.03	0.684	<b>0.940</b>
	LTE Band 66(4)	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.41	15.80	1.377	0.08	0.491	0.676
	LTE Band 66(4)	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	132322	1745	14.19	15.80	1.449	-0.14	0.490	0.710
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.38	15.50	1.294	0.02	0.379	0.491
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.25	15.50	1.334	0.04	0.430	0.573
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.38	15.50	1.294	0.06	0.505	0.654
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.25	15.50	1.334	-0.06	0.582	0.776
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.38	15.50	1.294	0.08	0.009	0.012
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.25	15.50	1.334	-0.11	0.011	0.015
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.38	15.50	1.294	0.06	0.066	0.085
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.25	15.50	1.334	0.07	0.074	0.099
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.38	15.50	1.294	-0.18	0.614	0.795
35	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.25	15.50	1.334	-0.06	0.703	<b>0.937</b>
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	349000	1745	14.19	15.50	1.352	0.1	0.674	0.911
<b>1900MHz</b>																		
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	DSI 3 Simultaneous	661	1880	16.69	17.50	1.205	0.01	0.363	0.437
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	DSI 3 Simultaneous	661	1880	16.69	17.50	1.205	0.05	0.441	0.531
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 0	DSI 3 Simultaneous	661	1880	16.69	17.50	1.205	0.08	0.018	0.022
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Side	5mm	Ant 0	DSI 3 Simultaneous	661	1880	16.69	17.50	1.205	0.03	0.018	0.022
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	661	1880	16.69	17.50	1.205	0.01	0.689	0.830
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	512	1850.2	16.48	17.50	1.265	0.05	0.704	0.890
36	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	810	1909.8	16.51	17.50	1.256	-0.06	0.734	<b>0.922</b>



	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3 Simultaneous	9400	1880	14.63	16.00	1.371	-0.03	0.316	0.433	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3 Simultaneous	9400	1880	14.63	16.00	1.371	0.08	0.403	0.552	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 3 Simultaneous	9400	1880	14.63	16.00	1.371	0.02	0.017	0.023	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 3 Simultaneous	9400	1880	14.63	16.00	1.371	0.18	0.016	0.022	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	9400	1880	14.63	16.00	1.371	-0.11	0.642	0.880	
37	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	9262	1852.4	14.59	16.00	1.384	-0.09	0.667	0.923	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	9538	1907.6	14.42	16.00	1.439	0.06	0.601	0.865	
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.79	15.80	1.262	0.06	0.293	0.370	
	LTE Band 25(2)	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.65	15.80	1.303	0.03	0.231	0.301	
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.79	15.80	1.262	-0.03	0.431	0.544	
	LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.65	15.80	1.303	0.04	0.311	0.405	
	LTE Band 25(2)	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.79	15.80	1.262	0.02	0.018	0.023	
	LTE Band 25(2)	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.65	15.80	1.303	0.03	0.014	0.018	
	LTE Band 25(2)	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.79	15.80	1.262	0.02	0.022	0.028	
	LTE Band 25(2)	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.65	15.80	1.303	0.05	0.017	0.022	
	LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.79	15.80	1.262	-0.09	0.716	0.903	
	LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26140	1860	14.68	15.80	1.294	0.05	0.641	0.830	
	LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26590	1905	14.71	15.80	1.285	-0.09	0.734	0.943	
	LTE Band 25(2)	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.65	15.80	1.303	0.13	0.568	0.740	
	LTE Band 25(2)	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	26340	1880	14.57	15.80	1.327	0.08	0.584	0.775	
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	0.03	0.356	0.451	
	LTE Band 25(2)	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.62	17.70	1.282	0.04	0.283	0.363	
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	0.07	0.489	0.620	
	LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.62	17.70	1.282	0.09	0.379	0.486	
	LTE Band 25(2)	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	-0.07	0.017	0.022	
	LTE Band 25(2)	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.62	17.70	1.282	0.16	0.015	0.019	
	LTE Band 25(2)	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	-0.14	0.111	0.141	
	LTE Band 25(2)	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.62	17.70	1.282	0.05	0.105	0.135	
38	LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	-0.04	0.744	0.943	
	LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26140	1860	16.48	17.70	1.324	-0.04	0.658	0.871	
	LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26590	1905	16.45	17.70	1.334	-0.07	0.648	0.864	
	LTE Band 25(2)	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.62	17.70	1.282	0.08	0.579	0.742	
	LTE Band 25(2)	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.65	17.70	1.274	-0.11	0.575	0.732	
Smart Folio mode																			
	LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	-0.03	0.681	0.863	



Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB Offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Includes rows for 2600MHz and various LTE bands (7, 7C, 38, 38-PC2).





FCC SAR Test Report

Report No. : FA192317

Table with columns for Band, Power, Modulation, etc. Includes rows for LTE Bands 38, 41, and FR1 n7, with SAR values and a highlighted maximum of 0.942.



**FCC SAR Test Report**

**Report No. : FA192317**

	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.48	15.50	1.265	-	-	0.03	0.721	0.912
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.45	15.50	1.274	-	-	0.07	0.711	0.905
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.30	16.30	1.259	-	-	-0.08	0.352	0.443
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.25	16.30	1.274	-	-	0.07	0.390	0.497
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.30	16.30	1.259	-	-	0.09	0.537	0.676
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.25	16.30	1.274	-	-	-0.02	0.539	0.686
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.30	16.30	1.259	-	-	-0.03	0.026	0.033
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.25	16.30	1.274	-	-	0.07	0.023	0.029
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.30	16.30	1.259	-	-	0.07	0.071	0.089
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.25	16.30	1.274	-	-	-0.11	0.066	0.084
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.30	16.30	1.259	-	-	-0.01	0.735	0.925
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.25	16.30	1.274	-	-	-0.09	0.717	0.913
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	507000	2535	15.20	16.30	1.288	-	-	-0.14	0.709	0.913
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.71	15.60	1.227	-	-	0.05	0.216	0.265
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.61	15.60	1.256	-	-	0.07	0.227	0.285
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.71	15.60	1.227	-	-	-0.02	0.340	0.417
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.61	15.60	1.256	-	-	0.01	0.354	0.445
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.71	15.60	1.227	-	-	0.02	0.013	0.016
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.61	15.60	1.256	-	-	0.06	0.010	0.013
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.71	15.60	1.227	-	-	0.17	0.054	0.066
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.61	15.60	1.256	-	-	0.07	0.053	0.067
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.71	15.60	1.227	-	-	0.09	0.590	0.724
43	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.61	15.60	1.256	-	-	0.04	0.742	0.932
	FR1 n38	40M	QPSK	100	0	DFT-SCS-30KHz	Top Side	5mm	Ant 1	DSI 3 Simultaneous	519000	2595	14.60	15.60	1.259	-	-	-0.13	0.520	0.655



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>3500-3900MHz</b>																				
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.71	14.90	1.315	62.9	1.006	0.06	0.050	0.066
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.69	14.90	1.321	62.9	1.006	0.07	0.044	0.058
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.71	14.90	1.315	62.9	1.006	0.01	0.678	0.897
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	42190	3460	13.56	14.90	1.361	62.9	1.006	0.03	0.670	0.918
44	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	42990	3540	13.58	14.90	1.355	62.9	1.006	-0.09	0.716	0.976
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.69	14.90	1.321	62.9	1.006	0.01	0.707	0.940
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	42190	3460	13.65	14.90	1.334	62.9	1.006	0.03	0.682	0.915
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	42990	3540	13.61	14.90	1.346	62.9	1.006	-0.16	0.705	0.955
	LTE Band 42 Part27Q	20M	QPSK	100	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.56	14.90	1.361	62.9	1.006	0.02	0.574	0.786
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Left Side	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.71	14.90	1.315	62.9	1.006	0.08	0.187	0.247
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Left Side	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.69	14.90	1.321	62.9	1.006	0.03	0.177	0.235
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Top Side	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.71	14.90	1.315	62.9	1.006	0.07	0.040	0.053
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Top Side	5mm	Ant 2	DSI 3 Simultaneous	42590	3500	13.69	14.90	1.321	62.9	1.006	-0.17	0.031	0.041
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.79	16.30	1.416	62.9	1.006	0.17	0.053	0.075
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.71	16.30	1.442	62.9	1.006	0.18	0.053	0.077
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.79	16.30	1.416	62.9	1.006	0.02	0.614	0.875
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	55340	3560	14.71	16.30	1.442	62.9	1.006	0.07	0.592	0.859
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	55830	3609	14.73	16.30	1.435	62.9	1.006	0.19	0.609	0.879
45	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	56640	3690	14.77	16.30	1.422	62.9	1.006	-0.17	0.631	0.903
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.71	16.30	1.442	62.9	1.006	0.13	0.614	0.891
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	55340	3560	14.65	16.30	1.462	62.9	1.006	0.04	0.607	0.893
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	55830	3609	14.66	16.30	1.459	62.9	1.006	-0.04	0.613	0.900
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.61	16.30	1.476	62.9	1.006	-0.01	0.601	0.892
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.52	16.30	1.507	62.9	1.006	-0.01	0.591	0.896
	LTE Band 48	20M	QPSK	1	0	-	Left Side	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.79	16.30	1.416	62.9	1.006	0.04	0.169	0.241
	LTE Band 48	20M	QPSK	50	0	-	Left Side	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.71	16.30	1.442	62.9	1.006	0.06	0.171	0.248
	LTE Band 48	20M	QPSK	1	0	-	Top Side	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.79	16.30	1.416	62.9	1.006	-0.06	0.031	0.044
	LTE Band 48	20M	QPSK	50	0	-	Top Side	5mm	Ant 2	DSI 3 Simultaneous	56150	3641	14.71	16.30	1.442	62.9	1.006	0.14	0.040	0.058
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.59	12.90	1.352	-	-	0.01	0.063	0.085
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.49	12.90	1.384	-	-	0.01	0.063	0.087
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.59	12.90	1.352	-	-	-0.07	0.505	0.683
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.49	12.90	1.384	-	-	-0.02	0.593	0.820
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.35	12.90	1.429	-	-	-0.04	0.505	0.722
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.59	12.90	1.352	-	-	-0.18	0.164	0.222
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.49	12.90	1.384	-	-	0.12	0.177	0.245
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.59	12.90	1.352	-	-	-0.09	0.025	0.034
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	656000	3840	11.49	12.90	1.384	-	-	0.14	0.025	0.035
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.98	12.90	1.236	-	-	-0.02	0.057	0.070
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.90	12.90	1.259	-	-	-0.04	0.058	0.073
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.98	12.90	1.236	-	-	-0.18	0.674	0.833
46	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.90	12.90	1.259	-	-	-0.05	0.745	0.938
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.70	12.90	1.318	-	-	-0.09	0.574	0.757
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.98	12.90	1.236	-	-	0.14	0.183	0.226
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.90	12.90	1.259	-	-	0.18	0.193	0.243
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.98	12.90	1.236	-	-	-0.16	0.074	0.091
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.90	12.90	1.259	-	-	-0.14	0.067	0.084
<b>Smart Folio mode</b>																				
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	11.90	12.90	1.259	-	-	-0.05	0.705	0.888
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.55	13.20	1.462	-	-	0.17	0.049	0.072
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.43	13.20	1.503	-	-	0.05	0.062	0.093
	FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.32	13.20	1.542	-	-	-0.03	0.037	0.057



### FCC SAR Test Report

Report No. : FA192317

	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.55	13.20	1.462	-	-	0.07	0.455	0.665
47	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.43	13.20	1.503	-	-	0.05	0.615	0.924
	FR1 n78-PC2 Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.32	13.20	1.542	-	-	0.03	0.443	0.683
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.55	13.20	1.462	-	-	0.03	0.234	0.342
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.43	13.20	1.503	-	-	-0.07	0.258	0.388
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.55	13.20	1.462	-	-	0.16	0.037	0.054
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	650000	3750	11.43	13.20	1.503	-	-	-0.18	0.037	0.056
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.33	13.20	1.222	-	-	0.03	0.064	0.078
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.24	13.20	1.247	-	-	0.03	0.064	0.080
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.33	13.20	1.222	-	-	-0.07	0.595	0.727
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.24	13.20	1.247	-	-	0.16	0.724	0.903
	FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.17	13.20	1.268	-	-	-0.18	0.660	0.837
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.33	13.20	1.222	-	-	0.09	0.225	0.275
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.24	13.20	1.247	-	-	0.17	0.257	0.321
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.33	13.20	1.222	-	-	0.04	0.080	0.098
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 2	DSI 3 Simultaneous	633334	3500.01	12.24	13.20	1.247	-	-	0.01	0.080	0.100

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Duty Cycle %	Pmax	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
<b>3500-3900MHz for SRS Ant</b>																			
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	DSI 4	650000	3750	22.81	10	23.00	0.04	0.412	0.043	
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	DSI 4	650000	3750	22.62	10	23.00	0.09	0.372	0.041	
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 4	650000	3750	22.81	10	23.00	-0.05	0.453	0.047	
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 4	650000	3750	22.62	10	23.00	0.14	0.428	0.047	
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 3	DSI 4	650000	3750	22.81	10	23.00	0.16	0.395	0.041	
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 3	DSI 4	650000	3750	22.62	10	23.00	-0.18	0.413	0.045	
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 3	DSI 4	650000	3750	22.81	10	23.00	0.15	0.344	0.036	
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 3	DSI 4	650000	3750	22.62	10	23.00	0.11	0.361	0.039	
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	DSI 4	633334	3500.01	22.68	10	23.00	0.14	0.362	0.039	
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	DSI 4	633334	3500.01	22.44	10	23.00	0.08	0.324	0.037	
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 4	633334	3500.01	22.68	10	23.00	-0.07	0.444	0.048	
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 4	633334	3500.01	22.44	10	23.00	0.01	0.409	0.047	
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 3	DSI 4	633334	3500.01	22.68	10	23.00	-0.15	0.391	0.042	
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 3	DSI 4	633334	3500.01	22.44	10	23.00	-0.19	0.389	0.044	
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 3	DSI 4	633334	3500.01	22.68	10	23.00	-0.1	0.380	0.041	
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 3	DSI 4	633334	3500.01	22.44	10	23.00	0.16	0.278	0.032	
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.52	10	26.00	-0.12	0.039	0.044	
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.47	10	26.00	-0.14	0.029	0.033	
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.52	10	26.00	0.09	0.684	0.764	
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.47	10	26.00	-0.05	0.514	0.581	
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.52	10	26.00	0.08	0.073	0.082	
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.47	10	26.00	0.02	0.048	0.054	
	FR1 n78-PC2 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.52	10	26.00	0.04	0.251	0.280	
	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	DSI 3 Simultaneous	650000	3750	15.47	10	26.00	0.08	0.162	0.183	
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.47	10	26.00	0.13	0.038	0.043	
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.45	10	26.00	0.18	0.040	0.045	
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.47	10	26.00	-0.04	0.693	0.783	
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.45	10	26.00	0.02	0.689	0.782	
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.47	10	26.00	0.16	0.063	0.071	
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.45	10	26.00	-0.09	0.049	0.056	
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.47	10	26.00	0.03	0.171	0.193	
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.45	10	26.00	0.02	0.158	0.179	
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.67	10	21.90	0.19	0.181	0.038	
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.42	10	21.90	0.08	0.102	0.023	
	FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.67	10	21.90	0.02	0.727	0.153	
	FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.42	10	21.90	0.02	0.610	0.136	

**Sporton International (Kunshan) Inc.**

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FCC ID : IHDT56AB1

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**FCC SAR Test Report**

**Report No. : FA192317**

FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Rigth Side	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.67	10	21.90	0.07	0.053	0.011
FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Rigth Side	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.42	10	21.90	-0.08	0.031	0.007
FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.67	10	21.90	0.02	0.213	0.045
FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	DSI 3 Simultaneous	650000	3750	18.42	10	21.90	0.07	0.172	0.038
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.51	10	21.90	-0.16	0.088	0.019
FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.31	10	21.90	-0.11	0.103	0.024
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.51	10	21.90	-0.04	0.747	0.163
FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.31	10	21.90	0.14	0.746	0.171
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Rigth Side	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.51	10	21.90	0.11	0.049	0.011
FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Rigth Side	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.31	10	21.90	-0.08	0.068	0.016
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.51	10	21.90	0.06	0.111	0.024
FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.31	10	21.90	0.07	0.137	0.031
Smart Folio mode																	
FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	DSI 4	650000	3750	22.81	10	23.00	0.07	0.311	0.032
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	DSI 3 Simultaneous	633334	3500.01	15.47	10	26.00	-0.01	0.513	0.580
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	DSI 3 Simultaneous	633334	3500.01	18.51	10	21.90	-0.01	0.511	0.112

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN/Bluetooth																	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+6	WWAN+WLAN	1	2412	16.80	18.00	1.318	97.87	1.022	0.03	0.187	0.252	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+6	WWAN+WLAN	1	2412	16.80	18.00	1.318	97.87	1.022	0.08	0.216	0.291	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 4+6	WWAN+WLAN	1	2412	16.80	18.00	1.318	97.87	1.022	0.07	0.052	0.070	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 4+6	WWAN+WLAN	1	2412	16.80	18.00	1.318	97.87	1.022	0.02	0.051	0.069	
48	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 4+6	WWAN+WLAN	1	2412	16.80	18.00	1.318	97.87	1.022	0.06	0.391	0.527	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 4+6	WWAN+DBS	1	2412	14.43	15.50	1.281	97.87	1.022	0.19	0.161	0.211	
Smart Folio mode																	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 4+6	WWAN+WLAN	1	2412	16.80	18.00	1.318	97.87	1.022	0.02	0.305	0.411	
	Bluetooth	1Mbps	Front	5mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	0.18	0.088	0.128	
	Bluetooth	1Mbps	Back	5mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	0.09	0.118	0.171	
	Bluetooth	1Mbps	Left Side	5mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	0.03	0.089	0.129	
	Bluetooth	1Mbps	Right Side	5mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	-0.11	0.047	0.068	
	Bluetooth	1Mbps	Top Side	5mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	-0.08	0.105	0.152	
	Bluetooth	1Mbps	Front	5mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.19	0.001	0.002	
49	Bluetooth	1Mbps	Back	5mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	-0.1	0.188	0.322	
	Bluetooth	1Mbps	Right Side	5mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.19	0.050	0.086	
	Bluetooth	1Mbps	Top Side	5mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.06	0.003	0.005	
Smart Folio mode																	
	Bluetooth	1Mbps	Back	5mm	Ant 4	Full Power	0	2402	13.53	14.00	1.115	76.79	1.302	0.05	0.097	0.141	
	Bluetooth	1Mbps	Back	5mm	Ant 6	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.07	0.164	0.280	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	42	5210	10.03	11.50	1.403	100	1.000	0.01	0.048	0.067	
50	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	42	5210	10.03	11.50	1.403	100	1.000	0.01	0.199	0.279	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	42	5210	10.03	11.50	1.403	100	1.000	-0.07	0.046	0.065	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	42	5210	10.03	11.50	1.403	100	1.000	-0.02	0.043	0.060	
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	42	5210	10.03	11.50	1.403	100	1.000	-0.04	0.166	0.233	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	155	5775	11.66	13.00	1.361	100	1.000	0.17	0.053	0.072	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	155	5775	11.66	13.00	1.361	100	1.000	0.04	0.109	0.148	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	155	5775	11.66	13.00	1.361	100	1.000	0.01	0.033	0.045	
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	155	5775	11.66	13.00	1.361	100	1.000	0.03	0.040	0.054	
51	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+6	WWAN+WLAN&WWAN+DBS	155	5775	11.66	13.00	1.361	100	1.000	0.03	0.202	0.275	



16.3 Body Worn Accessory SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Headset, Power State, Ch., Freq. (MHz), Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Rows are grouped by frequency bands: 750MHz, 850MHz, and WCDMA V.

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FCC ID : IHDT56AB1

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**FCC SAR Test Report**

**Report No. : FA192317**

	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI 3 Simultaneous	4182	836.4	22.20	23.30	1.288	0.03	0.362	0.466
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3 Simultaneous	4182	836.4	22.20	23.30	1.288	-0.15	0.507	0.653
	LTE Band 26(5)	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	26865	831.5	22.61	23.50	1.227	-0.05	0.442	0.543
	LTE Band 26(5)	15M	QPSK	36	0	-	Front	5mm	Ant 0	-	DSI 3	26865	831.5	22.58	23.50	1.236	-0.1	0.371	0.459
56	LTE Band 26(5)	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	22.61	23.50	1.227	0.08	0.956	<b>1.173</b>
	LTE Band 26(5)	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	22.58	23.50	1.236	0.09	0.746	0.922
	LTE Band 26(5)	15M	QPSK	75	0	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	22.58	23.50	1.236	0.04	0.688	0.850
	LTE Band 26(5)	15M	QPSK	1	0	-	Front	18mm	Ant 0	-	DSI 4	26865	831.5	22.61	24.00	1.377	-0.14	0.163	0.224
	LTE Band 26(5)	15M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI 4	26865	831.5	22.61	24.00	1.377	-0.16	0.140	0.193
	LTE Band 26(5)	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3 Simultaneous	26865	831.5	21.64	23.00	1.368	-0.12	0.318	0.435
	LTE Band 26(5)	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	26865	831.5	21.64	23.00	1.368	0.01	0.687	0.940
	LTE Band 26(5)	15M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 4	26865	831.5	22.40	24.00	1.445	0.03	0.449	0.649
	LTE Band 26(5)	15M	QPSK	36	0	-	Front	5mm	Ant 1	-	DSI 4	26865	831.5	22.38	24.00	1.452	0.08	0.437	0.635
	LTE Band 26(5)	15M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 4	26865	831.5	22.40	24.00	1.445	-0.07	0.624	0.902
	LTE Band 26(5)	15M	QPSK	36	0	-	Back	5mm	Ant 1	-	DSI 4	26865	831.5	22.38	24.00	1.452	-0.02	0.552	0.802
	LTE Band 26(5)	15M	QPSK	75	0	-	Back	5mm	Ant 1	-	DSI 4	26865	831.5	22.33	24.00	1.469	-0.05	0.548	0.805
	LTE Band 26(5)	15M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3 Simultaneous	26865	831.5	22.40	23.50	1.288	-0.16	0.343	0.442
	LTE Band 26(5)	15M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3 Simultaneous	26865	831.5	22.40	23.50	1.288	0.17	0.477	0.614
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI 4	167300	836.5	23.48	24.00	1.127	0.07	0.544	0.613
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI 4	167300	836.5	23.36	24.00	1.159	0.09	0.538	0.623
57	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 4	167300	836.5	23.48	24.00	1.127	-0.18	0.877	<b>0.989</b>
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 4	167300	836.5	23.36	24.00	1.159	0.07	0.815	0.944
	FR1 n5	20M	QPSK	100	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 4	167300	836.5	22.99	24.00	1.262	0.06	0.735	0.927
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI 3 Simultaneous	167300	836.5	21.99	23.30	1.352	-0.02	0.446	0.603
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 3 Simultaneous	167300	836.5	22.14	23.30	1.306	-0.12	0.719	0.939



**FCC SAR Test Report**

**Report No. : FA192317**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>1750MHz</b>																			
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	1413	1732.6	18.33	19.20	1.222	0.03	0.754	0.921
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	1312	1712.4	18.26	19.20	1.242	0.01	0.669	0.831
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	1513	1752.6	18.19	19.20	1.262	0.05	0.812	1.025
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	1413	1732.6	18.33	19.20	1.222	0.04	0.920	1.124
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	1312	1712.4	18.26	19.20	1.242	0.04	0.779	0.967
58	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	1513	1752.6	18.19	19.20	1.262	0.08	0.979	<b>1.235</b>
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 3	1513	1752.6	18.19	19.20	1.262	0.01	0.621	0.784
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 0	-	DSI 4	1513	1752.6	24.14	25.00	1.219	0.02	0.478	0.583
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	21mm	Ant 0	-	DSI 4	1513	1752.6	24.14	25.00	1.219	0.05	0.415	0.506
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3 Simultaneous	1413	1732.6	15.27	16.10	1.211	0.05	0.348	0.421
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3 Simultaneous	1413	1732.6	15.27	16.10	1.211	0.16	0.425	0.515
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	132322	1745	17.99	19.40	1.384	0.05	0.614	0.850
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	132072	1720	17.87	19.40	1.422	0.04	0.586	0.833
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	132572	1770	17.92	19.40	1.406	0.05	0.536	0.754
	LTE Band 66(4)	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	132322	1745	17.89	19.40	1.416	0.01	0.463	0.656
	LTE Band 66(4)	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	DSI 3	132322	1745	17.79	19.40	1.449	0.04	0.414	0.600
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	132322	1745	17.99	19.40	1.384	0.05	0.766	1.060
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	132072	1720	17.87	19.40	1.422	0.01	0.852	1.212
59	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	132572	1770	17.92	19.40	1.406	0.01	0.877	<b>1.233</b>
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	132572	1770	17.92	19.40	1.406	0.01	0.529	0.744
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	132322	1745	17.89	19.40	1.416	0.05	0.682	0.966
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	132072	1720	17.74	19.40	1.466	0.04	0.624	0.915
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	132572	1770	17.65	19.40	1.496	0.12	0.675	1.010
	LTE Band 66(4)	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	132322	1745	17.79	19.40	1.449	0.13	0.468	0.678
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	18mm	Ant 0	-	DSI 4	132322	1745	23.15	24.00	1.216	0.02	0.461	0.561
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI 4	132572	1770	22.89	24.00	1.291	0.06	0.416	0.537
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3 Simultaneous	132322	1745	15.01	16.30	1.346	-0.12	0.301	0.405
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	132322	1745	15.01	16.30	1.346	0.18	0.375	0.505
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	132322	1745	16.99	18.10	1.291	0.01	0.659	0.851
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	132072	1720	16.91	18.10	1.315	0.13	0.635	0.835
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	132572	1770	16.94	18.10	1.306	0.15	0.749	0.978
	LTE Band 66(4)	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	132322	1745	16.74	18.10	1.368	0.14	0.508	0.695
	LTE Band 66(4)	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	DSI 3	132322	1745	16.67	18.10	1.390	0.03	0.530	0.737
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	16.99	18.10	1.291	0.01	0.816	1.054
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	132072	1720	16.91	18.10	1.315	0.05	0.820	1.078
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	132572	1770	16.94	18.10	1.306	-0.1	0.943	1.232
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI 3	132572	1770	16.94	18.10	1.306	0.08	0.512	0.669
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	16.74	18.10	1.368	0.02	0.695	0.951
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	132072	1720	16.64	18.10	1.400	0.01	0.620	0.868
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	132572	1770	16.71	18.10	1.377	0.02	0.764	1.052
	LTE Band 66(4)	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	132322	1745	16.67	18.10	1.390	0.04	0.693	0.963
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	18mm	Ant 1	-	DSI 4	132572	1770	22.01	23.00	1.256	0.04	0.404	0.507
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	21mm	Ant 1	-	DSI 4	132572	1770	22.01	23.00	1.256	0.05	0.415	0.521
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3 Simultaneous	132322	1745	14.51	15.80	1.346	-0.09	0.368	0.495
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3 Simultaneous	132322	1745	14.51	15.80	1.346	0.05	0.456	0.614
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	349000	1745	16.77	18.10	1.358	0.02	0.590	0.801
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	349000	1745	16.73	18.10	1.371	0.01	0.669	0.917
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	349000	1745	16.66	18.10	1.393	0.05	0.661	0.921
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	349000	1745	16.77	18.10	1.358	0.04	0.786	1.068
60	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	349000	1745	16.73	18.10	1.371	-0.06	0.906	<b>1.242</b>
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	Headset	DSI 3	349000	1745	16.73	18.10	1.371	0.08	0.549	0.753
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	349000	1745	16.66	18.10	1.393	0.05	0.870	1.212
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	18mm	Ant 1	-	DSI 4	349000	1745	23.62	24.00	1.091	0.03	0.069	0.075





**FCC SAR Test Report**

**Report No. : FA192317**

FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	18mm	Ant 1	-	DSI 4	349000	1745	23.56	24.00	1.107	-0.05	0.084	0.093
FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	18mm	Ant 1	-	DSI 4	349000	1745	23.31	24.00	1.172	0.06	0.091	0.107
FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	21mm	Ant 1	-	DSI 4	349000	1745	23.62	24.00	1.091	0.02	0.082	0.089
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	21mm	Ant 1	-	DSI 4	349000	1745	23.56	24.00	1.107	0.01	0.083	0.092
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3 Simultaneous	349000	1745	14.25	15.50	1.334	0.04	0.430	0.573
FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3 Simultaneous	349000	1745	14.25	15.50	1.334	-0.06	0.582	0.776

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>1900MHz</b>																			
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	DSI 3	661	1880	20.24	21.70	1.400	0.01	0.630	0.882
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	DSI 3	512	1850.2	20.22	21.70	1.406	0.09	0.685	0.963
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	DSI 3	810	1909.8	20.11	21.70	1.442	0.01	0.575	0.829
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	DSI 3	661	1880	20.24	21.70	1.400	0.05	0.765	1.071
61	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	DSI 3	512	1850.2	20.22	21.70	1.406	-0.03	0.886	<b>1.246</b>
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	Headset	DSI 3	512	1850.2	20.22	21.70	1.406	0.02	0.457	0.643
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	DSI 3	810	1909.8	20.11	21.70	1.442	0.02	0.754	1.087
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	18mm	Ant 0	-	DSI 4	512	1850.2	25.33	26.50	1.309	0.06	0.297	0.389
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	21mm	Ant 0	-	DSI 4	512	1850.2	25.33	26.50	1.309	-0.02	0.332	0.435
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	DSI 3 Simultaneous	661	1880	16.69	17.50	1.205	0.01	0.363	0.437
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	DSI 3 Simultaneous	661	1880	16.69	17.50	1.205	0.05	0.441	0.531
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	9400	1880	18.33	19.60	1.340	-0.03	0.626	0.839
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	9262	1852.4	18.21	19.60	1.377	0.01	0.686	0.945
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	9538	1907.6	18.18	19.60	1.387	0.01	0.577	0.800
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	9400	1880	18.33	19.60	1.340	0.08	0.798	1.069
62	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	9262	1852.4	18.21	19.60	1.377	-0.02	0.897	<b>1.235</b>
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 3	9262	1852.4	18.21	19.60	1.377	0.02	0.455	0.627
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	9538	1907.6	18.18	19.60	1.387	0.07	0.681	0.944
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 0	-	DSI 4	9262	1852.4	24.16	25.00	1.213	0.08	0.562	0.682
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	21mm	Ant 0	-	DSI 4	9262	1852.4	24.16	25.00	1.213	0.04	0.524	0.636
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3 Simultaneous	9400	1880	14.63	16.00	1.371	-0.03	0.316	0.433
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3 Simultaneous	9400	1880	14.63	16.00	1.371	0.08	0.403	0.552
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	26340	1880	18.33	19.40	1.279	0.06	0.667	0.853
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	26140	1860	18.21	19.40	1.315	0.05	0.735	0.967
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	26590	1905	18.32	19.40	1.282	-0.11	0.608	0.780
	LTE Band 25(2)	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	26340	1880	18.32	19.40	1.282	0.03	0.526	0.675
	LTE Band 25(2)	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	DSI 3	26340	1880	18.28	19.40	1.294	-0.17	0.494	0.639
63	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26340	1880	18.33	19.40	1.279	-0.03	0.982	<b>1.256</b>
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	26340	1880	18.33	19.40	1.279	0.05	0.463	0.592
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26140	1860	18.21	19.40	1.315	0.04	0.939	1.235
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26590	1905	18.32	19.40	1.282	-0.16	0.941	1.207
	LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	26340	1880	18.32	19.40	1.282	0.04	0.708	0.908
	LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	26140	1860	18.23	19.40	1.309	-0.04	0.713	0.933
	LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	26590	1905	18.18	19.40	1.324	0.06	0.667	0.883
	LTE Band 25(2)	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	26340	1880	18.28	19.40	1.294	-0.19	0.738	0.955
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	18mm	Ant 0	-	DSI 4	26140	1860	22.80	24.00	1.318	0.02	0.315	0.415
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI 4	26340	1880	22.89	24.00	1.291	-0.11	0.432	0.558
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3 Simultaneous	26340	1880	14.79	15.80	1.262	0.06	0.293	0.370
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	26340	1880	14.79	15.80	1.262	-0.03	0.431	0.544
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	26340	1880	19.58	20.60	1.265	0.03	0.654	0.827
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	26140	1860	19.41	20.60	1.315	0.01	0.741	0.975
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	26590	1905	19.33	20.60	1.340	0.05	0.537	0.719
	LTE Band 25(2)	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	26340	1880	19.51	20.60	1.285	0.04	0.520	0.668
	LTE Band 25(2)	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	DSI 3	26340	1880	19.46	20.60	1.300	0.05	0.520	0.676
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	26340	1880	19.58	20.60	1.265	-0.15	0.992	1.255
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI 3	26340	1880	19.58	20.60	1.265	0.07	0.584	0.739

**Sporton International (Kunshan) Inc.**

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# FCC SAR Test Report

Report No. : FA192317

LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	26140	1860	19.41	20.60	1.315	0.07	0.899	1.182	
LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	26590	1905	19.33	20.60	1.340	0.05	0.751	1.006	
LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	26340	1880	19.51	20.60	1.285	0.09	0.696	0.895	
LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	26140	1860	19.40	20.60	1.318	0.04	0.837	1.103	
LTE Band 25(2)	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	26590	1905	19.21	20.60	1.377	0.07	0.606	0.835	
LTE Band 25(2)	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	26340	1880	19.46	20.60	1.300	0.05	0.706	0.918	
LTE Band 25(2)	20M	QPSK	1	0	-	Front	18mm	Ant 1	-	DSI 4	26140	1860	23.13	24.00	1.222	0.04	0.232	0.283	
LTE Band 25(2)	20M	QPSK	1	0	-	Back	21mm	Ant 1	-	DSI 4	26340	1880	23.28	24.00	1.180	0.02	0.215	0.254	
LTE Band 25(2)	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	0.03	0.356	0.451	
LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3 Simultaneous	26340	1880	16.67	17.70	1.268	0.07	0.489	0.620	
Smart Folio mode																			
LTE Band 25(2)	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26340	1880	18.33	19.40	1.279	-0.01	0.742	0.949	

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>2600MHz</b>																					
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	21100	2535	18.71	19.70	1.256	-	-	0.04	0.772	0.970
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	20850	2510	18.39	19.70	1.352	-	-	-0.16	0.770	1.041
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	21350	2560	18.67	19.70	1.268	-	-	-0.04	0.754	0.956
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	21100	2535	18.64	19.70	1.276	-	-	0.06	0.635	0.811
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	20850	2510	18.34	19.70	1.368	-	-	0.17	0.617	0.844
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	21350	2560	18.36	19.70	1.361	-	-	-0.01	0.593	0.807
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	DSI 3	21100	2535	18.60	19.70	1.288	-	-	-0.14	0.569	0.733
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	21100	2535	18.71	19.70	1.256	-	-	-0.01	0.914	1.148
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	20850	2510	18.39	19.70	1.352	-	-	0.1	0.909	1.229
64	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	21350	2560	18.67	19.70	1.268	-	-	-0.06	0.983	<b>1.246</b>
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	21350+21152	2560+2579.8	18.63	19.70	1.279	-	-	0.01	0.733	0.938
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	21350	2560	18.67	19.70	1.268	-	-	0.02	0.621	0.787
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	21100	2535	18.64	19.70	1.276	-	-	-0.18	0.793	1.012
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	20850	2510	18.34	19.70	1.368	-	-	0.07	0.759	1.038
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	21350	2560	18.36	19.70	1.361	-	-	0.1	0.783	1.066
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	21100	2535	18.60	19.70	1.288	-	-	0.06	0.788	1.015
	LTE Band 7	20M	QPSK	1	0	-	Front	18mm	Ant 0	-	DSI 4	20850	2510	23.21	24.00	1.199	-	-	0.06	0.565	0.678
	LTE Band 7	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI 4	21350	2560	23.40	24.00	1.148	-	-	0.1	0.531	0.610
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3 Simultaneous	21100	2535	14.19	15.20	1.262	-	-	0.04	0.256	0.323
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	21100	2535	14.19	15.20	1.262	-	-	-0.01	0.304	0.384
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	18.69	19.70	1.262	-	-	0.09	0.602	0.760
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	18.57	19.70	1.297	-	-	-0.07	0.487	0.632
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	18.69	19.70	1.262	-	-	-0.1	0.898	1.133
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	20850	2510	18.33	19.70	1.371	-	-	-0.11	0.889	1.219
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	18.63	19.70	1.279	-	-	0.01	0.971	1.242
	LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	DSI 3	21350+21152	2560+2579.8	18.61	19.70	1.285	-	-	0.01	0.712	0.915
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI 3	21350	2560	18.63	19.70	1.279	-	-	0.03	0.659	0.843
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	18.57	19.70	1.297	-	-	0.06	0.725	0.940
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	20850	2510	18.24	19.70	1.400	-	-	0.03	0.759	1.062
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	18.29	19.70	1.384	-	-	-0.05	0.808	1.118
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	18.53	19.70	1.309	-	-	0.03	0.731	0.957
	LTE Band 7	20M	QPSK	1	0	-	Front	18mm	Ant 1	-	DSI 4	21100	2535	22.71	24.00	1.346	-	-	0.16	0.263	0.354
	LTE Band 7	20M	QPSK	1	0	-	Back	21mm	Ant 1	-	DSI 4	21350	2560	22.67	24.00	1.358	-	-	0.02	0.251	0.341
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3 Simultaneous	21100	2535	15.45	16.70	1.334	-	-	0.09	0.210	0.280
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3 Simultaneous	21100	2535	15.45	16.70	1.334	-	-	-0.1	0.313	0.417
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	38000	2595	21.00	22.60	1.445	42.9	1.009	0.07	0.597	0.871
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	37850	2580	20.82	22.60	1.507	62.9	1.006	0.07	0.590	0.894
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	38150	2610	20.88	22.60	1.486	62.9	1.006	-0.04	0.643	0.961

Sporton International (Kunshan) Inc.

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**FCC SAR Test Report**

**Report No. : FA192317**

	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	38000	2595	20.97	22.60	1.455	62.9	1.006	0.02	0.590	0.864
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	37850	2580	20.81	22.60	1.510	62.9	1.006	0.13	0.618	0.939
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	38150	2610	20.92	22.60	1.472	62.9	1.006	-0.09	0.625	0.926
	LTE Band 38	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	DSI 3	38000	2595	20.95	22.60	1.462	62.9	1.006	0.08	0.548	0.806
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	38000	2595	21.00	22.60	1.445	62.9	1.006	0.1	0.744	1.082
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	37850	2580	20.82	22.60	1.507	62.9	1.006	0.03	0.800	1.213
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	38150	2610	20.88	22.60	1.486	62.9	1.006	0.01	0.821	1.227
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	38150	2610	20.88	22.60	1.486	62.9	1.006	-0.03	0.805	1.203
	LTE Band 38	20M	50	50	0	-	Back	5mm	Ant 0	-	DSI 3	38000	2595	20.97	22.60	1.455	62.9	1.006	0.02	0.744	1.089
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	37850	2580	20.81	22.60	1.510	62.9	1.006	0.08	0.779	1.183
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	38150	2610	20.92	22.60	1.472	62.9	1.006	0.1	0.797	1.180
	LTE Band 38	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	38000	2595	20.95	22.60	1.462	62.9	1.006	0.02	0.727	1.069
	LTE Band 38-PC2	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	38150	2610	22.91	24.20	1.346	42.9	1.009	0.03	0.913	1.240
	LTE Band 38	20M	QPSK	1	0	-	Front	18mm	Ant 0	-	DSI 4	38150	2610	23.26	24.00	1.186	62.9	1.006	0.07	0.214	0.255
	LTE Band 38	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI 4	38150	2610	23.26	24.00	1.186	62.9	1.006	0.13	0.211	0.252
	LTE Band 38-PC2	20M	QPSK	1	0	-	Front	18mm	Ant 0	-	DSI 4	38150	2610	26.33	27.00	1.167	42.9	1.009	0.07	0.255	0.300
	LTE Band 38-PC2	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI 4	38150	2610	26.33	27.00	1.167	42.9	1.009	0.13	0.251	0.296
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3 Simultaneous	38000	2595	16.68	17.80	1.294	62.9	1.006	0.02	0.209	0.272
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	38000	2595	16.68	17.80	1.294	62.9	1.006	0.02	0.264	0.344
	LTE Band 38-PC2	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	38000	2595	18.38	19.40	1.265	42.9	1.009	0.04	0.741	0.946
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	38000	2595	20.91	22.00	1.285	62.9	1.006	0.06	0.453	0.586
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	38000	2595	20.86	22.00	1.300	62.9	1.006	-0.05	0.475	0.621
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	38000	2595	20.91	22.00	1.285	62.9	1.006	0.09	0.721	0.932
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	37850	2580	20.71	22.00	1.346	62.9	1.006	0.02	0.641	0.868
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	38150	2610	20.77	22.00	1.327	62.9	1.006	0.02	0.804	1.074
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	38000	2595	20.86	22.00	1.300	62.9	1.006	0.17	0.751	0.982
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	37850	2580	20.71	22.00	1.346	62.9	1.006	0.08	0.672	0.910
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	38150	2610	20.82	22.00	1.312	62.9	1.006	0.01	0.849	1.121
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	Headset	DSI 3	38150	2610	20.82	22.00	1.312	62.9	1.006	0.03	0.735	0.970
	LTE Band 38	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	38000	2595	20.85	22.00	1.303	62.9	1.006	-0.18	0.785	1.029
65	LTE Band 38-PC2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	38150	2610	22.31	23.60	1.346	42.9	1.009	0.04	0.939	1.275
	LTE Band 38	20M	QPSK	1	0	-	Front	18mm	Ant 1	-	DSI 4	38000	2595	22.89	24.00	1.291	62.9	1.006	0.02	0.125	0.162
	LTE Band 38	20M	QPSK	50	0	-	Front	18mm	Ant 1	-	DSI 4	38000	2595	22.85	24.00	1.303	62.9	1.006	0.13	0.105	0.138
	LTE Band 38	20M	QPSK	1	0	-	Back	21mm	Ant 1	-	DSI 4	38150	2610	22.72	24.00	1.343	62.9	1.006	0.07	0.156	0.211
	LTE Band 38	20M	QPSK	50	0	-	Back	21mm	Ant 1	-	DSI 4	38150	2610	22.71	24.00	1.346	62.9	1.006	0.01	0.148	0.200
	LTE Band 38-PC2	20M	QPSK	1	0	-	Front	18mm	Ant 1	-	DSI 4	38000	2595	25.68	26.50	1.208	42.9	1.009	-0.09	0.131	0.160
	LTE Band 38-PC2	20M	QPSK	50	0	-	Front	18mm	Ant 1	-	DSI 4	38000	2595	25.56	26.50	1.242	42.9	1.009	0.13	0.115	0.144
	LTE Band 38-PC2	20M	QPSK	1	0	-	Back	21mm	Ant 1	-	DSI 4	38150	2610	25.5	26.50	1.259	42.9	1.009	0.01	0.162	0.206
	LTE Band 38-PC2	20M	QPSK	50	0	-	Back	21mm	Ant 1	-	DSI 4	38150	2610	25.2	26.50	1.349	42.9	1.009	0.01	0.159	0.216
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3 Simultaneous	38000	2595	16.39	17.90	1.416	62.9	1.006	-0.05	0.208	0.296
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3 Simultaneous	38000	2595	16.39	17.90	1.416	62.9	1.006	0.17	0.328	0.467
	LTE Band 38-PC2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3 Simultaneous	38000	2595	18.39	19.50	1.291	62.9	1.006	0.07	0.718	0.933
Smart Folio mode																					
	LTE Band 38-PC2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	38150	2610	22.31	23.60	1.346	42.9	1.009	-0.06	0.745	1.012
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	40620	2593	21.35	22.30	1.245	62.9	1.006	-0.05	0.795	0.995
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	39750	2506	21.08	22.30	1.324	62.9	1.006	-0.19	0.754	1.005
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	40185	2549.5	21.27	22.30	1.268	62.9	1.006	-0.14	0.723	0.922
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	41055	2636.5	21.16	22.30	1.300	62.9	1.006	0.09	0.643	0.841
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	41490	2680	21.23	22.30	1.279	62.9	1.006	0.07	0.580	0.746
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	40620	2593	21.30	22.30	1.259	62.9	1.006	0.04	0.585	0.741
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	39750	2506	21.20	22.30	1.288	62.9	1.006	0.07	0.665	0.862
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	40185	2549.5	21.25	22.30	1.274	62.9	1.006	-0.12	0.625	0.801
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	41055	2636.5	20.99	22.30	1.352	62.9	1.006	-0.12	0.513	0.698
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	41490	2680	21.06	22.30	1.330	62.9	1.006	-0.17	0.482	0.645
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	DSI 3	40620	2593	21.26	22.30	1.271	62.9	1.006	0.05	0.545	0.697

**Sporton International (Kunshan) Inc.**

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : IHDT56AB1

Issued Date : Jan. 26, 2022

Form version. : 200414



FCC SAR Test Report

Report No. : FA192317

	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	40620	2593	21.35	22.30	1.245	62.9	1.006	0.04	0.894	1.119
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	39750	2506	21.08	22.30	1.324	62.9	1.006	0.16	0.878	1.170
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	40185	2549.5	21.27	22.30	1.268	62.9	1.006	0.03	0.982	1.252
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	40185	2549.5	21.27	22.30	1.268	62.9	1.006	0.03	0.467	0.596
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	41055	2636.5	21.16	22.30	1.300	62.9	1.006	-0.05	0.897	1.173
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	41490	2680	21.23	22.30	1.279	62.9	1.006	0.05	0.808	1.040
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	40620	2593	21.30	22.30	1.259	62.9	1.006	0.04	0.808	1.023
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	39750	2506	21.20	22.30	1.288	62.9	1.006	0.07	0.857	1.111
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	40185	2549.5	21.25	22.30	1.274	62.9	1.006	-0.05	0.839	1.075
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	41055	2636.5	20.99	22.30	1.352	62.9	1.006	-0.06	0.737	1.002
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	41490	2680	21.06	22.30	1.330	62.9	1.006	-0.14	0.670	0.897
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	40620	2593	21.26	22.30	1.271	62.9	1.006	-0.19	0.781	0.998
	LTE Band 41	20M	QPSK	1	0	-	Front	18mm	Ant 0	-	DSI 4	40185	2549.5	23.14	24.00	1.219	62.9	1.006	0.08	0.320	0.392
	LTE Band 41	20M	QPSK	1	0	-	Back	21mm	Ant 0	-	DSI 4	40185	2549.5	23.14	24.00	1.219	62.9	1.006	0.03	0.352	0.432
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3 Simultaneous	40620	2593	16.29	17.30	1.262	62.9	1.006	-0.05	0.266	0.338
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	40620	2593	16.29	17.30	1.262	62.9	1.006	0.04	0.325	0.413
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	40620	2593	20.64	21.60	1.247	62.9	1.006	-0.06	0.520	0.653
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	39750	2506	20.37	21.60	1.327	62.9	1.006	0.07	0.495	0.661
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	40185	2549.5	20.53	21.60	1.279	62.9	1.006	-0.07	0.465	0.598
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	41055	2636.5	20.48	21.60	1.294	62.9	1.006	0.05	0.524	0.682
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	41490	2680	20.58	21.60	1.265	62.9	1.006	-0.12	0.672	0.855
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	40620	2593	20.57	21.60	1.268	62.9	1.006	0.08	0.452	0.576
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	DSI 3	40620	2593	20.54	21.60	1.276	62.9	1.006	0.09	0.461	0.592
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	20.64	21.60	1.247	62.9	1.006	0.08	0.896	1.124
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	39750	2506	20.37	21.60	1.327	62.9	1.006	0.06	0.799	1.067
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	40185	2549.5	20.53	21.60	1.279	62.9	1.006	0.02	0.710	0.914
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	41055	2636.5	20.48	21.60	1.294	62.9	1.006	0.09	0.888	1.156
66	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	41490	2680	20.58	21.60	1.265	62.9	1.006	-0.06	0.985	1.253
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI 3	41490	2680	20.58	21.60	1.265	62.9	1.006	0.03	0.833	1.060
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	20.57	21.60	1.268	62.9	1.006	-0.17	0.643	0.820
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	39750	2506	20.50	21.60	1.288	62.9	1.006	0.04	0.605	0.784
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	40185	2549.5	20.53	21.60	1.279	62.9	1.006	-0.06	0.571	0.735
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	41055	2636.5	20.26	21.60	1.361	62.9	1.006	0.02	0.769	1.053
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	41490	2680	20.38	21.60	1.324	62.9	1.006	0.18	0.782	1.042
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	20.54	21.60	1.276	62.9	1.006	0.05	0.706	0.907
	LTE Band 41	20M	QPSK	1	0	-	Front	18mm	Ant 1	-	DSI 4	41490	2680	22.57	24.00	1.390	62.9	1.006	0.12	0.189	0.264
	LTE Band 41	20M	QPSK	1	0	-	Back	21mm	Ant 1	-	DSI 4	41490	2680	22.57	24.00	1.390	62.9	1.006	-0.15	0.241	0.337
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3 Simultaneous	40620	2593	16.24	17.50	1.337	62.9	1.006	-0.06	0.175	0.235
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3 Simultaneous	40620	2593	16.24	17.50	1.337	62.9	1.006	0.08	0.301	0.405
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI 3	507000	2535	19.18	20.40	1.324	-	-	-0.18	0.804	1.065
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI 3	507000	2535	19.11	20.40	1.346	-	-	-0.02	0.755	1.016
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI 3	507000	2535	19.07	20.40	1.358	-	-	0.03	0.762	1.035
67	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 3	507000	2535	19.18	20.40	1.324	-	-	-0.16	0.933	1.236
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	DSI 3	507000	2535	19.18	20.40	1.324	-	-	0.04	0.580	0.768
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 3	507000	2535	19.11	20.40	1.346	-	-	0.02	0.849	1.143
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 3	507000	2535	19.07	20.40	1.358	-	-	0.06	0.856	1.163
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	18mm	Ant 0	-	DSI 4	507000	2535	22.84	24.00	1.306	-	-	-0.14	0.307	0.401
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	21mm	Ant 0	-	DSI 4	507000	2535	22.84	24.00	1.306	-	-	0.05	0.269	0.351
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	DSI 3 Simultaneous	507000	2535	14.56	15.50	1.242	-	-	-0.18	0.311	0.386
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	DSI 3 Simultaneous	507000	2535	14.56	15.50	1.242	-	-	-0.16	0.361	0.448
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	507000	2535	18.88	20.30	1.387	-	-	-0.08	0.578	0.802
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	507000	2535	18.85	20.30	1.396	-	-	0.07	0.640	0.894
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	507000	2535	18.70	20.30	1.445	-	-	-0.08	0.553	0.799
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	507000	2535	18.88	20.30	1.387	-	-	0.09	0.883	1.225
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	507000	2535	18.85	20.30	1.396	-	-	-0.02	0.885	1.236

Sporton International (Kunshan) Inc.

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FCC ID : IHDT56AB1

Issued Date : Jan. 26, 2022

Form version. : 200414



**FCC SAR Test Report**

**Report No. : FA192317**

	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	Headset	DSI 3	507000	2535	18.85	20.30	1.396	-	-	0.02	0.731	1.021
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	507000	2535	18.70	20.30	1.445	-	-	-0.02	0.810	1.171
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	18mm	Ant 1	-	DSI 4	507000	2535	23.56	24.00	1.107	-	-	0.14	0.437	0.484
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	21mm	Ant 1	-	DSI 4	507000	2535	23.56	24.00	1.107	-	-	0.09	0.277	0.307
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3 Simultaneous	507000	2535	15.25	16.30	1.274	-	-	0.07	0.390	0.497
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3 Simultaneous	507000	2535	15.25	16.30	1.274	-	-	-0.02	0.539	0.686
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI 3	519000	2595	19.10	20.10	1.259	-	-	0.05	0.596	0.750
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI 3	519000	2595	19.04	20.10	1.276	-	-	0.07	0.627	0.800
	FR1 n38	40M	QPSK	100	0	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI 3	519000	2595	18.90	20.10	1.318	-	-	0.09	0.493	0.650
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI 3	519000	2595	19.10	20.10	1.259	-	-	-0.02	0.938	1.181
68	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI 3	519000	2595	19.04	20.10	1.276	-	-	0.01	0.977	1.247
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 1	Headset	DSI 3	519000	2595	19.04	20.10	1.276	-	-	0.02	0.744	0.950
	FR1 n38	40M	QPSK	100	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI 3	519000	2595	18.90	20.10	1.318	-	-	0.13	0.750	0.989
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	18mm	Ant 1	-	DSI 4	519000	2595	23.46	24.00	1.132	-	-	0.05	0.258	0.292
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	21mm	Ant 1	-	DSI 4	519000	2595	23.46	24.00	1.132	-	-	0.11	0.349	0.395
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 1	-	DSI 3 Simultaneous	519000	2595	14.61	15.60	1.256	-	-	0.07	0.227	0.285
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 1	-	DSI 3 Simultaneous	519000	2595	14.61	15.60	1.256	-	-	0.01	0.354	0.445



FCC SAR Test Report

Report No. : FA192317

Table with 21 columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Headset, Power State, Ch., Freq. (MHz), Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Rows are grouped by frequency bands (3500-3900MHz and Smart Folio mode) and include various test configurations for LTE and FR1 bands.

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**FCC SAR Test Report**

**Report No. : FA192317**

FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	11.98	12.90	1.236	-	-	-0.02	0.057	0.070
FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	11.90	12.90	1.259	-	-	-0.04	0.058	0.073
FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	11.98	12.90	1.236	-	-	-0.18	0.674	0.833
FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	11.90	12.90	1.259	-	-	0.12	0.745	0.938
FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	11.70	12.90	1.318	-	-	-0.09	0.574	0.757
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3	650000	3750	12.98	13.90	1.236	-	-	-0.04	0.092	0.114
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3	650000	3750	12.91	13.90	1.256	-	-	0.09	0.098	0.123
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	650000	3750	12.98	13.90	1.236	-	-	-0.03	0.771	0.953
72 FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	650000	3750	12.91	13.90	1.256	-	-	0.01	0.998	1.254
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	Headset	DSI 3	650000	3750	12.91	13.90	1.256	-	-	0.03	0.936	1.176
FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	650000	3750	12.78	13.90	1.294	-	-	0.02	0.698	0.903
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	18mm	Ant 2	-	DSI 4	650000	3750	25.22	27.00	1.507	-	-	0.09	0.197	0.297
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	21mm	Ant 2	-	DSI 4	650000	3750	25.22	27.00	1.507	-	-	-0.18	0.521	0.785
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3 Simultaneous	650000	3750	11.55	13.20	1.462	-	-	0.17	0.049	0.072
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3 Simultaneous	650000	3750	11.43	13.20	1.503	-	-	0.05	0.062	0.093
FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3 Simultaneous	650000	3750	11.32	13.20	1.542	-	-	-0.03	0.037	0.057
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	650000	3750	11.55	13.20	1.462	-	-	0.07	0.455	0.665
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	650000	3750	11.43	13.20	1.503	-	-	0.05	0.615	0.924
FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	650000	3750	11.32	13.20	1.542	-	-	0.03	0.443	0.683
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3	633334	3500.01	13.88	13.90	1.005	-	-	-0.04	0.101	0.101
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3	633334	3500.01	13.78	13.90	1.028	-	-	0.02	0.098	0.101
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	633334	3500.01	13.88	13.90	1.005	-	-	-0.01	0.844	0.848
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	633334	3500.01	13.78	13.90	1.028	-	-	0.08	0.986	1.014
FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	633334	3500.01	13.77	13.90	1.030	-	-	0.03	0.623	0.642
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	18mm	Ant 2	-	DSI 4	633334	3500.01	25.61	27.00	1.377	-	-	0.01	0.121	0.167
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	21mm	Ant 2	-	DSI 4	633334	3500.01	25.61	27.00	1.377	-	-	-0.03	0.547	0.753
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	12.33	13.20	1.222	-	-	0.03	0.064	0.078
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	12.24	13.20	1.247	-	-	0.03	0.064	0.080
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	12.33	13.20	1.222	-	-	-0.07	0.595	0.727
FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	12.24	13.20	1.247	-	-	0.16	0.724	0.903
FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3 Simultaneous	633334	3500.01	12.17	13.20	1.268	-	-	-0.18	0.660	0.837

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Duty Cycle %	Pmax	Power Drift (dB)	1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>3500~3900MHz for SRS Ant</b>																			
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI 4	650000	3750	22.81	10	23.00	0.11	0.412	0.043
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI 4	650000	3750	22.62	10	23.00	0.06	0.372	0.041
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI 4	650000	3750	22.81	10	23.00	-0.05	0.453	0.047
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI 4	650000	3750	22.62	10	23.00	0.11	0.428	0.047
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI 4	633334	3500.01	22.68	10	23.00	0.08	0.362	0.039
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	DSI 4	633334	3500.01	22.44	10	23.00	0.08	0.324	0.037
	FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI 4	633334	3500.01	22.68	10	23.00	-0.07	0.444	0.048
	FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI 4	633334	3500.01	22.44	10	23.00	0.02	0.409	0.047
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI 3	650000	3750	17.59	10	26.00	0.01	0.047	0.033
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI 3	650000	3750	17.30	10	26.00	0.02	0.035	0.026
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 3	650000	3750	17.59	10	26.00	0.02	0.934	0.648
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	Headset	DSI 3	650000	3750	17.59	10	26.00	0.01	0.821	0.569
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 3	650000	3750	17.30	10	26.00	0.07	0.619	0.459
	FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 3	650000	3750	17.39	10	26.00	-0.05	0.545	0.396
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	18mm	Ant 7	-	DSI 4	650000	3750	25.73	10	26.00	0.01	0.009	0.001
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	21mm	Ant 7	-	DSI 4	650000	3750	25.73	10	26.00	-0.14	0.097	0.010
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI 3	633334	3500.01	17.84	10	26.00	0.08	0.057	0.037
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	DSI 3	633334	3500.01	17.57	10	26.00	0.02	0.061	0.042
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 3	633334	3500.01	17.84	10	26.00	0.06	0.994	0.651
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	Headset	DSI 3	633334	3500.01	17.84	10	26.00	0.01	0.811	0.531
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 3	633334	3500.01	17.57	10	26.00	0.06	0.887	0.618

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**FCC SAR Test Report**

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FR1 n78-PC2 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 3	633334	3500.01	17.66	10	26.00	0.11	0.788	0.538	
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	18mm	Ant 7	-	DSI 4	633334	3500.01	25.64	10	26.00	-0.14	0.011	0.001	
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	21mm	Ant 7	-	DSI 4	633334	3500.01	25.64	10	26.00	-0.03	0.066	0.007	
FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI 3	650000	3750	19.27	10	21.90	0.01	0.181	0.033	
FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI 3	650000	3750	19.04	10	21.90	0.06	0.102	0.020	
FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI 3	650000	3750	19.27	10	21.90	0.02	0.727	0.133	
FR1 n78 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI 3	650000	3750	19.04	10	21.90	0.13	0.610	0.118	
FR1 n78 Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI 3	650000	3750	19.07	10	21.90	0.17	0.469	0.090	
FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Front	18mm	Ant 8	-	DSI 4	650000	3750	22.00	10	21.90	0.08	0.006	0.001	
FR1 n78 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	21mm	Ant 8	-	DSI 4	650000	3750	22.00	10	21.90	0.14	0.085	0.008	
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI 3	633334	3500.01	19.38	10	21.90	-0.06	0.107	0.019	
FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	DSI 3	633334	3500.01	19.22	10	21.90	-0.13	0.125	0.023	
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI 3	633334	3500.01	19.38	10	21.90	-0.08	0.916	0.164	
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	Headset	DSI 3	633334	3500.01	19.38	10	21.90	0.03	0.815	0.146	
FR1 n78 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI 3	633334	3500.01	19.22	10	21.90	-0.07	0.821	0.152	
FR1 n78 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI 3	633334	3500.01	19.20	10	21.90	-0.14	0.722	0.134	
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Front	18mm	Ant 8	-	DSI 4	633334	3500.01	22.19	10	21.90	0.14	0.003	0.000	
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	21mm	Ant 8	-	DSI 4	633334	3500.01	22.19	10	21.90	0.12	0.122	0.011	
Smart Folio mode																			
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	DSI 4	633334	3500.01	22.68	10	23.00	-0.07	0.325	0.035	
FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 3	633334	3500.01	17.84	10	26.00	-0.07	0.794	0.520	
FR1 n78 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	-	DSI 3	633334	3500.01	19.38	10	21.90	-0.08	0.734	0.131	





Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>WLAN/Bluetooth</b>																	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+6	-	Standalone	11	2462	21.50	23.00	1.412	97.87	1.022	0.05	0.671	0.968
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 4+6	-	Standalone	1	2412	21.70	23.00	1.350	97.87	1.022	0.01	0.460	0.635
73	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+6	-	Standalone	11	2462	21.50	23.00	1.412	97.87	1.022	-0.01	0.784	1.131
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+6	-	Standalone	1	2412	21.70	23.00	1.350	97.87	1.022	-0.15	0.532	0.734
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+6	-	DBS Only	11	2462	19.14	20.50	1.367	97.87	1.022	0.04	0.511	0.714
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+6	-	WWAN+WLAN	11	2462	18.05	19.50	1.397	97.87	1.022	-0.08	0.388	0.554
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+6	-	WWAN+DBS	11	2462	15.33	17.00	1.470	97.87	1.022	0.06	0.188	0.282
	WLAN2.4GHz	802.11b 1Mbps	Front	18mm	Ant 4+6	-	Full Power	11	2462	22.11	23.50	1.377	97.87	1.022	0.03	0.095	0.134
	WLAN2.4GHz	802.11b 1Mbps	Back	21mm	Ant 4+6	-	Full Power	11	2462	22.11	23.50	1.377	97.87	1.022	0.01	0.102	0.144
<b>Smart Folio mode</b>																	
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 4+6	-	Standalone	11	2462	21.50	23.00	1.412	97.87	1.022	0.07	0.561	0.809
	Bluetooth	1Mbps	Front	5mm	Ant 4	-	Standalone	0	2402	13.53	14.00	1.115	76.79	1.302	0.18	0.088	0.128
	Bluetooth	1Mbps	Back	5mm	Ant 4	-	Standalone	0	2402	13.53	14.00	1.115	76.79	1.302	0.09	0.118	0.171
	Bluetooth	1Mbps	Front	5mm	Ant 6	-	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	0.19	0.001	0.002
74	Bluetooth	1Mbps	Back	5mm	Ant 6	-	Full Power	78	2480	15.32	16.50	1.314	76.82	1.302	-0.1	0.188	0.322
<b>Smart Folio mode</b>																	
	Bluetooth	1Mbps	Back	5mm	Ant 4	-	Standalone	0	2402	13.53	14.00	1.115	76.79	1.302	0.09	-0.05	0.101
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+6	-	Standalone	58	5290	15.77	17.50	1.489	100	1.000	0.03	0.439	0.654
75	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	-	Standalone	58	5290	15.77	17.50	1.489	100	1.000	0.09	0.758	1.129
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	-	DBS Only	58	5290	13.81	15.50	1.476	100	1.000	-0.07	0.508	0.749
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	-	WWAN+WLAN+WWAN+DBS	58	5290	10.59	11.50	1.233	100	1.000	0.08	0.182	0.224
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	18mm	Ant 5+6	-	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.01	0.072	0.114
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	21mm	Ant 5+6	-	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.03	0.219	0.347
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+6	-	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.03	0.403	0.551
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+6	-	Standalone	134	5670	19.40	21.00	1.447	100	1.000	-0.06	0.355	0.514
76	WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.08	0.873	1.195
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	134	5670	19.40	21.00	1.447	100	1.000	0.01	0.690	0.998
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	-	DBS Only	106	5530	17.23	19.00	1.503	100	1.000	0.13	0.491	0.738
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	-	WWAN+WLAN+WWAN+DBS	106	5530	13.10	14.50	1.382	100	1.000	0.07	0.200	0.276
	WLAN5.5GHz	802.11a 6Mbps	Front	18mm	Ant 5+6	-	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.05	0.100	0.139
	WLAN5.5GHz	802.11a 6Mbps	Back	21mm	Ant 5+6	-	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.04	0.251	0.349
<b>Smart Folio mode</b>																	
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.05	0.708	0.969
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+6	-	Standalone	159	5795	19.60	21.00	1.380	100	1.000	0.09	0.424	0.585
77	WLAN5.8GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	159	5795	19.60	21.00	1.380	100	1.000	0.01	0.863	1.191
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	151	5755	19.54	21.00	1.398	100	1.000	0.11	0.774	1.082
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	-	DBS Only	155	5775	17.16	19.00	1.528	100	1.000	0.07	0.465	0.710
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+6	-	WWAN+WLAN+WWAN+DBS	155	5775	12.30	14.00	1.480	100	1.000	0.03	0.192	0.284
	WLAN5.8GHz	802.11a 6Mbps	Front	18mm	Ant 5+6	-	Full Power	165	5825	21.31	22.50	1.315	100	1.000	0.01	0.098	0.129
	WLAN5.8GHz	802.11a 6Mbps	Back	21mm	Ant 5+6	-	Full Power	165	5825	21.31	22.50	1.315	100	1.000	0.03	0.311	0.409



16.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	
<b>835MHz</b>																			
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	189	836.4	28.28	29.50	1.324	0.17	1.310	1.735	
78	GSM850	-	-	-	-	GPRS (3 Tx slots)	Top Side	0mm	Ant 1	DSI 6	189	836.4	28.05	29.50	1.396	0.14	1.250	<b>1.745</b>	
79	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4182	836.4	23.99	25.00	1.262	0.07	1.540	<b>1.943</b>	
<b>1750MHz</b>																			
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1413	1732.6	20.77	21.80	1.268	-0.13	1.670	2.117	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1312	1712.4	20.71	21.80	1.285	-0.17	1.470	1.889	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1513	1752.6	20.61	21.80	1.315	0.11	1.690	2.223	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1413	1732.6	20.77	21.80	1.268	0.02	1.850	2.345	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1312	1712.4	20.71	21.80	1.285	-0.02	1.630	2.095	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1513	1752.6	20.61	21.80	1.315	0.12	1.830	2.407	
80	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	20.77	21.80	1.268	-0.01	2.470	<b>3.131</b>	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1312	1712.4	20.71	21.80	1.285	0.14	1.930	2.481	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1513	1752.6	20.61	21.80	1.315	0.04	1.930	2.538	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6 Simultaneous	1413	1732.6	19.78	20.80	1.265	-0.07	1.790	2.264	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 0	DSI 4	1513	1752.6	24.14	25.00	1.219	-0.1	0.329	0.401	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 0	DSI 4	1513	1752.6	24.14	25.00	1.219	-0.12	0.681	0.830	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	14mm	Ant 0	DSI 4	1413	1732.6	24.23	25.00	1.194	-0.18	0.893	1.066	
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	132322	1745	20.34	21.30	1.247	0.03	1.220	1.522	
	LTE Band 66(4)	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	132322	1745	20.18	21.30	1.294	0.01	0.951	1.231	
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	20.34	21.30	1.247	0.01	1.120	1.397	
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	20.18	21.30	1.294	0.03	0.764	0.989	
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	20.34	21.30	1.247	0.04	2.090	2.607	
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132072	1720	20.30	21.30	1.259	0.06	2.030	2.556	
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132572	1770	19.96	21.30	1.361	-0.06	2.210	3.009	
	LTE Band 66(4)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	20.18	21.30	1.294	0.07	1.700	2.200	
	LTE Band 66(4)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	132072	1720	19.98	21.30	1.355	0.15	1.550	2.101	
	LTE Band 66(4)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	132572	1770	19.95	21.30	1.365	0.16	1.680	2.292	
	LTE Band 66(4)	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	20.12	21.30	1.312	0.17	1.500	1.968	
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6 Simultaneous	132572	1770	18.98	20.30	1.355	-0.05	1.770	2.399	
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	9mm	Ant 0	DSI 4	132322	1745	23.15	24.00	1.216	0.07	0.817	0.994	
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	12mm	Ant 0	DSI 4	132322	1745	23.15	24.00	1.216	0.09	0.622	0.756	
	LTE Band 66(4)	20M	QPSK	1	0	-	Bottom Side	14mm	Ant 0	DSI 4	132572	1770	22.89	24.00	1.291	0.05	0.831	1.073	
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	132322	1745	20.06	21.40	1.361	-0.09	1.530	2.083	
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	132072	1720	19.99	21.40	1.384	0.05	1.550	2.145	
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	132572	1770	20.01	21.40	1.377	0.14	1.670	2.300	
	LTE Band 66(4)	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	132322	1745	20.03	21.40	1.371	0.08	1.290	1.768	
	LTE Band 66(4)	20M	QPSK	100	0	-	Front	0mm	Ant 1	DSI 6	132322	1745	19.98	21.40	1.387	0.03	1.280	1.775	
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	132322	1745	20.06	21.40	1.361	-0.1	1.200	1.634	
	LTE Band 66(4)	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	132322	1745	20.03	21.40	1.371	0.15	1.050	1.439	
81	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	20.06	21.40	1.361	-0.03	2.290	<b>3.118</b>	
	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132072	1720	19.99	21.40	1.384	-0.02	2.110	2.919	
	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132572	1770	20.01	21.40	1.377	0.02	2.120	2.920	
	LTE Band 66(4)	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	20.03	21.40	1.371	0.06	1.770	2.426	
	LTE Band 66(4)	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132072	1720	19.93	21.40	1.403	-0.12	1.840	2.581	
	LTE Band 66(4)	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132572	1770	20.00	21.40	1.380	-0.09	1.740	2.402	
	LTE Band 66(4)	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	19.98	21.40	1.387	-0.06	1.780	2.468	
	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6 Simultaneous	132322	1745	18.52	19.90	1.374	-0.03	1.670	2.295	
	LTE Band 66(4)	20M	QPSK	1	0	-	Front	9mm	Ant 1	DSI 4	132572	1770	22.01	23.00	1.256	0.04	0.731	0.918	
	LTE Band 66(4)	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	132322	1745	22.05	23.00	1.245	0.06	0.644	0.801	
	LTE Band 66(4)	20M	QPSK	1	0	-	Top Side	13mm	Ant 1	DSI 4	132322	1745	22.05	23.00	1.245	-0.08	0.715	0.890	



# FCC SAR Test Report

Report No. : FA192317

	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 6	349000	1745	19.77	21.00	1.327	-0.14	1.560	2.071
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 6	349000	1745	19.75	21.00	1.334	0.09	1.740	2.320
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 6	349000	1745	19.64	21.00	1.368	-0.03	1.670	2.284
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	349000	1745	19.77	21.00	1.327	0.08	1.320	1.752
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	349000	1745	19.75	21.00	1.334	0.08	1.480	1.974
82	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.77	21.00	1.327	-0.06	2.340	3.106
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.75	21.00	1.334	0.1	2.230	2.974
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	349000	1745	19.64	21.00	1.368	0.09	2.270	3.105
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6 Simultaneous	349000	1745	18.73	20.00	1.340	-0.07	1.630	2.184
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	9mm	Ant 1	DSI 4	349000	1745	23.62	24.00	1.091	0.16	0.719	0.785
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	9mm	Ant 1	DSI 4	349000	1745	23.56	24.00	1.107	-0.06	0.723	0.800
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 1	DSI 4	349000	1745	23.62	24.00	1.091	-0.14	0.561	0.612
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	12mm	Ant 1	DSI 4	349000	1745	23.56	24.00	1.107	0.07	0.617	0.683
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	13mm	Ant 1	DSI 4	349000	1745	23.62	24.00	1.091	0.09	0.730	0.797

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	
<b>1900MHz</b>																			
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	0mm	Ant 0	DSI 6	661	1880	25.07	26.00	1.239	0.09	1.740	2.156	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	0mm	Ant 0	DSI 6	512	1850.2	24.95	26.00	1.274	0.04	2.230	2.840	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	0mm	Ant 0	DSI 6	810	1909.8	24.90	26.00	1.288	0.05	1.990	2.564	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	661	1880	25.07	26.00	1.239	0.05	2.000	2.478	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	512	1850.2	24.95	26.00	1.274	0.04	2.340	2.980	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	810	1909.8	24.90	26.00	1.288	0.09	2.020	2.602	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 0	DSI 6	661	1880	25.07	26.00	1.239	0.05	1.660	2.056	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 0	DSI 6	512	1850.2	24.95	26.00	1.274	0.03	1.730	2.203	
83	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 0	DSI 6	810	1909.8	24.90	26.00	1.288	0.06	2.410	3.105	
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	DSI 6 Simultaneous	810	1909.8	22.33	23.70	1.371	0.06	1.750	2.399	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	9mm	Ant 0	DSI 4	512	1850.2	25.33	26.50	1.309	0.07	0.505	0.661	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	12mm	Ant 0	DSI 4	512	1850.2	25.33	26.50	1.309	0.12	0.419	0.549	
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	14mm	Ant 0	DSI 4	810	1909.8	25.19	26.50	1.352	0.13	0.504	0.681	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9400	1880	20.25	21.20	1.245	0.04	1.350	1.680	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9400	1880	20.25	21.20	1.245	0.05	1.520	1.892	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9400	1880	20.25	21.20	1.245	0.05	1.660	2.066	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9262	1852.4	20.19	21.20	1.262	0.12	2.110	2.662	
84	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9538	1907.6	20.21	21.20	1.256	0.01	2.490	3.128	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6 Simultaneous	9538	1907.6	18.69	19.70	1.262	0.08	1.750	2.208	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 0	DSI 4	9400	1880	24.24	25.00	1.191	0.04	0.733	0.873	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	12mm	Ant 0	DSI 4	9400	1880	24.24	25.00	1.191	0.07	0.577	0.687	
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	14mm	Ant 0	DSI 4	9538	1907.6	24.18	25.00	1.208	-0.06	0.925	1.117	
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	26340	1880	22.51	23.50	1.256	0.05	1.430	1.796	
	LTE Band 25(2)	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	26340	1880	22.05	23.50	1.396	0.04	1.130	1.578	
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	26340	1880	22.51	23.50	1.256	0.08	1.500	1.884	
	LTE Band 25(2)	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	26340	1880	22.05	23.50	1.396	0.18	1.220	1.704	
	LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26340	1880	22.51	23.50	1.256	0.09	2.200	2.763	
85	LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26140	1860	22.22	23.50	1.343	-0.1	2.340	3.142	
	LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26590	1905	22.31	23.50	1.315	0.05	2.120	2.788	
	LTE Band 25(2)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	26340	1880	22.05	23.50	1.396	-0.19	1.740	2.430	
	LTE Band 25(2)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	26140	1860	21.97	23.50	1.422	-0.09	1.880	2.674	
	LTE Band 25(2)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	26590	1905	22.00	23.50	1.413	0.03	1.660	2.345	
	LTE Band 25(2)	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI 6	26340	1880	22.02	23.50	1.406	-0.09	1.710	2.404	
	LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6 Simultaneous	26140	1860	20.78	22.00	1.324	-0.07	1.710	2.265	
	LTE Band 25(2)	20M	QPSK	1	0	-	Front	9mm	Ant 0	DSI 4	26340	1880	22.89	24.00	1.291	0.09	0.855	1.104	
	LTE Band 25(2)	20M	QPSK	1	0	-	Back	12mm	Ant 0	DSI 4	26340	1880	22.89	24.00	1.291	-0.18	0.680	0.878	

Sporton International (Kunshan) Inc.

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**FCC SAR Test Report**

**Report No. : FA192317**

LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	14mm	Ant 0	DSI 4	26140	1860	22.80	24.00	1.318	0.04	1.030	1.358
LTE Band 25(2)	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	26340	1880	22.11	23.50	1.377	0.02	1.090	1.501
LTE Band 25(2)	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	26340	1880	21.83	23.00	1.309	0.14	0.895	1.172
LTE Band 25(2)	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	26340	1880	22.11	23.50	1.377	0.11	0.984	1.355
LTE Band 25(2)	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	26340	1880	21.83	23.00	1.309	0.07	0.774	1.013
LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	22.11	23.50	1.377	-0.08	2.160	2.975
LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	26140	1860	22.01	23.50	1.409	-0.08	2.220	3.129
LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	26590	1905	22.03	23.50	1.403	-0.04	2.190	3.072
LTE Band 25(2)	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	21.83	23.00	1.309	-0.09	1.730	2.265
LTE Band 25(2)	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	26140	1860	21.73	23.00	1.340	0.1	1.750	2.344
LTE Band 25(2)	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	26590	1905	21.75	23.00	1.334	0.01	1.780	2.374
LTE Band 25(2)	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	26340	1880	21.79	23.00	1.321	-0.1	1.760	2.325
LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6 Simultaneous	26140	1860	20.51	22.00	1.409	0.05	1.680	2.368
LTE Band 25(2)	20M	QPSK	1	0	-	Front	9mm	Ant 1	DSI 4	26340	1880	23.28	24.00	1.180	-0.01	0.435	0.513
LTE Band 25(2)	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	26340	1880	23.28	24.00	1.180	0.02	0.360	0.425
LTE Band 25(2)	20M	QPSK	1	0	-	Top Side	13mm	Ant 1	DSI 4	26140	1860	23.13	24.00	1.222	0.09	0.504	0.616
Smart Folio mode																	
LTE Band 25(2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26140	1860	22.22	23.50	1.343	-0.05	2.060	2.766

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
2600MHz																				
LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	21100	2535	23.46	24.00	1.132	-	-	-0.06	1.460	1.653	
LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	21100	2535	23.44	24.00	1.138	-	-	-0.06	1.180	1.342	
LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	21100	2535	23.46	24.00	1.132	-	-	0.12	2.110	2.389	
LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	20850	2510	23.21	24.00	1.199	-	-	0.01	2.300	2.759	
LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	21350	2560	23.40	24.00	1.148	-	-	-0.05	2.250	2.583	
LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	21100	2535	23.44	24.00	1.138	-	-	0.08	1.880	2.139	
LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	20850	2510	23.31	24.00	1.172	-	-	0.18	1.890	2.215	
LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	21350	2560	23.38	24.00	1.153	-	-	0.15	1.830	2.111	
LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 0	DSI 6	21100	2535	23.40	24.00	1.148	-	-	0.08	1.850	2.124	
LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	23.46	24.00	1.132	-	-	-0.08	2.480	2.808	
LTE Band 7C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	21100+21298	2535+2554.8	23.32	24.00	1.169	-	-	0.03	2.110	2.468	
LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	20850	2510	23.21	24.00	1.199	-	-	0.07	2.300	2.759	
LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	21350	2560	23.40	24.00	1.148	-	-	0.03	2.250	2.583	
LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	23.44	24.00	1.138	-	-	0.1	2.000	2.275	
LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	20850	2510	23.31	24.00	1.172	-	-	-0.02	1.870	2.192	
LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	21350	2560	23.38	24.00	1.153	-	-	0.07	1.990	2.295	
LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	23.40	24.00	1.148	-	-	0.09	2.000	2.296	
LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6 Simultaneous	21100	2535	22.09	22.90	1.205	-	-	0.06	1.730	2.085	
LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	19.75	20.70	1.245	-	-	-0.15	1.170	1.456	
LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	19.59	20.70	1.291	-	-	0.07	0.958	1.237	
LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	21100	2535	19.75	20.70	1.245	-	-	-0.15	1.190	1.481	
LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	21100	2535	19.59	20.70	1.291	-	-	-0.19	0.970	1.252	
LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	21100	2535	19.75	20.70	1.245	-	-	0.14	2.260	2.813	
LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	20850	2510	19.65	20.70	1.274	-	-	0.03	2.360	3.005	
86	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	21350	2560	19.70	20.70	1.259	-	-	-0.09	2.470	3.110
LTE Band 7C	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	21350+21152	2560+2579.8	19.63	20.70	1.279	-	-	0.03	2.010	2.572	
LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	21100	2535	19.59	20.70	1.291	-	-	0.04	1.990	2.570	
LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	20850	2510	19.45	20.70	1.334	-	-	0.01	1.930	2.574	
LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	21350	2560	19.55	20.70	1.303	-	-	0.08	1.990	2.593	
LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	21100	2535	19.58	20.70	1.294	-	-	0.12	2.000	2.588	
LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6 Simultaneous	21350	2560	18.11	19.20	1.285	-	-	-0.07	1.730	2.224	
LTE Band 7	20M	QPSK	1	0	-	Front	9mm	Ant 1	DSI 4	21100	2535	22.71	24.00	1.346	-	-	-0.14	0.413	0.556	
LTE Band 7	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	21100	2535	22.71	24.00	1.346	-	-	-0.13	0.383	0.515	

Sporton International (Kunshan) Inc.

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**FCC SAR Test Report**

**Report No. : FA192317**

	LTE Band 7	20M	QPSK	1	0	-	Top Side	13mm	Ant 1	DSI 4	21350	2560	22.67	24.00	1.358	-	-	-0.09	0.556	0.755
	LTE Band 38	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	38000	2595	23.49	24.00	1.125	62.9	1.006	-0.02	0.805	0.911
	LTE Band 38	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	38000	2595	23.43	24.00	1.140	62.9	1.006	0.09	0.913	1.159
	LTE Band 38	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	38000	2595	23.49	24.00	1.125	62.9	1.006	0.03	1.370	1.550
	LTE Band 38	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	38000	2595	23.43	24.00	1.140	62.9	1.006	-0.09	1.320	1.514
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	38000	2595	23.49	24.00	1.125	62.9	1.006	-0.08	1.140	1.414
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	38000	2595	23.43	24.00	1.140	62.9	1.006	0.02	1.040	1.193
	LTE Band 38-PC2	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	38000	2595	26.41	27.00	1.146	42.9	1.009	0.07	1.660	1.919
	LTE Band 38	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	38000	2595	21.98	23.30	1.355	62.9	1.006	0.04	0.834	1.137
	LTE Band 38	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	38000	2595	21.96	23.30	1.361	62.9	1.006	0.05	0.953	1.305
	LTE Band 38	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	38000	2595	21.98	23.30	1.355	62.9	1.006	-0.08	1.110	1.513
	LTE Band 38	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	38000	2595	21.96	23.30	1.361	62.9	1.006	0.12	1.120	1.534
	LTE Band 38	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	38000	2595	21.98	23.30	1.355	62.9	1.006	0.16	1.950	2.658
	LTE Band 38	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	37850	2580	21.73	23.30	1.435	62.9	1.006	0.05	1.980	2.859
	LTE Band 38	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	38150	2610	21.72	23.30	1.439	62.9	1.006	0.06	2.030	2.938
87	LTE Band 38-PC2	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	38150	2610	23.82	24.90	1.282	42.9	1.009	-0.03	2.420	<b>3.131</b>
	LTE Band 38	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	38000	2595	21.96	23.30	1.361	62.9	1.006	-0.01	1.970	2.698
	LTE Band 38	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	37850	2580	21.73	23.30	1.435	62.9	1.006	-0.06	1.980	2.859
	LTE Band 38	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	38150	2610	21.83	23.30	1.403	62.9	1.006	0.04	1.990	2.808
	LTE Band 38	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	38000	2595	21.93	23.30	1.371	62.9	1.006	0.01	2.000	2.758
	LTE Band 38	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6 Simultaneous	38150	2610	20.32	21.80	1.406	62.9	1.006	0.11	1.610	2.277
	LTE Band 38-PC2	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6 Simultaneous	38150	2610	22.34	23.40	1.276	42.9	1.009	-0.05	1.800	2.318
	LTE Band 38	20M	QPSK	1	0	-	Front	9mm	Ant 1	DSI 4	38000	2595	22.89	24.00	1.291	62.9	1.006	-0.18	0.197	0.256
	LTE Band 38	20M	QPSK	50	0	-	Front	9mm	Ant 1	DSI 4	38000	2595	22.85	24.00	1.303	62.9	1.006	0.02	0.165	0.216
	LTE Band 38	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	38000	2595	22.89	24.00	1.291	62.9	1.006	-0.03	0.220	0.286
	LTE Band 38	20M	QPSK	50	0	-	Back	12mm	Ant 1	DSI 4	38000	2595	22.85	24.00	1.303	62.9	1.006	0.09	0.215	0.282
	LTE Band 38	20M	QPSK	1	0	-	Top Side	13mm	Ant 1	DSI 4	38150	2610	22.72	24.00	1.343	62.9	1.006	0.16	0.351	0.474
	LTE Band 38-PC2	20M	QPSK	1	0	-	Front	9mm	Ant 1	DSI 4	38000	2595	25.68	26.50	1.208	42.9	1.009	-0.18	0.201	0.245
	LTE Band 38-PC2	20M	QPSK	50	0	-	Front	9mm	Ant 1	DSI 4	38000	2595	25.56	26.50	1.242	42.9	1.009	0.03	0.188	0.236
	LTE Band 38-PC2	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	38000	2595	25.68	26.50	1.208	42.9	1.009	-0.03	0.239	0.291
	LTE Band 38-PC2	20M	QPSK	50	0	-	Back	12mm	Ant 1	DSI 4	38000	2595	25.56	26.50	1.242	42.9	1.009	0.05	0.233	0.292
	LTE Band 38-PC2	20M	QPSK	1	0	-	Top Side	13mm	Ant 1	DSI 4	38150	2610	25.50	26.50	1.259	42.9	1.009	0.16	0.391	0.497
Smart Folio mode																				
	LTE Band 38-PC2	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	38150	2610	23.82	24.90	1.282	42.9	1.009	-0.08	2.120	2.743
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	40620	2593	23.64	24.00	1.086	62.9	1.006	0.18	1.520	1.661
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	39750	2506	23.28	24.00	1.180	62.9	1.006	0.02	1.580	1.876
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	40185	2549.5	23.14	24.00	1.219	62.9	1.006	0.02	1.340	1.643
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	41055	2636.5	23.33	24.00	1.167	62.9	1.006	0.04	1.110	1.303
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	41490	2680	23.53	24.00	1.114	62.9	1.006	-0.03	0.991	1.111
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	40620	2593	23.35	24.00	1.161	62.9	1.006	0.03	1.140	1.332
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant 0	DSI 6	40620	2593	23.34	24.00	1.164	62.9	1.006	-0.02	1.050	1.230
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	40620	2593	23.64	24.00	1.086	62.9	1.006	0.08	1.890	2.066
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	39750	2506	23.28	24.00	1.180	62.9	1.006	-0.05	1.910	2.268
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	40185	2549.5	23.14	24.00	1.219	62.9	1.006	0.06	1.850	2.269
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	41055	2636.5	23.33	24.00	1.167	62.9	1.006	0.09	1.940	2.277
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	41490	2680	23.53	24.00	1.114	62.9	1.006	0.06	1.830	2.051
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	40620	2593	23.35	24.00	1.161	62.9	1.006	-0.07	1.670	1.951
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	39750	2506	23.17	24.00	1.211	62.9	1.006	0.05	1.710	2.083
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	40185	2549.5	23.14	24.00	1.219	62.9	1.006	0.09	1.700	2.085
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	41055	2636.5	23.20	24.00	1.202	62.9	1.006	-0.19	1.550	1.875
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	41490	2680	23.34	24.00	1.164	62.9	1.006	0.08	1.480	1.733
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 0	DSI 6	40620	2593	23.34	24.00	1.164	62.9	1.006	0.03	1.670	1.956
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	23.64	24.00	1.086	62.9	1.006	-0.02	2.250	2.459
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	39750	2506	23.28	24.00	1.180	62.9	1.006	0.07	2.070	2.458
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	40185	2549.5	23.14	24.00	1.219	62.9	1.006	0.09	1.880	2.305



**FCC SAR Test Report**

**Report No. : FA192317**

	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	41055	2636.5	23.33	24.00	1.167	62.9	1.006	0.18	1.990	2.336
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	41490	2680	23.53	24.00	1.114	62.9	1.006	0.18	1.880	2.107
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	23.35	24.00	1.161	62.9	1.006	0.04	1.800	2.103
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	39750	2506	23.17	24.00	1.211	62.9	1.006	-0.18	1.650	2.009
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	40185	2549.5	23.14	24.00	1.219	62.9	1.006	-0.1	1.620	1.987
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	41055	2636.5	23.20	24.00	1.202	62.9	1.006	0.06	1.670	2.020
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	41490	2680	23.34	24.00	1.164	62.9	1.006	-0.08	1.600	1.874
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	23.34	24.00	1.164	62.9	1.006	0.07	1.720	2.014
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6 Simultaneous	40620	2593	23.24	23.50	1.062	62.9	1.006	-0.07	1.620	1.730
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	40620	2593	21.65	22.80	1.303	62.9	1.006	-0.13	1.060	1.390
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	40620	2593	21.56	22.80	1.330	62.9	1.006	0.04	1.030	1.379
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	40620	2593	21.65	22.80	1.303	62.9	1.006	0.11	1.090	1.429
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	40620	2593	21.56	22.80	1.330	62.9	1.006	-0.07	1.060	1.419
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	21.65	22.80	1.303	62.9	1.006	-0.1	2.350	3.081
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	39750	2506	21.29	22.80	1.416	62.9	1.006	-0.05	2.140	3.048
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	40185	2549.5	21.38	22.80	1.387	62.9	1.006	-0.11	2.130	2.972
88	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	41055	2636.5	21.62	22.80	1.312	62.9	1.006	-0.03	2.370	<b>3.129</b>
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	41490	2680	21.46	22.80	1.361	62.9	1.006	-0.09	2.170	2.972
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	21.56	22.80	1.330	62.9	1.006	-0.15	1.920	2.570
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	39750	2506	21.28	22.80	1.419	62.9	1.006	-0.05	1.850	2.641
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	40185	2549.5	21.51	22.80	1.346	62.9	1.006	-0.18	1.910	2.586
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	41055	2636.5	21.36	22.80	1.393	62.9	1.006	-0.11	1.900	2.663
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	41490	2680	21.45	22.80	1.365	62.9	1.006	0.07	1.880	2.581
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	40620	2593	21.54	22.80	1.337	62.9	1.006	-0.03	1.930	2.595
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6 Simultaneous	41055	2636.5	20.13	21.30	1.309	62.9	1.006	-0.07	1.690	2.226
	LTE Band 41	20M	QPSK	1	0	-	Front	9mm	Ant 1	DSI 4	40620	2593	22.98	24.00	1.265	62.9	1.006	0.13	0.198	0.252
	LTE Band 41	20M	QPSK	1	0	-	Back	12mm	Ant 1	DSI 4	40620	2593	22.98	24.00	1.265	62.9	1.006	0.07	0.211	0.268
	LTE Band 41	20M	QPSK	1	0	-	Top Side	13mm	Ant 1	DSI 4	41055	2636.5	22.56	24.00	1.393	62.9	1.006	0.03	0.323	0.453
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	507000	2535	22.84	24.00	1.306	-	-	0.04	1.480	1.933
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	507000	2535	22.71	24.00	1.346	-	-	-0.12	1.320	1.777
89	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	507000	2535	22.84	24.00	1.306	-	-	0.06	2.380	<b>3.109</b>
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	507000	2535	22.71	24.00	1.346	-	-	0.06	2.190	2.947
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	507000	2535	22.32	24.00	1.472	-	-	0.05	2.110	3.107
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	22.84	24.00	1.306	-	-	0.04	1.710	2.234
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	22.71	24.00	1.346	-	-	0.03	1.590	2.140
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	22.32	24.00	1.472	-	-	-0.07	1.620	2.385
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6 Simultaneous	507000	2535	21.48	22.50	1.265	-	-	0.04	1.750	2.213
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 6	507000	2535	19.33	20.70	1.371	-	-	0.02	1.130	1.549
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	DSI 6	507000	2535	19.31	20.70	1.377	-	-	0.14	1.180	1.625
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	507000	2535	19.33	20.70	1.371	-	-	-0.05	1.100	1.508
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	507000	2535	19.31	20.70	1.377	-	-	-0.13	1.150	1.584
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	507000	2535	19.33	20.70	1.371	-	-	0.09	2.250	3.084
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	507000	2535	19.31	20.70	1.377	-	-	0.08	2.030	2.796
	FR1 n7	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	507000	2535	19.24	20.70	1.400	-	-	-0.12	2.000	2.799
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6 Simultaneous	507000	2535	18.27	19.70	1.390	-	-	-0.02	1.680	2.335
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Front	9mm	Ant 1	DSI 4	507000	2535	23.60	24.00	1.096	-	-	-0.11	0.457	0.501
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 1	DSI 4	507000	2535	23.60	24.00	1.096	-	-	0.03	0.428	0.469
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	13mm	Ant 1	DSI 4	507000	2535	23.60	24.00	1.096	-	-	0.16	0.549	0.602
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 1	DSI 6	519000	2595	20.05	21.10	1.274	-	-	0.05	1.530	1.948
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Front	0mm	Ant 1	DSI 6	519000	2595	20.03	21.10	1.279	-	-	0.13	1.400	1.791
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 6	519000	2595	20.05	21.10	1.274	-	-	-0.02	1.610	2.050
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 6	519000	2595	20.03	21.10	1.279	-	-	0.02	1.570	2.009
	FR1 n38	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 1	DSI 6	519000	2595	19.87	21.10	1.327	-	-	0.04	1.250	1.659
90	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI 6	519000	2595	20.05	21.10	1.274	-	-	0.04	2.450	<b>3.120</b>
	FR1 n38	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI 6	519000	2595	20.03	21.10	1.279	-	-	-0.04	2.200	2.815



# FCC SAR Test Report

Report No. : FA192317

FR1 n38	40M	QPSK	100	0	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI 6	519000	2595	19.87	21.10	1.327	-	-	-0.03	1.750	2.323
FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI 6 Simultaneous	519000	2595	18.52	19.60	1.282	-	-	0.01	1.750	2.244
FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	9mm	Ant 1	DSI 4	519000	2595	23.55	24.00	1.109	-	-	0.08	0.451	0.500
FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	12mm	Ant 1	DSI 4	519000	2595	23.55	24.00	1.109	-	-	0.06	0.480	0.532
FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	13mm	Ant 1	DSI 4	519000	2595	23.55	24.00	1.109	-	-	-0.13	0.769	0.853

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
<b>3500~3900MHz</b>																				
91	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	42590	3500	19.62	20.80	1.312	62.9	1.006	0.14	2.370	<b>3.129</b>
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	42190	3460	19.51	20.80	1.346	62.9	1.006	0.03	2.310	3.128
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	42990	3540	19.33	20.80	1.403	62.9	1.006	0.01	2.090	2.949
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	42590	3500	19.59	20.80	1.321	62.9	1.006	0.16	2.260	3.004
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	42190	3460	19.54	20.80	1.337	62.9	1.006	0.09	2.210	2.972
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	42990	3540	19.44	20.80	1.368	62.9	1.006	0.11	2.190	3.013
	LTE Band 42 Part27Q	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI 6	42590	3500	19.57	20.80	1.327	62.9	1.006	0.15	2.210	2.951
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	DSI 6	42590	3500	19.62	20.80	1.312	62.9	1.006	-0.11	0.745	0.983
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	DSI 6	42590	3500	19.59	20.80	1.321	62.9	1.006	0.18	0.733	0.974
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6 Simultaneous	42590	3500	18.13	19.30	1.309	62.9	1.006	-0.06	1.710	2.252
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	17mm	Ant 2	DSI 4	42590	3500	22.03	23.00	1.250	62.9	1.006	-0.01	0.190	0.239
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Left Side	19mm	Ant 2	DSI 4	42590	3500	22.03	23.00	1.250	62.9	1.006	-0.11	0.150	0.189
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	56150	3641	19.81	21.10	1.346	62.9	1.006	-0.19	1.990	2.694
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	55340	3560	19.77	21.10	1.358	62.9	1.006	0.06	2.130	2.911
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	55830	3609	19.69	21.10	1.384	62.9	1.006	0.04	2.100	2.923
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 2	DSI 6	56640	3690	19.69	21.10	1.384	62.9	1.006	-0.08	2.000	2.784
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	56150	3641	19.68	21.10	1.387	62.9	1.006	-0.08	2.130	2.972
92	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	55340	3560	19.63	21.10	1.403	62.9	1.006	-0.02	2.290	<b>3.232</b>
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	55830	3609	19.60	21.10	1.413	62.9	1.006	0.16	2.040	2.899
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6	56640	3690	19.60	21.10	1.413	62.9	1.006	0.06	2.050	2.913
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 2	DSI 6	56150	3641	19.61	21.10	1.409	62.9	1.006	-0.16	2.110	2.991
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	DSI 6	56150	3641	19.81	21.10	1.346	62.9	1.006	0.01	0.845	1.144
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	DSI 6	56150	3641	19.68	21.10	1.387	62.9	1.006	0.02	0.805	1.123
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 2	DSI 6 Simultaneous	55340	3560	18.17	19.60	1.390	62.9	1.006	-0.03	1.620	2.265
	LTE Band 48	20M	QPSK	1	0	-	Back	17mm	Ant 2	DSI 4	55340	3560	22.92	24.00	1.282	62.9	1.006	0.06	0.198	0.255
	LTE Band 48	20M	QPSK	50	0	-	Back	17mm	Ant 2	DSI 4	55340	3560	21.82	24.00	1.652	62.9	1.006	0.14	0.210	0.349
	LTE Band 48	20M	QPSK	1	0	-	Left Side	19mm	Ant 2	DSI 4	56150	3641	23.04	24.00	1.247	62.9	1.006	0.16	0.153	0.192
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	656000	3840	17.41	19.00	1.442	-	-	0.18	2.070	2.985
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	656000	3840	17.35	19.00	1.462	-	-	-0.14	1.640	2.398
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	656000	3840	17.29	19.00	1.483	-	-	0.03	1.530	2.268
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	656000	3840	17.41	19.00	1.442	-	-	-0.04	0.910	1.312
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	656000	3840	17.35	19.00	1.462	-	-	-0.01	0.860	1.257
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6 Simultaneous	656000	3840	16.46	17.70	1.330	-	-	0.09	1.560	2.076
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 2	DSI 4	656000	3840	22.46	24.00	1.426	-	-	0.04	0.065	0.093
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	19mm	Ant 2	DSI 4	656000	3840	22.46	24.00	1.426	-	-	0.14	0.239	0.341
93	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	18.03	19.00	1.250	-	-	-0.03	2.46	<b>3.076</b>
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	17.91	19.00	1.285	-	-	0.07	2.33	2.995
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	17.72	19.00	1.343	-	-	0.01	1.93	2.592
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	633334	3500.01	18.03	19.00	1.250	-	-	0.05	0.820	1.025
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	633334	3500.01	17.91	19.00	1.285	-	-	-0.03	0.820	1.054
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6 Simultaneous	633334	3500.01	17.05	17.70	1.161	-	-	0.07	1.76	2.044
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 2	DSI 4	633334	3500.01	23.12	24.00	1.225	-	-	0.05	0.283	0.347
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	19mm	Ant 2	DSI 4	633334	3500.01	23.12	24.00	1.225	-	-	0.03	0.195	0.239
	FR1 n78-PC2 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	650000	3750	17.61	19.00	1.377	-	-	0.09	1.91	2.630
	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	650000	3750	17.49	19.00	1.416	-	-	0.17	2.130	3.016

Sporton International (Kunshan) Inc.

TEL : 86-512-57900158 / FAX : 86-512-57900958

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**FCC SAR Test Report**

**Report No. : FA192317**

FR1 n78-PC2 Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	650000	3750	17.39	19.00	1.449	-	-	0.01	1.76	2.550
FR1 n78-PC2 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	650000	3750	17.61	19.00	1.377	-	-	0.03	0.95	1.308
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	650000	3750	17.49	19.00	1.416	-	-	0.03	1.04	1.472
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6 Simultaneous	650000	3750	17.02	17.70	1.169	-	-	0.04	1.48	1.731
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 2	DSI 4	650000	3750	25.22	27.00	1.507	-	-	0.01	0.593	0.893
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	19mm	Ant 2	DSI 4	650000	3750	25.22	27.00	1.507	-	-	0.06	0.411	0.619
FR1 n78-PC2 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	18.11	19.00	1.227	-	-	0.03	1.990	2.443
94 FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	17.84	19.00	1.306	-	-	0.03	2.390	<b>3.122</b>
FR1 n78-PC2 Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	17.80	19.00	1.318	-	-	-0.14	1.770	2.333
FR1 n78-PC2 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	633334	3500.01	18.11	19.00	1.227	-	-	0.05	1.050	1.289
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	633334	3500.01	17.84	19.00	1.306	-	-	0.02	1.130	1.476
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6 Simultaneous	633334	3500.01	17.04	17.70	1.164	-	-	0.02	1.750	2.037
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 2	DSI 4	633334	3500.01	25.61	27.00	1.377	-	-	0.06	0.628	0.865
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	19mm	Ant 2	DSI 4	633334	3500.01	25.61	27.00	1.377	-	-	-0.09	0.431	0.594
Smart Folio mode																			
FR1 n78-PC2 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	17.84	19.00	1.306	-	-	-0.01	2.110	2.756

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
<b>WLAN</b>																
95	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6	Full Power	11	2462	22.11	23.50	1.377	97.87	1.022	0.04	1.510	<b>2.125</b>
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6	Full Power	1	2412	22.10	23.50	1.381	97.87	1.022	0.19	1.450	2.046
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 4+6	Full Power	11	2462	22.11	23.50	1.377	97.87	1.022	-0.02	1.320	1.858
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6	DBS only	11	2462	21.50	23.00	1.413	97.87	1.022	0.1	1.220	1.761
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6	WWAN+WLAN	11	2462	20.62	22.00	1.374	97.87	1.022	0.08	0.998	1.401
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6	WWAN+DBS	11	2462	17.56	19.00	1.393	97.87	1.022	0.15	0.521	0.742
Smart Folio mode																
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 4+6	Full Power	11	2462	22.11	23.50	1.377	97.87	1.022	-0.07	1.230	1.731
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 5+6	Full Power	48	5240	20.94	22.50	1.432	100	1.000	-0.18	1.000	1.432
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 5+6	Full Power	44	5220	20.83	22.50	1.469	100	1.000	0.12	1.220	1.792
96	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	48	5240	20.94	22.50	1.432	100	1.000	-0.09	1.540	<b>2.206</b>
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	44	5220	20.83	22.50	1.469	100	1.000	0.14	1.340	1.968
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+6	DBS only	46	5230	19.93	21.50	1.435	100	1.000	0.18	1.210	1.737
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+WLAN	42	5210	18.73	20.50	1.503	100	1.000	-0.16	0.925	1.391
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+DBS	42	5210	15.51	17.50	1.581	100	1.000	-0.14	0.450	0.712
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+6	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.09	0.444	0.704
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+6	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.17	1.060	1.680
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+6	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.04	0.330	0.523
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+6	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.01	0.266	0.422
97	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+6	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.03	1.920	<b>3.043</b>
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+6	Full Power	54	5270	18.88	21.00	1.629	100	1.000	-0.08	1.830	2.982
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	DBS only	62	5310	17.31	19.00	1.476	100	1.000	0.03	1.170	1.727
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+WLAN	58	5290	15.77	17.50	1.489	100	1.000	-0.16	0.878	1.308
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+DBS	58	5290	13.81	15.50	1.476	100	1.000	-0.14	0.487	0.719
Smart Folio mode																
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+6	Full Power	62	5310	19.00	21.00	1.585	100	1.000	0.07	1.590	2.520
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 5+6	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.17	0.777	1.079
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 5+6	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.05	1.220	1.695
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 5+6	Full Power	124	5620	21.07	22.50	1.389	100	1.000	-0.03	0.412	0.572
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+6	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.07	0.193	0.268
98	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.05	2.010	<b>2.792</b>
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	116	5580	21.06	22.50	1.393	100	1.000	0.03	1.960	2.731
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	DBS only	122	5610	18.54	20.00	1.401	100	1.000	-0.07	1.200	1.681
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+WLAN	122	5610	13.16	14.50	1.363	100	1.000	0.16	0.902	1.229

**Sporton International (Kunshan) Inc.**

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**FCC SAR Test Report**

**Report No. : FA192317**

	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+DBS	122	5610	14.46	16.00	1.427	100	1.000	-0.18	0.488	0.696
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 5+6	Full Power	165	5825	21.31	22.50	1.315	100	1.000	0.04	0.769	1.011
99	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	165	5825	21.31	22.50	1.315	100	1.000	0.03	1.590	<b>2.091</b>
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	157	5785	21.06	22.50	1.393	100	1.000	0.05	1.240	1.728
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+6	DBS only	159	5795	19.60	21.00	1.380	100	1.000	-0.05	1.220	1.684
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+WLAN	155	5775	18.60	20.00	1.382	100	1.000	-0.14	0.924	1.277
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	WWAN+DBS	155	5775	14.87	16.50	1.457	100	1.000	0.15	0.466	0.679



16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 26(5)	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	-	DSI 2	26865	831.5	22.40	23.40	1.259	-	-	-0.15	0.994	1	1.251
2nd	LTE Band 26(5)	15M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	-	DSI 2	26865	831.5	22.40	23.40	1.259	-	-	0.01	0.969	1.026	1.220
1st	LTE Band 66(4)	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	-	DSI 2	132572	1770	16.69	17.70	1.262	-	-	0.03	0.989	1	1.248
2nd	LTE Band 66(4)	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	-	DSI 2	132572	1770	16.69	17.70	1.262	-	-	0.01	0.883	1.120	1.114
1st	LTE Band 25(2)	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	-	DSI 2	26140	1860	17.13	18.10	1.250	-	-	0.08	0.997	1	1.247
2nd	LTE Band 25(2)	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	-	DSI 2	26140	1860	17.13	18.10	1.250	-	-	0.01	0.971	1.027	1.214
1st	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	-	DSI 2	20850	2510	17.45	18.40	1.245	-	-	0.15	1.000	1	1.245
2nd	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	-	DSI 2	20850	2510	17.45	18.40	1.245	-	-	0.03	0.992	1.018	1.222
1st	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	-	DSI 2	633334	3500.01	21.55	22.00	1.109	-	-	0.05	0.991	1	1.099
2nd	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	-	DSI 2	633334	3500.01	21.55	22.00	1.109	-	-	-0.03	0.883	1.122	0.979
1st	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	-	DSI 2	656000	3840	20.46	21.70	1.330	-	-	0.07	0.929	1	1.236
2nd	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	-	DSI 2	656000	3840	20.46	21.70	1.330	-	-	0.06	0.925	1.004	1.231
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	-	Standalone	11	2462	18.60	20.00	1.380	97.87	1.022	0.07	0.812	1	1.146
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Cheek	0mm	Ant 4+6	-	Standalone	11	2462	18.60	20.00	1.380	97.87	1.022	0.03	0.805	1.009	1.136
1st	WLAN5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+6	-	Standalone	58	5290	18.85	20.50	1.463	100	1.000	0.04	0.810	1	1.185
2nd	WLAN5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+6	-	Standalone	58	5290	18.85	20.50	1.463	100	1.000	0.03	0.803	1.009	1.174
1st	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	650000	3750	12.91	13.90	1.256	-	-	0.01	0.998	1	1.254
2nd	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3	650000	3750	12.91	13.90	1.256	-	-	0.05	0.985	1.013	1.237
1st	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 4	23230	782	23.22	24.00	1.197	-	-	-0.06	0.960	1	1.149
2nd	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 4	23230	782	23.22	24.00	1.197	-	-	0.03	0.934	1.028	1.118
1st	WLAN5GHz	-	-	-	-	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.08	0.873	1	1.195
2nd	WLAN5GHz	-	-	-	-	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	110	5550	19.64	21.00	1.368	100	1.000	0.01	0.837	1.009	1.145
1st	WLAN5GHz	-	-	-	-	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	159	5795	19.60	21.00	1.380	100	1.000	0.01	0.863	1	1.191
2nd	WLAN5GHz	-	-	-	-	802.11n-HT40 MCS0	Back	5mm	Ant 5+6	-	Standalone	159	5795	19.60	21.00	1.380	100	1.000	0.03	0.855	1.009	1.180

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	20.77	21.80	1.268	-	-	-0.01	2.470	1	3.131
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	20.77	21.80	1.268	-	-	0.05	2.250	1.098	2.852
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9538	1907.6	20.21	21.20	1.256	-	-	0.01	2.490	1	3.128
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9538	1907.6	20.21	21.20	1.256	-	-	0.05	2.310	1.078	2.901
1st	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 4	21100	2535	23.46	24.00	1.132	-	-	-0.08	2.480	1	2.808
2nd	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 4	21100	2535	23.46	24.00	1.132	-	-	0.01	2.250	1.102	2.548
1st	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	17.84	19.00	1.306	-	-	0.03	2.390	1	3.122
2nd	FR1 n78-PC2 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	633334	3500.01	17.84	19.00	1.306	-	-	-0.16	2.070	1.155	2.704
1st	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.05	2.010	1	2.792
2nd	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5+6	Full Power	124	5620	21.07	22.50	1.389	100	1.000	0.03	1.985	1.013	2.757
1st	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	656000	3840	17.41	19.00	1.442	-	-	0.18	2.070	1	2.985
2nd	FR1 n77 Part 27O	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	656000	3840	17.41	19.00	1.442	-	-	-0.16	1.970	1.051	2.841
1st	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	650000	3750	17.49	19.00	1.416	-	-	0.17	2.130	1	3.016
2nd	FR1 n78-PC2 Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	DSI 6	650000	3750	17.49	19.00	1.416	-	-	0.04	2.050	1.039	2.902

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45$ 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.

**16.6 TDD B38 Linearity Data Analysis**

**General Note:**

This device support Power Class 2 and Power Class 3 operations for LTE Band 38. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required

<b>LTE Band 38(HPUE) Ant 0-Linearity Data for Head</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.085	0.109
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.116	
% deviation from expected linearity		-6.04%
<b>LTE Band 38(HPUE) Ant 0-Linearity Data for Hotspot</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	17.80	19.40
Reported 1g SAR (W/kg)	0.873	0.946
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	38.14	37.71
Linearity SAR (W/kg)	0.863	
% deviation from expected linearity		9.60%
<b>LTE Band 38(HPUE) Ant 0-Linearity Data for Body-worn</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	22.60	24.20
Reported 1g SAR (W/kg)	1.227	1.240
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	115.19	113.89
Linearity SAR (W/kg)	1.213	
% deviation from expected linearity		2.21%
<b>LTE Band 38(HPUE) Ant 0-Linearity Data for Extremity SAR</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	1.550	1.919
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	2.116	
% deviation from expected linearity		-9.29%



<b>LTE Band 38(HPUE) Ant 1-Linearity Data for Head</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	19.50	21.10
Reported 1g SAR (W/kg)	1.101	1.188
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	56.42	55.78
Linearity SAR (W/kg)	1.089	
% deviation from expected linearity		9.13%
<b>LTE Band 38(HPUE) Ant 1-Linearity Data for Hotspot</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	17.90	19.50
Reported 1g SAR (W/kg)	0.922	0.933
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	39.03	38.59
Linearity SAR (W/kg)	0.912	
% deviation from expected linearity		2.34%
<b>LTE Band 38(HPUE) Ant 1-Linearity Data for Body-worn</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	22.30	23.60
Reported 1g SAR (W/kg)	1.257	1.275
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	107.50	99.19
Linearity SAR (W/kg)	1.160	
% deviation from expected linearity		9.92%
<b>LTE Band 38(HPUE) Ant 1-Linearity Data for Extremity SAR</b>		
	<b>LTE Band 38 (Power Class 3)</b>	<b>LTE Band 38 (Power Class 2)</b>
Maximum Tune up Power (dBm)	23.30	24.90
Reported 1g SAR (W/kg)	2.938	3.131
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	135.33	133.81
Linearity SAR (W/kg)	2.905	
% deviation from expected linearity		7.78%

### 17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN6E	Yes	Yes		Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	Bluetooth + WLAN5GHz	Yes	Yes	Yes	Yes
6.	Bluetooth + WLAN6E	Yes	Yes		Yes
7.	WWAN + Bluetooth + WLAN5GHz	Yes	Yes	Yes	Yes
8.	WWAN + Bluetooth + WLAN6E	Yes	Yes		Yes
9.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
10.	WWAN + WLAN 2.4GHz + WLAN 5GHz	Yes	Yes	Yes	Yes
11.	WLAN2.4GHz + WLAN6E	Yes	Yes		Yes
12.	WWAN + WLAN 2.4GHz + WLAN6E	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.
- WWAN above includes 5G NR bands.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- 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 6E has no hotspot function.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.
- 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/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- The maximum SAR summation is calculated based on the same configuration and test position.
- SAR Power density test report for WLAN6E U-NII-5/6/7/8 will be separately submitted. About co-located SAR with WWAN/Bluetooth, always chose higher SAR of WLAN5G U-NII-1/2A/2C/3 and U-NII-5/6/7/8.
- 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.
  - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$ , and the peak separation distance is determined from the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
  - 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.

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

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

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

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

$$x\% * A + (100-x)\% * B \leq 1.0,$$

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

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

$$x\% * A + (100-x)\% * B + C \leq 1.0 \quad (1)$$

$$x\% * A + (100-x)\% * B \leq x\% * \max(A, B) + (100-x)\% * \max(A, B) \leq \max(A, B)$$

$$x\% * A + (100-x)\% * B + C \leq \max(A, B) + C \leq 1.0 \quad (2)$$

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

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

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

Above analysis is also apply to LTE inter band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter band CA uplink no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE + WLAN + BT < 1.



17.2 Head Exposure Conditions

FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+4+10 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+8+10 Summed 1g SAR (W/kg)	1+9+10 Summed 1g SAR (W/kg)
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 WWAN+WLAN	WLAN 2.4GHz Ant 4+6 WWAN+DBS	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 WWAN+WLAN	WLAN 5GHz Ant 5+6 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 6	WiFi 6E								
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)								
GSM850 Ant 0	Right Cheek	0.294	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.82	0.89	0.79	0.86	0.59	0.76	0.49
	Right Tilted	0.193	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.72	0.78	0.57	0.76	0.49	0.54	0.27
	Left Cheek	0.168	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.69	0.76	0.52	0.73	0.46	0.50	0.23
	Left Tilted	0.150	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.68	0.74	0.51	0.72	0.45	0.48	0.21
GSM850 Ant 1	Right Cheek	0.971	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.50	1.56	1.47	1.54	1.27	1.44	1.17
	Right Tilted	0.971	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.50	1.56	1.35	1.54	1.27	1.32	1.05
	Left Cheek	0.971	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.50	1.56	1.33	1.54	1.27	1.30	1.03
	Left Tilted	0.971	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.50	1.56	1.33	1.54	1.27	1.30	1.03
WCDMA II Ant 0	Right Cheek	0.066	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.59	0.66	0.56	0.63	0.36	0.54	0.27
	Right Tilted	0.044	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.57	0.64	0.42	0.61	0.34	0.40	0.13
	Left Cheek	0.087	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.61	0.68	0.44	0.65	0.38	0.42	0.15
	Left Tilted	0.063	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.59	0.65	0.42	0.63	0.36	0.40	0.13
WCDMA IV Ant 0	Right Cheek	0.079	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.60	0.67	0.57	0.64	0.37	0.55	0.28
	Right Tilted	0.073	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.60	0.66	0.45	0.64	0.37	0.42	0.15
	Left Cheek	0.100	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.63	0.69	0.46	0.67	0.40	0.43	0.16
	Left Tilted	0.080	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.61	0.67	0.44	0.65	0.38	0.41	0.14
WCDMA V Ant 0	Right Cheek	0.231	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.76	0.82	0.73	0.80	0.53	0.70	0.43
	Right Tilted	0.141	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.67	0.73	0.52	0.71	0.44	0.49	0.22
	Left Cheek	0.151	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.68	0.74	0.51	0.72	0.45	0.48	0.21
	Left Tilted	0.115	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.64	0.71	0.47	0.68	0.41	0.45	0.18
WCDMA V Ant 1	Right Cheek	0.851	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.38	1.44	1.35	1.42	1.15	1.32	1.05
	Right Tilted	0.851	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.38	1.44	1.23	1.42	1.15	1.20	0.93
	Left Cheek	0.851	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.38	1.44	1.21	1.42	1.15	1.18	0.91
	Left Tilted	0.851	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.38	1.44	1.21	1.42	1.15	1.18	0.91
LTE Band 7 Ant 0	Right Cheek	0.126	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.65	0.72	0.62	0.69	0.42	0.60	0.33
	Right Tilted	0.043	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.57	0.63	0.42	0.61	0.34	0.39	0.12
	Left Cheek	0.085	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.61	0.68	0.44	0.65	0.38	0.41	0.14
	Left Tilted	0.078	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.60	0.67	0.44	0.64	0.37	0.41	0.14
LTE Band 7 Ant 1	Right Cheek	0.917	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.44	1.51	1.41	1.48	1.21	1.39	1.12
	Right Tilted	0.917	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.44	1.51	1.29	1.48	1.21	1.27	1.00
	Left Cheek	0.917	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.44	1.51	1.27	1.48	1.21	1.25	0.98
	Left Tilted	0.917	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.44	1.51	1.28	1.48	1.21	1.25	0.98
LTE Band 12(17) Ant 0	Right Cheek	0.207	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.73	0.80	0.70	0.77	0.50	0.68	0.41
	Right Tilted	0.100	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.63	0.69	0.48	0.67	0.40	0.45	0.18
	Left Cheek	0.125	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.65	0.72	0.48	0.69	0.42	0.45	0.18
	Left Tilted	0.137	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.66	0.73	0.50	0.70	0.43	0.47	0.20
LTE Band 12(17) Ant 1	Right Cheek	0.889	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.41	1.48	1.38	1.45	1.18	1.36	1.09
	Right Tilted	0.889	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.41	1.48	1.27	1.45	1.18	1.24	0.97
	Left Cheek	0.889	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.41	1.48	1.24	1.45	1.18	1.22	0.95
	Left Tilted	0.889	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.41	1.48	1.25	1.45	1.18	1.22	0.95
LTE Band 13 Ant 0	Right Cheek	0.208	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.73	0.80	0.70	0.77	0.50	0.68	0.41
	Right Tilted	0.120	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.65	0.71	0.50	0.69	0.42	0.47	0.20
	Left Cheek	0.178	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.70	0.77	0.53	0.74	0.47	0.51	0.24
	Left Tilted	0.114	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.64	0.71	0.47	0.68	0.41	0.45	0.18
LTE Band 13 Ant 1	Right Cheek	0.521	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.05	1.11	1.02	1.09	0.82	0.99	0.72
	Right Tilted	0.534	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.06	1.13	0.91	1.10	0.83	0.89	0.62
	Left Cheek	0.831	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.36	1.42	1.19	1.40	1.13	1.16	0.89
	Left Tilted	0.792	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.32	1.38	1.15	1.36	1.09	1.13	0.86



FCC SAR Test Report

Report No. : FA192317

Table with columns for antenna type (e.g., LTE Band 25(2) Ant 0), orientation (Right Cheek, Right Tilted, Left Cheek, Left Tilted), and 19 numerical columns representing SAR test results.

Sporton International (Kunshan) Inc.

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : IHDT56AB1

Issued Date : Jan. 26, 2022

Form version. : 200414





<5G NR Mode>

Table with columns: WWAN Band, Exposure Position, 1-10 (WLAN, Bluetooth, WIFI), 2+5, 1+3, 1+4+7, 1+4+10, 1+6+8, 1+6+9, 1+8+10, 1+9+10. Rows include FR1 n5 Ant 0, FR1 n66 Ant 1, FR1 n7 Ant 0, FR1 n7 Ant 1, FR1 n38 Ant 1, FR1 n77 Part 270 Ant 2, FR1 n77 Part 27Q Ant 2, FR1 n78-PC2 Part 270 Ant 2, FR1 n78-PC2 Part 27Q Ant 2.



<SRS Mode>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+4+10 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+8+10 Summed 1g SAR (W/kg)	1+9+10 Summed 1g SAR (W/kg)
		WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 WWAN+ WLAN	WLAN 2.4GHz Ant 4+6 WWAN + DBS	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 WWAN+ WLAN	WLAN 5GHz Ant 5+6 WWAN + DBS	Bluetooth Ant 4	Bluetooth Ant 6	WIFI 6E									
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
FR1 n78 Part 270 Ant 3	Right Cheek	0.004	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.53	0.59	0.50	0.57	0.30	0.47	0.20
	Right Tilted	0.004	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	0.53	0.60	0.38	0.57	0.30	0.36	0.09
	Left Cheek	0.005	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.53	0.60	0.36	0.57	0.30	0.33	0.06
	Left Tilted	0.004	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.53	0.59	0.36	0.57	0.30	0.34	0.07
FR1 n78 Part 27Q Ant 3	Right Cheek	0.003	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.53	0.59	0.50	0.57	0.30	0.47	0.20
	Right Tilted	0.003	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	0.53	0.59	0.38	0.57	0.30	0.35	0.08
	Left Cheek	0.004	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.53	0.59	0.36	0.57	0.30	0.33	0.06
	Left Tilted	0.003	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.53	0.59	0.36	0.57	0.30	0.34	0.07
FR1 n78-PC2 Part 27O Ant 7	Right Cheek	0.047	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.57	0.64	0.54	0.61	0.34	0.52	0.25
	Right Tilted	0.053	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	0.58	0.64	0.43	0.62	0.35	0.40	0.13
	Left Cheek	0.026	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.55	0.62	0.38	0.59	0.32	0.36	0.09
	Left Tilted	0.030	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.55	0.62	0.39	0.59	0.32	0.36	0.09
FR1 n78-PC2 Part 27Q Ant 7	Right Cheek	0.062	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.59	0.65	0.56	0.63	0.36	0.53	0.26
	Right Tilted	0.064	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	0.59	0.65	0.44	0.63	0.36	0.41	0.14
	Left Cheek	0.048	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.57	0.64	0.40	0.61	0.34	0.38	0.11
	Left Tilted	0.053	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.58	0.64	0.41	0.62	0.35	0.39	0.12
FR1 n78 Part 27O Ant 8	Right Cheek	0.001	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.53	0.59	0.50	0.57	0.30	0.47	0.20
	Right Tilted	0.003	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	0.53	0.59	0.38	0.57	0.30	0.35	0.08
	Left Cheek	0.001	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.53	0.59	0.36	0.56	0.29	0.33	0.06
	Left Tilted	0.002	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.53	0.59	0.36	0.57	0.30	0.33	0.06
FR1 n78 Part 27Q Ant 8	Right Cheek	0.001	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.53	0.59	0.50	0.57	0.30	0.47	0.20
	Right Tilted	0.003	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	0.53	0.59	0.38	0.57	0.30	0.35	0.08
	Left Cheek	0.001	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.53	0.59	0.36	0.57	0.30	0.33	0.06
	Left Tilted	0.002	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.53	0.59	0.36	0.57	0.30	0.33	0.06



17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4GHz Ant 4+6 WWAN+WLAN	WLAN2.4GHz Ant 4+6 WWAN+DBS	WLAN5GHz Ant 5+6 WWAN+WLAN	WLAN5GHz Ant 5+6 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 6				
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
GSM850 Ant 0	Front	0.558	0.252	0.211	0.072	0.072	0.128	0.002	0.81	0.84	0.76	0.63
	Back	0.931	0.291	0.211	0.279	0.279	0.171	0.322	1.22	1.42	1.38	1.53
	Left side	0.106	0.070	0.211	0.065	0.065	0.129		0.18	0.38	0.30	0.17
	Right side	0.198	0.069	0.211	0.060	0.060	0.068	0.086	0.27	0.47	0.33	0.34
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.529		0.211					0.53	0.74	0.53	0.53
GSM850 Ant 1	Front	0.573	0.252	0.211	0.072	0.072	0.128	0.002	0.83	0.86	0.77	0.65
	Back	0.645	0.291	0.211	0.279	0.279	0.171	0.322	0.94	1.14	1.10	1.25
	Left side	0.174	0.070	0.211	0.065	0.065	0.129		0.24	0.45	0.37	0.24
	Right side	0.304	0.069	0.211	0.060	0.060	0.068	0.086	0.37	0.58	0.43	0.45
	Top side	0.924	0.527	0.211	0.275	0.275	0.152	0.005	1.45	1.41	1.35	1.20
	Bottom side			0.211					0.00	0.21	0.00	0.00
WCDMA II Ant 0	Front	0.433	0.252	0.211	0.072	0.072	0.128	0.002	0.69	0.72	0.63	0.51
	Back	0.552	0.291	0.211	0.279	0.279	0.171	0.322	0.84	1.04	1.00	1.15
	Left side	0.023	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.22	0.09
	Right side	0.022	0.069	0.211	0.060	0.060	0.068	0.086	0.09	0.29	0.15	0.17
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.923		0.211					0.92	1.13	0.92	0.92
WCDMA IV Ant 0	Front	0.421	0.252	0.211	0.072	0.072	0.128	0.002	0.67	0.70	0.62	0.50
	Back	0.515	0.291	0.211	0.279	0.279	0.171	0.322	0.81	1.01	0.97	1.12
	Left side	0.023	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.22	0.09
	Right side	0.038	0.069	0.211	0.060	0.060	0.068	0.086	0.11	0.31	0.17	0.18
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.935		0.211					0.94	1.15	0.94	0.94
WCDMA V Ant 0	Front	0.555	0.252	0.211	0.072	0.072	0.128	0.002	0.81	0.84	0.76	0.63
	Back	0.924	0.291	0.211	0.279	0.279	0.171	0.322	1.22	1.41	1.37	1.53
	Left side	0.094	0.070	0.211	0.065	0.065	0.129		0.16	0.37	0.29	0.16
	Right side	0.184	0.069	0.211	0.060	0.060	0.068	0.086	0.25	0.46	0.31	0.33
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.757		0.211					0.76	0.97	0.76	0.76
WCDMA V Ant 1	Front	0.466	0.252	0.211	0.072	0.072	0.128	0.002	0.72	0.75	0.67	0.54
	Back	0.653	0.291	0.211	0.279	0.279	0.171	0.322	0.94	1.14	1.10	1.25
	Left side	0.178	0.070	0.211	0.065	0.065	0.129		0.25	0.45	0.37	0.24
	Right side	0.278	0.069	0.211	0.060	0.060	0.068	0.086	0.35	0.55	0.41	0.42
	Top side	0.938	0.527	0.211	0.275	0.275	0.152	0.005	1.47	1.42	1.37	1.22
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 7 Ant 0	Front	0.323	0.252	0.211	0.072	0.072	0.128	0.002	0.58	0.61	0.52	0.40
	Back	0.384	0.291	0.211	0.279	0.279	0.171	0.322	0.68	0.87	0.83	0.99
	Left side	0.023	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.22	0.09
	Right side	0.035	0.069	0.211	0.060	0.060	0.068	0.086	0.10	0.31	0.16	0.18
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.942		0.211					0.94	1.15	0.94	0.94
LTE Band 7 Ant 1	Front	0.280	0.252	0.211	0.072	0.072	0.128	0.002	0.53	0.56	0.48	0.35
	Back	0.417	0.291	0.211	0.279	0.279	0.171	0.322	0.71	0.91	0.87	1.02
	Left side	0.021	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.22	0.09
	Right side	0.052	0.069	0.211	0.060	0.060	0.068	0.086	0.12	0.32	0.18	0.20
	Top side	0.928	0.527	0.211	0.275	0.275	0.152	0.005	1.46	1.41	1.36	1.21
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 12(17) Ant 0	Front	0.445	0.252	0.211	0.072	0.072	0.128	0.002	0.70	0.73	0.65	0.52
	Back	0.843	0.291	0.211	0.279	0.279	0.171	0.322	1.13	1.33	1.29	1.44



	Left side	0.147	0.070	0.211	0.065	0.065	0.129		0.22	0.42	0.34	0.21
	Right side	0.079	0.069	0.211	0.060	0.060	0.068	0.086	0.15	0.35	0.21	0.23
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.372		0.211					0.37	0.58	0.37	0.37
LTE Band 12(17) Ant 1	Front	0.484	0.252	0.211	0.072	0.072	0.128	0.002	0.74	0.77	0.68	0.56
	Back	0.535	0.291	0.211	0.279	0.279	0.171	0.322	0.83	1.03	0.99	1.14
	Left side	0.182	0.070	0.211	0.065	0.065	0.129		0.25	0.46	0.38	0.25
	Right side	0.295	0.069	0.211	0.060	0.060	0.068	0.086	0.36	0.57	0.42	0.44
	Top side	0.721	0.527	0.211	0.275	0.275	0.152	0.005	1.25	1.21	1.15	1.00
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 13 Ant 0	Front	0.529	0.252	0.211	0.072	0.072	0.128	0.002	0.78	0.81	0.73	0.60
	Back	0.887	0.291	0.211	0.279	0.279	0.171	0.322	1.18	1.38	1.34	1.49
	Left side	0.195	0.070	0.211	0.065	0.065	0.129		0.27	0.47	0.39	0.26
	Right side	0.347	0.069	0.211	0.060	0.060	0.068	0.086	0.42	0.62	0.48	0.49
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.570		0.211					0.57	0.78	0.57	0.57
LTE Band 13 Ant 1	Front	0.481	0.252	0.211	0.072	0.072	0.128	0.002	0.73	0.76	0.68	0.56
	Back	0.564	0.291	0.211	0.279	0.279	0.171	0.322	0.86	1.05	1.01	1.17
	Left side	0.162	0.070	0.211	0.065	0.065	0.129		0.23	0.44	0.36	0.23
	Right side	0.300	0.069	0.211	0.060	0.060	0.068	0.086	0.37	0.57	0.43	0.45
	Top side	0.715	0.527	0.211	0.275	0.275	0.152	0.005	1.24	1.20	1.14	1.00
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 25(2) Ant 0	Front	0.370	0.252	0.211	0.072	0.072	0.128	0.002	0.62	0.65	0.57	0.44
	Back	0.544	0.291	0.211	0.279	0.279	0.171	0.322	0.84	1.03	0.99	1.15
	Left side	0.023	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.22	0.09
	Right side	0.028	0.069	0.211	0.060	0.060	0.068	0.086	0.10	0.30	0.16	0.17
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.943		0.211					0.94	1.15	0.94	0.94
LTE Band 25(2) Ant 1	Front	0.451	0.252	0.211	0.072	0.072	0.128	0.002	0.70	0.73	0.65	0.53
	Back	0.620	0.291	0.211	0.279	0.279	0.171	0.322	0.91	1.11	1.07	1.22
	Left side	0.022	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.22	0.09
	Right side	0.141	0.069	0.211	0.060	0.060	0.068	0.086	0.21	0.41	0.27	0.29
	Top side	0.943	0.527	0.211	0.275	0.275	0.152	0.005	1.47	1.43	1.37	1.22
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 26(5) Ant 0	Front	0.435	0.252	0.211	0.072	0.072	0.128	0.002	0.69	0.72	0.64	0.51
	Back	0.940	0.291	0.211	0.279	0.279	0.171	0.322	1.23	1.43	1.39	1.54
	Left side	0.127	0.070	0.211	0.065	0.065	0.129		0.20	0.40	0.32	0.19
	Right side	0.074	0.069	0.211	0.060	0.060	0.068	0.086	0.14	0.35	0.20	0.22
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.920		0.211					0.92	1.13	0.92	0.92
LTE Band 26(5) Ant 1	Front	0.442	0.252	0.211	0.072	0.072	0.128	0.002	0.69	0.73	0.64	0.52
	Back	0.614	0.291	0.211	0.279	0.279	0.171	0.322	0.91	1.10	1.06	1.22
	Left side	0.149	0.070	0.211	0.065	0.065	0.129		0.22	0.43	0.34	0.21
	Right side	0.236	0.069	0.211	0.060	0.060	0.068	0.086	0.31	0.51	0.36	0.38
	Top side	0.875	0.527	0.211	0.275	0.275	0.152	0.005	1.40	1.36	1.30	1.16
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 66(4) Ant 0	Front	0.405	0.252	0.211	0.072	0.072	0.128	0.002	0.66	0.69	0.61	0.48
	Back	0.505	0.291	0.211	0.279	0.279	0.171	0.322	0.80	1.00	0.96	1.11
	Left side	0.024	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.22	0.09
	Right side	0.039	0.069	0.211	0.060	0.060	0.068	0.086	0.11	0.31	0.17	0.19
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.930		0.211					0.93	1.14	0.93	0.93
LTE Band 66(4) Ant 1	Front	0.495	0.252	0.211	0.072	0.072	0.128	0.002	0.75	0.78	0.70	0.57
	Back	0.614	0.291	0.211	0.279	0.279	0.171	0.322	0.91	1.10	1.06	1.22
	Left side	0.015	0.070	0.211	0.065	0.065	0.129		0.09	0.29	0.21	0.08
	Right side	0.087	0.069	0.211	0.060	0.060	0.068	0.086	0.16	0.36	0.22	0.23



	Top side	0.940	0.527	0.211	0.275	0.275	0.152	0.005	1.47	1.43	1.37	1.22
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 38-PC2 Ant 0	Front		0.252	0.211	0.072	0.072	0.128	0.002	0.25	0.28	0.20	0.07
	Back		0.291	0.211	0.279	0.279	0.171	0.322	0.29	0.49	0.45	0.60
	Left side		0.070	0.211	0.065	0.065	0.129		0.07	0.28	0.19	0.07
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.946		0.211					0.95	1.16	0.95	0.95
LTE Band 38-PC2 Ant 1	Front		0.252	0.211	0.072	0.072	0.128	0.002	0.25	0.28	0.20	0.07
	Back		0.291	0.211	0.279	0.279	0.171	0.322	0.29	0.49	0.45	0.60
	Left side		0.070	0.211	0.065	0.065	0.129		0.07	0.28	0.19	0.07
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.933	0.527	0.211	0.275	0.275	0.152	0.005	1.46	1.42	1.36	1.21
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 41 Ant 0	Front	0.338	0.252	0.211	0.072	0.072	0.128	0.002	0.59	0.62	0.54	0.41
	Back	0.413	0.291	0.211	0.279	0.279	0.171	0.322	0.70	0.90	0.86	1.01
	Left side	0.020	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.21	0.09
	Right side	0.048	0.069	0.211	0.060	0.060	0.068	0.086	0.12	0.32	0.18	0.19
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.942		0.211					0.94	1.15	0.94	0.94
LTE Band 41 Ant 1	Front	0.235	0.252	0.211	0.072	0.072	0.128	0.002	0.49	0.52	0.44	0.31
	Back	0.405	0.291	0.211	0.279	0.279	0.171	0.322	0.70	0.90	0.86	1.01
	Left side	0.012	0.070	0.211	0.065	0.065	0.129		0.08	0.29	0.21	0.08
	Right side	0.065	0.069	0.211	0.060	0.060	0.068	0.086	0.13	0.34	0.19	0.21
	Top side	0.935	0.527	0.211	0.275	0.275	0.152	0.005	1.46	1.42	1.36	1.22
	Bottom side			0.211					0.00	0.21	0.00	0.00
LTE Band 42 Part27Q Ant 2	Front	0.066	0.252	0.211	0.072	0.072	0.128	0.002	0.32	0.35	0.27	0.14
	Back	0.976	0.291	0.211	0.279	0.279	0.171	0.322	1.27	1.47	1.43	1.58
	Left side	0.247	0.070	0.211	0.065	0.065	0.129		0.32	0.52	0.44	0.31
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.053	0.527	0.211	0.275	0.275	0.152	0.005	0.58	0.54	0.48	0.33
	Bottom side			0.211					0.00	0.21	0.00	0.00



<5GNR Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	1+2 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4GHz Ant 4+6 WWAN+WLAN	WLAN2.4GHz Ant 4+6 WWAN+DBS	WLAN5GHz Ant 5+6 WWAN+WLAN	WLAN5GHz Ant 5+6 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 6				
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
FR1 n5 Ant 0	Front	0.603	0.252	0.211	0.072	0.072	0.128	0.002	0.86	0.89	0.80	0.68
	Back	0.939	0.291	0.211	0.279	0.279	0.171	0.322	1.23	1.43	1.39	1.54
	Left side	0.097	0.070	0.211	0.065	0.065	0.129		0.17	0.37	0.29	0.16
	Right side	0.184	0.069	0.211	0.060	0.060	0.068	0.086	0.25	0.46	0.31	0.33
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.556		0.211					0.56	0.77	0.56	0.56
FR1 n66 Ant 1	Front	0.573	0.252	0.211	0.072	0.072	0.128	0.002	0.83	0.86	0.77	0.65
	Back	0.776	0.291	0.211	0.279	0.279	0.171	0.322	1.07	1.27	1.23	1.38
	Left side	0.015	0.070	0.211	0.065	0.065	0.129		0.09	0.29	0.21	0.08
	Right side	0.099	0.069	0.211	0.060	0.060	0.068	0.086	0.17	0.37	0.23	0.25
	Top side	0.937	0.527	0.211	0.275	0.275	0.152	0.005	1.46	1.42	1.36	1.22
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n7 Ant 0	Front	0.386	0.252	0.211	0.072	0.072	0.128	0.002	0.64	0.67	0.59	0.46
	Back	0.448	0.291	0.211	0.279	0.279	0.171	0.322	0.74	0.94	0.90	1.05
	Left side	0.020	0.070	0.211	0.065	0.065	0.129		0.09	0.30	0.21	0.09
	Right side	0.037	0.069	0.211	0.060	0.060	0.068	0.086	0.11	0.31	0.17	0.18
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.929		0.211					0.93	1.14	0.93	0.93
FR1 n7 Ant 1	Front	0.497	0.252	0.211	0.072	0.072	0.128	0.002	0.75	0.78	0.70	0.57
	Back	0.686	0.291	0.211	0.279	0.279	0.171	0.322	0.98	1.18	1.14	1.29
	Left side	0.033	0.070	0.211	0.065	0.065	0.129		0.10	0.31	0.23	0.10
	Right side	0.089	0.069	0.211	0.060	0.060	0.068	0.086	0.16	0.36	0.22	0.24
	Top side	0.925	0.527	0.211	0.275	0.275	0.152	0.005	1.45	1.41	1.35	1.21
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n38 Ant 1	Front	0.285	0.252	0.211	0.072	0.072	0.128	0.002	0.54	0.57	0.49	0.36
	Back	0.445	0.291	0.211	0.279	0.279	0.171	0.322	0.74	0.94	0.90	1.05
	Left side	0.016	0.070	0.211	0.065	0.065	0.129		0.09	0.29	0.21	0.08
	Right side	0.067	0.069	0.211	0.060	0.060	0.068	0.086	0.14	0.34	0.20	0.21
	Top side	0.932	0.527	0.211	0.275	0.275	0.152	0.005	1.46	1.42	1.36	1.21
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n77 Part 270 Ant 2	Front	0.087	0.252	0.211	0.072	0.072	0.128	0.002	0.34	0.37	0.29	0.16
	Back	0.820	0.291	0.211	0.279	0.279	0.171	0.322	1.11	1.31	1.27	1.42
	Left side	0.245	0.070	0.211	0.065	0.065	0.129		0.32	0.52	0.44	0.31
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.035	0.527	0.211	0.275	0.275	0.152	0.005	0.56	0.52	0.46	0.32
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n77 Part 27Q Ant 2	Front	0.073	0.252	0.211	0.072	0.072	0.128	0.002	0.33	0.36	0.27	0.15
	Back	0.938	0.291	0.211	0.279	0.279	0.171	0.322	1.23	1.43	1.39	1.54
	Left side	0.243	0.070	0.211	0.065	0.065	0.129		0.31	0.52	0.44	0.31
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.091	0.527	0.211	0.275	0.275	0.152	0.005	0.62	0.58	0.52	0.37
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n78-PC2 Part 270 Ant 2	Front	0.093	0.252	0.211	0.072	0.072	0.128	0.002	0.35	0.38	0.29	0.17
	Back	0.924	0.291	0.211	0.279	0.279	0.171	0.322	1.22	1.41	1.37	1.53
	Left side	0.388	0.070	0.211	0.065	0.065	0.129		0.46	0.66	0.58	0.45
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.056	0.527	0.211	0.275	0.275	0.152	0.005	0.58	0.54	0.48	0.34
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n78-PC2 Part 27Q Ant 2	Front	0.080	0.252	0.211	0.072	0.072	0.128	0.002	0.33	0.36	0.28	0.15
	Back	0.903	0.291	0.211	0.279	0.279	0.171	0.322	1.19	1.39	1.35	1.50
	Left side	0.321	0.070	0.211	0.065	0.065	0.129		0.39	0.60	0.52	0.39



	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.100	0.527	0.211	0.275	0.275	0.152	0.005	0.63	0.59	0.53	0.38
	Bottom side			0.211					0.00	0.21	0.00	0.00

<SRS Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+5	1+4+6	1+4+7
		WWAN	WLAN2.4GHz Ant 4+6 WWAN+WLAN	WLAN2.4GHz Ant 4+6 WWAN+DBS	WLAN5GHz Ant 5+6 WWAN+WLAN	WLAN5GHz Ant 5+6 WWAN+DBS	Bluetooth Ant 4	Bluetooth Ant 6	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n78 Part 27O Ant 3	Front	0.043	0.252	0.211	0.072	0.072	0.128	0.002	0.30	0.33	0.24	0.12
	Back	0.047	0.291	0.211	0.279	0.279	0.171	0.322	0.34	0.54	0.50	0.65
	Left side	0.045	0.070	0.211	0.065	0.065	0.129		0.12	0.32	0.24	0.11
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.039		0.211					0.04	0.25	0.04	0.04
FR1 n78 Part 27Q Ant 3	Front	0.039	0.252	0.211	0.072	0.072	0.128	0.002	0.29	0.32	0.24	0.11
	Back	0.048	0.291	0.211	0.279	0.279	0.171	0.322	0.34	0.54	0.50	0.65
	Left side	0.044	0.070	0.211	0.065	0.065	0.129		0.11	0.32	0.24	0.11
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.041		0.211					0.04	0.25	0.04	0.04
FR1 n78-PC2 Part 27O Ant 7	Front	0.044	0.252	0.211	0.072	0.072	0.128	0.002	0.30	0.33	0.24	0.12
	Back	0.764	0.291	0.211	0.279	0.279	0.171	0.322	1.05	1.25	1.21	1.36
	Left side	0.082	0.070	0.211	0.065	0.065	0.129		0.15	0.36	0.28	0.15
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.280	0.527	0.211	0.275	0.275	0.152	0.005	0.81	0.77	0.71	0.56
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n78-PC2 Part 27Q Ant 7	Front	0.045	0.252	0.211	0.072	0.072	0.128	0.002	0.30	0.33	0.25	0.12
	Back	0.783	0.291	0.211	0.279	0.279	0.171	0.322	1.07	1.27	1.23	1.38
	Left side	0.071	0.070	0.211	0.065	0.065	0.129		0.14	0.35	0.27	0.14
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side	0.193	0.527	0.211	0.275	0.275	0.152	0.005	0.72	0.68	0.62	0.47
	Bottom side			0.211					0.00	0.21	0.00	0.00
FR1 n78 Part 27O Ant 8	Front	0.038	0.252	0.211	0.072	0.072	0.128	0.002	0.29	0.32	0.24	0.11
	Back	0.153	0.291	0.211	0.279	0.279	0.171	0.322	0.44	0.64	0.60	0.75
	Left side		0.070	0.211	0.065	0.065	0.129		0.07	0.28	0.19	0.07
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.045		0.211					0.04	0.26	0.04	0.04
FR1 n78 Part 27Q Ant 8	Front	0.024	0.252	0.211	0.072	0.072	0.128	0.002	0.28	0.31	0.22	0.10
	Back	0.171	0.291	0.211	0.279	0.279	0.171	0.322	0.46	0.66	0.62	0.77
	Left side		0.070	0.211	0.065	0.065	0.129		0.07	0.28	0.19	0.07
	Right side		0.069	0.211	0.060	0.060	0.068	0.086	0.07	0.27	0.13	0.15
	Top side		0.527	0.211	0.275	0.275	0.152	0.005	0.53	0.49	0.43	0.28
	Bottom side	0.031		0.211					0.03	0.24	0.03	0.03



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+4+10 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+9+10 Summed 1g SAR (W/kg)
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 WWAN +WLAN	WLAN 2.4GHz Ant 4+6 WWAN DBS	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 WWAN +WLAN	WLAN 5GHz Ant 5+6 WWAN +DBS	Bluetooth Ant 4	Bluetooth Ant 6	WIFI 6E Ant 5+6							
GSM850 Ant 0	Front	0.558	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.11	1.12	0.88	0.97	0.84	0.60
	Back	0.931	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.49	1.50	1.46	1.39	1.54	1.50
GSM850 Ant 1	Front	0.573	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.13	1.14	0.89	0.99	0.86	0.61
	Back	0.645	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.20	1.21	1.17	1.10	1.25	1.21
WCDMA II Ant 0	Front	0.433	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.99	1.00	0.75	0.85	0.72	0.47
	Back	0.552	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.11	1.12	1.08	1.01	1.16	1.12
WCDMA IV Ant 0	Front	0.421	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.98	0.99	0.74	0.83	0.71	0.46
	Back	0.515	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.07	1.08	1.04	0.97	1.12	1.08
WCDMA V Ant 0	Front	0.555	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.11	1.12	0.88	0.97	0.84	0.60
	Back	0.924	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.48	1.49	1.45	1.38	1.53	1.49
WCDMA V Ant 1	Front	0.466	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.02	1.03	0.79	0.88	0.75	0.51
	Back	0.653	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.21	1.22	1.18	1.11	1.26	1.22
LTE Band 7 Ant 0	Front	0.323	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.88	0.89	0.64	0.74	0.61	0.36
	Back	0.384	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.94	0.95	0.91	0.84	0.99	0.95
LTE Band 7 Ant 1	Front	0.280	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.83	0.85	0.60	0.69	0.57	0.32
	Back	0.417	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.97	0.98	0.95	0.87	1.02	0.99
LTE Band 12(17) Ant 0	Front	0.445	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.00	1.01	0.77	0.86	0.73	0.49
	Back	0.843	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.40	1.41	1.37	1.30	1.45	1.41
LTE Band 12(17) Ant 1	Front	0.484	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.04	1.05	0.80	0.90	0.77	0.52
	Back	0.535	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.09	1.10	1.06	0.99	1.14	1.10
LTE Band 13 Ant 0	Front	0.529	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.08	1.10	0.85	0.94	0.82	0.57
	Back	0.887	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.44	1.45	1.42	1.34	1.49	1.46
LTE Band 13 Ant 1	Front	0.481	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.04	1.05	0.80	0.89	0.77	0.52
	Back	0.564	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.12	1.13	1.09	1.02	1.17	1.13
LTE Band 25(2) Ant 0	Front	0.370	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.92	0.94	0.69	0.78	0.66	0.41
	Back	0.544	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.10	1.11	1.07	1.00	1.15	1.11
LTE Band 25(2) Ant 1	Front	0.451	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.01	1.02	0.77	0.86	0.74	0.49
	Back	0.620	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.17	1.19	1.15	1.08	1.23	1.19
LTE Band 26(5) Ant 0	Front	0.435	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.99	1.00	0.76	0.85	0.72	0.48
	Back	0.940	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.49	1.51	1.47	1.40	1.55	1.51
LTE Band 26(5) Ant 1	Front	0.920	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.47	1.49	1.24	1.33	1.21	0.96
	Back	0.442	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.00	1.01	0.97	0.90	1.05	1.01
LTE Band 66(4) Ant 0	Front	0.405	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.96	0.97	0.73	0.82	0.69	0.45
	Back	0.505	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.06	1.07	1.03	0.96	1.11	1.07
LTE Band 66(4) Ant 1	Front	0.495	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.05	1.06	0.82	0.91	0.78	0.54
	Back	0.614	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.17	1.18	1.14	1.07	1.22	1.18
LTE Band 38 Ant 0	Front	0.272	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.83	0.84	0.59	0.68	0.56	0.31
	Back	0.344	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.90	0.91	0.87	0.80	0.95	0.91
LTE Band 38 Ant 1	Front	0.296	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.85	0.86	0.62	0.71	0.58	0.34
	Back	0.467	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.02	1.03	1.00	0.92	1.07	1.04
LTE Band 41 Ant 0	Front	0.338	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.89	0.90	0.66	0.75	0.62	0.38
	Back	0.413	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.97	0.98	0.94	0.87	1.02	0.98
LTE Band 41 Ant 1	Front	0.235	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.79	0.80	0.56	0.65	0.52	0.28
	Back	0.405	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.96	0.97	0.93	0.86	1.01	0.97
LTE Band 42 Part27Q Ant 2	Front	0.066	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.62	0.63	0.39	0.48	0.35	0.11
	Back	0.976	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.53	1.54	1.50	1.43	1.58	1.54
LTE Band 38-PC2 Ant 0	Front	0.946	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.50	1.51	1.27	1.36	1.23	0.99
	Back	0.946	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.50	1.51	1.47	1.40	1.55	1.51





LTE Band 38-PC2 Ant 1	Front	0.933	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.49	1.50	1.25	1.35	1.22	0.97
	Back	0.933	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.49	1.50	1.46	1.39	1.54	1.50
LTE Band 48 Ant 2	Front	0.077	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.63	0.64	0.40	0.49	0.36	0.12
	Back	0.903	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.46	1.47	1.43	1.36	1.51	1.47

<5G NR Mode>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+4+10 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+9+10 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only +WLAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only +WLAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only +WLAN 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN5 GHz Ant 5+6 DBS Only +WLAN 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only +WLAN 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WIFI 6E Ant 5+6 1g SAR (W/kg)							
FR1 n5 Ant 0	Front	0.603	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.16	1.17	0.92	1.02	0.89	0.64
	Back	0.939	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.49	1.51	1.47	1.39	1.55	1.51
FR1 n66 Ant 1	Front	0.573	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.13	1.14	0.89	0.99	0.86	0.61
	Back	0.776	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.33	1.34	1.30	1.23	1.38	1.34
FR1 n7 Ant 0	Front	0.386	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.94	0.95	0.71	0.80	0.67	0.43
	Back	0.448	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.00	1.01	0.98	0.90	1.05	1.02
FR1 n7 Ant 1	Front	0.497	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	1.05	1.06	0.82	0.91	0.78	0.54
	Back	0.686	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.24	1.25	1.21	1.14	1.29	1.25
FR1 n38 Ant 1	Front	0.285	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.84	0.85	0.61	0.70	0.57	0.33
	Back	0.445	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.00	1.01	0.97	0.90	1.05	1.01
FR1 n77 Part 27O Ant 2	Front	0.087	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.64	0.65	0.41	0.50	0.37	0.13
	Back	0.820	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.37	1.39	1.35	1.28	1.43	1.39
FR1 n77 Part 27Q Ant 2	Front	0.073	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.63	0.64	0.39	0.49	0.36	0.11
	Back	0.938	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.49	1.50	1.47	1.39	1.54	1.51
FR1 n78-PC2 Part 27O Ant 2	Front	0.093	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.65	0.66	0.41	0.51	0.38	0.13
	Back	0.924	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.48	1.49	1.45	1.38	1.53	1.49
FR1 n78-PC2 Part 27Q Ant 2	Front	0.080	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.63	0.65	0.40	0.49	0.37	0.12
	Back	0.903	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.46	1.47	1.43	1.36	1.51	1.47



<SRS Mode>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	2+5 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+4+10 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+6+9 Summed 1g SAR (W/kg)	1+9+10 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 +WLAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 +DBS 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 Only 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 +WLAN 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 +DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WIFI 6E Ant 5+6 1g SAR (W/kg)							
FR1 n78 Part 27O Ant 3	Front	0.043	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.60	0.61	0.36	0.46	0.33	0.08
	Back	0.047	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.60	0.61	0.58	0.50	0.65	0.62
FR1 n78 Part 27Q Ant 3	Front	0.039	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.59	0.60	0.36	0.45	0.32	0.08
	Back	0.048	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.60	0.61	0.58	0.50	0.65	0.62
FR1 n78-PC2 Part 27O Ant 7	Front	0.033	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.59	0.60	0.35	0.44	0.32	0.07
	Back	0.648	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.20	1.21	1.18	1.10	1.25	1.22
FR1 n78-PC2 Part 27Q Ant 7	Front	0.042	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.60	0.61	0.36	0.45	0.33	0.08
	Back	0.651	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	1.20	1.22	1.18	1.11	1.26	1.22
FR1 n78 Part 27O Ant 8	Front	0.033	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.59	0.60	0.35	0.45	0.32	0.07
	Back	0.133	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.69	0.70	0.66	0.59	0.74	0.70
FR1 n78 Part 27Q Ant 8	Front	0.023	0.714	0.554	0.282	0.749	0.284	0.284	0.128	0.002	0.038	1.46	0.58	0.59	0.34	0.44	0.31	0.06
	Back	0.164	0.714	0.554	0.282	0.749	0.284	0.284	0.171	0.322	0.246	1.46	0.72	0.73	0.69	0.62	0.77	0.73

< sensor off>

WWAN Band	Exposure Position	1	2	3	1+2+3
		WWAN	WLAN2.4GHz	WLAN5GHz	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN Band	Front at 18mm -	0.682	0.134	0.139	0.96
	Back at 21mm -	0.785	0.144	0.409	1.34



### 17.5 Product specific 10g SAR Exposure Conditions

**Remark:**

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

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	2+5	1+3	1+4+7	1+6	2+8	1+4+8
		WWAN 10g SAR (W/kg)	WLAN2.4GHz Ant 4+6 DBS Only 10g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN+WLAN 10g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN+DBS 10g SAR (W/kg)	WLAN5GHz Ant 5+6 DBS Only 10g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN+WLAN 10g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN+DBS 10g SAR (W/kg)	WIFI 6E 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
GSM850 Ant 0	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.81	0.79
	Back	1.735	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.14	3.20	3.13	2.30	3.01
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
GSM850 Ant 1	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.81	0.79
	Back		1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	1.40	1.46	1.39	2.30	1.28
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side	1.745	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.15	3.21	3.14	1.93	2.66
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
GSM1900 Ant 0	Front	2.399	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.80	<b>3.86</b>	3.79	1.81	3.19
	Back	2.399	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.80	3.86	3.79	2.30	3.68
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	2.399	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.80	3.86	3.79	1.77	3.15
WCDMA II Ant 0	Front	2.208	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.61	3.67	3.60	1.81	3.00
	Back	2.208	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.61	3.67	3.60	2.30	3.48
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	2.208	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.61	3.67	3.60	1.77	2.96
WCDMA IV Ant 0	Front	2.264	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.67	3.73	3.66	1.81	3.06
	Back	2.264	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.67	3.73	3.66	2.30	3.54
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	2.264	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.67	3.73	3.66	1.77	3.01
WCDMA V Ant 0	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.81	0.79
	Back	1.943	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.34	3.40	3.33	2.30	3.22
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
LTE Band 7 Ant 0	Front	2.085	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.49	3.55	3.48	1.81	2.88
	Back	2.085	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.49	3.55	3.48	2.30	3.36
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	2.085	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.49	3.55	3.48	1.77	2.83
LTE Band 7 Ant 1	Front	2.224	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.63	3.69	3.62	1.81	3.02
	Back	2.224	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.63	3.69	3.62	2.30	3.50
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side	2.224	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.63	3.69	3.62	1.93	3.14
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.63	3.69	3.62	2.30	3.50



LTE Band 25(2) Ant 0	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
	Front	2.265	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.67	3.73	3.66	1.81	3.06
	Back	2.265	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.67	3.73	3.66	2.30	3.54
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	2.265	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.67	3.73	3.66	1.77	3.01
LTE Band 25(2) Ant 1	Front	2.368	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.77	3.83	3.76	1.81	3.16
	Back	2.368	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.77	3.83	3.76	2.30	3.64
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side	2.368	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.77	3.83	3.76	1.93	3.28
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
LTE Band 66(4) Ant 0	Front	2.399	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.80	3.86	3.79	1.81	3.19
	Back	2.399	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.80	3.86	3.79	2.30	3.68
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	2.399	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.80	3.86	3.79	1.77	3.15
LTE Band 66(4) Ant 1	Front	2.295	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.70	3.76	3.69	1.81	3.09
	Back	2.295	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.70	3.76	3.69	2.30	3.57
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side	2.295	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.70	3.76	3.69	1.93	3.21
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
LTE Band 38 Ant 0	Front	1.159	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	2.56	2.62	2.55	1.81	1.95
	Back	1.550	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	2.95	3.01	2.94	2.30	2.83
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	1.414	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	2.82	2.88	2.81	1.77	2.16
LTE Band 38-PC2 Ant 0	Front	1.919	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.32	3.38	3.31	1.81	2.71
	Back	1.919	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.32	3.38	3.31	2.30	3.20
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	1.919	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.32	3.38	3.31	1.77	2.67
LTE Band 38 Ant 1	Front	2.277	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.68	3.74	3.67	1.81	3.07
	Back	2.277	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.68	3.74	3.46	2.30	3.55
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side	2.277	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.68	3.74	3.67	1.93	3.19
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
LTE Band 38-PC2 Ant 1	Front	2.318	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.72	3.78	3.71	1.81	3.11
	Back	2.318	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.72	3.78	3.71	2.30	3.59
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side	2.318	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.72	3.78	3.71	1.93	3.23
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
LTE Band 41 Ant 0	Front	1.730	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.13	3.19	3.12	1.81	2.52
	Back	1.730	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.13	3.19	3.12	2.30	3.01
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.93	0.91
	Bottom side	1.730	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.13	3.19	3.12	1.77	2.48
LTE Band	Front	2.226	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.63	3.69	3.62	1.81	3.02



**FCC SAR Test Report**

**Report No. : FA192317**

41 Ant 1	Back	2.226	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.63	3.69	3.62	2.30	3.50
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Top side	2.226	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.63	3.69	3.62	1.93	3.14
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
LTE Band 42 Part27Q Ant 2	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.81	0.79
	Back	2.252	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.65	3.71	3.64	2.30	3.53
	Left side	2.252	1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	3.65	3.71	3.64	1.86	3.09
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75
LTE Band 48 Ant 2	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.81	0.79
	Back	2.265	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.67	3.73	3.66	2.30	3.54
	Left side	2.265	1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	3.67	3.73	3.66	1.86	3.10
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.86	0.84
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.77	0.75



<5GNR Mode>

FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	2+5 Summed 10g SAR (W/kg)	1+3 Summed 10g SAR (W/kg)	1+4+7 Summed 10g SAR (W/kg)	1+6 Summed 10g SAR (W/kg)	2+8 Summed 10g SAR (W/kg)	1+4+8 Summed 10g SAR (W/kg)
		WWAN	WLAN2.4GHz Ant 4+6 DBS Only	WLAN2.4GHz Ant 4+6 WWAN + WLAN	WLAN2.4GHz Ant 4+6 WWAN + DBS	WLAN5GHz Ant 5+6 DBS Only	WLAN5GHz Ant 5+6 WWAN + WLAN	WLAN5GHz Ant 5+6 WWAN + DBS	WIFI 6E						
FR1 n66 Ant 1	Front	2.184	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.59	3.65	3.58	1.76	2.98
	Back	2.184	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.59	3.65	3.58	1.76	3.46
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side	2.184	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.59	3.65	3.58	1.76	3.10
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.76	0.75
FR1 n7 Ant 0	Front	2.213	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.61	3.67	3.60	1.76	3.01
	Back	2.213	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.61	3.67	3.60	1.76	3.49
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.76	0.91
	Bottom side	2.213	1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	3.61	3.67	3.60	1.76	2.96
FR1 n7 Ant 1	Front	2.335	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.74	3.80	3.73	1.76	3.13
	Back	2.335	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.74	3.80	3.73	1.76	3.61
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side	2.335	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.74	3.80	3.73	1.76	3.25
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.76	0.75
FR1 n38 Ant 1	Front	2.244	1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	3.65	3.71	3.64	1.76	3.04
	Back	2.244	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.65	3.71	3.64	1.76	3.52
	Left side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side	2.244	1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	3.65	3.71	3.64	1.76	3.16
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.76	0.75
FR1 n77 Part 27Q Ant 2	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.76	0.79
	Back	2.076	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.48	3.54	3.47	1.76	3.35
	Left side	1.312	1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	2.71	2.77	2.70	1.76	2.15
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.76	0.91
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.76	0.75
FR1 n77 Part 27Q Ant 2	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.76	0.79
	Back	2.044	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.45	3.51	3.44	1.76	3.32
	Left side	1.054	1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	2.46	2.52	2.45	1.76	1.89
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.76	0.91
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.76	0.75
FR1 n78-PC2 Part 27Q Ant 2	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.76	0.79
	Back	1.731	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.13	3.19	3.12	1.76	3.01
	Left side	1.472	1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	2.87	2.93	2.86	1.76	2.31
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.76	0.91
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.76	0.75
FR1 n78-PC2 Part 27Q Ant 2	Front		1.761	1.401	0.742	1.737	1.391	0.719	0.052	3.50	1.40	1.46	1.39	1.76	0.79
	Back	2.037	1.761	1.401	0.742	1.737	1.391	0.719	0.534	3.50	3.44	3.50	3.43	1.76	3.31
	Left side	1.476	1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	2.88	2.94	2.87	1.76	2.31
	Right side		1.761	1.401	0.742	1.737	1.391	0.719	0.094	3.50	1.40	1.46	1.39	1.76	0.84
	Top side		1.761	1.401	0.742	1.737	1.391	0.719	0.172	3.50	1.40	1.46	1.39	1.76	0.91
	Bottom side		1.761	1.401	0.742	1.737	1.391	0.719	0.007	3.50	1.40	1.46	1.39	1.76	0.75



## 18. Supplemental tuner tests results

### General Note:

1. This device impedance tuner (158 status) antenna tuning techniques in the WCDMA II/IV/V, LTE Band 2/4/5/7/12/13/17/25/26/38/41/66, 5GNR n5/n7 for ANT0.
2. This device impedance tuner (186 status) antenna tuning techniques in the WCDMA V, LTE Band 2/4/5/12/13/17/25/26/38/41/66, 5GNR n7/n38/n66 for ANT1.
3. LTE B38 / B4 / B5 / B17 SAR test was covered by LTE B25 / B66 / B26 / B12; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
5. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
6. To evaluate all of the tuner states, the 158 tuner states for ANT0 and the 186 tuner states for ANT1 are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
7. According to TCBC 201904 workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
8. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).

### 18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

**Test Engineer** : Nick Hu, Seven Xu, Bruce Li



## **19. Uncertainty Assessment**

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be  $\leq 30\%$ , 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.



## **20. References**

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

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



## **Appendix A. Plots of System Performance Check**

The plots are shown as follows.

### System Check\_Head\_750MHz

**DUT: D750V3 - SN:1087**

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

Medium: HSL\_750 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 43.396$ ;  $\rho = 1000$  kg/m<sup>3</sup>

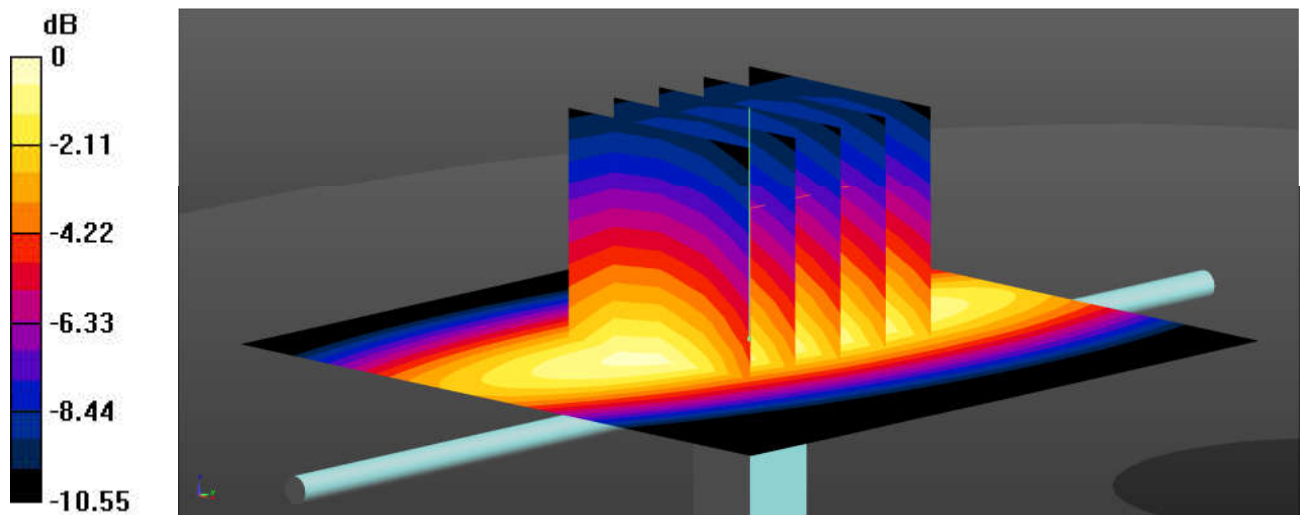
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

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

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.557 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 25.60 V/m; Power Drift = -0.00 dB  
Peak SAR (extrapolated) = 0.631 W/kg  
**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.275 W/kg**  
Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg = -2.53 dBW/kg

### System Check\_Head\_835MHz

**DUT: D835V2 - SN:4d258**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium: HSL\_835 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 41.176$ ;  $\rho = 1000 \text{ kg/m}^3$

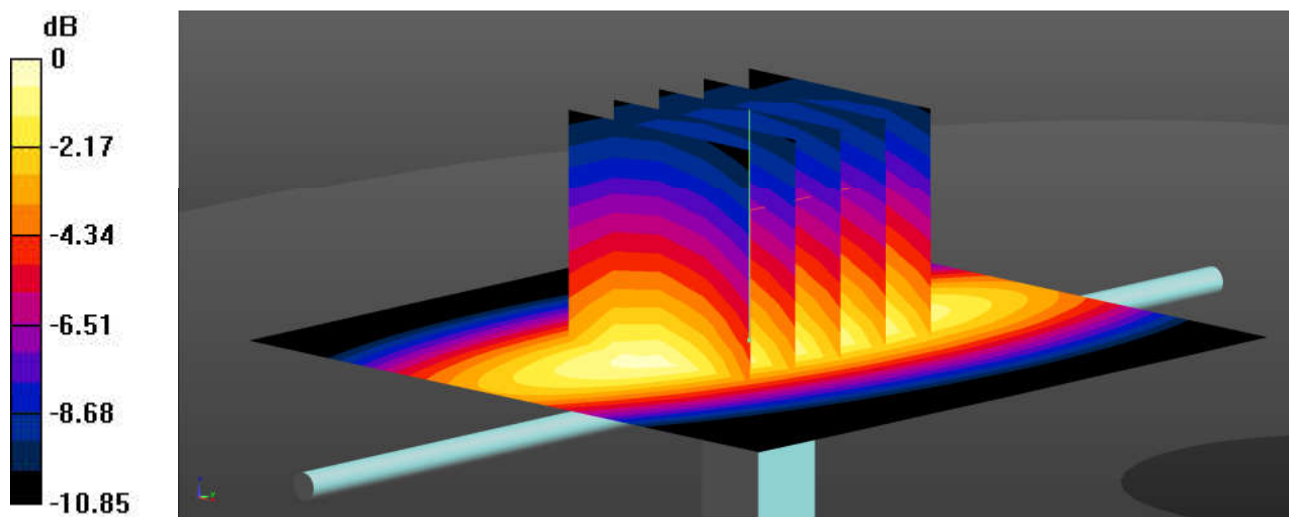
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.680 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 28.84 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.772 W/kg  
**SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.328 W/kg**  
Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.680 W/kg = -1.67 dBW/kg

### System Check\_Head\_1750MHz

**DUT: D1750V2 - SN:1090**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.394$  S/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

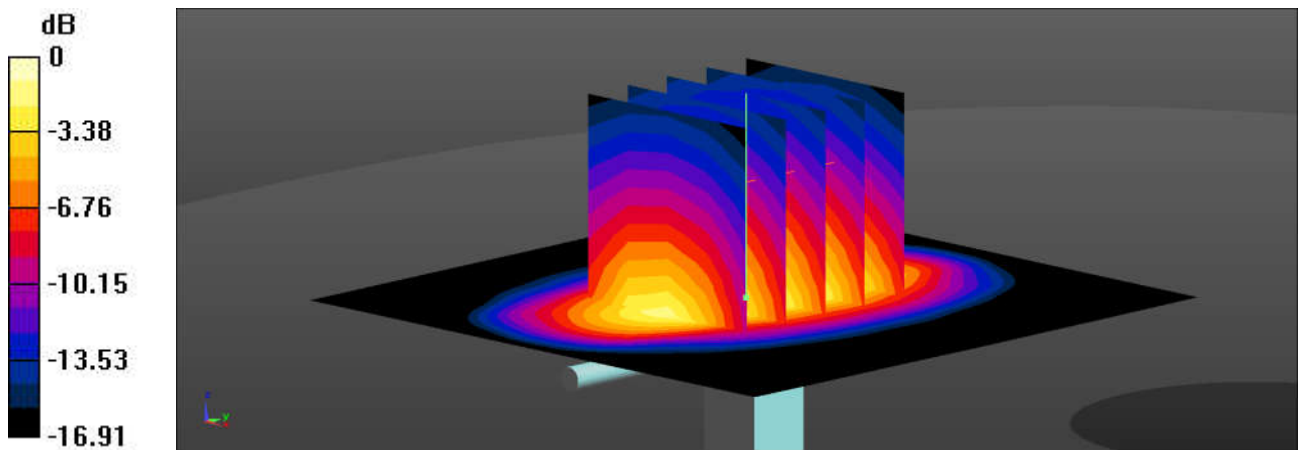
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

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

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

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 46.49 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 3.41 W/kg  
**SAR(1 g) = 1.87 W/kg; SAR(10 g) = 0.994 W/kg**  
Maximum value of SAR (measured) = 2.88 W/kg



0 dB = 2.88 W/kg = 4.59 dBW/kg

### System Check\_Head\_1900MHz

**DUT: D1900V2 - SN:5d170**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.458$  S/m;  $\epsilon_r = 39.79$ ;  $\rho = 1000$  kg/m<sup>3</sup>

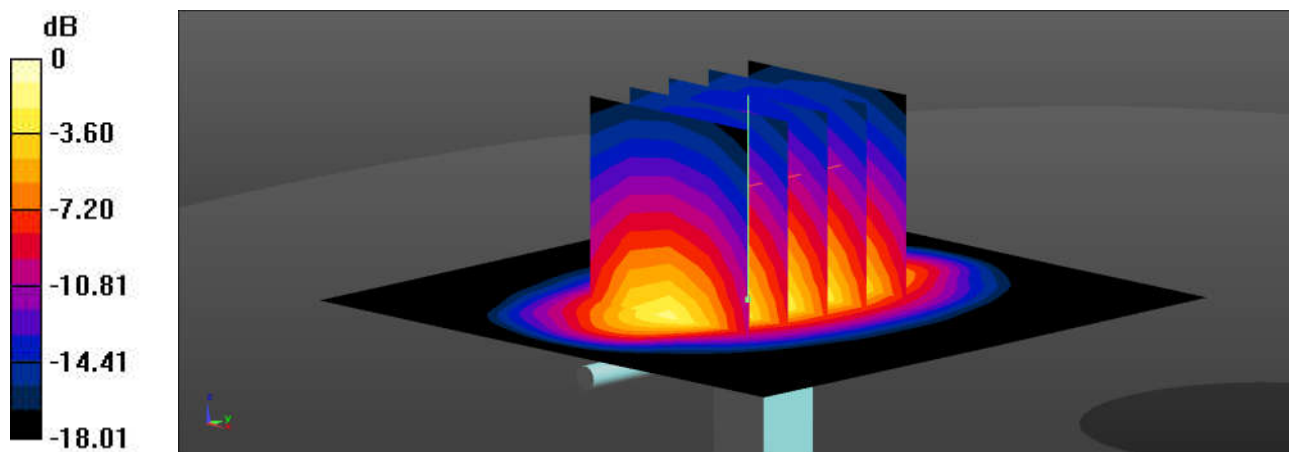
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 3.13 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 46.92 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 3.80 W/kg  
**SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.04 W/kg**  
Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 3.18 W/kg = 5.02 dBW/kg

### System Check\_Head\_2450MHz

**DUT: D2450V2 - SN:908**

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

Medium: HSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 38.565$ ;  $\rho = 1000$  kg/m<sup>3</sup>

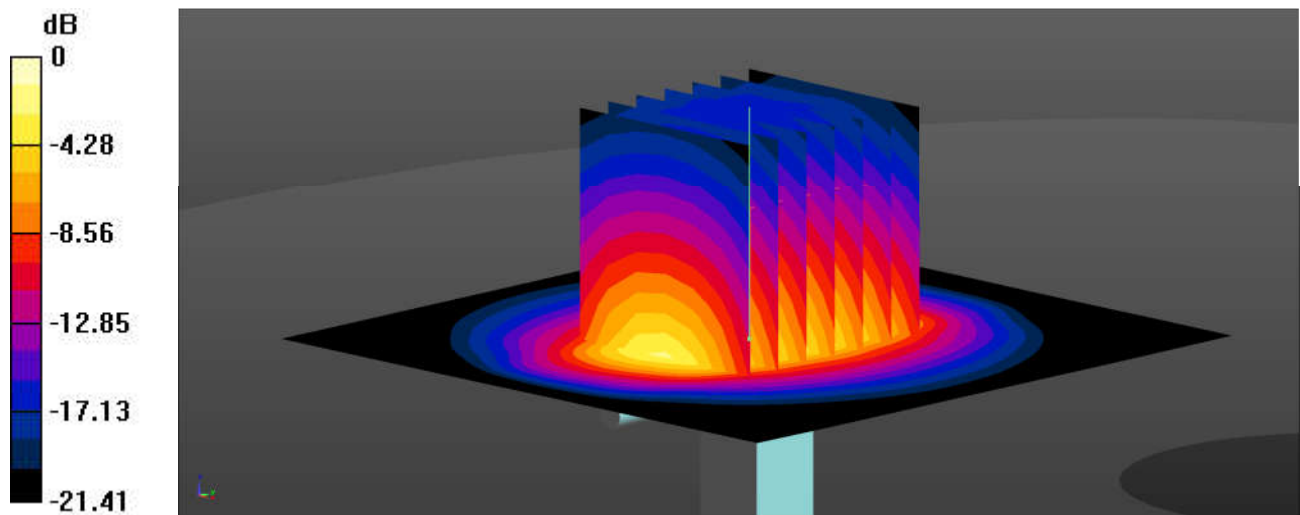
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

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

**Pin=50mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 3.93 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 47.87 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 4.68 W/kg  
**SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.13 W/kg**  
Maximum value of SAR (measured) = 3.91 W/kg



0 dB = 3.91 W/kg = 5.92 dBW/kg

### System Check\_Head\_2600MHz

**DUT: D2600V2 - SN:1061**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium: HSL\_2600 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.923$  S/m;  $\epsilon_r = 38.258$ ;  $\rho = 1000$  kg/m<sup>3</sup>

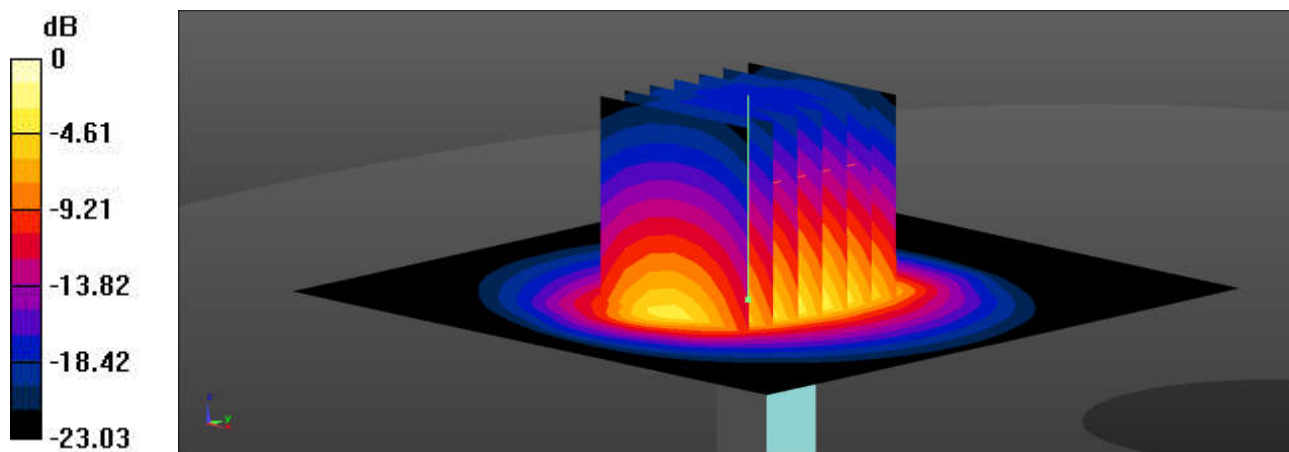
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 4.34 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 49.66 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 5.49 W/kg  
**SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.17 W/kg**  
Maximum value of SAR (measured) = 4.39 W/kg



0 dB = 4.39 W/kg = 6.42 dBW/kg



### System Check\_Head\_3500MHz

**DUT: D3500V2 - SN:1037**

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1  
Medium: HSL\_3500 Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.787$  S/m;  $\epsilon_r = 39.107$ ;  $\rho = 1000$  kg/m<sup>3</sup>

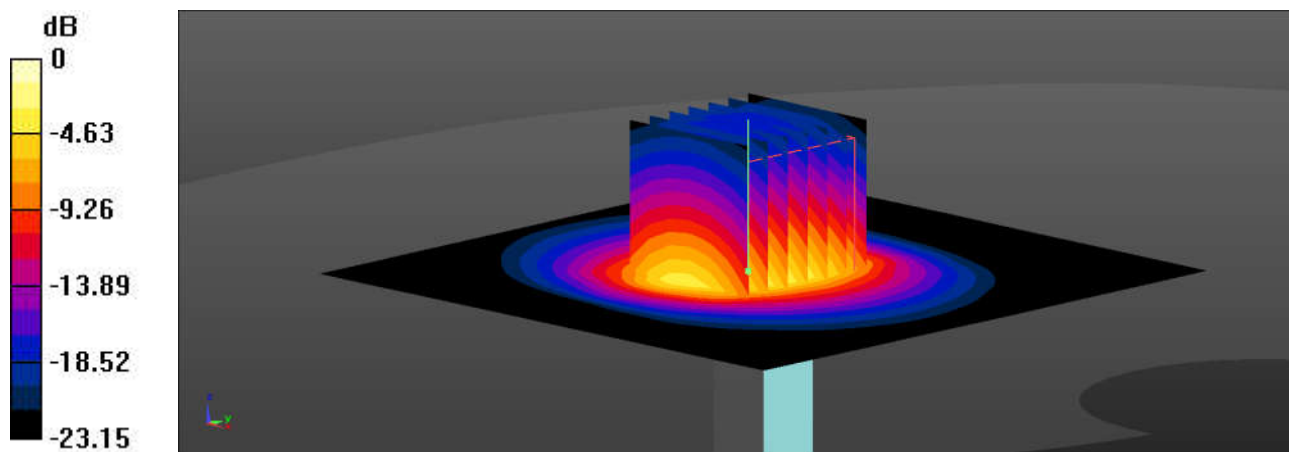
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

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

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 5.03 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 34.66 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 7.19 W/kg  
**SAR(1 g) = 3.19 W/kg; SAR(10 g) = 1.23 W/kg**  
Maximum value of SAR (measured) = 5.58 W/kg



0 dB = 5.58 W/kg = 7.47 dBW/kg

### System Check\_Head\_3700MHz

**DUT: D3700V2 - SN:1008**

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1  
Medium: HSL\_3700 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.023$  S/m;  $\epsilon_r = 38.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

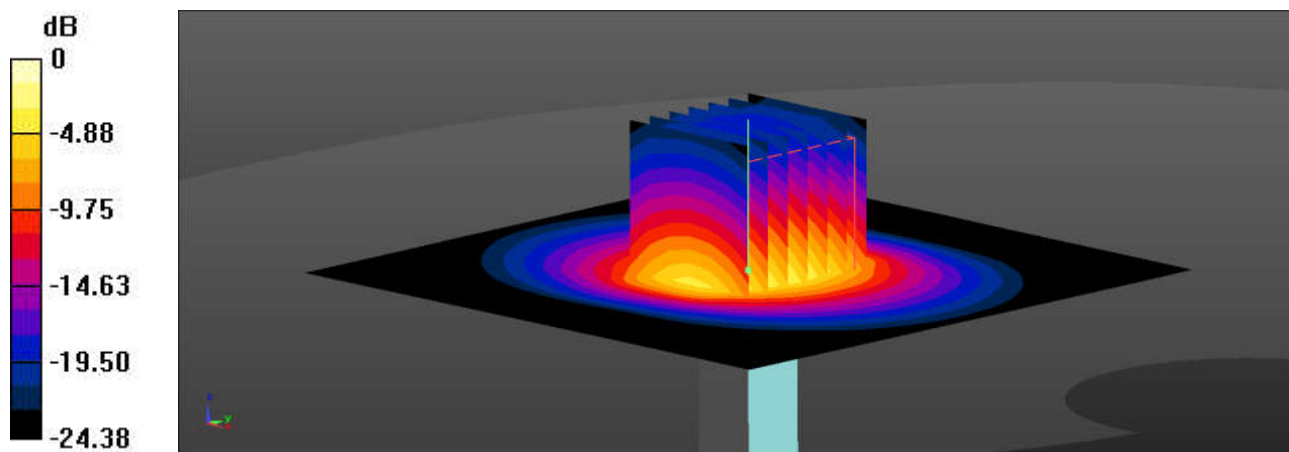
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 5.03 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 32.90 V/m; Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 7.43 W/kg  
**SAR(1 g) = 3.15 W/kg; SAR(10 g) = 1.27 W/kg**  
Maximum value of SAR (measured) = 5.65 W/kg



0 dB = 5.65 W/kg = 7.52 dBW/kg

### System Check\_Head\_3900MHz

**DUT: D3900V2 - SN:1048**

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1  
Medium: HSL\_3900 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.177$  S/m;  $\epsilon_r = 38.251$ ;  $\rho = 1000$  kg/m<sup>3</sup>

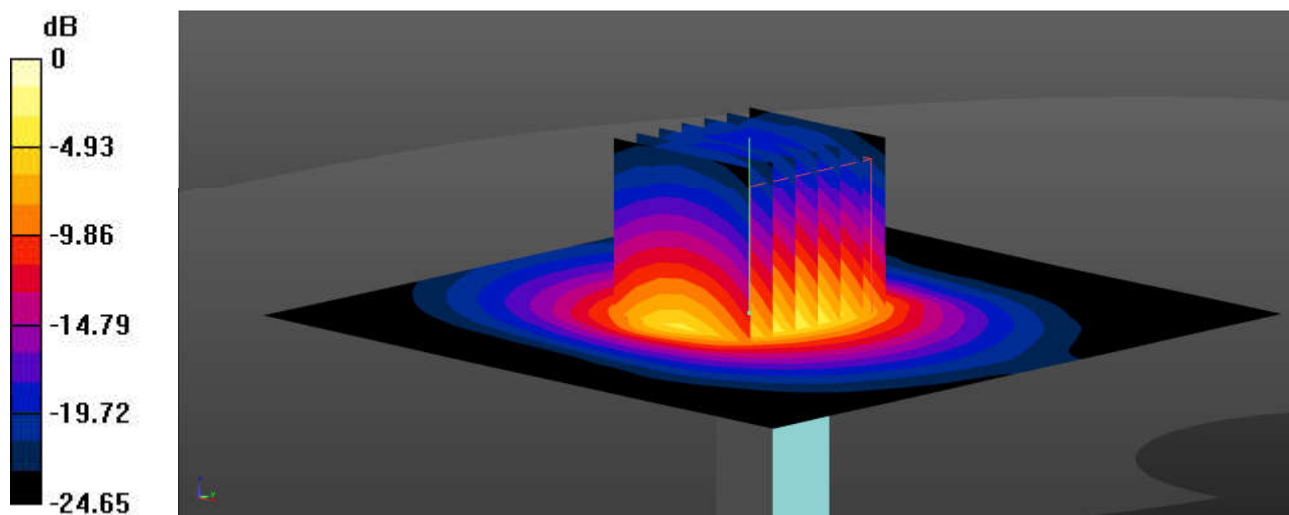
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3935; ConvF(6.99, 6.99, 6.99); Calibrated: 2021.4.29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1650; Calibrated: 2021.6.9
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 6.77 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 46.01 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 9.30 W/kg  
**SAR(1 g) = 3.3 W/kg; SAR(10 g) = 1.18 W/kg**  
Maximum value of SAR (measured) = 6.71 W/kg



0 dB = 6.71 W/kg = 8.27 dBW/kg

### System Check\_Head\_5250MHz

#### DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1  
Medium: HSL\_5000 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.589$  S/m;  $\epsilon_r = 36.226$ ;  $\rho = 1000$  kg/m<sup>3</sup>

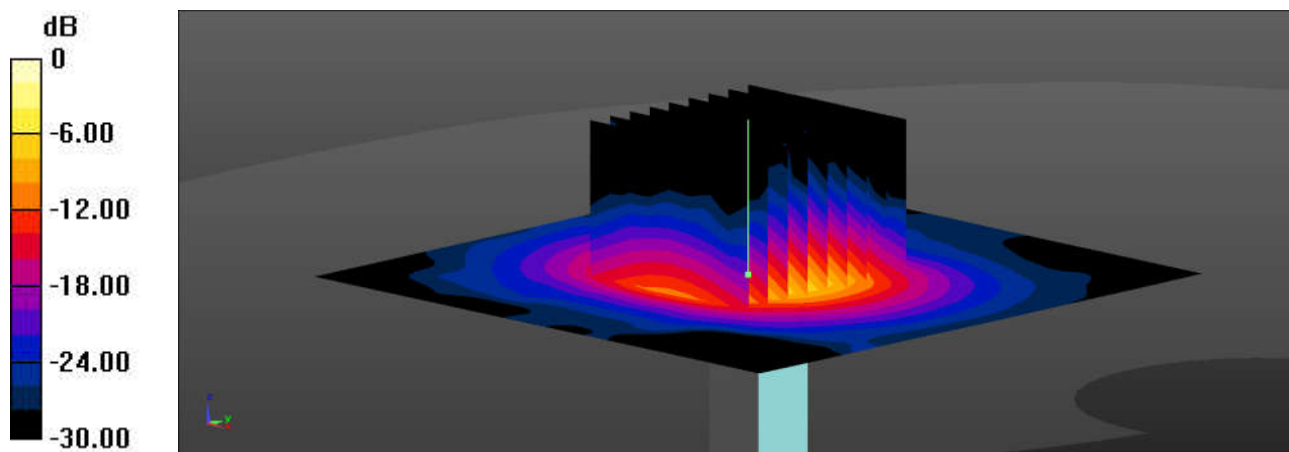
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 7.87 W/kg

**Pin=50mW/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 47.47 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 13.8 W/kg  
**SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.15 W/kg**  
Maximum value of SAR (measured) = 8.75 W/kg



0 dB = 8.75 W/kg = 9.42 dBW/kg

### System Check\_Head\_5600MHz

**DUT: D5GHzV2 - SN:1113**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium: HSL\_5000 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.968$  S/m;  $\epsilon_r = 35.681$ ;  $\rho = 1000$  kg/m<sup>3</sup>

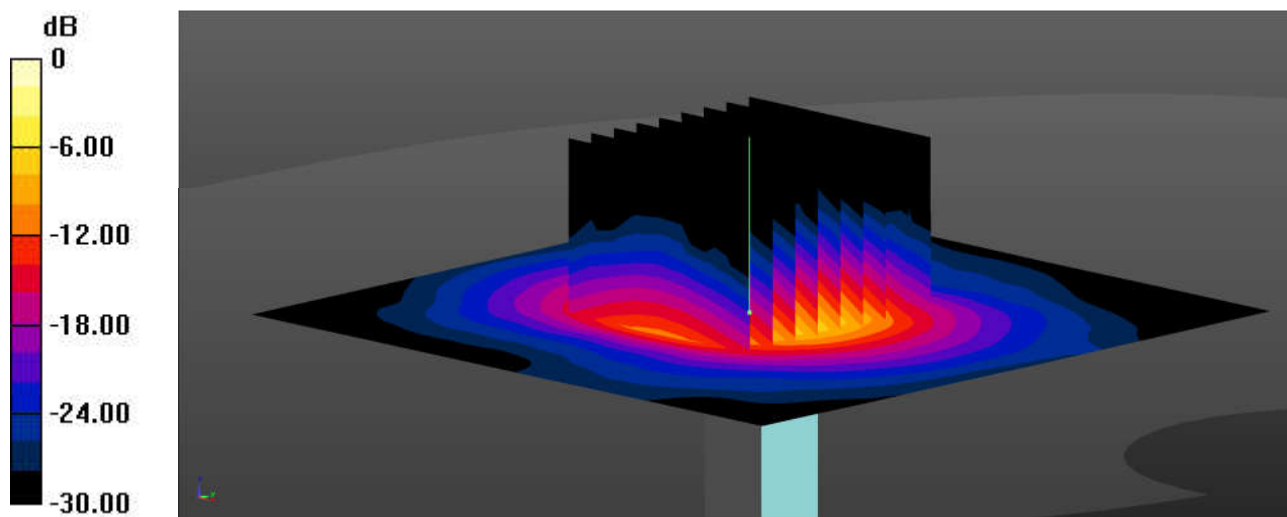
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

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

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

**Pin=50mW/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 48.35 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 16.1 W/kg  
**SAR(1 g) = 3.92 W/kg; SAR(10 g) = 1.25 W/kg**  
Maximum value of SAR (measured) = 9.66 W/kg



0 dB = 9.66 W/kg = 9.85 dBW/kg

### System Check\_Head\_5750MHz

#### DUT: D5GHzV2 - SN:1113

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1  
Medium: HSL\_5000 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.138$  S/m;  $\epsilon_r = 35.51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

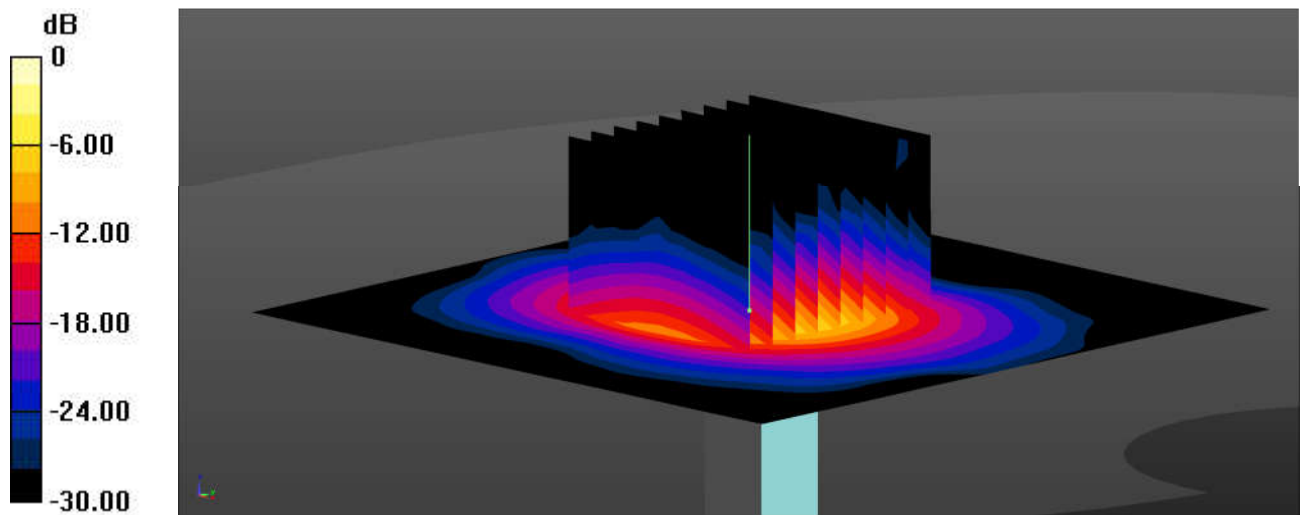
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 8.08 W/kg

**Pin=50mW/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 45.18 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 14.9 W/kg  
**SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.05 W/kg**  
Maximum value of SAR (measured) = 8.71 W/kg



0 dB = 8.71 W/kg = 9.40 dBW/kg

### System Check\_Head\_750MHz

**DUT: D750V3 - SN:1087**

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

Medium: HSL\_750 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.898 \text{ S/m}$ ;  $\epsilon_r = 42.323$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

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

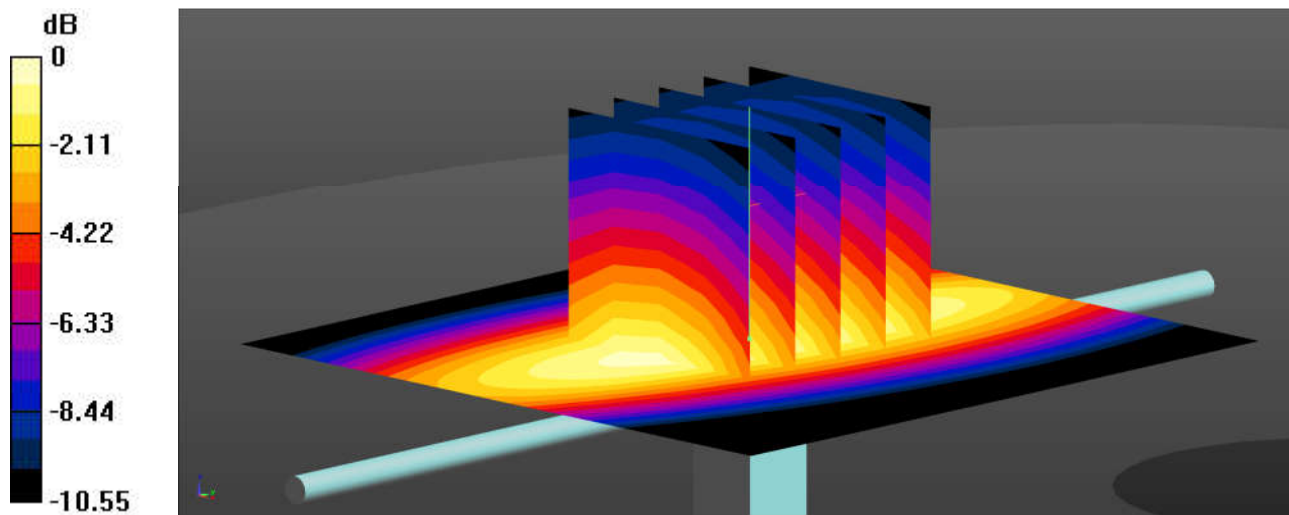
**Pin=50mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.546 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 25.88 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.615 W/kg

**SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.268 W/kg**

Maximum value of SAR (measured) = 0.545 W/kg



### System Check\_Head\_835MHz

**DUT: D835V2 - SN:4d258**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium: HSL\_835 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.928$  S/m;  $\epsilon_r = 42.06$ ;  $\rho = 1000$  kg/m<sup>3</sup>

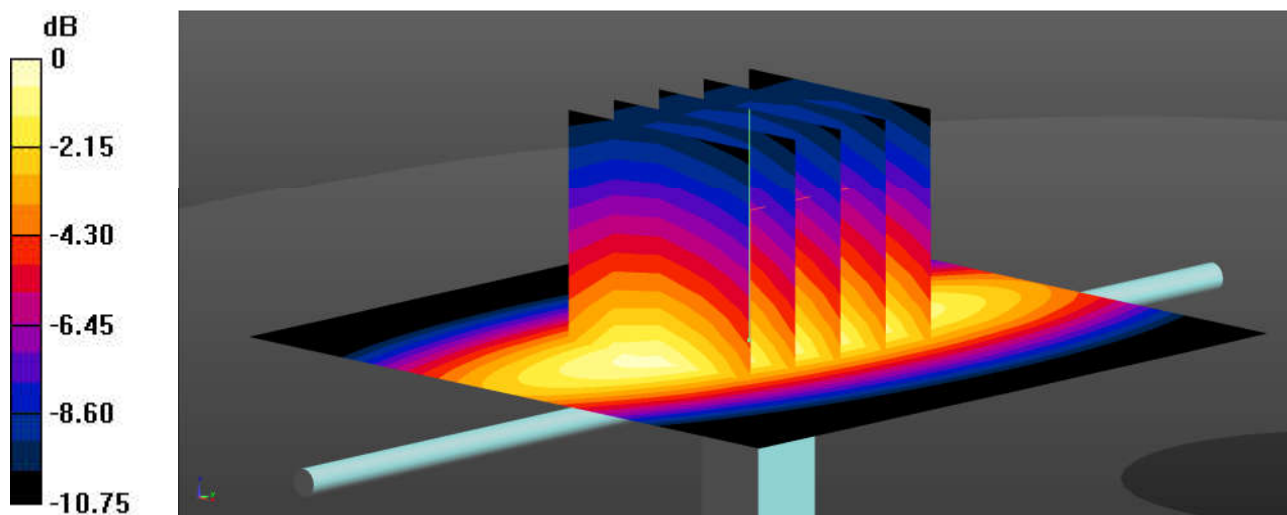
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

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

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.672 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 27.84 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 0.765 W/kg  
**SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.326 W/kg**  
Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.674 W/kg = -1.71 dBW/kg



### System Check\_Head\_1750MHz

**DUT: D1750V2 - SN:1090**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.38$  S/m;  $\epsilon_r = 39.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

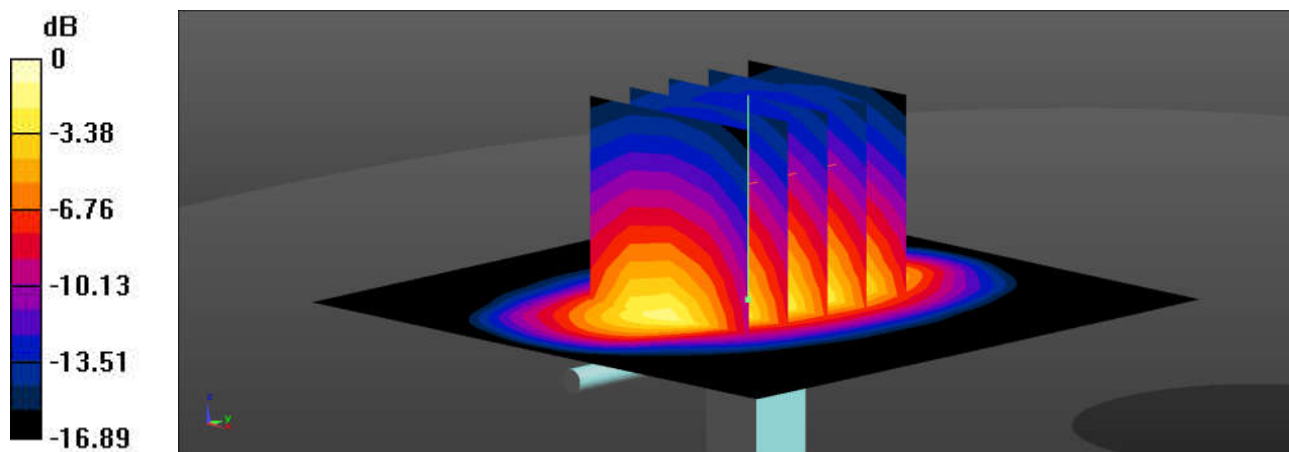
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 2.83 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 47.34 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 3.35 W/kg  
**SAR(1 g) = 1.84 W/kg; SAR(10 g) = 0.984 W/kg**  
Maximum value of SAR (measured) = 2.83 W/kg



0 dB = 2.83 W/kg = 4.52 dBW/kg

### System Check\_Head\_1900MHz

**DUT: D1900V2 - SN:5d170**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.453$  S/m;  $\epsilon_r = 39.68$ ;  $\rho = 1000$  kg/m<sup>3</sup>

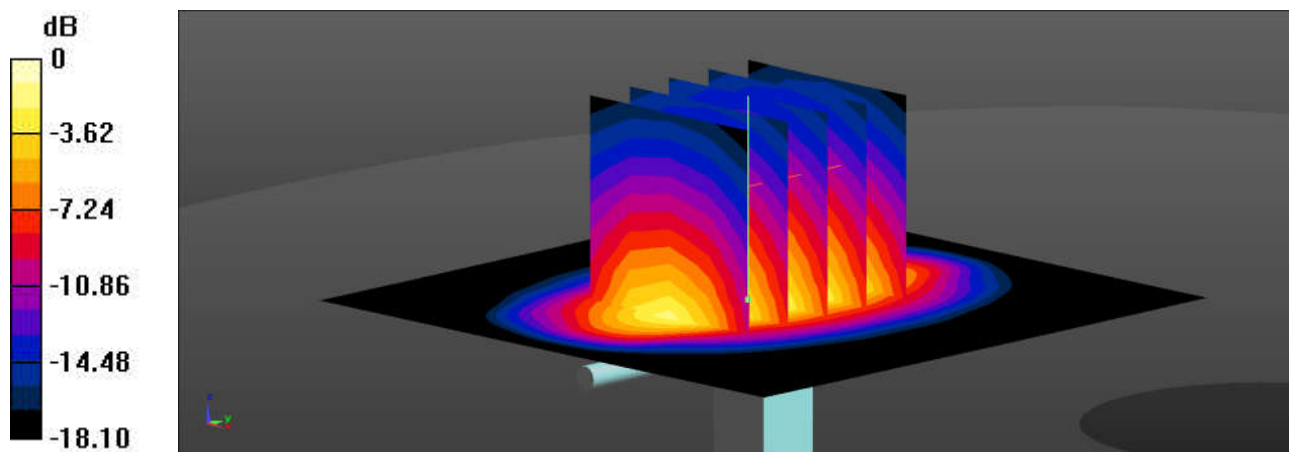
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 3.19 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 47.64 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 3.87 W/kg  
**SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.05 W/kg**  
Maximum value of SAR (measured) = 3.22 W/kg



0 dB = 3.22 W/kg = 5.08 dBW/kg

### System Check\_Head\_2450MHz

**DUT: D2450V2 - SN:908**

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

Medium: HSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.873$  S/m;  $\epsilon_r = 40.808$ ;  $\rho = 1000$  kg/m<sup>3</sup>

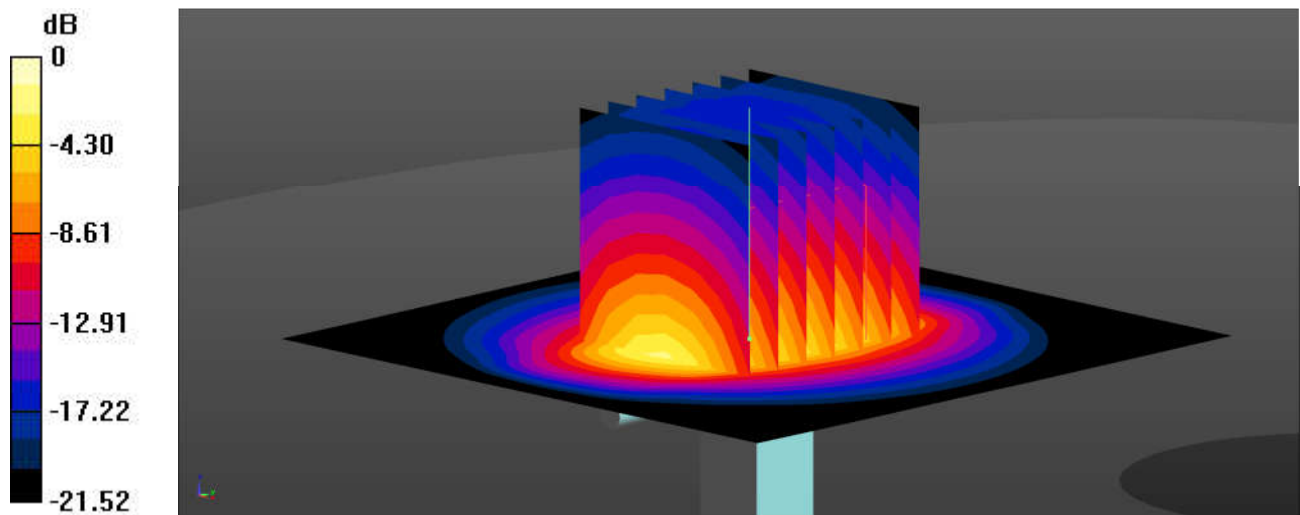
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

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

**Pin=50mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 4.22 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 48.97 V/m; Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 4.94 W/kg  
**SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.14 W/kg**  
Maximum value of SAR (measured) = 4.03 W/kg



0 dB = 4.03 W/kg = 6.05 dBW/kg

### System Check\_Head\_2600MHz

**DUT: D2600V2 - SN:1061**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium: HSL\_2600 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.98$  S/m;  $\epsilon_r = 40.596$ ;  $\rho = 1000$  kg/m<sup>3</sup>

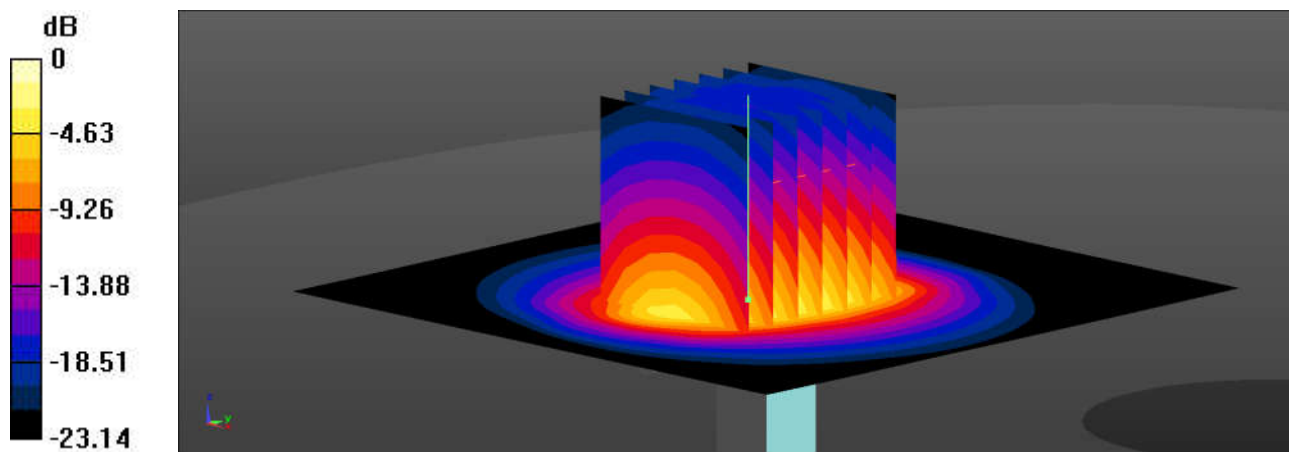
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 4.55 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 49.80 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 5.67 W/kg  
**SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.2 W/kg**  
Maximum value of SAR (measured) = 4.53 W/kg



0 dB = 4.53 W/kg = 6.56 dBW/kg

### System Check\_Head\_3500MHz

**DUT: D3500V2 - SN:1037**

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1  
 Medium: HSL\_3500 Medium parameters used:  $f = 3500 \text{ MHz}$ ;  $\sigma = 2.798 \text{ S/m}$ ;  $\epsilon_r = 38.957$ ;  $\rho = 1000 \text{ kg/m}^3$

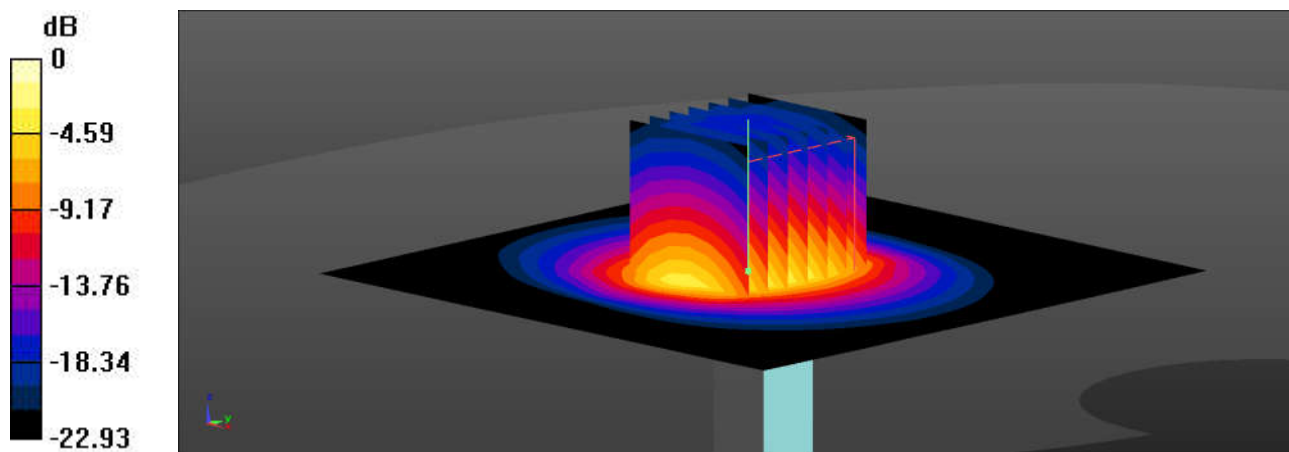
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$   
 Maximum value of SAR (interpolated) = 5.03 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$   
 Reference Value = 34.72 V/m; Power Drift = 0.13 dB  
 Peak SAR (extrapolated) = 7.13 W/kg  
**SAR(1 g) = 3.15 W/kg; SAR(10 g) = 1.23 W/kg**  
 Maximum value of SAR (measured) = 5.55 W/kg



0 dB = 5.55 W/kg = 7.44 dBW/kg

### System Check\_Head\_3700MHz

**DUT: D3700V2 - SN:1008**

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1  
Medium: HSL\_3700 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 2.981$  S/m;  $\epsilon_r = 38.65$ ;  $\rho = 1000$  kg/m<sup>3</sup>

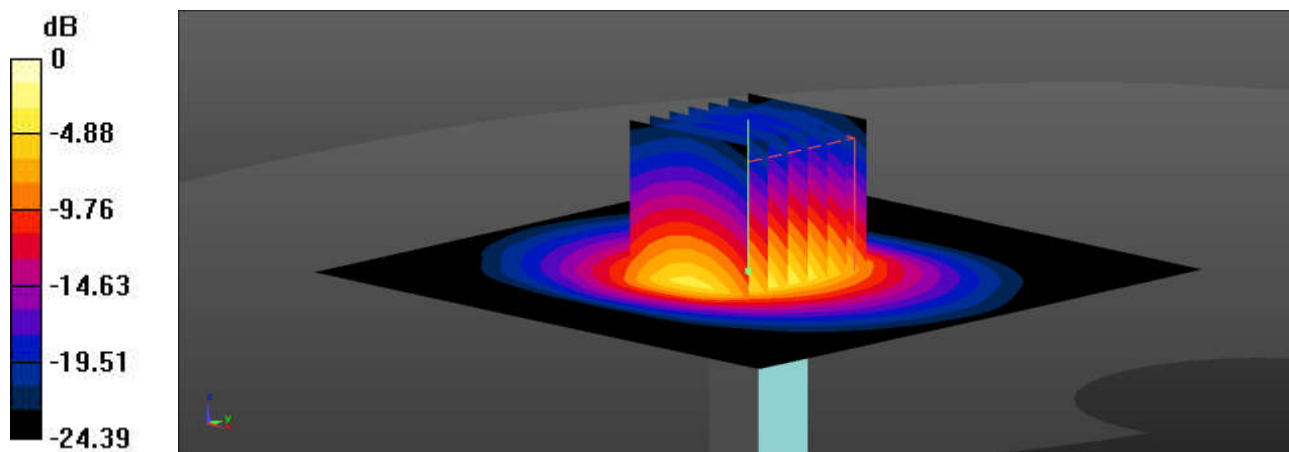
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

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

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 5.58 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 46.38 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 8.27 W/kg  
**SAR(1 g) = 3.22 W/kg; SAR(10 g) = 1.27 W/kg**  
Maximum value of SAR (measured) = 6.32 W/kg



0 dB = 6.32 W/kg = 8.01 dBW/kg

### System Check\_Head\_3900MHz

**DUT: D3900V2 - SN:1048**

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1  
Medium: HSL\_3900 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.181$  S/m;  $\epsilon_r = 38.361$ ;  $\rho = 1000$  kg/m<sup>3</sup>

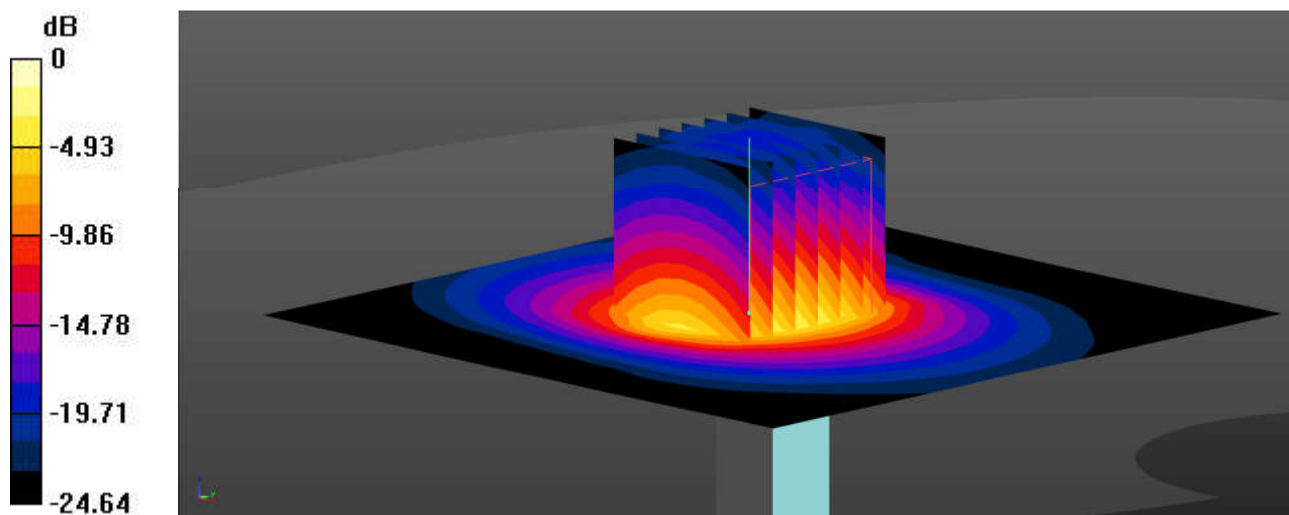
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3935; ConvF(6.99, 6.99, 6.99); Calibrated: 2021.4.29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1650; Calibrated: 2021.6.9
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 6.75 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 45.95 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 9.27 W/kg  
**SAR(1 g) = 3.29 W/kg; SAR(10 g) = 1.18 W/kg**  
Maximum value of SAR (measured) = 6.71 W/kg



0 dB = 6.71 W/kg = 8.27 dBW/kg