



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)
3500-3900MHz for SRS Ant																		
	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
Smart Folio and stylus mode																		
	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)
WLAN/Bluetooth																
	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	1.146
	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
Smart Folio and stylus mode																
	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	0.272
	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
Smart Folio and stylus mode																
	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	1.185
	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
Smart Folio and stylus mode																
	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	1.106
	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	1.107
	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

Sporton International (Kunshan) Inc.

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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)	1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																	
	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	0.843
	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	0.887
	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)
835MHz																		
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	0.931
	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	0.938
	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	0.940
	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	0.939
	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)
1750MHz																		
	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	0.935
	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	0.940
	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	0.937
	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
1900MHz																		
	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	0.922



FCC SAR Test Report

Report No. : FA192317

	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



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	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	50	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.08	15.20	1.294	-	-	0.06	0.211	0.273
	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	50	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.08	15.20	1.294	-	-	-0.18	0.263	0.340
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.19	15.20	1.262	-	-	-0.03	0.018	0.023
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.08	15.20	1.294	-	-	0.11	0.014	0.018
	LTE Band 7	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.19	15.20	1.262	-	-	-0.18	0.028	0.035
	LTE Band 7	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.08	15.20	1.294	-	-	0.03	0.023	0.030
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.19	15.20	1.262	-	-	0.04	0.725	0.915
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	20850	2510	13.99	15.20	1.321	-	-	0.04	0.701	0.926
39	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	21350	2560	14.13	15.20	1.279	-	-	-0.06	0.736	0.942
	LTE Band 7C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	21350+21152	2560+2540	14.06	15.20	1.300	-	-	0.01	0.589	0.766
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.08	15.20	1.294	-	-	0.16	0.598	0.774
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	21100	2535	14.07	15.20	1.297	-	-	-0.1	0.586	0.760
	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	50	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.40	16.70	1.349	-	-	-0.07	0.170	0.229
	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 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.40	16.70	1.349	-	-	0.06	0.253	0.341
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.45	16.70	1.334	-	-	0.07	0.016	0.021
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.40	16.70	1.349	-	-	-0.08	0.013	0.018
	LTE Band 7	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.45	16.70	1.334	-	-	0.01	0.039	0.052
	LTE Band 7	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.40	16.70	1.349	-	-	0.05	0.033	0.045
	LTE Band 7	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.45	16.70	1.334	-	-	0.03	0.610	0.813
	LTE Band 7	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	20850	2510	15.30	16.70	1.380	-	-	0.13	0.530	0.732
	LTE Band 7	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	21350	2560	15.39	16.70	1.352	-	-	0.06	0.686	0.928
	LTE Band 7C	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	2135+21152	2560+2579.8	15.31	16.70	1.377	-	-	0.01	0.511	0.704
	LTE Band 7	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.40	16.70	1.349	-	-	0.03	0.460	0.621
	LTE Band 7	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	21100	2535	15.36	16.70	1.361	-	-	0.07	0.463	0.630
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.75	17.80	1.274	62.9	1.006	0.07	0.212	0.272
	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	1	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.75	17.80	1.274	62.9	1.006	0.1	0.264	0.338
	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	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.75	17.80	1.274	62.9	1.006	-0.18	0.010	0.013
	LTE Band 38	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.68	17.80	1.294	62.9	1.006	0.08	0.011	0.014
	LTE Band 38	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.75	17.80	1.274	62.9	1.006	-0.07	0.026	0.033
	LTE Band 38	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.68	17.80	1.294	62.9	1.006	0.13	0.028	0.036
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.75	17.80	1.274	62.9	1.006	-0.05	0.578	0.741
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.68	17.80	1.294	62.9	1.006	-0.17	0.631	0.822
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	37850	2580	16.51	17.80	1.346	62.9	1.006	0.03	0.645	0.873
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	38150	2610	16.59	17.80	1.321	62.9	1.006	0.01	0.599	0.796
	LTE Band 38	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	38000	2595	16.66	17.80	1.300	62.9	1.006	0.06	0.591	0.773
40	LTE Band 38-PC2	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	37850	2580	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 Simultaneous	38000	2595	16.42	17.90	1.406	62.9	1.006	0.06	0.198	0.280
	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	1	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.42	17.90	1.406	62.9	1.006	0.09	0.315	0.446
	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	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.42	17.90	1.406	62.9	1.006	-0.13	0.011	0.016
	LTE Band 38	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.39	17.90	1.416	62.9	1.006	0.01	0.011	0.016
	LTE Band 38	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.42	17.90	1.406	62.9	1.006	0.08	0.053	0.075
	LTE Band 38	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.39	17.90	1.416	62.9	1.006	0.07	0.055	0.078
	LTE Band 38	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.42	17.90	1.406	62.9	1.006	0.02	0.605	0.856



FCC SAR Test Report

Report No. : FA192317

	LTE Band 38	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	37850	2580	16.28	17.90	1.452	62.9	1.006	0.04	0.551	0.805
	LTE Band 38	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	38150	2610	16.36	17.90	1.426	62.9	1.006	0.01	0.641	0.919
	LTE Band 38	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.39	17.90	1.416	62.9	1.006	0.03	0.633	0.902
	LTE Band 38	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	37850	2580	16.21	17.90	1.476	62.9	1.006	0.01	0.615	0.913
	LTE Band 38	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	38150	2610	16.30	17.90	1.445	62.9	1.006	0.01	0.634	0.922
	LTE Band 38	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	38000	2595	16.38	17.90	1.419	62.9	1.006	0.03	0.631	0.901
	LTE Band 38-PC2	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	38150	2610	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	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	37850	2580	18.38	19.40	1.265	42.9	1.009	0.04	0.681	0.869
	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	50	0	-	Front	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.23	17.30	1.279	62.9	1.006	0.04	0.196	0.252
	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	50	0	-	Back	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.23	17.30	1.279	62.9	1.006	0.04	0.271	0.349
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.29	17.30	1.262	62.9	1.006	0.09	0.016	0.020
	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.23	17.30	1.279	62.9	1.006	-0.06	0.013	0.017
	LTE Band 41	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.29	17.30	1.262	62.9	1.006	0.02	0.038	0.048
	LTE Band 41	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.23	17.30	1.279	62.9	1.006	0.07	0.031	0.040
41	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.29	17.30	1.262	62.9	1.006	-0.02	0.742	0.942
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	39750	2506	16.23	17.30	1.279	62.9	1.006	0.06	0.618	0.795
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	40185	2549.5	16.17	17.30	1.297	62.9	1.006	0.06	0.701	0.915
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	41055	2636.5	16.21	17.30	1.285	62.9	1.006	0.03	0.664	0.859
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	41490	2680	16.26	17.30	1.271	62.9	1.006	0.1	0.637	0.814
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.23	17.30	1.279	62.9	1.006	-0.18	0.568	0.731
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	39750	2506	16.10	17.30	1.318	62.9	1.006	0.06	0.611	0.810
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	40185	2549.5	16.07	17.30	1.327	62.9	1.006	0.06	0.511	0.682
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	41055	2636.5	16.03	17.30	1.340	62.9	1.006	0.03	0.501	0.675
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	41490	2680	16.10	17.30	1.318	62.9	1.006	0.1	0.559	0.741
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	40620	2593	16.21	17.30	1.285	62.9	1.006	0.17	0.567	0.733
	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	50	0	-	Front	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.20	17.50	1.349	62.9	1.006	0.08	0.152	0.206
	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
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.20	17.50	1.349	62.9	1.006	-0.17	0.216	0.293
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.24	17.50	1.337	62.9	1.006	0.16	0.009	0.012
	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.20	17.50	1.349	62.9	1.006	-0.1	0.008	0.011
	LTE Band 41	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.24	17.50	1.337	62.9	1.006	0.19	0.048	0.065
	LTE Band 41	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.20	17.50	1.349	62.9	1.006	0.11	0.040	0.054
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.24	17.50	1.337	62.9	1.006	0.14	0.586	0.788
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	39750	2506	16.12	17.50	1.374	62.9	1.006	0.07	0.400	0.553
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	40185	2549.5	16.05	17.50	1.396	62.9	1.006	0.09	0.458	0.643
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	41055	2636.5	16.09	17.50	1.384	62.9	1.006	-0.12	0.627	0.873
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	41490	2680	16.08	17.50	1.387	62.9	1.006	0.03	0.670	0.935
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.20	17.50	1.349	62.9	1.006	-0.14	0.474	0.643
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	39750	2506	15.97	17.50	1.422	62.9	1.006	-0.07	0.325	0.465
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	40185	2549.5	15.96	17.50	1.426	62.9	1.006	-0.19	0.382	0.548
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	41055	2636.5	15.94	17.50	1.432	62.9	1.006	0.06	0.512	0.738
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	41490	2680	15.95	17.50	1.429	62.9	1.006	0.01	0.538	0.773
	LTE Band 41	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	DSI 3 Simultaneous	40620	2593	16.18	17.50	1.355	62.9	1.006	0.08	0.474	0.646
	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	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.48	15.50	1.265	-	-	-0.02	0.292	0.369
	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	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.48	15.50	1.265	-	-	0.02	0.329	0.416
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.56	15.50	1.242	-	-	0.09	0.016	0.020
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.48	15.50	1.265	-	-	0.02	0.014	0.018
	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.56	15.50	1.242	-	-	0.02	0.026	0.032
	FR1 n7	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.48	15.50	1.265	-	-	0.05	0.029	0.037
42	FR1 n7	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 3 Simultaneous	507000	2535	14.56	15.50	1.242	-	-	-0.14	0.748	0.929

Sporton International (Kunshan) Inc.

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FCC ID : IHDT56AB1

Page 77 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



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



FCC SAR Test Report

Report No. : FA192317

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)
3500~3900MHz																				
	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
Smart Folio mode																				
	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

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FCC ID : IHD756AB1

Page 79 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



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)
3500~3900MHz for SRS Ant																		
	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 SAR Test Report

Report No. : FA192317

	FR1 n78 Part 270	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 270	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 270	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 270	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 270	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

Sporton International (Kunshan) Inc.

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FCC ID : IHDT56AB1

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Form version. : 200414



16.3 Body Worn Accessory SAR

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)
750MHz																			
	LTE Band 12(17)	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 4	23095	707.5	22.93	24.00	1.279	0.04	0.488	0.624
	LTE Band 12(17)	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI 4	23095	707.5	22.92	24.00	1.282	0.02	0.378	0.485
52	LTE Band 12(17)	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 4	23095	707.5	22.93	24.00	1.279	-0.13	0.926	1.185
	LTE Band 12(17)	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI 4	23095	707.5	22.92	24.00	1.282	-0.11	0.755	0.968
	LTE Band 12(17)	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 4	23095	707.5	22.91	24.00	1.285	-0.07	0.733	0.942
	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	1	0	-	Back	5mm	Ant 0	-	DSI 3 Simultaneous	23095	707.5	22.93	23.50	1.140	0.01	0.739	0.843
	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 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 4	23230	782	23.22	24.00	1.197	0.03	0.573	0.686
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI 4	23230	782	22.93	24.00	1.279	0.15	0.465	0.595
53	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	1.149
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI 4	23230	782	22.93	24.00	1.279	0.08	0.851	1.089
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 4	23230	782	22.88	24.00	1.294	0.15	0.817	1.057
	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	1	0	-	Back	5mm	Ant 0	-	DSI 4	23230	782	23.22	24.00	1.197	-0.06	0.741	0.887
	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	50	0	-	Back	5mm	Ant 1	-	DSI 4	23230	782	22.11	23.00	1.227	-0.14	0.442	0.543
850MHz																			
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 0	-	DSI 3	189	836.4	28.28	29.00	1.180	-0.11	0.622	0.734
54	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	DSI 3	189	836.4	28.28	29.00	1.180	-0.04	0.987	1.165
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	DSI 3	128	824.2	28.47	29.00	1.130	0.09	0.715	0.808
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	DSI 3	251	848.8	28.08	29.00	1.236	-0.16	0.929	1.148
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Front	18mm	Ant 0	-	DSI 4	189	836.4	28.28	29.50	1.324	0.07	0.181	0.240
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	21mm	Ant 0	-	DSI 4	189	836.4	28.28	29.50	1.324	0.01	0.163	0.216
	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	0.931
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 1	-	DSI 4	189	836.4	28.05	29.50	1.396	-0.17	0.504	0.704
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	-	DSI 4	189	836.4	28.05	29.50	1.396	0.02	0.577	0.806
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	-	DSI 4	128	824.2	28.03	29.50	1.403	-0.05	0.601	0.843
	GSM850	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 1	-	DSI 4	251	848.8	27.79	29.50	1.483	-0.06	0.662	0.981
	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
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	4182	836.4	23.59	24.50	1.233	-0.11	0.597	0.736
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4182	836.4	23.59	24.50	1.233	-0.18	0.959	1.183
55	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4132	826.4	23.46	24.50	1.271	-0.09	0.984	1.250
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 3	4132	826.4	23.46	24.50	1.271	0.03	0.625	0.794
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4233	846.6	23.54	24.50	1.247	0.03	0.895	1.116
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 0	-	DSI 4	4182	836.4	23.99	25.00	1.262	0.01	0.165	0.208
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	21mm	Ant 0	-	DSI 4	4132	826.4	23.76	25.00	1.330	0.12	0.227	0.302
	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	4233	846.6	22.30	23.50	1.318	-0.03	0.701	0.924
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI 4	4182	836.4	23.79	25.00	1.321	0.03	0.584	0.772
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 4	4182	836.4	23.79	25.00	1.321	0.15	0.816	1.078
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 4	4132	826.4	23.78	25.00	1.324	-0.05	0.867	1.148
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 4	4233	846.6	23.75	25.00	1.334	0.1	0.790	1.053



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	1.173
	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	0.989
	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)
1750MHz																			
	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	1.235
	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	1.233
	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	1.242
	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

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

FCC ID : IHDT56AB1

Page 84 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



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)
1900MHz																			
	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	1.246
	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	1.235
	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	1.256
	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

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Form version. : 200414



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)
2600MHz																					
	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	1.246
	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.

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

FCC ID : IHDT56AB1

Page 86 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



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

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

FCC ID : IHDT56AB1

Page 87 of 125

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

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FCC ID : IHDT56AB1

Page 88 of 125

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

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)	
3500~3900MHz																						
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI 3		42590	3500	14.64	15.90	1.337	62.9	1.006	-0.09	0.078	0.105
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI 3		42590	3500	14.61	15.90	1.346	62.9	1.006	-0.16	0.090	0.122
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3		42590	3500	14.64	15.90	1.337	62.9	1.006	-0.14	0.892	1.199
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3		42190	3460	14.59	15.90	1.352	62.9	1.006	0.03	0.831	1.130
	LTE Band 42 Part27Q	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3		42990	3540	14.54	15.90	1.368	62.9	1.006	-0.05	0.799	1.099
69	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		42590	3500	14.61	15.90	1.346	62.9	1.006	-0.03	0.929	1.258
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		42190	3460	14.55	15.90	1.365	62.9	1.006	0.02	0.905	1.242
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		42990	3540	14.58	15.90	1.355	62.9	1.006	0.07	0.894	1.219
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	Headset	DSI 3		42590	3500	14.61	15.90	1.346	62.9	1.006	-0.02	0.554	0.750
	LTE Band 42 Part27Q	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI 3		42590	3500	14.57	15.90	1.358	62.9	1.006	0.03	0.826	1.129
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Front	18mm	Ant 2	-	DSI 4		42590	3500	22.03	23.00	1.250	62.9	1.006	0.13	0.065	0.082
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	21mm	Ant 2	-	DSI 4		42990	3540	21.56	23.00	1.393	62.9	1.006	0.12	0.340	0.477
	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	1	0	-	Back	5mm	Ant 2	-	DSI 3 Simultaneous		42990	3540	13.58	14.90	1.355	62.9	1.006	-0.09	0.631	0.976
Smart Folio mode																						
	LTE Band 42 Part27Q	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		42590	3500	14.61	15.90	1.346	62.9	1.006	-0.01	0.721	0.976
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	DSI 3		56150	3641	15.72	17.20	1.406	62.9	1.006	0.17	0.071	0.100
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	DSI 3		56150	3641	15.66	17.20	1.426	62.9	1.006	0.18	0.072	0.103
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3		56150	3641	15.72	17.20	1.406	62.9	1.006	0.02	0.835	1.181
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3		55340	3560	15.63	17.20	1.435	62.9	1.006	0.07	0.806	1.164
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3		55830	3609	15.65	17.20	1.429	62.9	1.006	0.19	0.829	1.192
70	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	DSI 3		56640	3690	15.69	17.20	1.416	62.9	1.006	-0.05	0.871	1.241
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	Headset	DSI 3		56640	3690	15.69	17.20	1.416	62.9	1.006	0.03	0.821	1.169
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		56150	3641	15.66	17.20	1.426	62.9	1.006	0.13	0.835	1.198
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		55340	3560	15.61	17.20	1.442	62.9	1.006	0.04	0.826	1.198
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		55830	3609	15.60	17.20	1.445	62.9	1.006	-0.04	0.852	1.239
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	DSI 3		56640	3690	15.68	17.20	1.419	62.9	1.006	0.01	0.859	1.226
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	DSI 3		56150	3641	15.62	17.20	1.439	62.9	1.006	-0.01	0.856	1.239
	LTE Band 48	20M	QPSK	50	0	-	Front	18mm	Ant 2	-	DSI 4		56640	3690	21.89	23.00	1.291	62.9	1.006	0.05	0.083	0.108
	LTE Band 48	20M	QPSK	50	0	-	Back	21mm	Ant 2	-	DSI 4		56640	3690	21.89	23.00	1.291	62.9	1.006	0.13	0.358	0.465
	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		56640	3690	14.77	16.30	1.422	62.9	1.006	-0.17	0.631	0.903
	FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3		656000	3840	12.97	14.40	1.390	-	-	-0.09	0.088	0.122
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3		656000	3840	12.95	14.40	1.396	-	-	0.01	0.095	0.133
	FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3		656000	3840	12.97	14.40	1.390	-	-	0.06	0.797	1.108
71	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3		656000	3840	12.95	14.40	1.396	-	-	-0.03	0.892	1.246
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	Headset	DSI 3		656000	3840	12.95	14.40	1.396	-	-	0.06	0.873	1.219
	FR1 n77 Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3		656000	3840	12.81	14.40	1.442	-	-	-0.01	0.724	1.044
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	18mm	Ant 2	-	DSI 4		656000	3840	22.20	24.00	1.514	-	-	0.06	0.115	0.174
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	21mm	Ant 2	-	DSI 4		656000	3840	22.20	24.00	1.514	-	-	0.17	0.505	0.764
	FR1 n77 Part 270	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 270	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 270	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 270	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 270	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	Front	5mm	Ant 2	-	DSI 3		633334	3500.01	13.59	14.40	1.205	-	-	-0.15	0.075	0.090
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	DSI 3		633334	3500.01	13.53	14.40	1.222	-	-	0.04	0.077	0.094
	FR1 n77 Part 27Q	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3		633334	3500.01	13.59	14.40	1.205	-	-	-0.08	0.894	1.077
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3		633334	3500.01	13.53	14.40	1.222	-	-	0.06	0.989	1.208
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	Headset	DSI 3		633334	3500.01	13.53	14.40	1.222	-	-	0.03	0.897	1.096
	FR1 n77 Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	DSI 3		633334	3500.01	13.31	14.40	1.285	-	-	0.09	0.762	0.979
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	18mm	Ant 2	-	DSI 4		633334	3500.01	23.05	24.00	1.245	-	-	-0.07	0.103	0.128
	FR1 n77 Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	21mm	Ant 2	-	DSI 4		633334	3500.01	23.05	24.00	1.245	-	-	0.08	0.485	0.604

Sporton International (Kunshan) Inc.

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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)
3500~3900MHz for SRS Ant																			
	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

Sporton International (Kunshan) Inc.

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

FCC ID : IHDT56AB1

Page 91 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



FCC SAR Test Report

Report No. : FA192317

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)
WLAN/Bluetooth																	
	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
Smart Folio mode																	
	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
Smart Folio mode																	
	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
Smart Folio mode																	
	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)
835MHz																		
	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	1.745
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	1.943
1750MHz																		
	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	3.131
	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	3.118
	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)
1900MHz																		
	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 ID : IHDT56AB1

Issued Date : Jan. 26, 2022

Form version. : 200414



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

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FCC ID : IHDT56AB1

Page 96 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



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	3.131
	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

Sporton International (Kunshan) Inc.

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FCC ID : IHDT56AB1

Page 97 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



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	3.129
	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	3.109
	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	3.120
	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

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Page 98 of 125

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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)
3500~3900MHz																				
91	LTE Band 42 Part 27Q	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	3.129
	LTE Band 42 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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 Part 27Q	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	3.232
	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	3.076
	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

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

FCC ID : IHD756AB1

Issued Date : Jan. 26, 2022

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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	3.122
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)
WLAN																
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	2.125
	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	2.206
	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	3.043
	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	2.792
	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 ID : IHDT56AB1

Page 100 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



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	2.091
	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 27Q	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 27Q	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 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	1	2.985
2nd	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	-	-	-0.16	1.970	1.051	2.841
1st	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	1	3.016
2nd	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	-	-	0.04	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 ≥ 0.8 W/kg.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 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

LTE Band 38(HPUE) Ant 0-Linearity Data for Head		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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%
LTE Band 38(HPUE) Ant 0-Linearity Data for Hotspot		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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%
LTE Band 38(HPUE) Ant 0-Linearity Data for Body-worn		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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%
LTE Band 38(HPUE) Ant 0-Linearity Data for Extremity SAR		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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%

LTE Band 38(HPUE) Ant 1-Linearity Data for Head		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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%
LTE Band 38(HPUE) Ant 1-Linearity Data for Hotspot		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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%
LTE Band 38(HPUE) Ant 1-Linearity Data for Body-worn		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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%
LTE Band 38(HPUE) Ant 1-Linearity Data for Extremity SAR		
	LTE Band 38 (Power Class 3)	LTE Band 38 (Power Class 2)
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.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

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)
		WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 WLAN+ DBS	WLAN 2.4GHz Ant 4+6 WLAN+ DBS	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 WLAN+ DBS	WLAN 5GHz Ant 5+6 WLAN+ DBS	WLAN 5GHz Ant 5+6 WLAN+ DBS	Bluetooth h Ant 4	Bluetooth h 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

LTE Band 25(2) Ant 0	Right Cheek	0.070	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.60	0.66	0.57	0.64	0.37	0.54	0.27
	Right Tilted	0.059	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.58	0.65	0.44	0.62	0.35	0.41	0.14
	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	0.027	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.55	0.62	0.39	0.59	0.32	0.36	0.09
LTE Band 25(2) Ant 1	Right Cheek	0.898	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.42	1.49	1.39	1.46	1.19	1.37	1.10
	Right Tilted	0.898	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.42	1.49	1.28	1.46	1.19	1.25	0.98
	Left Cheek	0.898	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.42	1.49	1.25	1.46	1.19	1.23	0.96
	Left Tilted	0.898	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.42	1.49	1.26	1.46	1.19	1.23	0.96
LTE Band 26(5) Ant 0	Right Cheek	0.293	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.82	0.88	0.79	0.86	0.59	0.76	0.49
	Right Tilted	0.135	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.66	0.73	0.51	0.70	0.43	0.49	0.22
	Left Cheek	0.202	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.73	0.79	0.56	0.77	0.50	0.53	0.26
	Left Tilted	0.151	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
LTE Band 26(5) Ant 1	Right Cheek	0.906	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.43	1.50	1.40	1.47	1.20	1.38	1.11
	Right Tilted	0.906	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.43	1.50	1.28	1.47	1.20	1.26	0.99
	Left Cheek	0.906	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.43	1.50	1.26	1.47	1.20	1.24	0.97
	Left Tilted	0.906	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.43	1.50	1.27	1.47	1.20	1.24	0.97
LTE Band 66(4) Ant 0	Right Cheek	0.050	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.58	0.64	0.55	0.62	0.35	0.52	0.25
	Right Tilted	0.052	0.712	0.525	0.298	0.739	0.293	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	0.062	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.59	0.65	0.42	0.63	0.36	0.39	0.12
	Left Tilted	0.045	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.57	0.64	0.40	0.61	0.34	0.38	0.11
LTE Band 66(4) Ant 1	Right Cheek	0.923	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.45	1.51	1.42	1.49	1.22	1.39	1.12
	Right Tilted	0.923	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.45	1.51	1.30	1.49	1.22	1.27	1.00
	Left Cheek	0.923	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.45	1.51	1.28	1.49	1.22	1.25	0.98
	Left Tilted	0.923	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.45	1.51	1.28	1.49	1.22	1.26	0.99
LTE Band 38 Ant 0	Right Cheek	0.085	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.61	0.68	0.58	0.65	0.38	0.55	0.28
	Right Tilted	0.042	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	0.050	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.58	0.64	0.41	0.62	0.35	0.38	0.11
	Left Tilted	0.049	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.57	0.64	0.41	0.61	0.34	0.38	0.11
LTE Band 38 Ant 1	Right Cheek	0.775	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.30	1.37	1.27	1.34	1.07	1.24	0.97
	Right Tilted	0.775	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.30	1.37	1.15	1.34	1.07	1.13	0.86
	Left Cheek	0.775	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.30	1.37	1.13	1.34	1.07	1.10	0.83
	Left Tilted	0.775	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.30	1.37	1.13	1.34	1.07	1.11	0.84
LTE Band 41 Ant 0	Right Cheek	0.085	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.61	0.68	0.58	0.65	0.38	0.55	0.28
	Right Tilted	0.026	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.55	0.62	0.40	0.59	0.32	0.38	0.11
	Left Cheek	0.064	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.59	0.66	0.42	0.63	0.36	0.39	0.12
	Left Tilted	0.058	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.58	0.65	0.42	0.62	0.35	0.39	0.12
LTE Band 41 Ant 1	Right Cheek	0.964	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.49	1.56	1.46	1.53	1.26	1.43	1.16
	Right Tilted	0.964	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.49	1.56	1.34	1.53	1.26	1.32	1.05
	Left Cheek	0.964	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	1.49	1.56	1.32	1.53	1.26	1.29	1.02
	Left Tilted	0.964	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	1.49	1.56	1.32	1.53	1.26	1.30	1.03
LTE Band 42 Part27Q Ant 2	Right Cheek	0.864	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.39	1.46	1.36	1.43	1.16	1.33	1.06
	Right Tilted	0.493	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	1.02	1.08	0.87	1.06	0.79	0.84	0.57
	Left Cheek	0.228	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.75	0.82	0.58	0.79	0.52	0.56	0.29
	Left Tilted	0.190	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.72	0.78	0.55	0.76	0.49	0.52	0.25
LTE Band 48(42&43) Ant 2	Right Cheek	0.712	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.24	1.30	1.21	1.28	1.01	1.18	0.91
	Right Tilted	0.430	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.079	1.45	0.96	1.02	0.81	1.00	0.73	0.78	0.51
	Left Cheek	0.206	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.057	1.45	0.73	0.80	0.56	0.77	0.50	0.54	0.27
	Left Tilted	0.166	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.061	1.45	0.69	0.76	0.53	0.73	0.46	0.50	0.23
LTE Band 38 HPUE Ant 0	Right Cheek	0.109	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	0.63	0.70	0.60	0.67	0.40	0.58	0.31
	Right Tilted	0.109	0.712	0.525	0.298	0.739	0.293	0.293	0.247	0.002	0.079	1.45	0.63	0.70	0.49	0.65	0.40	0.44	0.19
	Left Cheek	0.109	0.712	0.525	0.298	0.739	0.293	0.293	0.157	0.002	0.057	1.45	0.63	0.70	0.46	0.56	0.40	0.32	0.17
	Left Tilted	0.109	0.712	0.525	0.298	0.739	0.293	0.293	0.173	0.002	0.061	1.45	0.63	0.70	0.47	0.58	0.40	0.34	0.17
LTE Band 38 HPUE Ant 1	Right Cheek	0.926	0.712	0.525	0.298	0.739	0.293	0.293	0.272	0.002	0.197	1.45	1.45	1.52	1.42	1.49	1.22	1.40	1.13
	Right Tilted	0.926	0.712	0.525	0.298	0.739	0.293	0.293	0.247	0.002	0.079	1.45	1.45	1.52	1.30	1.47	1.22	1.25	1.01
	Left Cheek	0.926	0.712	0.525	0.298	0.739	0.293	0.293	0.157	0.002	0.057	1.45	1.45	1.52	1.28	1.38	1.22	1.14	0.99
	Left Tilted	0.926	0.712	0.525	0.298	0.739	0.293	0.293	0.173	0.002	0.061	1.45	1.45	1.52	1.29	1.39	1.22	1.16	0.99

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Page 108 of 125

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<5GNR 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)
		WWAN	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 2.4GHz Ant 4+6 DBS Only	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 DBS Only	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)								
FR1 n5 Ant 0	Right Cheek	0.171	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.70	0.76	0.67	0.74	0.47	0.64	0.37
	Right Tilted	0.062	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	0.122	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.65	0.71	0.48	0.69	0.42	0.45	0.18
	Left Tilted	0.055	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.58	0.65	0.41	0.62	0.35	0.39	0.12
FR1 n66 Ant 1	Right Cheek	0.967	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	1.49	1.56	1.46	1.53	1.26	1.44	1.17
	Right Tilted	0.967	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	1.49	1.56	1.34	1.53	1.26	1.32	1.05
	Left Cheek	0.967	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	1.49	1.56	1.32	1.53	1.26	1.30	1.03
	Left Tilted	0.967	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	1.49	1.56	1.33	1.53	1.26	1.30	1.03
FR1 n7 Ant 0	Right Cheek	0.074	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	0.60	0.67	0.57	0.64	0.37	0.54	0.27
	Right Tilted	0.060	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	0.62	0.35	0.41	0.14
	Left Cheek	0.058	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	0.58	0.65	0.41	0.62	0.35	0.39	0.12
	Left Tilted	0.069	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	0.59	0.66	0.43	0.63	0.36	0.40	0.13
FR1 n7 Ant 1	Right Cheek	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	1.47	1.54	1.44	1.51	1.24	1.41	1.14
	Right Tilted	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	1.47	1.54	1.32	1.51	1.24	1.30	1.03
	Left Cheek	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	1.47	1.54	1.30	1.51	1.24	1.27	1.00
	Left Tilted	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	1.47	1.54	1.30	1.51	1.24	1.28	1.01
FR1 n38 Ant 1	Right Cheek	0.957	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	1.48	1.55	1.45	1.52	1.25	1.43	1.16
	Right Tilted	0.957	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	1.48	1.55	1.33	1.52	1.25	1.31	1.04
	Left Cheek	0.957	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	1.48	1.55	1.31	1.52	1.25	1.29	1.02
	Left Tilted	0.957	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	1.48	1.55	1.32	1.52	1.25	1.29	1.02
FR1 n77 Part 270 Ant 2	Right Cheek	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	1.47	1.54	1.44	1.51	1.24	1.41	1.14
	Right Tilted	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	1.47	1.54	1.32	1.51	1.24	1.30	1.03
	Left Cheek	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	1.47	1.54	1.30	1.51	1.24	1.27	1.00
	Left Tilted	0.944	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	1.47	1.54	1.30	1.51	1.24	1.28	1.01
FR1 n77 Part 27Q Ant 2	Right Cheek	0.827	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	1.35	1.42	1.32	1.39	1.12	1.30	1.03
	Right Tilted	0.827	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	1.35	1.42	1.20	1.39	1.12	1.18	0.91
	Left Cheek	0.827	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	1.35	1.42	1.18	1.39	1.12	1.16	0.89
	Left Tilted	0.827	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	1.35	1.42	1.19	1.39	1.12	1.16	0.89
FR1 n78-PC2 Part 270 Ant 2	Right Cheek	0.922	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	1.45	1.51	1.42	1.49	1.22	1.39	1.12
	Right Tilted	0.922	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	1.45	1.51	1.30	1.49	1.22	1.27	1.00
	Left Cheek	0.922	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	1.45	1.51	1.28	1.49	1.22	1.25	0.98
	Left Tilted	0.922	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	1.45	1.51	1.28	1.49	1.22	1.26	0.99
FR1 n78-PC2 Part 27Q Ant 2	Right Cheek	0.854	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.197	1.45	1.38	1.45	1.35	1.42	1.15	1.32	1.05
	Right Tilted	0.854	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.079	1.45	1.38	1.45	1.23	1.42	1.15	1.21	0.94
	Left Cheek	0.854	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.057	1.45	1.38	1.45	1.21	1.42	1.15	1.18	0.91
	Left Tilted	0.854	0.712	0.525	0.298	0.739	0.292	0.293	0.272	0.002	0.061	1.45	1.38	1.45	1.21	1.42	1.15	1.19	0.92



<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)
		WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS Only 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN+ WLAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 WWAN+ DBS Only 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 WWAN+ WLAN 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 WWAN+ DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	WIFI 6E 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 270 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 270 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 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN+WLAN 1g SAR (W/kg)	WLAN2.4GHz Ant 4+6 WWAN+DBS 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN+WLAN 1g SAR (W/kg)	WLAN5GHz Ant 5+6 WWAN+DBS 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 6 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



FCC SAR Test Report

Report No. : FA192317

	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

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

FCC ID : IHDT56AB1

Page 112 of 125

Issued Date : Jan. 26, 2022

Form version. : 200414



FCC SAR Test Report

Report No. : FA192317

	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



<5G NR 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 n6 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 27Q 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



FCC SAR Test Report

Report No. : FA192317

	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 270 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 270 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 270 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 DBS	WLAN 2.4GHz Ant 4+6 WWAN DBS	WLAN 5GHz Ant 5+6 DBS Only	WLAN 5GHz Ant 5+6 WWAN +WLAN DBS	WLAN 5GHz Ant 5+6 WWAN +WLAN DBS	Bluetooth Ant 4	Bluetooth Ant 6	WiFi 6E Ant 5+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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
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



FCC SAR Test Report

Report No. : FA192317

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 2.4GHz Ant 4+6 DBS Only	WWAN 2.4GHz Ant 4+6 DBS +WWAN	WWAN 2.4GHz Ant 4+6 DBS +WWAN	WWAN 5GHz Ant 5+6 DBS Only	WWAN 5GHz Ant 5+6 DBS +WWAN	WWAN 5GHz Ant 5+6 DBS +WWAN	Bluetooth Ant 4	Bluetooth Ant 6	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 DBS +WLAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+6 DBS +WLAN 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS Only 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS +WLAN 1g SAR (W/kg)	WLAN 5GHz Ant 5+6 DBS +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 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 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 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)						
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	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
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	1.93	3.14

Sporton International (Kunshan) Inc.

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

FCC ID : IHD756AB1

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FCC SAR Test Report

Report No. : FA192317

	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 25(2) Ant 0	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

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FCC ID : IHDT56AB1

Page 120 of 125

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Form version. : 200414



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
	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
LTE Band 48 Ant 2	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		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
	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



<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						
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)						
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/m³

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

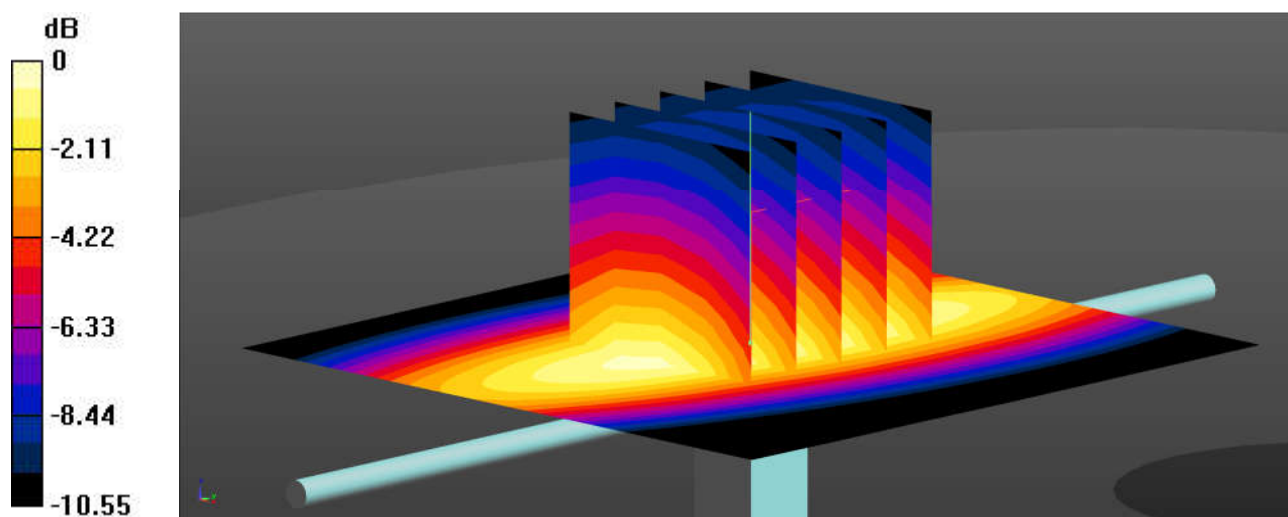
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 835$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 41.176$; $\rho = 1000$ kg/m³

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) = 0.680 W/kg

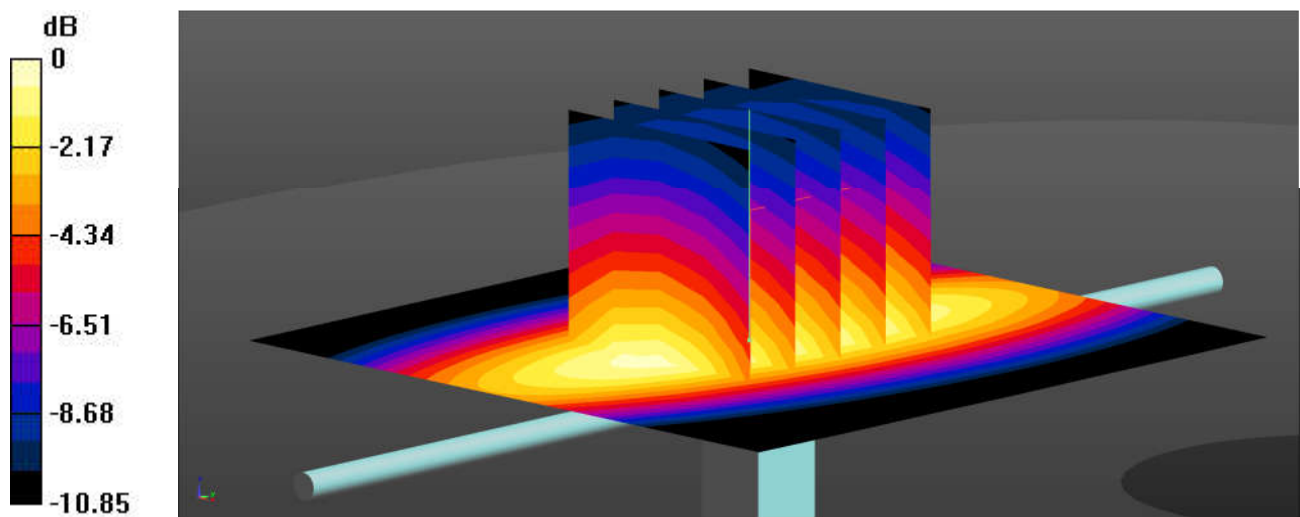
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

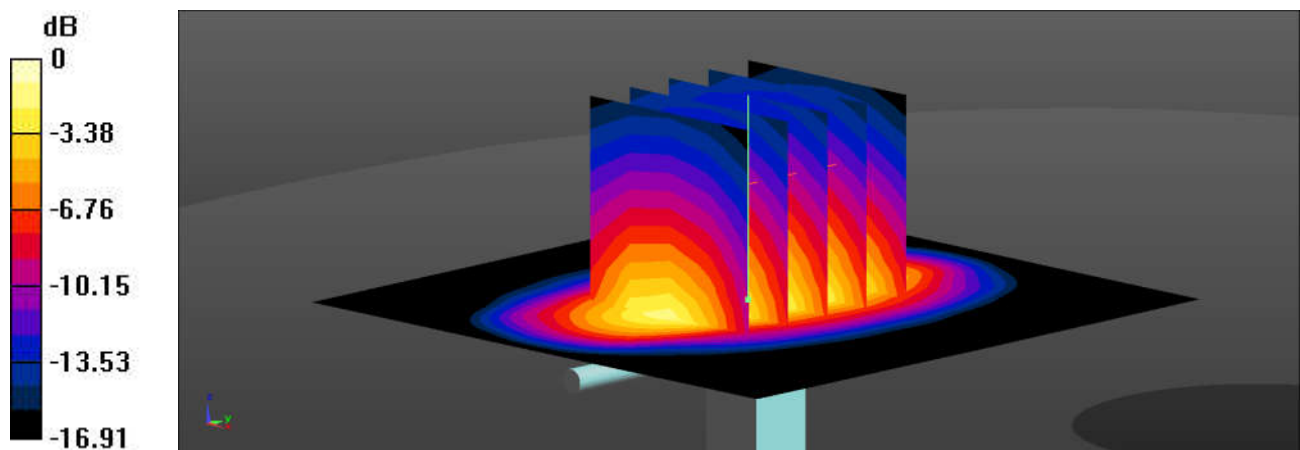
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

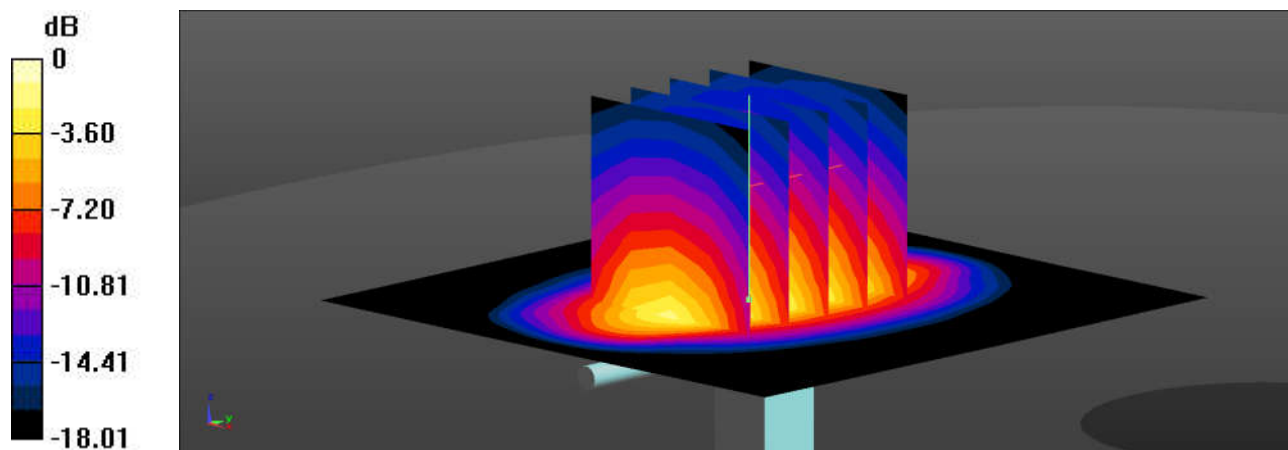
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

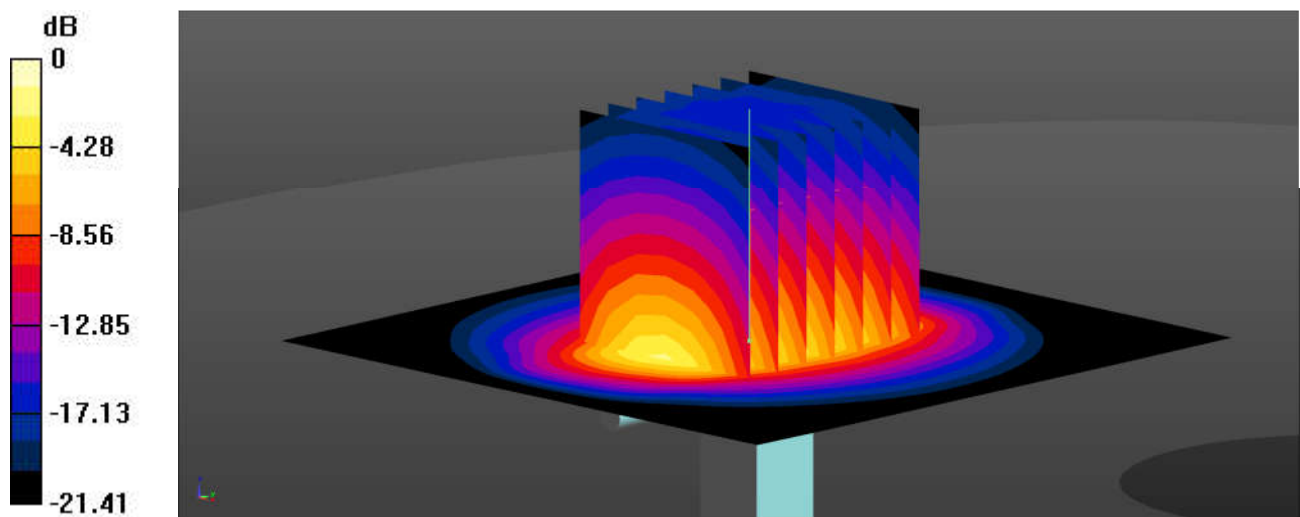
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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

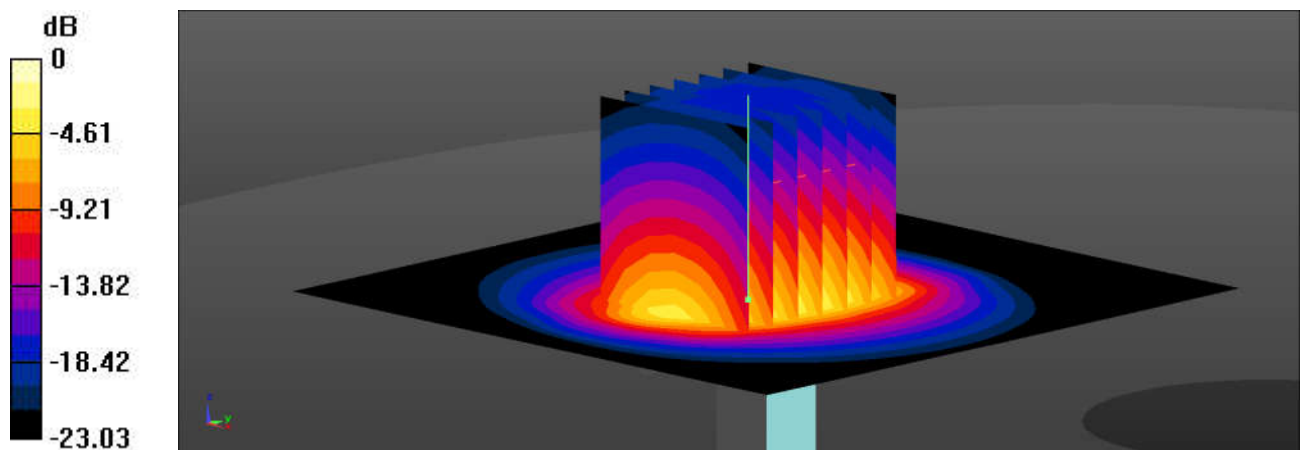
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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

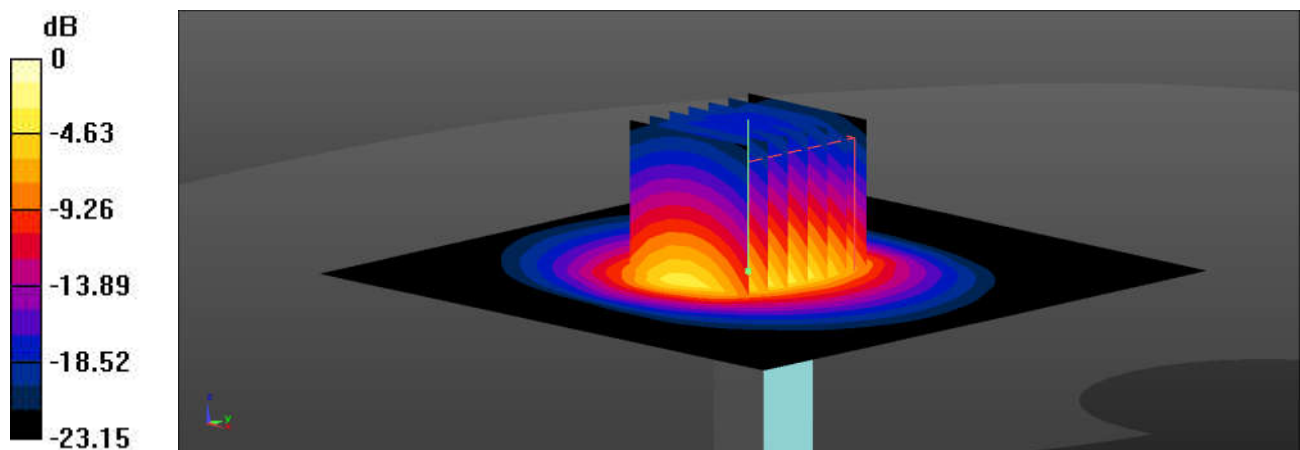
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m³

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

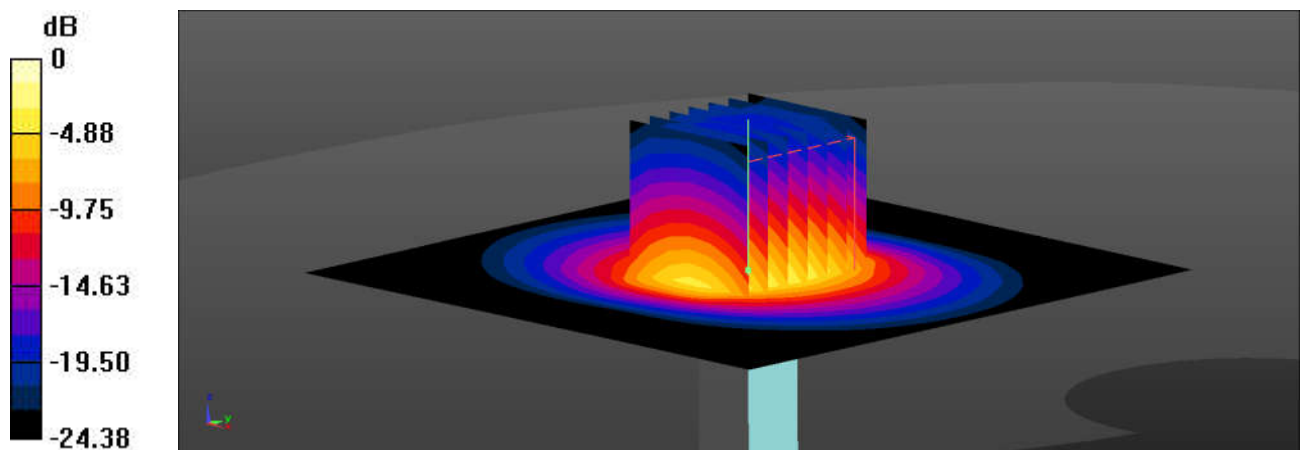
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m³

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

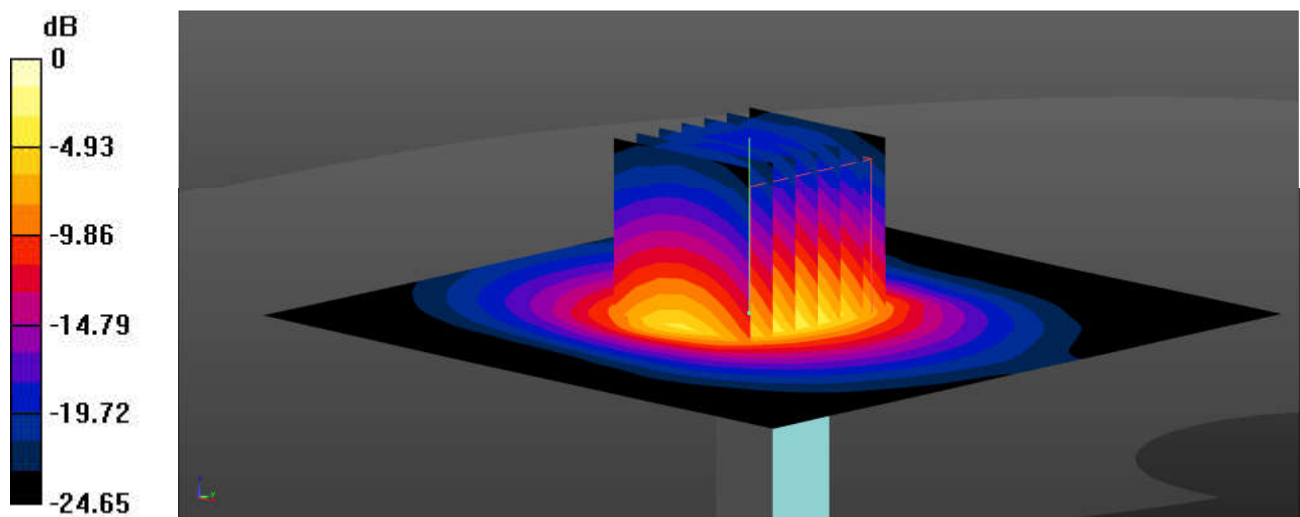
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m³

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

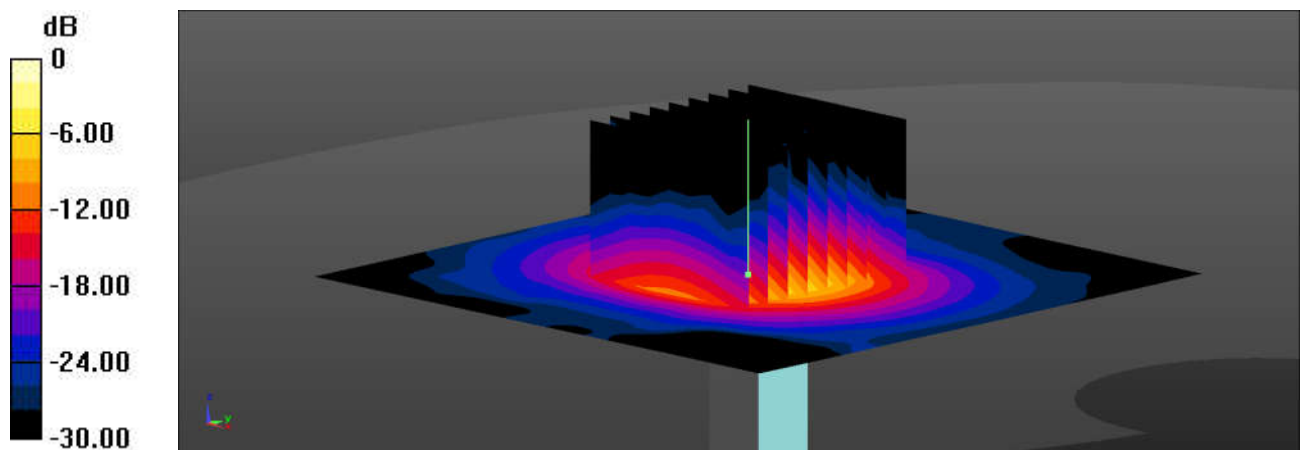
Pin=50mW/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m³

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

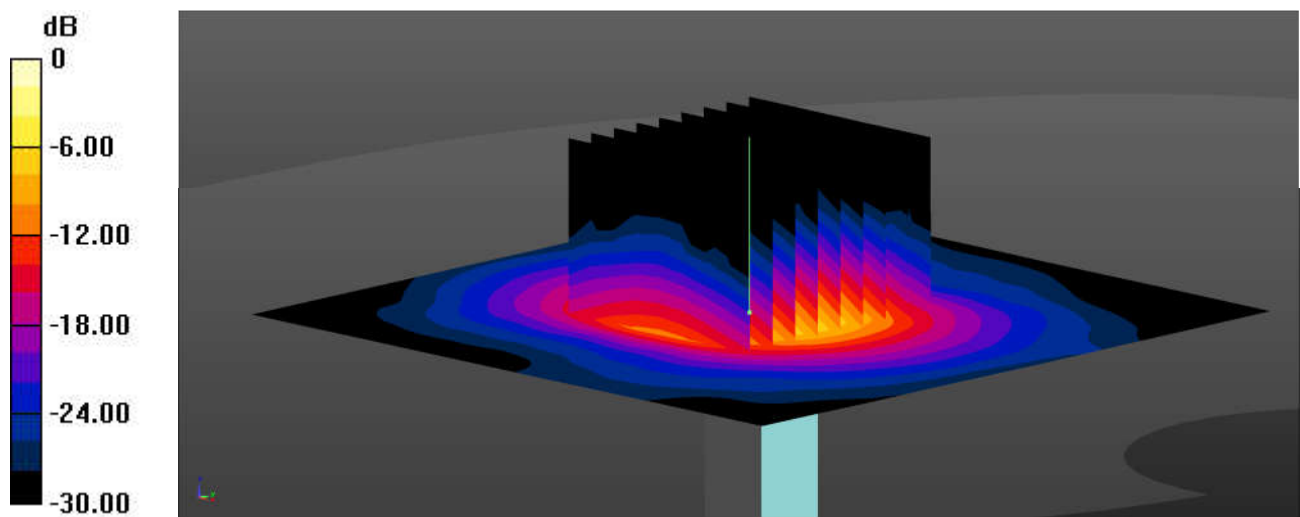
Pin=50mW/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m³

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

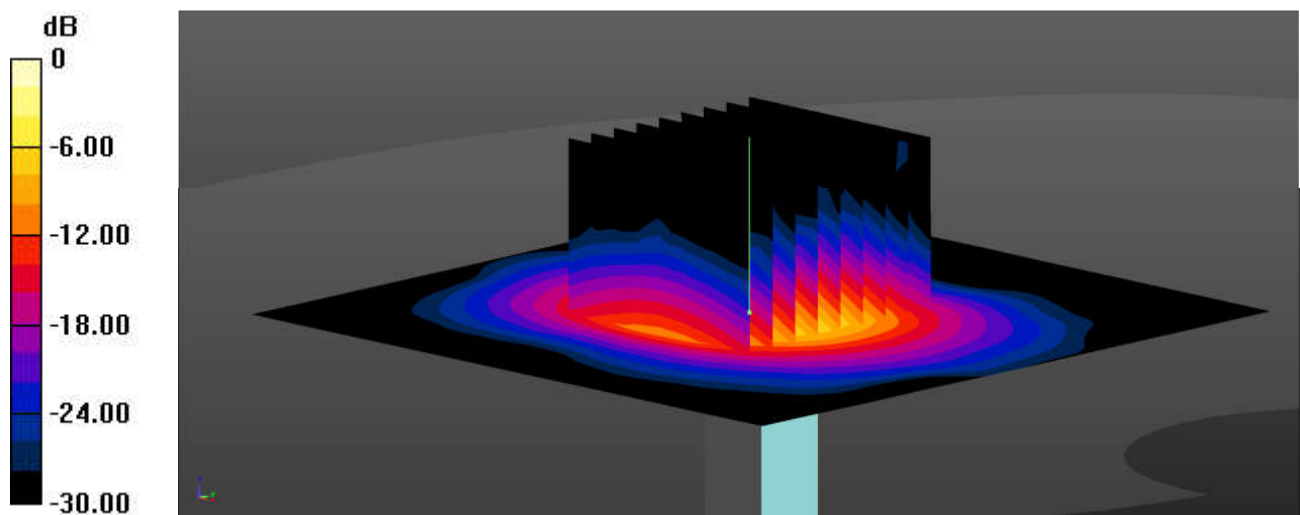
Pin=50mW/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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)

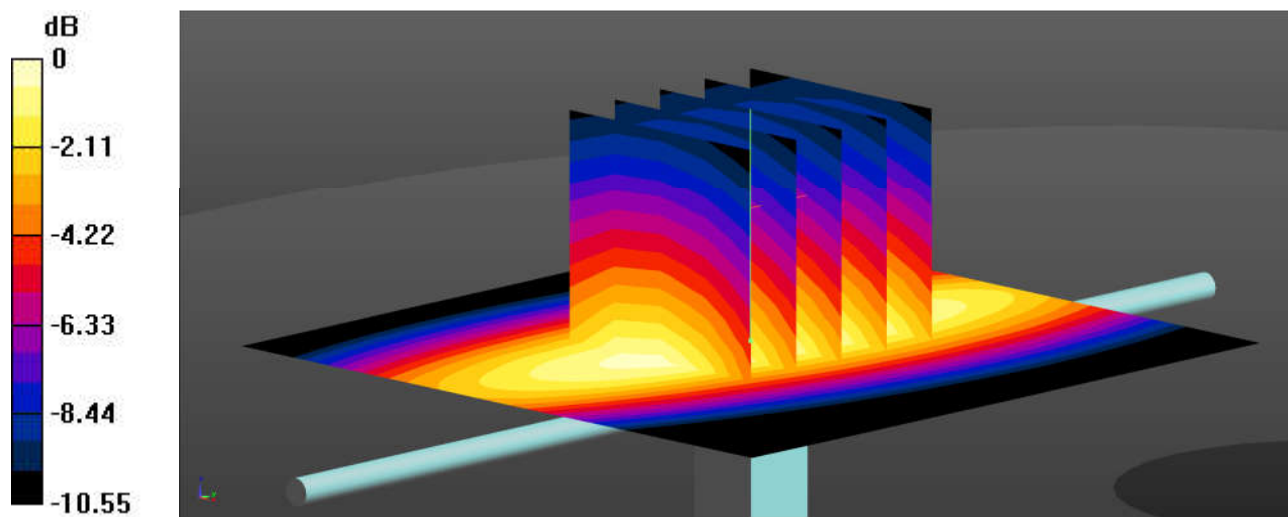
Pin=50mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.546 W/kg**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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



0 dB = 0.545 W/kg = -2.64 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: $f = 835$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 42.06$; $\rho = 1000$ kg/m³

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

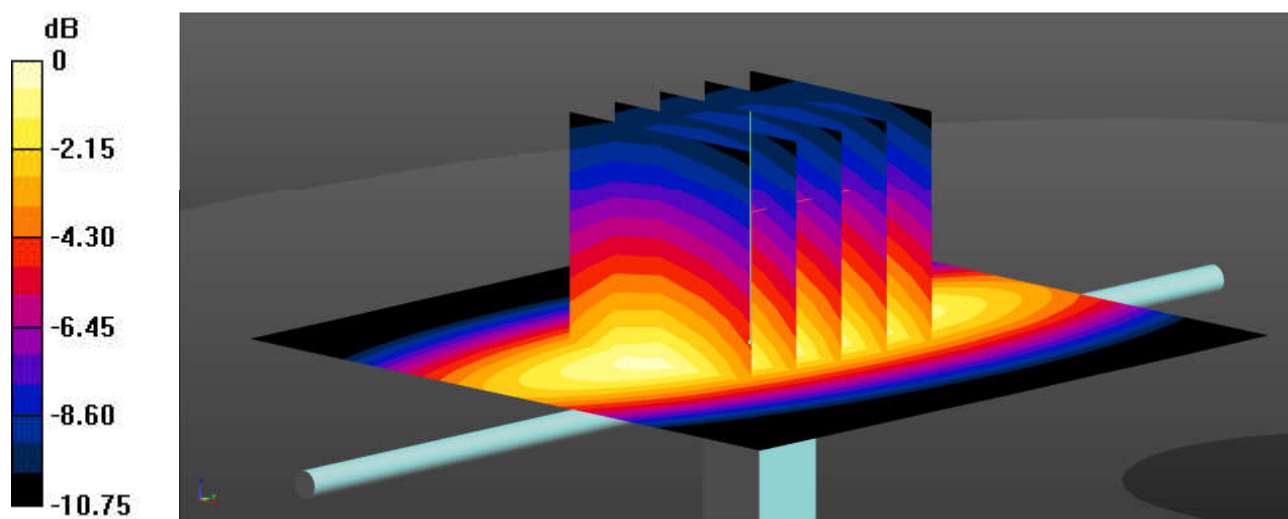
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

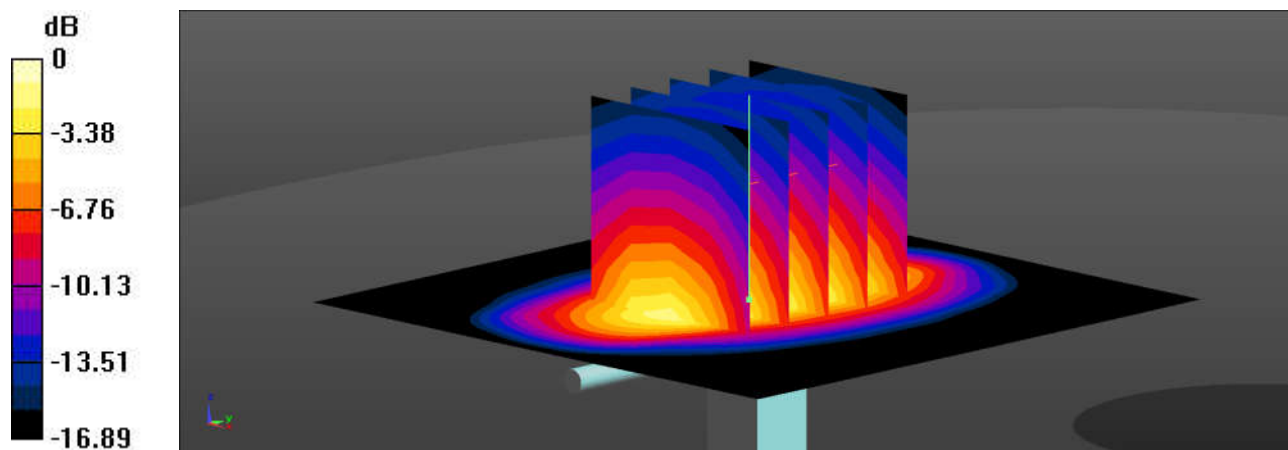
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

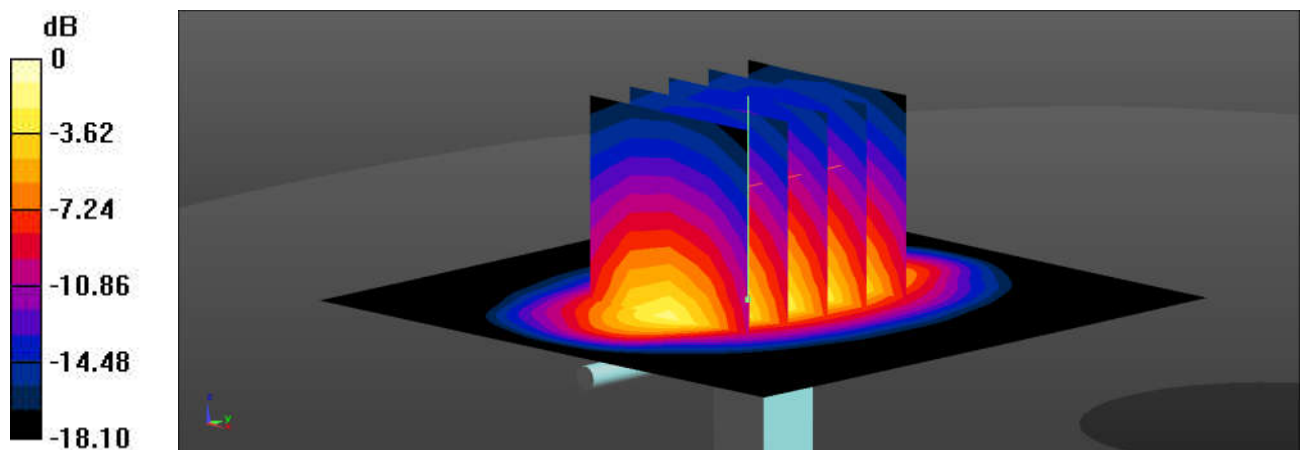
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

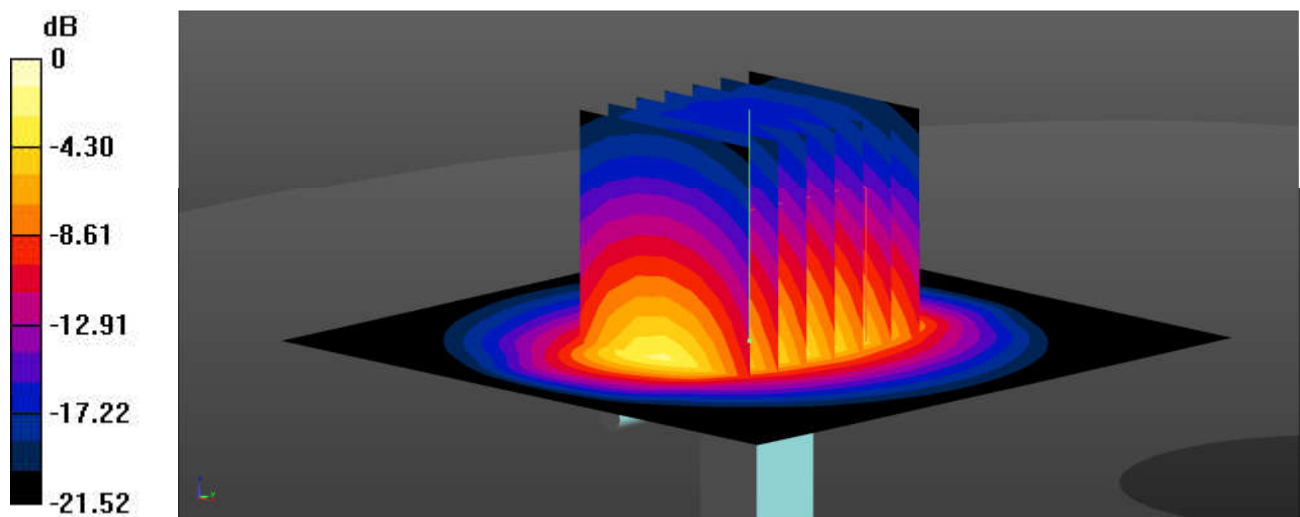
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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

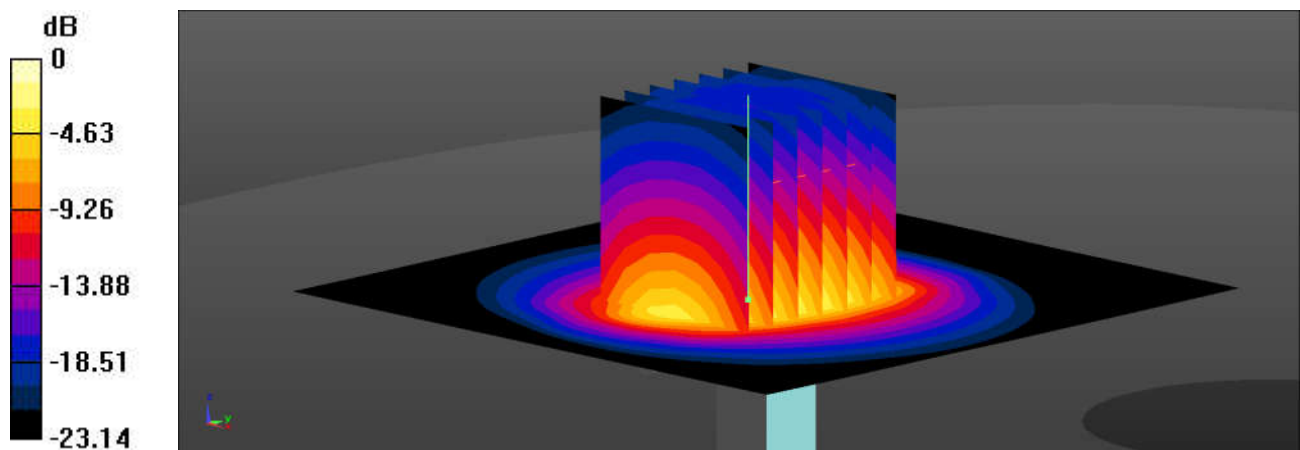
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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: $f = 3500$ MHz; $\sigma = 2.798$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³

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

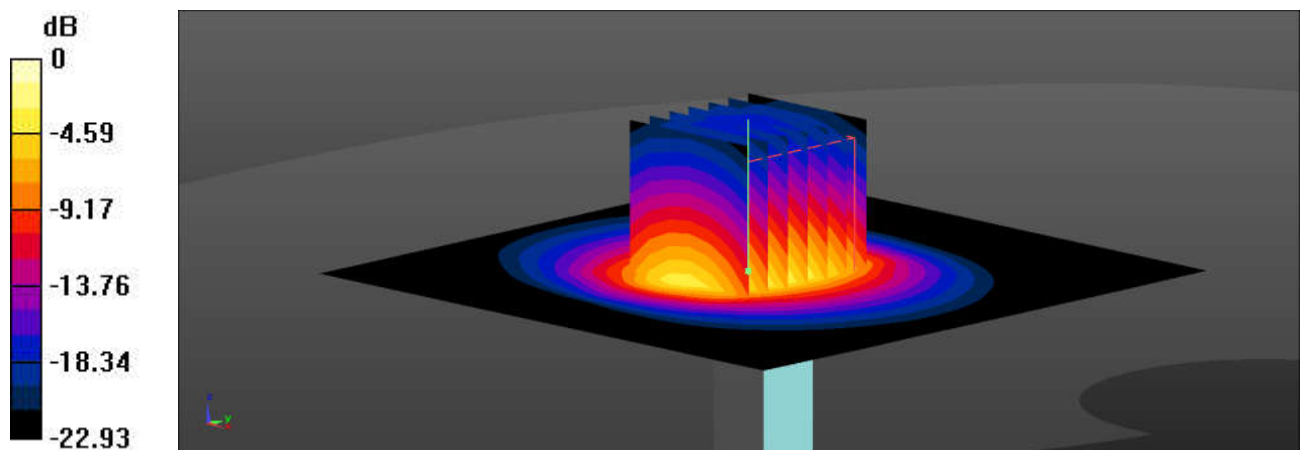
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.72 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/m³

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

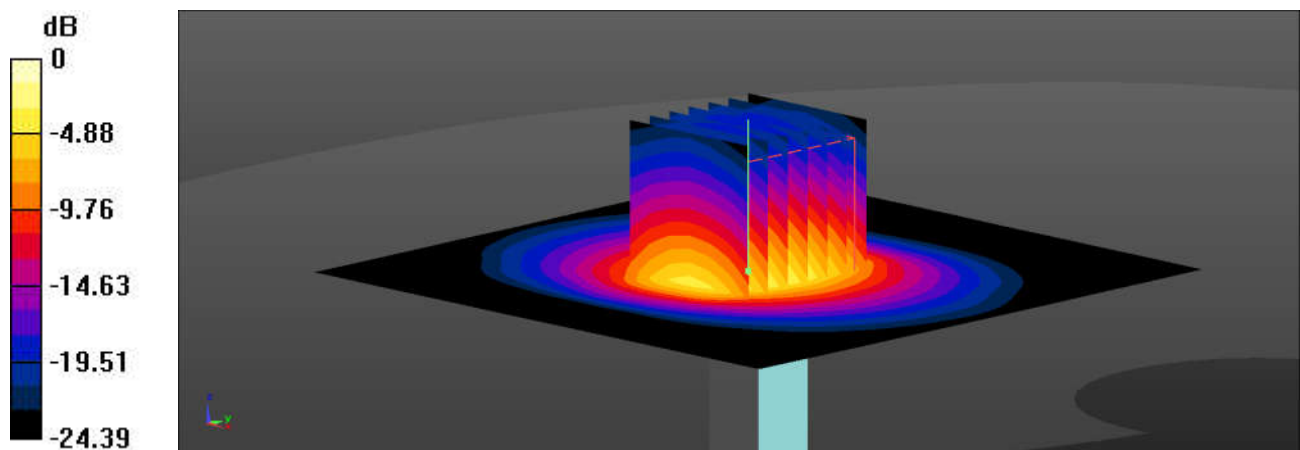
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m³

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

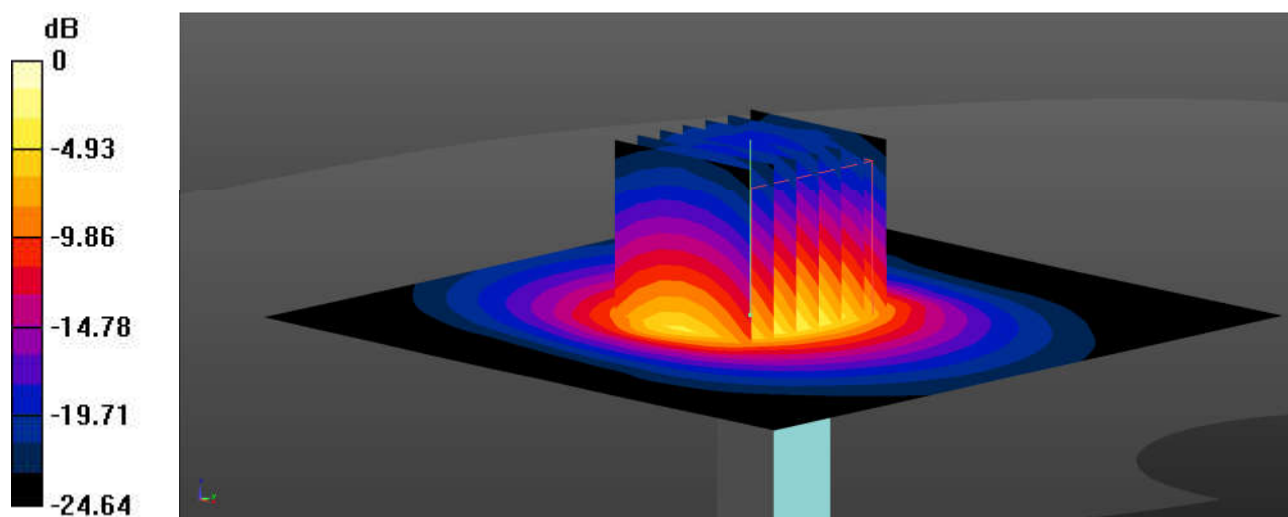
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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