



Table with columns for Band, Modulation, Power, and SAR values. Includes rows for LTE Band 26, FR1 n5, WCDMA V, and WCDMA IV.



FCC SAR Test Report

Report No. : FA361225

Table with columns for Test Case, Modulation, Bandwidth, Power, Frequency, Position, Orientation, Antenna, EIRP, and SAR values. Includes rows for FR1 n66, WCDMA IV, LTE Band 66, GSM1900, and WCDMA II.



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	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 8	ECl 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	-0.09	0.250	0.338
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 8	ECl 2	42590	3500	1	17.03	18.20	1.309	62.9	1.006	-0.02	0.334	0.440
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 8	ECl 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	-0.09	0.308	0.417
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 8	ECl 2	42590	3500	1	17.03	18.20	1.309	62.9	1.006	-0.16	0.697	0.918
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 8	ECl 2	42190	3460	1	16.93	18.20	1.340	62.9	1.006	0.06	0.666	0.898
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 8	ECl 2	42990	3540	1	16.75	18.20	1.396	62.9	1.006	0.01	0.635	0.892
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 8	ECl 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	0.02	0.644	0.872
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 8	ECl 2	42190	3460	1	16.85	18.20	1.365	62.9	1.006	0.03	0.615	0.844
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 8	ECl 2	42990	3540	1	16.79	18.20	1.384	62.9	1.006	0.06	0.640	0.891
	LTE Band 42	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 8	ECl 2	42590	3500	1	16.95	18.20	1.334	62.9	1.006	0.01	0.636	0.853
21	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECl 2	42590	3500	1	17.03	18.20	1.309	62.9	1.006	0.04	0.709	0.934
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECl 2	42590	3500	2	17.03	18.20	1.309	62.9	1.006	0.02	0.606	0.798
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECl 2	42190	3460	1	16.93	18.20	1.340	62.9	1.006	0.03	0.685	0.923
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 8	ECl 2	42990	3540	1	16.75	18.20	1.396	62.9	1.006	0.01	0.661	0.929
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 8	ECl 2	42590	3500	1	16.91	18.20	1.346	62.9	1.006	0.09	0.656	0.888
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 8	ECl 2	42190	3460	1	16.85	18.20	1.365	62.9	1.006	0.06	0.635	0.872
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 8	ECl 2	42990	3540	1	16.79	18.20	1.384	62.9	1.006	0.02	0.643	0.895
	LTE Band 42	20M	QPSK	100	0	-	Left Tilted	0mm	Ant 8	ECl 2	42590	3500	1	16.95	18.20	1.334	62.9	1.006	0.09	0.622	0.834
	LTE_42C	20M	QPSK	1	99	-	Left Tilted	0mm	Ant 8	ECl 2	42590+42788	3500+3519.8	1	16.99	18.20	1.321	62.9	1.006	0.02	0.685	0.911
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	ECl 2	656000	3840	1	19.36	20.50	1.300	-	-	-0.08	0.263	0.342
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 8	ECl 2	656000	3840	1	19.33	20.50	1.309	-	-	-0.12	0.259	0.339
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	ECl 2	656000	3840	1	19.36	20.50	1.300	-	-	-0.04	0.310	0.403
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 8	ECl 2	656000	3840	1	19.33	20.50	1.309	-	-	-0.05	0.286	0.374
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	ECl 2	656000	3840	1	19.36	20.50	1.300	-	-	0.09	0.581	0.755
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 8	ECl 2	656000	3840	1	19.33	20.50	1.309	-	-	-0.02	0.573	0.750
	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	ECl 2	656000	3840	1	19.36	20.50	1.300	-	-	-0.03	0.710	0.923
	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	ECl 2	656000	3840	1	19.33	20.50	1.309	-	-	0.02	0.635	0.831
	FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 8	ECl 2	656000	3840	1	19.28	20.50	1.324	-	-	0.01	0.623	0.825



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)	
WIFI/BT																		
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	0.03	0.488	0.702	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	-0.05	0.494	0.711	
22	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	-0.01	0.957	1.377	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	2	16.94	18.50	1.432	99.48	1.005	0.03	0.870	1.252	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	99.48	1.005	0.06	0.662	1.052	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(3)	Standalone	11	2462	1	16.28	18.00	1.486	99.48	1.005	-0.02	0.748	1.117	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	93.68	1.067	0.09	0.702	1.184	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	0.03	0.918	1.321	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	99.48	1.005	0.04	0.688	1.093	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(3)	Standalone	11	2462	1	16.28	18.00	1.486	99.48	1.005	0.02	0.668	0.998	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 3+5(5)	Standalone	6	2437	1	16.51	18.50	1.581	93.68	1.067	0.03	0.685	1.156	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.02	0.135	0.190	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.01	0.137	0.193	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.08	0.271	0.382	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	11.03	12.50	1.403	99.48	1.005	0.03	0.254	0.358	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.04	0.037	0.055	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.02	0.038	0.056	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.09	0.072	0.107	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.069	0.102	
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.06	0.284	0.352	
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.09	0.267	0.331	
23	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.01	0.515	0.638	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Full power	39	2441	2	16.93	17.50	1.140	76.66	1.087	0.05	0.493	0.611	
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.03	0.419	0.519	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.06	0.103	0.148	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.04	0.010	0.015	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	0.02	0.471	0.795	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	0.06	0.501	0.845	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(7)	Standalone	62	5310	1	15.03	16.50	1.403	88.81	1.126	0.05	0.396	0.626	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	0.01	0.632	1.066	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Standalone	62	5310	1	15.03	16.50	1.403	88.81	1.126	0.03	0.454	0.717	
24	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(8)	Standalone	54	5270	1	16.74	18.50	1.498	88.81	1.126	-0.1	0.708	1.195	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(8)	Standalone	54	5270	2	16.74	18.50	1.498	88.81	1.126	0.05	0.670	1.130	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(7)	Standalone	62	5310	1	15.03	16.50	1.403	88.81	1.126	0.05	0.510	0.806	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.02	0.148	0.223	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.03	0.159	0.240	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.01	0.197	0.297	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous	58	5290	1	11.52	13.00	1.407	93.35	1.071	0.09	0.221	0.333	
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.476	0.806	
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.03	0.468	0.798	
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.522	0.884	
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.09	0.509	0.867	
25	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.02	0.699	1.183	
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Full power	110	5550	2	16.73	18.50	1.503	88.81	1.126	0.01	0.641	1.085	
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.03	0.687	1.171	
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.04	0.673	1.139	
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+8(7)	Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.01	0.665	1.133	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.02	0.144	0.217	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.06	0.158	0.239	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.05	0.227	0.343	
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous	106	5530	1	12.01	13.50	1.410	93.35	1.071	0.01	0.204	0.308	
	WLAN5.8GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.06	0.496	0.779	



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	WLAN5.8GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.01	0.540	0.849
	WLAN5.8GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 7+8(8)	Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.02	0.525	0.834
	WLAN5.8GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.04	0.720	1.131
	WLAN5.8GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 7+8(8)	Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.05	0.691	1.098
26	WLAN5.8GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 7+8(8)	Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	-0.02	0.752	1.182
	WLAN5.8GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 7+8(8)	Full power	157	5785	2	17.17	19.00	1.524	96.97	1.031	0.06	0.618	0.971
	WLAN5.8GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 7+8(8)	Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	-0.01	0.713	1.133
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.06	0.142	0.219
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.01	0.155	0.239
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.03	0.207	0.319
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 7+8(7)	Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	-0.02	0.224	0.345



16.2 Hotspot SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), Sample, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Includes sections for 750MHz and 835MHz.



FCC SAR Test Report

Report No. : FA361225

Table with columns for test parameters (ID, Modulation, Bandwidth, Power, etc.) and SAR values. Rows include WCDMA V, LTE Band 26, and FR1 n5 configurations.



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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.01	0.025	0.033
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.02	0.038	0.050
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	1413	1732.6	1	17.29	18.50	1.321	-	-	0.06	0.893	1.180
33	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	1312	1712.4	1	17.21	18.50	1.346	-	-	-0.1	0.958	1.289
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	1513	1752.6	1	17.12	18.50	1.374	-	-	0.02	0.867	1.191
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.02	0.592	0.773
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.06	0.478	0.629
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.03	0.696	0.909
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	132072	1720	1	16.50	17.70	1.318	-	-	0.09	0.660	0.870
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	132572	1770	1	16.41	17.70	1.346	-	-	0.01	0.654	0.880
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.06	0.662	0.871
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	132072	1720	1	16.35	17.70	1.365	-	-	0.01	0.633	0.864
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	132572	1770	1	16.46	17.70	1.330	-	-	0.02	0.649	0.863
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECI 7	132322	1745	1	16.35	17.70	1.365	-	-	0.09	0.593	0.809
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.01	0.054	0.071
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.03	0.044	0.058
	LTE Band 66	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.06	0.050	0.065
	LTE Band 66	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.09	0.042	0.055
34	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.54	17.70	1.306	-	-	0.01	0.972	1.270
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132072	1720	1	16.50	17.70	1.318	-	-	0.01	0.924	1.218
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132572	1770	1	16.41	17.70	1.346	-	-	0.02	0.921	1.240
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.51	17.70	1.315	-	-	0.09	0.883	1.161
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	132072	1720	1	16.35	17.70	1.365	-	-	0.01	0.846	1.154
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	132572	1770	1	16.46	17.70	1.330	-	-	0.03	0.894	1.189
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.35	17.70	1.365	-	-	0.09	0.799	1.090
	LTE 66C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	132322+132520	1745+1764.8	1	16.43	17.70	1.340	-	-	0.09	0.859	1.151
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	1	16.52	17.70	1.312	-	-	0.05	0.931	1.222
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.03	0.480	0.626
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.09	0.513	0.679
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.01	0.586	0.764
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.03	0.602	0.797
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.06	0.037	0.048
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.01	0.040	0.053
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.02	0.054	0.070
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.09	0.049	0.065
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	349000	1745	1	16.65	17.80	1.303	-	-	0.01	0.854	1.113
35	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	349000	1745	1	16.58	17.80	1.324	-	-	0.02	0.968	1.282
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	349000	1745	1	16.52	17.80	1.343	-	-	0.03	0.852	1.144
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.09	0.194	0.239
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.01	0.496	0.612
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.02	0.071	0.088
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	0.09	0.013	0.016
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	ECI 7	1413	1732.6	1	15.19	16.10	1.233	-	-	-0.01	0.504	0.621
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.01	0.216	0.289
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.03	0.177	0.239
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.09	0.442	0.592
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.03	0.353	0.476
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.06	0.075	0.100
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.01	0.062	0.084
	LTE Band 66	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	0.02	0.016	0.021
	LTE Band 66	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.09	0.013	0.018
	LTE Band 66	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	132322	1745	1	13.93	15.20	1.340	-	-	-0.02	0.459	0.615
	LTE Band 66	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECI 7	132322	1745	1	13.90	15.20	1.349	-	-	0.06	0.373	0.503
	LTE 66C	20M	QPSK	1	99	-	Top Side	5mm	Ant 1	ECI 7	132322+132520	1745+1764.8	1	13.65	15.20	1.429	-	-	0.05	0.399	0.570
	LTE 66B	15M	QPSK	1	74	-	Top Side	5mm	Ant 1	ECI 7	132322+132415	1745+1754.3	1	13.84	15.20	1.368	-	-	0.06	0.409	0.559
	LTE Band 66_Other PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	132322	1745	1	13.97	15.20	1.327	-	-	0.05	0.421	0.559



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	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.02	0.183	0.237
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.09	0.202	0.266
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.01	0.354	0.458
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.02	0.422	0.555
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.09	0.073	0.094
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.01	0.080	0.105
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.02	0.011	0.014
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	0.09	0.013	0.017
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	349000	1745	1	13.58	14.70	1.294	-	-	0.09	0.415	0.537
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	349000	1745	1	13.51	14.70	1.315	-	-	-0.03	0.468	0.616
1900MHz																					
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.09	0.473	0.600
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.03	0.592	0.750
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.02	0.054	0.068
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	-0.13	0.043	0.055
36	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	661	1880	1	18.97	20.00	1.268	-	-	0.03	1.090	1.382
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	661	1880	2	18.97	20.00	1.268	-	-	0.01	0.960	1.217
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	512	1850.2	1	18.88	20.00	1.294	-	-	0.05	1.060	1.372
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECI 7	810	1909.8	1	18.97	20.00	1.268	-	-	0.07	1.010	1.280
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	-0.12	0.378	0.518
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	-0.01	0.472	0.647
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	0.11	0.026	0.036
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	0.1	0.044	0.060
37	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	9400	1880	1	14.93	16.30	1.371	-	-	0.01	0.928	1.272
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	9262	1852.4	1	14.85	16.30	1.396	-	-	0.11	0.873	1.219
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	ECI 7	9538	1907.6	1	14.91	16.30	1.377	-	-	0.03	0.870	1.198
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.16	0.453	0.559
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	0.11	0.361	0.452
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.11	0.561	0.692
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	0.14	0.541	0.678
	LTE Band 2	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	0.03	0.035	0.043
	LTE Band 2	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	0.14	0.028	0.035
	LTE Band 2	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.04	0.045	0.055
	LTE Band 2	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	-0.17	0.044	0.055
38	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	18900	1880	1	15.79	16.70	1.233	-	-	-0.01	1.030	1.270
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	18700	1860	1	15.77	16.70	1.239	-	-	0.05	0.996	1.234
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	19100	1900	1	15.73	16.70	1.250	-	-	0.03	0.971	1.214
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	18900	1880	1	15.72	16.70	1.253	-	-	-0.08	0.952	1.193
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	18700	1860	1	15.67	16.70	1.268	-	-	0.07	0.913	1.157
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	19100	1900	1	15.70	16.70	1.259	-	-	0.08	0.969	1.220
	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	18900	1880	1	15.67	16.70	1.268	-	-	0.07	0.968	1.227
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	-0.09	0.396	0.524
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	-0.01	0.414	0.557
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	-0.06	0.440	0.583
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	0.07	0.501	0.674
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	0.11	0.028	0.037
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	0.06	0.033	0.044
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	-0.14	0.044	0.058
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	-0.13	0.047	0.063
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	376000	1880	1	16.88	18.10	1.324	-	-	0.06	0.915	1.212
39	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	376000	1880	1	16.81	18.10	1.346	-	-	-0.01	0.950	1.279
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	376000	1880	1	16.79	18.10	1.352	-	-	0.06	0.903	1.221
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.06	0.211	0.260
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.06	0.493	0.608
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.09	0.057	0.070
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	0.07	0.028	0.035



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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	ECI 7	9400	1880	1	13.69	14.60	1.233	-	-	-0.05	0.501	0.618
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	0.03	0.180	0.262
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.03	0.145	0.214
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	-0.06	0.408	0.594
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.04	0.317	0.468
	LTE Band 2	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	0.04	0.051	0.074
	LTE Band 2	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	-0.1	0.042	0.062
	LTE Band 2	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	0.1	0.025	0.036
	LTE Band 2	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.07	0.020	0.030
	LTE Band 2	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECI 7	18900	1880	1	13.97	15.60	1.455	-	-	-0.05	0.432	0.629
	LTE Band 2	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECI 7	18900	1880	1	13.91	15.60	1.476	-	-	0.06	0.317	0.468
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	0.07	0.187	0.257
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.13	0.202	0.286
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	-0.15	0.401	0.551
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	0.02	0.433	0.613
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	0.14	0.065	0.089
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.12	0.067	0.095
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	-0.13	0.025	0.034
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.12	0.020	0.028
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	376000	1880	1	14.62	16.00	1.374	-	-	-0.04	0.448	0.616
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECI 7	376000	1880	1	14.49	16.00	1.416	-	-	-0.03	0.433	0.613
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	0.08	0.453	0.551
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.08	0.368	0.453
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	-0.02	0.747	0.908
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	20850	2510	1	17.03	18.00	1.250	-	-	-0.15	0.711	0.889
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	21350	2560	1	16.99	18.00	1.262	-	-	0.04	0.674	0.850
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.18	0.703	0.865
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	20850	2510	1	17.02	18.00	1.253	-	-	0.02	0.693	0.868
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	21350	2560	1	16.96	18.00	1.271	-	-	0.06	0.652	0.828
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECI 7	21100	2535	1	17.05	18.00	1.245	-	-	-0.08	0.672	0.836
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	0.06	0.012	0.015
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.08	0.011	0.014
	LTE Band 7	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	-0.18	0.056	0.068
	LTE Band 7	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.04	0.046	0.057
40	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.15	18.00	1.216	-	-	0.03	1.060	1.289
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	20850	2510	1	17.03	18.00	1.250	-	-	0.1	1.020	1.275
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21350	2560	1	16.99	18.00	1.262	-	-	0.04	0.938	1.184
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.10	18.00	1.230	-	-	0.09	0.908	1.117
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	20850	2510	1	17.02	18.00	1.253	-	-	0.06	0.957	1.199
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECI 7	21350	2560	1	16.96	18.00	1.271	-	-	-0.03	0.949	1.206
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	17.05	18.00	1.245	-	-	0.05	0.953	1.186
	LTE 7C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	21100+21298	2535+2554.8	1	16.88	18.00	1.294	-	-	0.01	0.956	1.237
	LTE 7C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECI 7	20850+21048	2510+2529.8	1	16.74	18.00	1.337	-	-	0.06	0.923	1.234
	LTE 7C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21350+21152	2560+2540.2	1	16.72	18.00	1.343	-	-	0.02	0.910	1.222
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	21100	2535	1	16.74	18.00	1.337	-	-	0.09	0.868	1.160
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.02	0.478	0.617
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECI 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	-0.18	0.374	0.493
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.06	0.786	1.014
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	37850	2580	1	19.21	20.40	1.315	62.9	1.006	0.1	0.753	0.996
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	38150	2610	1	19.14	20.40	1.337	62.9	1.006	0.18	0.741	0.996
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	-0.04	0.710	0.935
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	37850	2580	1	19.20	20.40	1.318	62.9	1.006	-0.04	0.701	0.930
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECI 7	38150	2610	1	19.22	20.40	1.312	62.9	1.006	-0.15	0.651	0.859
	LTE Band 38	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECI 7	38000	2595	1	19.16	20.40	1.330	62.9	1.006	0.04	0.699	0.936
	LTE Band 38	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECI 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	-0.12	0.020	0.026



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	LTE Band 38	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECl 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	0.01	0.015	0.020
	LTE Band 38	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECl 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.09	0.036	0.046
	LTE Band 38	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECl 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	0.1	0.034	0.045
41	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	38000	2595	1	19.32	20.40	1.282	62.9	1.006	0.02	1.010	1.303
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	38000	2595	2	19.32	20.40	1.282	62.9	1.006	0.03	0.877	1.131
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	37850	2580	1	19.21	20.40	1.315	62.9	1.006	-0.07	0.905	1.197
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	38150	2610	1	19.14	20.40	1.337	62.9	1.006	0.02	0.937	1.260
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	38000	2595	1	19.23	20.40	1.309	62.9	1.006	0.11	0.972	1.280
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	37850	2580	1	19.20	20.40	1.318	62.9	1.006	-0.15	0.941	1.248
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	38150	2610	1	19.22	20.40	1.312	62.9	1.006	0.02	0.949	1.253
	LTE Band 38	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECl 7	38000	2595	1	19.16	20.40	1.330	62.9	1.006	0.09	0.942	1.261
	LTE 38C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECl 7	37901+38099	2585.1+2604.9	1	19.03	20.40	1.371	62.9	1.006	0.11	0.933	1.287
	LTE 38C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECl 7	37850+38048	2580+2599.8	1	18.94	20.40	1.400	62.9	1.006	0.03	0.902	1.270
	LTE 38C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	38150+37952	2610+2590.2	1	18.91	20.40	1.409	62.9	1.006	0.01	0.896	1.270
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	38000	2595	1	16.68	17.50	1.208	100	1.000	0.05	0.889	1.074
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	ECl 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.1	0.378	0.458
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	ECl 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.08	0.297	0.364
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECl 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.01	0.664	0.805
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECl 7	39750	2506	1	21.25	22.10	1.216	62.9	1.006	0.03	0.599	0.733
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECl 7	40185	2549.5	1	21.23	22.10	1.222	62.9	1.006	-0.05	0.588	0.723
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECl 7	41055	2636.5	1	21.15	22.10	1.245	62.9	1.006	0.11	0.577	0.722
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECl 7	41490	2680	1	21.12	22.10	1.253	62.9	1.006	0.06	0.594	0.749
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECl 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	-0.13	0.649	0.796
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECl 7	39750	2506	1	21.17	22.10	1.239	62.9	1.006	0.18	0.589	0.734
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECl 7	40185	2549.5	1	21.04	22.10	1.276	62.9	1.006	-0.13	0.614	0.788
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECl 7	41055	2636.5	1	21.16	22.10	1.242	62.9	1.006	0.03	0.587	0.733
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	ECl 7	41490	2680	1	21.13	22.10	1.250	62.9	1.006	-0.12	0.565	0.711
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	ECl 7	40620	2593	1	21.09	22.10	1.262	62.9	1.006	-0.1	0.540	0.685
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	ECl 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	-0.17	0.019	0.023
	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	ECl 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.11	0.014	0.017
	LTE Band 41	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	ECl 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.07	0.036	0.044
	LTE Band 41	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	ECl 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.03	0.033	0.040
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	40620	2593	1	21.29	22.10	1.205	62.9	1.006	0.03	0.998	1.210
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	39750	2506	1	21.25	22.10	1.216	62.9	1.006	0.06	0.895	1.095
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	40185	2549.5	1	21.23	22.10	1.222	62.9	1.006	-0.14	0.860	1.057
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	41055	2636.5	1	21.15	22.10	1.245	62.9	1.006	0.06	0.862	1.079
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	41490	2680	1	21.12	22.10	1.253	62.9	1.006	0.01	0.879	1.108
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	40620	2593	1	21.24	22.10	1.219	62.9	1.006	0.08	0.902	1.106
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	39750	2506	1	21.17	22.10	1.239	62.9	1.006	0.1	0.869	1.083
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	40185	2549.5	1	21.04	22.10	1.276	62.9	1.006	-0.04	0.828	1.063
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	41055	2636.5	1	21.16	22.10	1.242	62.9	1.006	-0.1	0.861	1.075
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	ECl 7	41490	2680	1	21.13	22.10	1.250	62.9	1.006	-0.1	0.887	1.116
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	ECl 7	40620	2593	1	21.09	22.10	1.262	62.9	1.006	0.02	0.872	1.107
42	LTE Band 41 HPUE	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	40620	2593	1	22.80	23.70	1.230	42.9	1.009	0.05	1.040	1.291
	LTE 41C	20M	QPSK	1	99	-	Bottom Side	5mm	Ant 0	ECl 7	40620+40818	2593+2612.8	1	21.02	22.10	1.282	62.9	1.006	0.03	0.921	1.188
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECl 7	40620	2593	1	18.09	19.00	1.233	100	1.000	0.09	0.794	0.979
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	ECl 7	507000	2535	1	14.83	15.90	1.279	-	-	-0.05	0.370	0.473
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	ECl 7	507000	2535	1	14.76	15.90	1.300	-	-	-0.16	0.362	0.471
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECl 7	507000	2535	1	14.83	15.90	1.279	-	-	0.07	0.705	0.902
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	ECl 7	507000	2535	1	14.76	15.90	1.300	-	-	-0.03	0.686	0.892
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	ECl 7	507000	2535	1	14.67	15.90	1.327	-	-	0.04	0.676	0.897
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECl 7	507000	2535	1	14.83	15.90	1.279	-	-	0.07	0.021	0.027
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 0	ECl 7	507000	2535	1	14.76	15.90	1.300	-	-	0.14	0.030	0.039
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECl 7	507000	2535	1	14.83	15.90	1.279	-	-	0.15	0.091	0.116
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 0	ECl 7	507000	2535	1	14.76	15.90	1.300	-	-	0.06	0.075	0.098
43	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECl 7	507000	2535	1	14.83	15.90	1.279	-	-	0.02	1.010	1.292



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Table with columns for frequency, power, modulation, bandwidth, channel, test method, antenna, distance, SAR, etc. Includes rows for FR1 n7, FR1 n38, FR1 n41, LTE Band 7, LTE Band 38, LTE Band 41, and LTE Band 7C.



	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	ECl 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	0.09	0.029	0.037
	LTE Band 41	20M	QPSK	1	0	-	Right Side	5mm	Ant 1	ECl 7	40620	2593	1	18.09	19.10	1.262	62.9	1.006	-0.18	0.015	0.019
	LTE Band 41	20M	QPSK	50	0	-	Right Side	5mm	Ant 1	ECl 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	-0.09	0.012	0.015
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECl 7	40620	2593	1	18.09	19.10	1.262	62.9	1.006	0.06	0.493	0.626
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECl 7	39750	2506	1	17.94	19.10	1.306	62.9	1.006	0.03	0.471	0.619
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECl 7	40185	2549.5	1	18.03	19.10	1.279	62.9	1.006	-0.14	0.460	0.592
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECl 7	41055	2636.5	1	17.97	19.10	1.297	62.9	1.006	-0.15	0.439	0.573
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECl 7	41490	2680	1	18.01	19.10	1.285	62.9	1.006	0.05	0.477	0.617
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	ECl 7	40620	2593	1	18.04	19.10	1.276	62.9	1.006	0.04	0.455	0.584
	LTE Band 41	20M	QPSK	100	0	-	Top Side	5mm	Ant 1	ECl 7	40620	2593	1	18.00	19.10	1.288	62.9	1.006	-0.09	0.434	0.562
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECl 7	40620	2593	1	19.78	20.70	1.236	42.9	1.009	-0.02	0.497	0.620
	LTE 41C	20M	QPSK	1	99	-	Top Side	5mm	Ant 1	ECl 7	40620+40818	2593+2612.8	1	17.97	19.10	1.297	62.9	1.006	-0.09	0.459	0.599
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	ECl 7	40620	2593	1	15.88	17.00	1.294	100	1.000	0.03	0.428	0.554
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	ECl 7	507000	2535	1	15.48	16.60	1.294	-	-	-0.03	0.238	0.308
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	ECl 7	507000	2535	1	15.41	16.60	1.315	-	-	-0.04	0.258	0.339
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	ECl 7	507000	2535	1	15.48	16.60	1.294	-	-	0.06	0.353	0.457
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	ECl 7	507000	2535	1	15.41	16.60	1.315	-	-	0.08	0.460	0.605
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECl 7	507000	2535	1	15.48	16.60	1.294	-	-	0.05	0.033	0.043
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	5mm	Ant 1	ECl 7	507000	2535	1	15.41	16.60	1.315	-	-	0.05	0.042	0.055
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECl 7	507000	2535	1	15.48	16.60	1.294	-	-	0.06	0.014	0.018
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Side	5mm	Ant 1	ECl 7	507000	2535	1	15.41	16.60	1.315	-	-	0.03	0.012	0.016
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECl 7	507000	2535	1	15.48	16.60	1.294	-	-	0.02	0.406	0.525
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECl 7	507000	2535	1	15.41	16.60	1.315	-	-	-0.03	0.475	0.625
	FR1 n7_Other PA	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	5mm	Ant 1	ECl 7	507000	2535	1	15.66	16.60	1.242	-	-	0.08	0.429	0.533
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	ECl 7	519000	2595	1	15.85	17.20	1.365	-	-	0.07	0.199	0.272
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 1	ECl 7	519000	2595	1	15.81	17.20	1.377	-	-	0.03	0.212	0.292
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	ECl 7	519000	2595	1	15.85	17.20	1.365	-	-	0.07	0.434	0.592
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 1	ECl 7	519000	2595	1	15.81	17.20	1.377	-	-	0.03	0.396	0.545
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECl 7	519000	2595	1	15.85	17.20	1.365	-	-	0.18	0.041	0.056
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECl 7	519000	2595	1	15.81	17.20	1.377	-	-	0.17	0.042	0.058
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECl 7	519000	2595	1	15.85	17.20	1.365	-	-	0.12	0.011	0.015
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECl 7	519000	2595	1	15.81	17.20	1.377	-	-	-0.02	0.010	0.014
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECl 7	519000	2595	1	15.85	17.20	1.365	-	-	0.04	0.355	0.484
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECl 7	519000	2595	1	15.81	17.20	1.377	-	-	0.03	0.447	0.616
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	ECl 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.18	0.266	0.328
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	ECl 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.05	0.234	0.294
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	ECl 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.02	0.431	0.531
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	ECl 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.11	0.478	0.600
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECl 7	518598	2592.99	1	15.99	16.90	1.233	-	-	-0.05	0.045	0.055
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECl 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.04	0.048	0.060
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECl 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.08	0.016	0.020
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 1	ECl 7	518598	2592.99	1	15.91	16.90	1.256	-	-	0.05	0.010	0.013
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECl 7	518598	2592.99	1	15.99	16.90	1.233	-	-	0.18	0.428	0.528
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 1	ECl 7	518598	2592.99	1	15.91	16.90	1.256	-	-	-0.05	0.497	0.624
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	ECl 7	519000	2595	1	23.12	23.50	1.091	-	-	0.07	0.389	0.425
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 2	ECl 7	519000	2595	1	22.54	23.50	1.247	-	-	0.03	0.345	0.430
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	ECl 7	519000	2595	1	23.12	23.50	1.091	-	-	0.07	0.713	0.778
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Back	5mm	Ant 2	ECl 7	519000	2595	1	22.54	23.50	1.247	-	-	0.03	0.625	0.780
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECl 7	519000	2595	1	23.12	23.50	1.091	-	-	0.18	1.020	1.113
45	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECl 7	519000	2595	1	22.54	23.50	1.247	-	-	-0.01	1.030	1.285
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECl 7	519000	2595	2	22.54	23.50	1.247	-	-	0.03	0.940	1.173
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECl 7	519000	2595	1	21.59	23.00	1.384	-	-	0.08	0.851	1.177
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECl 7	519000	2595	1	23.12	23.50	1.091	-	-	0.04	0.279	0.305
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECl 7	519000	2595	1	22.54	23.50	1.247	-	-	0.03	0.428	0.534
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	ECl 7	519000	2595	1	14.31	15.50	1.315	-	-	0.03	0.106	0.139
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 6	ECl 7	519000	2595	1	14.28	15.50	1.324	-	-	0.03	0.127	0.168



FCC SAR Test Report

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Table with columns for device model, power, modulation, bandwidth, frequency, location, antenna, etc. Includes rows for FR1 n38, LTE Band 42, and FR1 n77 Part270.



FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECl 7	656000	3840	1	12.66	13.80	1.300	-	-	-0.07	0.054	0.070
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECl 7	656000	3840	1	12.62	13.80	1.312	-	-	-0.19	0.045	0.059
LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 7	ECl 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.07	0.123	0.159
LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 7	ECl 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	-0.18	0.121	0.158
LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 7	ECl 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	-0.02	0.257	0.332
LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 7	ECl 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	0.11	0.219	0.285
LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 7	ECl 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.05	0.015	0.019
LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 7	ECl 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	0.07	0.013	0.017
LTE Band 42	20M	QPSK	1	0	-	Right Side	5mm	Ant 7	ECl 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.12	0.042	0.054
LTE Band 42	20M	QPSK	50	0	-	Right Side	5mm	Ant 7	ECl 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	0.04	0.037	0.048
LTE Band 42	20M	QPSK	1	0	-	Top Side	5mm	Ant 7	ECl 7	42590	3500	1	14.21	15.30	1.285	62.9	1.006	0.12	0.486	0.628
LTE Band 42	20M	QPSK	50	0	-	Top Side	5mm	Ant 7	ECl 7	42590	3500	1	14.18	15.30	1.294	62.9	1.006	-0.08	0.415	0.540
LTE 42C	20M	QPSK	1	99	-	Top Side	5mm	Ant 7	ECl 7	42590+42788	3500+3519.8	1	14.15	15.30	1.303	62.9	1.006	-0.17	0.456	0.598
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	ECl 7	656000	3840	1	14.07	15.00	1.239	-	-	-0.04	0.177	0.219
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	ECl 7	656000	3840	1	14.03	15.00	1.250	-	-	0.06	0.187	0.234
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	ECl 7	656000	3840	1	14.07	15.00	1.239	-	-	-0.19	0.362	0.448
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	ECl 7	656000	3840	1	14.03	15.00	1.250	-	-	0.02	0.514	0.643
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECl 7	656000	3840	1	14.07	15.00	1.239	-	-	0.18	0.021	0.026
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECl 7	656000	3840	1	14.03	15.00	1.250	-	-	0.12	0.025	0.031
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECl 7	656000	3840	1	14.07	15.00	1.239	-	-	-0.03	0.016	0.020
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECl 7	656000	3840	1	14.03	15.00	1.250	-	-	-0.19	0.011	0.014
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECl 7	656000	3840	1	14.07	15.00	1.239	-	-	0.05	0.482	0.597
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECl 7	656000	3840	1	14.03	15.00	1.250	-	-	0.03	0.483	0.604
LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 8	ECl 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.04	0.202	0.270
LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 8	ECl 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	-0.06	0.185	0.260
LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 8	ECl 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.06	0.475	0.634
LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 8	ECl 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	0.13	0.434	0.611
LTE Band 42	20M	QPSK	1	0	-	Left Side	5mm	Ant 8	ECl 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.1	0.120	0.160
LTE Band 42	20M	QPSK	50	0	-	Left Side	5mm	Ant 8	ECl 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	-0.12	0.072	0.101
LTE Band 42	20M	QPSK	1	0	-	Right Side	5mm	Ant 8	ECl 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	-0.04	0.258	0.345
LTE Band 42	20M	QPSK	50	0	-	Right Side	5mm	Ant 8	ECl 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	0.02	0.242	0.341
LTE Band 42	20M	QPSK	1	0	-	Top Side	5mm	Ant 8	ECl 7	42590	3500	1	16.57	17.80	1.327	62.9	1.006	0.05	0.263	0.351
LTE Band 42	20M	QPSK	50	0	-	Top Side	5mm	Ant 8	ECl 7	42590	3500	1	16.34	17.80	1.400	62.9	1.006	0.02	0.246	0.346
LTE 42C	20M	QPSK	1	99	-	Back	5mm	Ant 8	ECl 7	42590+42788	3500+3519.8	1	16.18	17.80	1.452	62.9	1.006	0.05	0.401	0.586
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 7	656000	3840	1	17.52	18.50	1.253	-	-	-0.05	0.106	0.133
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECl 7	656000	3840	1	17.47	18.50	1.268	-	-	0.07	0.107	0.136
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 7	656000	3840	1	17.52	18.50	1.253	-	-	0.11	0.482	0.604
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECl 7	656000	3840	1	17.47	18.50	1.268	-	-	-0.03	0.493	0.625
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 8	ECl 7	656000	3840	1	17.52	18.50	1.253	-	-	0.05	0.020	0.025
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 8	ECl 7	656000	3840	1	17.47	18.50	1.268	-	-	0.13	0.018	0.023
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 7	656000	3840	1	17.52	18.50	1.253	-	-	-0.03	0.051	0.064
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECl 7	656000	3840	1	17.47	18.50	1.268	-	-	-0.12	0.075	0.095
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 7	656000	3840	1	17.52	18.50	1.253	-	-	-0.1	0.322	0.404
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECl 7	656000	3840	1	17.47	18.50	1.268	-	-	0.19	0.312	0.396



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)
WFIF/BT																	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	0.04	0.236	0.339
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	-0.02	0.495	0.711
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	0.09	0.025	0.036
48	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	-0.01	0.506	0.727
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+5(5)	Standalone	1	2412	2	16.45	18.00	1.429	99.48	1.005	0.05	0.502	0.721
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3+5(5)	Standalone	1	2412	1	16.45	18.00	1.429	99.48	1.005	-0.02	0.375	0.539
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.06	0.047	0.070
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.098	0.145
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.03	0.005	0.007
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	-0.04	0.100	0.148
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 5	Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.074	0.109
	Bluetooth	1Mbps	Front	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.06	0.258	0.320
	Bluetooth	1Mbps	Back	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.01	0.267	0.331
	Bluetooth	1Mbps	Left Side	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.09	0.033	0.041
	Bluetooth	1Mbps	Right Side	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.02	0.054	0.067
49	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.08	0.467	0.579
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Full power	39	2441	2	16.93	17.50	1.140	76.66	1.087	0.04	0.451	0.559
	Bluetooth	1Mbps	Front	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.03	0.036	0.052
	Bluetooth	1Mbps	Back	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.02	0.038	0.055
	Bluetooth	1Mbps	Left Side	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.01	0.005	0.007
	Bluetooth	1Mbps	Right Side	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.08	0.008	0.012
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Simultaneous	39	2441	1	10.78	12.00	1.324	76.66	1.087	0.06	0.066	0.095
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.06	0.002	0.003
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	0.05	0.146	0.245
50	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	0.01	0.437	0.732
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)	Standalone	46	5230	2	15.27	17.00	1.488	88.81	1.126	0.06	0.405	0.679
	WLAN5.2GHz	802.11n-HT40 MCS0	Left Side	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	-0.1	0.031	0.052
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	-0.02	0.145	0.243
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	5mm	Ant 7+8(8)	Standalone	46	5230	1	15.27	17.00	1.488	88.81	1.126	-0.01	0.301	0.504
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.06	0.188	0.298
51	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.08	0.423	0.670
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)	Standalone	155	5775	2	15.80	17.50	1.480	93.35	1.071	0.04	0.381	0.604
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.02	0.052	0.082
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	-0.03	0.162	0.257
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 7+8(7)	Standalone	155	5775	1	15.80	17.50	1.480	93.35	1.071	0.01	0.342	0.542



16.3 Body Worn Accessory SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Headset, Power State, Ch., Freq. (MHz), Sample, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Includes rows for LTE Bands 12, 13, GSM850, WCDMA V, and FR1 n5.



Table with columns: Band, Modulation, Power, etc. Includes rows for LTE Band 26, FR1 n5, WCDMA IV, and LTE Band 66. Includes a 1750MHz section.



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Table with columns for WCDMA IV, LTE Band, FR1 n66, GSM1900, WCDMA II, and LTE Band 2. Rows include various parameters like Modulation, Bandwidth, Power, Frequency, and SAR values.



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	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	18900	1880	1	18.44	19.80	1.368	-	-	0.16	0.783	1.071
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	19100	1900	1	22.47	24.00	1.422	-	-	-0.04	0.207	0.294
	LTE Band 2	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	18900	1880	1	22.56	24.00	1.393	-	-	-0.05	0.222	0.309
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376000	1880	1	20.77	21.80	1.268	-	-	-0.14	0.799	1.013
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376000	1880	1	20.75	21.80	1.274	-	-	0.04	0.834	1.062
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376000	1880	1	20.63	21.80	1.309	-	-	0.13	0.740	0.969
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376000	1880	1	20.77	21.80	1.268	-	-	0.01	0.987	1.251
64	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376000	1880	1	20.75	21.80	1.274	-	-	0.02	1.010	1.286
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376000	1880	1	20.63	21.80	1.309	-	-	0.08	0.966	1.265
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	376000	1880	1	20.75	21.80	1.274	-	-	0.03	0.951	1.211
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 0	-	ECI 4	376000	1880	1	22.57	23.50	1.239	-	-	0.04	0.224	0.277
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	23mm	Ant 0	-	ECI 4	376000	1880	1	22.57	23.50	1.239	-	-	0.02	0.220	0.273
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 3	9400	1880	1	15.12	16.40	1.343	-	-	0.07	0.296	0.397
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9400	1880	1	15.12	16.40	1.343	-	-	-0.01	0.690	0.927
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9262	1852.4	1	15.07	16.40	1.358	-	-	0.18	0.671	0.911
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9538	1907.6	1	15.04	16.40	1.368	-	-	0.16	0.661	0.904
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	-	ECI 4	9400	1880	1	23.68	24.50	1.208	-	-	0.07	0.164	0.198
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant 1	-	ECI 4	9400	1880	1	23.68	24.50	1.208	-	-	-0.01	0.188	0.227
	LTE Band 2	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	18900	1880	1	16.04	17.40	1.368	-	-	0.01	0.301	0.412
	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	18900	1880	1	15.94	17.40	1.400	-	-	0.04	0.242	0.339
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	1	16.04	17.40	1.368	-	-	0.06	0.681	0.931
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	2	16.04	17.40	1.368	-	-	0.01	0.540	0.739
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	18700	1860	1	15.98	17.40	1.387	-	-	-0.16	0.651	0.903
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	19100	1900	1	16.02	17.40	1.374	-	-	-0.02	0.627	0.862
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	1	15.94	17.40	1.400	-	-	0.05	0.629	0.880
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	18700	1860	1	15.79	17.40	1.449	-	-	-0.06	0.621	0.900
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	19100	1900	1	15.90	17.40	1.413	-	-	0.04	0.593	0.838
	LTE Band 2	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	18900	1880	1	15.92	17.40	1.406	-	-	-0.12	0.589	0.828
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	18900	1880	1	21.89	23.00	1.291	-	-	0.01	0.192	0.248
	LTE Band 2	20M	QPSK	1	0	-	Back	23mm	Ant 1	-	ECI 4	18900	1880	1	21.89	23.00	1.291	-	-	0.06	0.158	0.204
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	17.19	18.30	1.291	-	-	-0.03	0.304	0.393
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	17.11	18.30	1.315	-	-	0.03	0.329	0.433
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	17.19	18.30	1.291	-	-	-0.19	0.651	0.841
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	17.11	18.30	1.315	-	-	-0.04	0.703	0.925
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	17.16	18.30	1.300	-	-	0.01	0.688	0.895
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 1	-	ECI 4	376000	1880	1	21.60	23.00	1.380	-	-	0.03	0.186	0.257
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	23mm	Ant 1	-	ECI 4	376000	1880	1	21.60	23.00	1.380	-	-	-0.04	0.145	0.200
2600MHz																						
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	21100	2535	1	18.41	19.90	1.409	-	-	-0.05	0.555	0.782
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	21100	2535	1	18.38	19.90	1.419	-	-	0.02	0.451	0.640
65	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.41	19.90	1.409	-	-	-0.05	0.915	1.289
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	20850	2510	1	18.27	19.90	1.455	-	-	0.03	0.872	1.269
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21350	2560	1	18.36	19.90	1.426	-	-	0.04	0.826	1.178
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.38	19.90	1.419	-	-	0.08	0.839	1.191
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	20850	2510	1	18.12	19.90	1.507	-	-	0.08	0.826	1.244
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	21350	2560	1	18.31	19.90	1.442	-	-	0.04	0.876	1.263
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.22	19.90	1.472	-	-	0.08	0.795	1.170
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	21100	2535	1	18.41	19.90	1.409	-	-	0.02	0.735	1.036
	LTE 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	21100+21298	2535+2554.8	1	18.38	19.90	1.419	-	-	0.06	0.888	1.260
	LTE 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	20850+21048	2510+2529.8	1	18.13	19.90	1.503	-	-	0.02	0.816	1.227
	LTE 7C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21350+21152	2560+2540.2	1	18.36	19.90	1.426	-	-	0.03	0.872	1.243
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	21100	2535	1	23.18	24.00	1.208	-	-	-0.05	0.289	0.349
	LTE Band 7	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	21100	2535	1	23.18	24.00	1.208	-	-	-0.05	0.257	0.310
	LTE Band 7_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	1	18.69	19.90	1.321	-	-	0.07	0.900	1.189
	LTE Band 38	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	38000	2595	1	20.17	21.40	1.327	62.9	1.006	0.04	0.590	0.788
	LTE Band 38	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	38000	2595	1	20.16	21.40	1.330	62.9	1.006	-0.11	0.561	0.751



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66	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	20.17	21.40	1.327	62.9	1.006	-0.01	0.969	1.294
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	37850	2580	1	20.03	21.40	1.371	62.9	1.006	-0.12	0.928	1.280
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38150	2610	1	20.06	21.40	1.361	62.9	1.006	0.1	0.914	1.252
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	20.16	21.40	1.330	62.9	1.006	-0.18	0.852	1.140
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	37850	2580	1	20.02	21.40	1.374	62.9	1.006	0.03	0.812	1.122
	LTE Band 38	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	38150	2610	1	19.93	21.40	1.403	62.9	1.006	-0.1	0.841	1.187
	LTE Band 38	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	20.13	21.40	1.340	62.9	1.006	-0.14	0.789	1.063
	LTE Band 38	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	38000	2595	1	20.17	21.40	1.327	62.9	1.006	0.05	0.844	1.127
	LTE 38C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	37901+38099	2585.1+2604.9	1	19.72	21.40	1.472	62.9	1.006	-0.01	0.856	1.268
	LTE 38C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	37850+38048	2580+2599.8	1	19.63	21.40	1.503	62.9	1.006	0.05	0.823	1.245
	LTE 38C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38150+37952	2610+2590.2	1	19.78	21.40	1.452	62.9	1.006	0.03	0.849	1.240
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	38000	2595	1	23.18	24.00	1.208	62.9	1.006	0.04	0.256	0.311
	LTE Band 38	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	38000	2595	1	23.18	24.00	1.208	62.9	1.006	-0.01	0.262	0.318
	LTE Band 38_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	38000	2595	1	17.68	18.50	1.208	100	1.000	0.03	0.793	0.958
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	1	22.03	23.10	1.279	62.9	1.006	-0.08	0.625	0.804
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	39750	2506	1	21.69	23.10	1.384	62.9	1.006	0.02	0.605	0.842
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.79	23.10	1.352	62.9	1.006	0.07	0.588	0.800
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.71	23.10	1.377	62.9	1.006	0.05	0.539	0.747
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	41490	2680	1	21.93	23.10	1.309	62.9	1.006	0.04	0.578	0.761
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	1	21.43	23.00	1.435	62.9	1.006	0.17	0.559	0.807
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	39750	2506	1	21.31	23.00	1.476	62.9	1.006	0.06	0.509	0.756
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.26	23.00	1.493	62.9	1.006	0.02	0.555	0.833
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.23	23.00	1.503	62.9	1.006	0.01	0.526	0.795
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	41490	2680	1	21.40	23.00	1.445	62.9	1.006	0.07	0.496	0.721
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	41490	2680	1	21.40	23.00	1.445	62.9	1.006	0.07	0.496	0.721
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	1	21.38	23.00	1.452	62.9	1.006	0.01	0.497	0.726
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	22.03	23.10	1.279	62.9	1.006	-0.04	0.948	1.220
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	39750	2506	1	21.69	23.10	1.384	62.9	1.006	0.02	0.825	1.148
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.79	23.10	1.352	62.9	1.006	0.04	0.802	1.091
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.71	23.10	1.377	62.9	1.006	0.02	0.831	1.151
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	41490	2680	1	21.93	23.10	1.309	62.9	1.006	0.13	0.888	1.170
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	21.43	23.00	1.435	62.9	1.006	-0.02	0.833	1.203
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	39750	2506	1	21.31	23.00	1.476	62.9	1.006	-0.1	0.814	1.208
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	40185	2549.5	1	21.26	23.00	1.493	62.9	1.006	0.14	0.802	1.204
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	41055	2636.5	1	21.23	23.00	1.503	62.9	1.006	-0.11	0.771	1.166
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	41490	2680	1	21.40	23.00	1.445	62.9	1.006	-0.13	0.750	1.091
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	21.38	23.00	1.452	62.9	1.006	0.1	0.739	1.080
67	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	23.55	24.70	1.303	42.9	1.009	-0.08	0.981	1.290
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	40620	2593	1	22.03	23.10	1.279	62.9	1.006	0.08	0.824	1.061
	LTE 41C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	40620+40818	2593+2612.8	1	21.67	23.10	1.390	62.9	1.006	-0.04	0.844	1.180
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 0	-	ECI 4	39750	2506	1	22.36	24.00	1.459	62.9	1.006	0.02	0.211	0.310
	LTE Band 41	20M	QPSK	1	0	-	Back	23mm	Ant 0	-	ECI 4	40620	2593	1	22.62	24.00	1.374	62.9	1.006	-0.04	0.275	0.380
	LTE Band 41_Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	1	19.09	20.00	1.233	100	1.000	0.05	0.883	1.089
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	507000	2535	1	16.88	18.00	1.294	-	-	0.16	0.523	0.677
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	507000	2535	1	16.76	18.00	1.330	-	-	0.16	0.512	0.681
68	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.88	18.00	1.294	-	-	-0.03	0.997	1.290
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.76	18.00	1.330	-	-	-0.05	0.934	1.243
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.81	18.00	1.315	-	-	0.02	0.886	1.165
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	507000	2535	1	16.88	18.00	1.294	-	-	0.16	0.901	1.166
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 0	-	ECI 4	507000	2535	1	23.01	24.00	1.256	-	-	0.16	0.253	0.318
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	23mm	Ant 0	-	ECI 4	507000	2535	1	23.02	24.00	1.253	-	-	-0.03	0.231	0.289
	FR1 n7_Other PA	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	1	16.68	18.00	1.355	-	-	0.05	0.931	1.262
	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	519000	2595	1	17.61	18.90	1.346	-	-	0.1	0.634	0.853
	FR1 n38	40M	QPSK	108	54	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	519000	2595	1	17.47	18.90	1.390	-	-	-0.09	0.590	0.820
	FR1 n38	40M	QPSK	216	0	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	519000	2595	1	17.45	18.90	1.396	-	-	0.18	0.577	0.806
69	FR1 n38	40M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	519000	2595	1	17.61	18.90	1.346	-	-	-0.08	0.942	1.268
	FR1 n38	40M																				



FCC SAR Test Report

Report No. : FA361225

Table with 21 columns: Test ID, Frequency, Modulation, Power, Duty Cycle, Bandwidth, Position, Antenna, Orientation, Exposure, SAR, etc. Contains rows for FR1 n38, FR1 n41, LTE Band 7, LTE Band 38, LTE Band 41, and LTE Band 41 HPUE.



FCC SAR Test Report

Report No. : FA361225

Table with 24 columns: LTE Band, Power, Modulation, Repetitions, Frequency, Direction, Antenna, Antenna Type, EIRP, Frequency, Power, Repetitions, Power Density, Power Density, Power Density, Power Density, Power Density, Power Density, Power Density, Power Density, Power Density, Power Density, Power Density, Power Density.



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Sample	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)
WIFI/BT																		
73	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.06	0.423	0.617
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.09	0.887	1.294
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	1	2412	2	20.38	22.00	1.452	99.48	1.005	0.02	0.884	1.290
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	6	2462	1	19.13	21.00	1.538	99.48	1.005	0.05	0.622	0.962
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Full power	11	2462	1	19.94	21.50	1.432	99.48	1.005	0.03	0.815	1.173
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)	Headset	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.02	0.744	1.086
	WLAN2.4GHz	802.11g 6Mbps	Back	5mm	Ant 3+5(5)		Full power	1	2412	1	18.06	20.00	1.563	96.97	1.031	0.06	0.566	0.912
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+5(5)		Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.01	0.126	0.183
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+5(5)		Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	-0.09	0.265	0.385
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.06	0.067	0.098
	WLAN2.4GHz	802.11b 1Mbps	Back	23mm	Ant 3+5(5)		Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.09	0.056	0.082
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 5		Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.01	0.043	0.064
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 5		Simultaneous	1	2412	1	11.32	13.00	1.472	99.48	1.005	0.04	0.091	0.135
74	Bluetooth	1Mbps	Front	5mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.05	0.255	0.316
	Bluetooth	1Mbps	Back	5mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.01	0.267	0.331
	Bluetooth	1Mbps	Back	5mm	Ant 3		Full power	39	2441	2	16.93	17.50	1.140	76.66	1.087	0.06	0.234	0.290
	Bluetooth	1Mbps	Front	5mm	Ant 3		Simultaneous	39	2441	1	13.40	14.50	1.288	76.66	1.087	0.01	0.090	0.126
	Bluetooth	1Mbps	Back	5mm	Ant 3		Simultaneous	39	2441	1	13.40	14.50	1.288	76.66	1.087	0.01	0.096	0.134
	Bluetooth	1Mbps	Front	5mm	Ant 3		Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.01	0.004	0.006
	Bluetooth	1Mbps	Back	5mm	Ant 3		Simultaneous For WLAN 2.4G	39	2441	1	6.19	7.50	1.352	76.66	1.087	0.01	0.006	0.009
	Bluetooth	1Mbps	Front	15mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.06	0.030	0.037
	Bluetooth	1Mbps	Back	23mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.02	0.042	0.052
	Bluetooth	1Mbps	Front	5mm	Ant 3		Full power	39	2441	1	16.93	17.50	1.140	76.66	1.087	0.06	0.030	0.037
75	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 7+8(8)		Standalone	54	5270	1	14.75	16.50	1.495	88.81	1.126	0.06	0.298	0.502
WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)		Standalone	54	5270	1	14.75	16.50	1.495	88.81	1.126	0.01	0.711	1.197	
WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)		Standalone	54	5270	2	14.75	16.50	1.495	88.81	1.126	0.06	0.638	1.074	
WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(8)		Standalone	62	5310	1	14.69	16.50	1.517	88.81	1.126	0.03	0.697	1.191	
WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)		Simultaneous	58	5290	1	9.52	11.00	1.407	93.35	1.071	0.02	0.099	0.149	
WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)		Simultaneous	58	5290	1	9.52	11.00	1.407	93.35	1.071	0.03	0.237	0.357	
WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)		Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.06	0.052	0.087	
WLAN5.3GHz	802.11n-HT40 MCS0	Back	23mm	Ant 7+8(8)		Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.03	0.052	0.087	
76	WLAN5.5GHz	802.11n-HT40 MCS0	Front	5mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.192	0.325
WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.653	1.105	
WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(7)		Full power	110	5550	2	16.73	18.50	1.503	88.81	1.126	0.02	0.505	0.855	
WLAN5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7+8(7)		Full power	102	5510	1	16.70	18.50	1.514	88.81	1.126	0.03	0.609	1.038	
WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)		Simultaneous	106	5530	1	13.30	15.00	1.480	93.35	1.071	0.04	0.066	0.105	
WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)		Simultaneous	106	5530	1	13.30	15.00	1.480	93.35	1.071	0.05	0.223	0.353	
WLAN5.5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.026	0.044	
WLAN5.5GHz	802.11n-HT40 MCS0	Back	23mm	Ant 7+8(7)		Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.028	0.047	
77	WLAN5.8GHz	802.11a 6Mbps	Front	5mm	Ant 7+8(8)		Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.03	0.347	0.545
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Ant 7+8(8)		Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.01	0.742	1.166
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Ant 7+8(8)		Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.06	0.752	1.195
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Ant 7+8(8)		Full power	149	5745	2	17.12	19.00	1.542	96.97	1.031	0.03	0.638	1.014
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7+8(7)		Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.03	0.096	0.148
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7+8(7)		Simultaneous	155	5775	1	12.92	14.50	1.439	93.35	1.071	0.02	0.216	0.333
	WLAN5.8GHz	802.11a 6Mbps	Front	15mm	Ant 7+8(8)		Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.03	0.022	0.035
	WLAN5.8GHz	802.11a 6Mbps	Back	23mm	Ant 7+8(8)		Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.06	0.033	0.052
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Ant 7+8(8)		Full power	157	5785	1	17.17	19.00	1.524	96.97	1.031	0.03	0.022	0.035
	WLAN5.8GHz	802.11a 6Mbps	Back	23mm	Ant 7+8(8)		Full power	149	5745	1	17.12	19.00	1.542	96.97	1.031	0.06	0.033	0.052



16.4 Product specific 10g SAR

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB Offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), Sample, 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). Rows include LTE Band 12, GSM850, LTE Band 26, WCDMA IV, and LTE Band 66 configurations.



	LTE Band 66	20M	QPSK	1	0		Front	7mm	Ant 0	ECI 4	132572	1770	1	22.84	24.00	1.306		1.000	0.06	1.720	2.247
	LTE Band 66	20M	QPSK	1	0		Back	12mm	Ant 0	ECI 4	132572	1770	1	22.84	24.00	1.306		1.000	0.02	0.918	1.199
	LTE Band 66	20M	QPSK	1	0		Bottom Side	21mm	Ant 0	ECI 4	132572	1770	1	22.84	24.00	1.306		1.000	0.01	0.660	0.862
	LTE Band 66_Other PA	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	132572	1770	1	20.36	21.60	1.330		1.000	0.08	2.310	3.073
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	1	19.97	21.40	1.390		1.000	0.03	1.940	2.697
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	1	19.85	21.40	1.429		1.000	0.09	1.960	2.801
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	1	19.87	21.40	1.422		1.000	0.03	1.850	2.631
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	1	19.97	21.40	1.390		1.000	0.01	2.200	3.058
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	1	19.85	21.40	1.429		1.000	0.03	2.050	2.929
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	1	19.87	21.40	1.422		1.000	0.03	1.920	2.731
83	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	1	19.97	21.40	1.390		1.000	-0.02	2.290	3.183
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	1	19.85	21.40	1.429		1.000	-0.03	2.220	3.172
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	1	19.87	21.40	1.422		1.000	0.03	2.150	3.058
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	7mm	Ant 0	ECI 4	349000	1745	1	23.23	24.00	1.194		1.000	0.09	1.600	1.910
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 0	ECI 4	349000	1745	1	23.25	24.00	1.189		1.000	0.01	0.869	1.033
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	21mm	Ant 0	ECI 4	349000	1745	1	23.25	24.00	1.189		1.000	-0.02	0.570	0.677
	WCDMA IV					RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	1413	1732.6	1	20.07	21.10	1.268		1.000	0.03	0.911	1.155
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1413	1732.6	1	20.07	21.10	1.268		1.000	0.02	1.890	2.396
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1312	1712.4	1	19.99	21.10	1.291		1.000	0.01	1.770	2.285
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1513	1752.6	1	20.00	21.10	1.288		1.000	0.03	1.770	2.280
	WCDMA IV					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	1413	1732.6	1	20.07	21.10	1.268		1.000	-0.02	1.930	2.447
	WCDMA IV					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	1312	1712.4	1	19.99	21.10	1.291		1.000	0.01	1.850	2.389
	WCDMA IV					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	1513	1752.6	1	20.00	21.10	1.288		1.000	0.02	1.830	2.357
	WCDMA IV					RMC 12.2Kbps	Front	8mm	Ant 1	ECI 4	1413	1732.6	1	24.12	25.00	1.225		1.000	0.03	0.801	0.981
	WCDMA IV					RMC 12.2Kbps	Back	18mm	Ant 1	ECI 4	1413	1732.6	1	24.12	25.00	1.225		1.000	0.02	0.361	0.442
	WCDMA IV					RMC 12.2Kbps	Top Side	14mm	Ant 1	ECI 4	1413	1732.6	1	24.12	25.00	1.225		1.000	-0.02	0.505	0.618
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 1	ECI 6	132322	1745	1	19.95	20.90	1.245		1.000	0.09	1.310	1.630
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.01	1.250	1.566
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	132322	1745	1	19.95	20.90	1.245		1.000	0.01	1.890	2.352
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	132072	1720	1	19.86	20.90	1.271		1.000	0.06	1.910	2.427
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	132572	1770	1	19.81	20.90	1.285		1.000	0.09	1.860	2.391
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.01	1.760	2.206
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	132072	1720	1	19.74	20.90	1.306		1.000	0.06	1.790	2.338
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	132572	1770	1	19.80	20.90	1.288		1.000	0.01	1.780	2.293
	LTE Band 66	20M	QPSK	100	0		Back	0mm	Ant 1	ECI 6	132322	1745	1	19.86	20.90	1.271		1.000	0.02	1.720	2.185
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.95	20.90	1.245		1.000	-0.01	1.990	2.477
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	2	19.95	20.90	1.245		1.000	0.02	1.780	2.215
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132072	1720	1	19.86	20.90	1.271		1.000	0.01	1.830	2.325
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132572	1770	1	19.81	20.90	1.285		1.000	0.03	1.810	2.326
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.01	1.790	2.243
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	132072	1720	1	19.74	20.90	1.306		1.000	0.03	1.810	2.364
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	132572	1770	1	19.80	20.90	1.288		1.000	0.06	1.730	2.229
	LTE Band 66	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.86	20.90	1.271		1.000	0.01	1.780	2.262
	LTE 66C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	132322+132520	1745+1764.8	1	19.64	20.90	1.337		1.000	0.08	1.710	2.286
	LTE 66B	15M	QPSK	1	74		Top Side	0mm	Ant 1	ECI 6	132322+132415	1745+1754.3	1	19.70	20.90	1.318		1.000	0.01	1.730	2.281
	LTE Band 66	20M	QPSK	1	0		Front	8mm	Ant 1	ECI 4	132322	1745	1	22.93	24.00	1.279		1.000	0.09	0.990	1.267
	LTE Band 66	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	132072	1720	1	22.89	24.00	1.291		1.000	0.06	0.398	0.514
	LTE Band 66	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	132322	1745	1	22.93	24.00	1.279		1.000	-0.01	0.497	0.636
	LTE Band 66_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	132322	1745	1	19.92	20.90	1.253		1.000	0.05	1.830	2.293
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	349000	1745	1	19.08	20.00	1.236		1.000	0.09	1.090	1.347
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	349000	1745	1	19.01	20.00	1.256		1.000	0.01	1.100	1.382
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	349000	1745	1	19.08	20.00	1.236		1.000	0.01	1.870	2.311
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	349000	1745	1	19.01	20.00	1.256		1.000	0.02	1.860	2.336
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	349000	1745	1	18.96	20.00	1.271		1.000	0.09	1.660	2.109
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	1	19.08	20.00	1.236		1.000	0.01	1.910	2.361
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	1	19.01	20.00	1.256		1.000	0.06	1.960	2.462
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	1	18.96	20.00	1.271		1.000	0.01	1.880	2.389
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	8mm	Ant 1	ECI 4	349000	1745	1	23.13	24.00	1.222		1.000	0.01	0.824	1.007



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	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	18mm	Ant 1	ECI 4	349000	1745	1	23.13	24.00	1.222		1.000	0.02	0.302	0.369
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	14mm	Ant 1	ECI 4	349000	1745	1	23.13	24.00	1.222		1.000	0.06	0.470	0.574
1900MHz																					
	GSM1900					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	661	1880	1	21.48	23.00	1.419		1.000	0.15	1.780	2.526
	GSM1900					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	512	1850.2	1	21.35	23.00	1.462		1.000	0.13	1.810	2.647
	GSM1900					GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	810	1909.8	1	21.44	23.00	1.432		1.000	0.09	1.730	2.478
	GSM1900					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	661	1880	1	21.48	23.00	1.419		1.000	0.03	1.930	2.739
	GSM1900					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	512	1850.2	1	21.35	23.00	1.462		1.000	0.14	1.820	2.661
	GSM1900					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	810	1909.8	1	21.44	23.00	1.432		1.000	0.05	1.870	2.678
84	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	661	1880	1	21.48	23.00	1.419		1.000	0.03	2.420	3.434
	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	661	1880	2	21.48	23.00	1.419		1.000	0.02	2.300	3.264
	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	512	1850.2	1	21.35	23.00	1.462		1.000	0.09	2.270	3.319
	GSM1900					GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	810	1909.8	1	21.44	23.00	1.432		1.000	0.04	2.310	3.308
	GSM1900					GPRS (4 Tx slots)	Front	7mm	Ant 0	ECI 4	512	1850.2	1	25.83	26.50	1.167		1.000	0.13	0.935	1.091
	GSM1900					GPRS (4 Tx slots)	Back	12mm	Ant 0	ECI 4	661	1880	1	25.89	26.50	1.151		1.000	0.05	0.479	0.551
	GSM1900					GPRS (4 Tx slots)	Bottom Side	21mm	Ant 0	ECI 4	661	1880	1	25.89	26.50	1.151		1.000	0.03	0.403	0.464
	WCDMA II					RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9400	1880	1	18.57	19.50	1.239		1.000	0.06	1.310	1.623
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9400	1880	1	18.57	19.50	1.239		1.000	0.15	1.510	1.871
85	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9400	1880	1	18.57	19.50	1.239		1.000	0.02	2.590	3.208
	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9262	1852.4	1	18.53	19.50	1.250		1.000	0.09	2.490	3.113
	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9538	1907.6	1	18.48	19.50	1.265		1.000	0.13	2.450	3.099
	WCDMA II					RMC 12.2Kbps	Front	7mm	Ant 0	ECI 4	9400	1880	1	23.23	24.00	1.194		1.000	0.06	1.030	1.230
	WCDMA II					RMC 12.2Kbps	Back	12mm	Ant 0	ECI 4	9400	1880	1	23.23	24.00	1.194		1.000	0.15	0.507	0.605
	WCDMA II					RMC 12.2Kbps	Bottom Side	21mm	Ant 0	ECI 4	9400	1880	1	23.23	24.00	1.194		1.000	0.02	0.423	0.505
	LTE Band 2	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	18900	1880	1	17.99	19.10	1.291		1.000	-0.15	1.300	1.679
	LTE Band 2	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	18900	1880	1	17.94	19.10	1.306		1.000	0.12	1.240	1.620
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	18900	1880	1	17.99	19.10	1.291		1.000	-0.05	1.720	2.221
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	18700	1860	1	17.96	19.10	1.300		1.000	-0.02	1.610	2.093
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	19100	1900	1	17.88	19.10	1.324		1.000	0.07	1.730	2.291
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	18900	1880	1	17.94	19.10	1.306		1.000	0.07	1.690	2.207
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	18700	1860	1	17.86	19.10	1.330		1.000	-0.03	1.670	2.222
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	19100	1900	1	17.91	19.10	1.315		1.000	0.05	1.700	2.236
	LTE Band 2	20M	QPSK	100	0		Back	0mm	Ant 0	ECI 6	18900	1880	1	17.89	19.10	1.321		1.000	0.11	1.610	2.127
86	LTE Band 2	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	18900	1880	1	17.99	19.10	1.291		1.000	-0.01	2.450	3.163
	LTE Band 2	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	18700	1860	1	17.96	19.10	1.300		1.000	0.16	2.210	2.873
	LTE Band 2	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	19100	1900	1	17.88	19.10	1.324		1.000	-0.03	2.380	3.152
	LTE Band 2	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	18900	1880	1	17.94	19.10	1.306		1.000	-0.09	2.190	2.861
	LTE Band 2	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	18700	1860	1	17.86	19.10	1.330		1.000	-0.18	2.160	2.874
	LTE Band 2	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	19100	1900	1	17.91	19.10	1.315		1.000	-0.09	2.070	2.723
	LTE Band 2	20M	QPSK	100	0		Bottom Side	0mm	Ant 0	ECI 6	18900	1880	1	17.89	19.10	1.321		1.000	0.02	2.090	2.762
	LTE Band 2	20M	QPSK	1	0		Front	7mm	Ant 0	ECI 4	18900	1880	1	22.56	24.00	1.393		1.000	-0.15	0.956	1.332
	LTE Band 2	20M	QPSK	1	0		Back	12mm	Ant 0	ECI 4	19100	1900	1	22.47	24.00	1.422		1.000	0.07	0.408	0.580
	LTE Band 2	20M	QPSK	1	0		Bottom Side	21mm	Ant 0	ECI 4	18900	1880	1	22.56	24.00	1.393		1.000	-0.01	0.475	0.662
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376000	1880	1	20.63	21.70	1.279		1.000	-0.08	1.110	1.420
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376000	1880	1	20.55	21.70	1.303		1.000	0.12	1.180	1.538
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376000	1880	1	20.63	21.70	1.279		1.000	0.18	1.610	2.060
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376000	1880	1	20.55	21.70	1.303		1.000	-0.05	1.580	2.059
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376000	1880	1	20.49	21.70	1.321		1.000	-0.01	1.510	1.995
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376000	1880	1	20.63	21.70	1.279		1.000	-0.11	2.400	3.071
87	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376000	1880	1	20.55	21.70	1.303		1.000	0.03	2.450	3.193
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376000	1880	1	20.49	21.70	1.321		1.000	0.04	2.290	3.026
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	7mm	Ant 0	ECI 4	376000	1880	1	22.57	23.50	1.239		1.000	0.12	0.932	1.155
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	12mm	Ant 0	ECI 4	376000	1880	1	22.64	23.50	1.219		1.000	0.18	0.368	0.449
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	21mm	Ant 0	ECI 4	376000	1880	1	22.57	23.50	1.239		1.000	0.03	0.439	0.544
	WCDMA II					RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	9400	1880	1	18.79	20.00	1.321		1.000	0.06	1.020	1.348
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9400	1880	1	18.79	20.00	1.321		1.000	0.16	1.650	2.180
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9262	1852.4	1	18.74	20.00	1.337		1.000	0.01	1.630	2.179
	WCDMA II					RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	9538	1907.6	1	18.71	20.00	1.346		1.000	0.02	1.530	2.059



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	WCDMA II					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	9400	1880	1	18.79	20.00	1.321	1.000	0.03	1.850	2.444	
	WCDMA II					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	9262	1852.4	1	18.74	20.00	1.337	1.000	-0.07	1.710	2.286	
	WCDMA II					RMC 12.2Kbps	Top Side	0mm	Ant 1	ECI 6	9538	1907.6	1	18.71	20.00	1.346	1.000	0.08	1.720	2.315	
	WCDMA II					RMC 12.2Kbps	Front	8mm	Ant 1	ECI 4	9400	1880	1	23.68	24.50	1.208	1.000	0.06	0.990	1.196	
	WCDMA II					RMC 12.2Kbps	Back	18mm	Ant 1	ECI 4	9262	1852.4	1	23.45	24.50	1.274	1.000	0.01	0.367	0.467	
	WCDMA II					RMC 12.2Kbps	Top Side	14mm	Ant 1	ECI 4	9400	1880	1	23.68	24.50	1.208	1.000	0.03	0.729	0.880	
	LTE Band 2	20M	QPSK	1	0		Front	0mm	Ant 1	ECI 6	18900	1880	1	20.07	21.40	1.358	1.000	0.03	0.959	1.303	
	LTE Band 2	20M	QPSK	50	0		Front	0mm	Ant 1	ECI 6	18900	1880	1	19.99	21.40	1.384	1.000	0.02	0.938	1.298	
	LTE Band 2	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	18900	1880	1	20.07	21.40	1.358	1.000	0.1	0.796	1.081	
	LTE Band 2	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	18900	1880	1	19.99	21.40	1.384	1.000	0.08	0.698	0.966	
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	1	20.07	21.40	1.358	1.000	0.01	1.830	2.486	
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	2	20.07	21.40	1.358	1.000	0.02	1.620	2.200	
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	18700	1860	1	20.03	21.40	1.371	1.000	-0.13	1.740	2.385	
	LTE Band 2	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	19100	1900	1	19.95	21.40	1.396	1.000	0.08	1.770	2.472	
	LTE Band 2	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	1	19.99	21.40	1.384	1.000	-0.03	1.780	2.463	
	LTE Band 2	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	18700	1860	1	19.95	21.40	1.396	1.000	0.06	1.690	2.360	
	LTE Band 2	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	19100	1900	1	19.93	21.40	1.403	1.000	0.04	1.690	2.371	
	LTE Band 2	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	18900	1880	1	19.89	21.40	1.416	1.000	-0.13	1.720	2.435	
	LTE Band 2	20M	QPSK	1	0		Front	8mm	Ant 1	ECI 4	18900	1880	1	21.89	23.00	1.291	1.000	0.03	0.883	1.140	
	LTE Band 2	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	18900	1880	1	21.89	23.00	1.291	1.000	0.1	0.319	0.412	
	LTE Band 2	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	18900	1880	1	21.89	23.00	1.291	1.000	0.01	0.611	0.789	
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	20.12	21.40	1.343	1.000	0.05	1.030	1.383	
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	20.07	21.40	1.358	1.000	-0.13	1.040	1.413	
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	20.12	21.40	1.343	1.000	0.16	1.750	2.350	
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	20.07	21.40	1.358	1.000	-0.14	1.770	2.404	
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	19.93	21.40	1.403	1.000	0.02	1.610	2.259	
	FR1 n2	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376000	1880	1	20.12	21.40	1.343	1.000	0.11	1.760	2.363	
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376000	1880	1	20.07	21.40	1.358	1.000	0.02	1.820	2.472	
	FR1 n2	50M	QPSK	270	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376000	1880	1	19.93	21.40	1.403	1.000	0.08	1.730	2.427	
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Front	8mm	Ant 1	ECI 4	376000	1880	1	21.60	23.00	1.380	1.000	-0.13	0.761	1.050	
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Back	18mm	Ant 1	ECI 4	376000	1880	1	21.60	23.00	1.380	1.000	-0.14	0.259	0.358	
	FR1 n2	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	14mm	Ant 1	ECI 4	376000	1880	1	21.60	23.00	1.380	1.000	0.02	0.524	0.723	
2600MHz																					
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	21100	2535	1	22.48	23.50	1.265	1.000	0.14	1.810	2.289	
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	20850	2510	1	22.37	23.50	1.297	1.000	0.03	1.760	2.283	
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 0	ECI 6	21350	2560	1	22.47	23.50	1.268	1.000	0.08	1.710	2.168	
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	21100	2535	1	22.43	23.00	1.140	1.000	0.05	1.790	2.041	
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	20850	2510	1	22.32	23.00	1.169	1.000	0.01	1.730	2.023	
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 0	ECI 6	21350	2560	1	22.30	23.00	1.175	1.000	-0.09	1.690	1.986	
	LTE Band 7	20M	QPSK	100	0		Front	0mm	Ant 0	ECI 6	21100	2535	1	22.41	23.00	1.146	1.000	0.07	1.740	1.993	
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	21100	2535	1	22.48	23.50	1.265	1.000	-0.14	2.210	2.795	
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	20850	2510	1	22.37	23.50	1.297	1.000	0.12	2.220	2.880	
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	21350	2560	1	22.47	23.50	1.268	1.000	0.05	2.130	2.700	
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	21100	2535	1	22.43	23.00	1.140	1.000	0.14	2.080	2.372	
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	20850	2510	1	22.32	23.00	1.169	1.000	-0.12	2.030	2.374	
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 0	ECI 6	21350	2560	1	22.30	23.00	1.175	1.000	-0.09	1.980	2.326	
	LTE Band 7	20M	QPSK	100	0		Back	0mm	Ant 0	ECI 6	21100	2535	1	22.41	23.00	1.146	1.000	-0.01	1.960	2.245	
88	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	1	22.48	23.50	1.265	1.000	-0.01	2.500	3.162	
	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	2	22.48	23.50	1.265	1.000	0.02	2.340	2.959	
	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	20850	2510	1	22.37	23.50	1.297	1.000	-0.19	2.420	3.139	
	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21350	2560	1	22.47	23.50	1.268	1.000	0.03	2.290	2.903	
	LTE Band 7	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	1	22.43	23.00	1.140	1.000	0.17	2.370	2.702	
	LTE Band 7	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	20850	2510	1	22.32	23.00	1.169	1.000	0.16	2.290	2.678	
	LTE Band 7	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	ECI 6	21350	2560	1	22.30	23.00	1.175	1.000	0.04	2.180	2.561	
	LTE Band 7	20M	QPSK	100	0		Bottom Side	0mm	Ant 0	ECI 6	21100	2535	1	22.41	23.00	1.146	1.000	0.14	2.210	2.532	
	LTE 7C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	21100+21298	2535+2554.8	1	22.01	23.50	1.409	1.000	-0.01	2.180	3.072	
	LTE 7C	20M	QPSK	1	99		Bottom Side	0mm	Ant 0	ECI 6	20850+21048	2510+2529.8	1	21.80	23.50	1.479	1.000	0.03	2.010	2.973	
	LTE 7C	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECI 6	21350+21152	2560+2540.2	1	21.90	23.50	1.445	1.000	-0.02	2.060	2.978	
	LTE Band 7	20M	QPSK	1	0		Front	7mm	Ant 0	ECI 4	21100	2535	1	23.18	24.00	1.208	1.000	0.14	1.510	1.824	



FCC SAR Test Report

Report No. : FA361225

Table with columns for Band, Modulation, Power, Frequency, Location, Distance, and SAR values. Includes rows for LTE Bands 7, 38, 41 and FR1 bands n7, n38, n41.



FCC SAR Test Report

Report No. : FA361225

	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	1	22.95	24.00	1.274		1.000	-0.12	1.930	2.458
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	1	21.99	23.00	1.262		1.000	0.08	1.850	2.334
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	1	23.25	24.00	1.189		1.000	0.05	2.470	2.936
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	1	22.95	24.00	1.274		1.000	0.02	2.150	2.738
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	1	21.99	23.00	1.262		1.000	0.15	1.970	2.486
91	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	1	23.25	24.00	1.189		1.000	-0.01	2.490	2.959
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	1	22.95	24.00	1.274		1.000	-0.05	2.310	2.942
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	1	21.99	23.00	1.262		1.000	0.18	2.130	2.688
	LTE Band 7	20M	QPSK	1	0		Front	0mm	Ant 1	ECI 6	21100	2535	1	18.55	19.70	1.303		1.000	0.16	0.859	1.119
	LTE Band 7	20M	QPSK	50	0		Front	0mm	Ant 1	ECI 6	21100	2535	1	18.51	19.70	1.315		1.000	0.08	0.825	1.085
	LTE Band 7	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	21100	2535	1	18.55	19.70	1.303		1.000	0.02	1.140	1.486
	LTE Band 7	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	21100	2535	1	18.51	19.70	1.315		1.000	0.02	1.080	1.420
	LTE Band 7	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	21100	2535	1	18.55	19.70	1.303		1.000	-0.15	1.810	2.359
	LTE Band 7	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	20850	2510	1	18.46	19.70	1.330		1.000	0.07	1.850	2.461
	LTE Band 7	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	21350	2560	1	18.39	19.70	1.352		1.000	0.01	1.730	2.339
	LTE Band 7	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	21100	2535	1	18.51	19.70	1.315		1.000	0.04	1.760	2.315
	LTE Band 7	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	20850	2510	1	18.45	19.70	1.334		1.000	0.04	1.750	2.334
	LTE Band 7	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	21350	2560	1	18.40	19.70	1.349		1.000	0.06	1.720	2.320
	LTE Band 7	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	21100	2535	1	18.45	19.70	1.334		1.000	-0.12	1.700	2.267
	LTE 7C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	20850+21048	2510+2529.8	1	18.18	19.70	1.419		1.000	0.07	1.700	2.412
	LTE Band 7	20M	QPSK	1	0		Front	8mm	Ant 1	ECI 4	21100	2535	1	22.74	24.00	1.337		1.000	0.16	0.697	0.932
	LTE Band 7	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	21100	2535	1	22.74	24.00	1.337		1.000	0.02	0.200	0.267
	LTE Band 7	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	20850	2510	1	22.59	24.00	1.384		1.000	0.07	0.235	0.325
	LTE Band 7_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	20850	2510	1	18.04	19.70	1.466		1.000	0.09	1.530	2.242
	LTE Band 38	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	38000	2595	1	20.96	22.20	1.330	62.9	1.006	-0.15	1.330	1.780
	LTE Band 38	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	38000	2595	1	20.92	22.20	1.343	62.9	1.006	0.05	1.270	1.716
92	LTE Band 38	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	20.96	22.20	1.330	62.9	1.006	0.04	1.870	2.503
	LTE Band 38	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	37850	2580	1	20.92	22.20	1.343	62.9	1.006	0.07	1.810	2.445
	LTE Band 38	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	38150	2610	1	20.87	22.20	1.358	62.9	1.006	0.07	1.800	2.460
	LTE Band 38	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	20.92	22.20	1.343	62.9	1.006	0.05	1.760	2.377
	LTE Band 38	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	37850	2580	1	20.90	22.20	1.349	62.9	1.006	0.03	1.670	2.266
	LTE Band 38	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	38150	2610	1	20.88	22.20	1.355	62.9	1.006	0.14	1.680	2.290
	LTE Band 38	20M	QPSK	100	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	20.86	22.20	1.361	62.9	1.006	0.06	1.660	2.274
	LTE 38C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	37901+38099	2585.1+2604.9	1	20.71	22.20	1.409	62.9	1.006	0.03	1.710	2.424
	LTE Band 38	20M	QPSK	1	0		Back	18mm	Ant 1	ECI 4	38000	2595	1	22.78	24.00	1.324	62.9	1.006	-0.15	0.113	0.151
	LTE Band 38	20M	QPSK	1	0		Top Side	14mm	Ant 1	ECI 4	38000	2595	1	22.78	24.00	1.324	62.9	1.006	0.04	0.115	0.153
	LTE Band 38_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	38000	2595	1	18.84	20.00	1.306	100	1.000	0.05	1.710	2.234
	LTE Band 41	20M	QPSK	1	0		Back	0mm	Ant 1	ECI 6	40620	2593	1	21.86	23.00	1.300	62.9	1.006	-0.07	1.060	1.386
	LTE Band 41	20M	QPSK	50	0		Back	0mm	Ant 1	ECI 6	40620	2593	1	20.87	22.00	1.297	62.9	1.006	0.1	0.841	1.097
	LTE Band 41	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	21.86	23.00	1.300	62.9	1.006	0.06	1.460	1.910
	LTE Band 41	20M	QPSK	50	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	20.87	22.00	1.297	62.9	1.006	0.1	1.140	1.488
93	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	24.78	26.00	1.324	42.9	1.009	0.07	1.900	2.539
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	39750	2506	1	24.62	26.00	1.374	42.9	1.009	0.07	1.800	2.496
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40185	2549.5	1	24.39	26.00	1.449	42.9	1.009	0.07	1.690	2.470
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	41055	2636.5	1	24.37	26.00	1.455	42.9	1.009	0.07	1.650	2.423
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	41490	2680	1	24.76	26.00	1.330	42.9	1.009	0.07	1.890	2.537
	LTE Band 41 HPUE	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	2	24.78	26.00	1.324	42.9	1.009	0.03	1.810	2.419
	LTE 41C	20M	QPSK	1	99		Top Side	0mm	Ant 1	ECI 6	40620+40818	2593+2612.8	1	21.85	23.00	1.303	62.9	1.006	-0.09	1.390	1.822
	LTE Band 41_Other PA	20M	QPSK	1	0		Top Side	0mm	Ant 1	ECI 6	40620	2593	1	21.50	22.50	1.259	100	1.000	0.06	1.730	2.178
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	507000	2535	1	18.59	19.50	1.233		1.000	0.09	0.975	1.202
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	507000	2535	1	18.51	19.50	1.256		1.000	-0.09	0.993	1.247
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	1	18.59	19.50	1.233		1.000	0.06	1.420	1.751
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	1	18.51	19.50	1.256		1.000	0.03	1.510	1.897
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	1	18.59	19.50	1.233		1.000	0.05	1.900	2.343
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	1	18.51	19.50	1.256		1.000	0.01	1.940	2.437
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	1	18.50	19.50	1.259		1.000	0.03	1.880	2.367
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	8mm	Ant 1	ECI 4	507000	2535	1	23.14	24.00	1.219		1.000	-0.09	0.798	0.973
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	18mm	Ant 1	ECI 4	507000	2535	1	23.14	24.00	1.219		1.000	0.0		



FCC SAR Test Report

Report No. : FA361225

Table with columns for device model (FR1 n7, FR1 n38, FR1 n41), frequency, modulation, power, distance, antenna type, and SAR values. Includes a section for 3500-3900MHz with LTE bands.



FCC SAR Test Report

Report No. : FA361225

LTE 42C	20M	QPSK	1	99		Left Side	0mm	Ant 4	ECI 6	42590+42788	3500+3519.8	1	20.98	22.40	1.387	62.9	1.006	-0.04	1.710	2.386
LTE Band 42	20M	QPSK	1	0		Front	8mm	Ant 4	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	0.13	0.113	0.137
LTE Band 42	20M	QPSK	1	0		Back	18mm	Ant 4	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	0.19	0.052	0.063
LTE Band 42	20M	QPSK	1	0		Left Side	10mm	Ant 4	ECI 4	42590	3500	1	23.20	24.00	1.202	62.9	1.006	-0.04	0.166	0.201
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	0.08	0.421	0.512
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	-0.17	0.450	0.556
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	-0.1	1.530	1.861
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	0.03	1.480	1.829
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	0.04	1.950	2.372
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	-0.05	2.000	2.472
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	2	17.28	18.20	1.236		1.000	0.02	1.900	2.348
FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	1	17.30	18.20	1.230		1.000	0.12	1.920	2.362
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECI 6	656000	3840	1	17.35	18.20	1.216		1.000	0.05	0.175	0.213
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECI 6	656000	3840	1	17.28	18.20	1.236		1.000	0.08	0.199	0.246
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	8mm	Ant 4	ECI 4	656000	3840	1	26.26	27.00	1.186		1.000	-0.04	0.178	0.211
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	18mm	Ant 4	ECI 4	656000	3840	1	26.31	27.00	1.172		1.000	0.15	0.074	0.087
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4	ECI 4	656000	3840	1	26.26	27.00	1.186		1.000	0.03	0.186	0.221
LTE Band 42	20M	QPSK	1	0		Back	0mm	Ant 7	ECI 6	42590	3500	1	19.62	20.80	1.312	62.9	1.006	0.08	0.709	0.936
LTE Band 42	20M	QPSK	50	0		Back	0mm	Ant 7	ECI 6	42590	3500	1	19.55	20.80	1.334	62.9	1.006	-0.05	0.703	0.943
LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42590	3500	1	19.62	20.80	1.312	62.9	1.006	-0.17	1.780	2.350
LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42190	3460	1	19.55	20.80	1.334	62.9	1.006	0.1	1.800	2.415
LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42990	3540	1	19.59	20.80	1.321	62.9	1.006	-0.1	1.860	2.472
LTE Band 42	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42990	3540	2	19.59	20.80	1.321	62.9	1.006	0.03	1.760	2.339
LTE Band 42	20M	QPSK	50	0		Top Side	0mm	Ant 7	ECI 6	42590	3500	1	19.55	20.80	1.334	62.9	1.006	-0.19	1.770	2.374
LTE Band 42	20M	QPSK	50	0		Top Side	0mm	Ant 7	ECI 6	42190	3460	1	19.34	20.80	1.400	62.9	1.006	0.08	1.730	2.436
LTE Band 42	20M	QPSK	50	0		Top Side	0mm	Ant 7	ECI 6	42990	3540	1	19.46	20.80	1.361	62.9	1.006	0.05	1.730	2.369
LTE Band 42	20M	QPSK	100	0		Top Side	0mm	Ant 7	ECI 6	42590	3500	1	19.48	20.80	1.355	62.9	1.006	-0.13	1.710	2.331
LTE 42C	20M	QPSK	1	0		Top Side	0mm	Ant 7	ECI 6	42990+42792	3540+3520.2	1	19.22	20.80	1.439	62.9	1.006	-0.19	1.680	2.432
LTE Band 42	20M	QPSK	1	0		Back	11mm	Ant 7	ECI 4	42590	3500	1	23.28	24.00	1.180	62.9	1.006	0.08	0.715	0.849
LTE Band 42	20M	QPSK	1	0		Top Side	13mm	Ant 7	ECI 4	42990	3540	1	23.04	24.00	1.247	62.9	1.006	-0.1	0.451	0.566
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 7	ECI 6	656000	3840	1	18.97	20.10	1.297		1.000	0.05	1.280	1.660
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 7	ECI 6	656000	3840	1	18.95	20.10	1.303		1.000	0.03	1.300	1.694
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	656000	3840	1	18.97	20.10	1.297		1.000	-0.11	1.310	1.699
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	656000	3840	1	18.95	20.10	1.303		1.000	0.05	1.380	1.798
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	1	18.97	20.10	1.297		1.000	-0.04	1.820	2.361
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	1	18.95	20.10	1.303		1.000	-0.06	1.880	2.450
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	2	18.95	20.10	1.303		1.000	0.01	1.700	2.215
FR1 n77 Part270	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	656000	3840	1	18.88	20.10	1.324		1.000	-0.07	1.780	2.357
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	8mm	Ant 7	ECI 4	656000	3840	1	22.88	24.00	1.294		1.000	0.03	0.826	1.069
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	11mm	Ant 7	ECI 4	656000	3840	1	22.88	24.00	1.294		1.000	0.05	0.660	0.854
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	13mm	Ant 7	ECI 4	656000	3840	1	22.88	24.00	1.294		1.000	0.06	0.423	0.547
LTE Band 42	20M	QPSK	1	0		Back	0mm	Ant 8	ECI 6	42590	3500	1	22.21	23.00	1.199	62.9	1.006	0.06	0.234	0.282
LTE Band 42	20M	QPSK	1	0		Back	0mm	Ant 8	ECI 6	42590	3500	2	22.21	23.00	1.199	62.9	1.006	0.02	0.200	0.241
LTE Band 42	20M	QPSK	50	0		Back	0mm	Ant 8	ECI 6	42590	3500	1	21.17	22.00	1.211	62.9	1.006	0.13	0.185	0.225
LTE 42C	20M	QPSK	1	99		Back	0mm	Ant 8	ECI 6	42590+42788	3500+3519.8	1	22.19	23.00	1.205	62.9	1.006	0.02	0.222	0.269
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	656000	3840	1	22.46	23.00	1.132		1.000	-0.11	0.638	0.722
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	656000	3840	1	22.39	23.00	1.151		1.000	0.06	0.724	0.833
FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 8	ECI 6	656000	3840	1	22.46	23.00	1.132		1.000	-0.02	1.190	1.348
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 8	ECI 6	656000	3840	1	22.39	23.00	1.151		1.000	-0.07	1.280	1.473
FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 8	ECI 6	656000	3840	2	22.39	23.00	1.151		1.000	0.03	1.190	1.369



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)	
WIFI/BT																		
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.01	1.140	1.664	
96	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	-0.15	2.350	3.430	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	2	20.38	22.00	1.452	99.48	1.005	0.01	2.130	3.108	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	6	2437	1	19.13	21.00	1.538	99.48	1.005	0.03	1.860	2.875	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	11	2462	1	19.94	21.50	1.432	99.48	1.005	-0.1	2.120	3.051	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.05	0.957	1.397	
	WLAN2.4GHz	802.11g 6Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	1	18.06	20.00	1.563	96.97	1.031	0.11	1.220	1.966	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.09	0.339	0.492	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.02	0.666	0.967	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3+5(5)	Simultaneous	1	2412	1	14.90	16.50	1.445	99.48	1.005	0.01	0.287	0.417	
	WLAN2.4GHz	802.11b 1Mbps	Back	11mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.01	0.197	0.287	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	7mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	-0.15	0.190	0.277	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	13mm	Ant 3+5(5)	Full power	1	2412	1	20.38	22.00	1.452	99.48	1.005	0.05	0.093	0.136	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.05	0.486	0.811	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.01	0.534	0.891	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.03	0.107	0.179	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	-0.02	0.338	0.564	
97	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.01	0.877	1.464	
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(8)	Full power	54	5270	2	17.29	19.00	1.483	88.81	1.126	0.08	0.800	1.335	
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(8)	Simultaneous	54	5270	1	15.80	17.50	1.478	88.81	1.126	-0.04	0.589	0.980	
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	13mm	Ant 7+8(8)	Full power	54	5270	1	17.29	19.00	1.483	88.81	1.126	0.01	0.070	0.117	
	WLAN5.5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.06	0.445	0.753	
98	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	-0.09	0.477	0.807	
	WLAN5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	Full power	110	5550	2	16.73	18.50	1.503	88.81	1.126	-0.1	0.412	0.697	
	WLAN5.5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.01	0.020	0.034	
	WLAN5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	0.03	0.290	0.491	
	WLAN5.5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7+8(7)	Full power	110	5550	1	16.73	18.50	1.503	88.81	1.126	-0.06	0.373	0.631	



16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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	WLAN2.4GHz					802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	-0.01	0.957	1	1.377
2nd	WLAN2.4GHz					802.11b 1Mbps	Left Cheek	0mm	Ant 3+5(5)	Standalone	1	2412	1	16.94	18.50	1.432	99.48	1.005	0.08	0.945	1.013	1.360
1st	LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	ECl 3	23230	782	1	23.44	24.00	1.138		1.000	-0.01	0.947	1	1.077
2nd	LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	ECl 3	23230	782	1	23.44	24.00	1.138		1.000	0.02	0.930	1.018	1.058
1st	LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	ECl 3	26865	831.5	1	23.05	24.00	1.245		1.000	0.01	1.030	1	1.282
2nd	LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	ECl 3	26865	831.5	1	23.05	24.00	1.245		1.000	0.08	0.995	1.035	1.238
1st	LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 0	ECl 3	132322	1745	1	19.08	20.10	1.265		1.000	0.09	1.020	1	1.290
2nd	LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 0	ECl 3	132322	1745	1	19.08	20.10	1.265		1.000	0.07	0.992	1.028	1.255
1st	GSM1900					GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECl 7	661	1880	1	18.97	20.00	1.268		1.000	0.03	1.090	1	1.382
2nd	GSM1900					GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	ECl 7	661	1880	1	18.97	20.00	1.268		1.000	0.04	1.060	1.028	1.344
1st	LTE Band 7	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	ECl 7	21100	2535	1	17.15	18.00	1.216		1.000	0.03	1.060	1	1.289
2nd	LTE Band 7	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	ECl 7	21100	2535	1	17.15	18.00	1.216		1.000	0.05	0.999	1.061	1.215
1st	LTE Band 42	20M	QPSK	1	0		Left Side	5mm	Ant 2	ECl 7	42190	3460	1	22.47	24.00	1.422	62.9	1.006	0.03	0.872	1	1.248
2nd	LTE Band 42	20M	QPSK	1	0		Left Side	5mm	Ant 2	ECl 7	42190	3460	1	22.47	24.00	1.422	62.9	1.006	0.05	0.861	1.013	1.232
1st	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECl 7	656000	3840	1	22.02	23.20	1.312		1.000	-0.09	0.971	1	1.274
2nd	FR1 n77 Part270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECl 7	656000	3840	1	22.02	23.20	1.312		1.000	0.09	0.960	1.011	1.260

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Power Setting	Sample	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	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECl 6	189	836.4		1	28.01	29.00	1.256		1.000	-0.04	2.380	1	2.989
2nd	GSM850					GPRS (4 Tx slots)	Back	0mm	Ant 0	ECl 6	189	836.4		1	28.01	29.00	1.256		1.000	0.05	2.350	1.013	2.952
1st	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECl 6	132572	1770		1	20.58	21.60	1.265		1.000	0.01	2.530	1	3.200
2nd	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECl 6	132572	1770		1	20.58	21.60	1.265		1.000	0.08	2.500	1.012	3.162
1st	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECl 6	9400	1880		1	18.57	19.50	1.239		1.000	0.02	2.590	1	3.208
2nd	WCDMA II					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECl 6	9400	1880		1	18.57	19.50	1.239		1.000	0.06	2.560	1.012	3.171
1st	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECl 6	21100	2535		1	22.48	23.50	1.265		1.000	-0.01	2.500	1	3.162
2nd	LTE Band 7	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	ECl 6	21100	2535		1	22.48	23.50	1.265		1.000	0.09	2.430	1.029	3.073
1st	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 4	656000	3840	245	1	22.53	23.50	1.250		1.000	-0.09	2.430	1	3.038
2nd	FR1 n77 Part270	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 4	656000	3840	245	1	22.53	23.50	1.250		1.000	0.08	2.390	1.017	2.988
1st	WLAN2.4GHz					802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	18.5	1	20.38	22.00	1.452	99.48	1.005	-0.15	2.350	1	3.430
2nd	WLAN2.4GHz					802.11b 1Mbps	Right Side	0mm	Ant 3+5(5)	Full power	1	2412	18.5	1	20.38	22.00	1.452	99.48	1.005	0.03	2.290	1.026	3.342

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
- 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.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

16.6 TDD LTE Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. 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 for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE B41-Linearity Data for Head Ant 0			LTE B41-Linearity Data for Head Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	21.30	22.90
Reported 1g SAR (W/kg)	0.112	0.143	Reported 1g SAR (W/kg)	0.872	0.927
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	85.39	84.43
Linearity SAR (W/kg)	0.153		Linearity SAR (W/kg)	0.862	
% deviation from expected linearity		-6.45%	% deviation from expected linearity		7.52%
LTE B41-Linearity Data for Body-worn Ant 0			LTE B41-Linearity Data for Body-worn Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.10	24.70	Maximum Tune up Power (dBm)	21.60	23.20
Reported 1g SAR (W/kg)	1.220	1.290	Reported 1g SAR (W/kg)	0.911	0.916
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	129.24	127.79	Frame Averaged (mW)	91.50	90.47
Linearity SAR (W/kg)	1.206		Linearity SAR (W/kg)	0.901	
% deviation from expected linearity		6.94%	% deviation from expected linearity		1.69%
LTE B41-Linearity Data for Hotspot Ant 0			LTE B41-Linearity Data for Hotspot Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.10	23.70	Maximum Tune up Power (dBm)	19.10	20.70
Reported 1g SAR (W/kg)	1.210	1.291	Reported 1g SAR (W/kg)	0.626	0.620
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	102.66	101.51	Frame Averaged (mW)	51.45	50.87
Linearity SAR (W/kg)	1.196		Linearity SAR (W/kg)	0.619	
% deviation from expected linearity		7.91%	% deviation from expected linearity		0.17%
LTE B41-Linearity Data for Extremity Ant 0			LTE B41-Linearity Data for Extremity Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	23.00	26.00
Reported 10g SAR (W/kg)	1.176	1.615	Reported 10g SAR (W/kg)	1.910	2.539
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	126.30	172.38
Linearity SAR (W/kg)	1.605		Linearity SAR (W/kg)	2.607	
% deviation from expected linearity		0.62%	% deviation from expected linearity		-2.60%

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 + WLAN6GHz	Yes	Yes	Yes	Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz Ant.5 + Bluetooth	Yes	Yes	Yes	Yes
6.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
7.	WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
8.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
9.	WWAN + WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz Ant.5 + Bluetooth	Yes	Yes	Yes	Yes
11.	WWAN + WLAN2.4GHz +NFC				Yes
12.	WWAN + WLAN5GHz+NFC				Yes
13.	WWAN + WLAN6GHz+NFC				Yes
14.	WWAN + Bluetooth+NFC				Yes
15.	WLAN2.4GHz Ant.5 + Bluetooth+NFC				Yes
16.	WLAN5GHz+ Bluetooth+NFC				Yes
17.	WLAN6GHz+ Bluetooth+NFC				Yes
18.	WWAN + WLAN5GHz+ Bluetooth+NFC				Yes
19.	WWAN + WLAN6GHz+ Bluetooth+NFC				Yes
20.	WWAN + WLAN2.4GHz Ant.5 + Bluetooth+NFC				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.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO and MIMO antenna mode.
- 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, MediaTek TA-SAR algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. TA-SAR algorithm controls the total RF exposure from both 4G and 5G NR to not exceed SAR exposure limit. In this 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). WLAN6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- 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't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 2.4GHz Ant.5 and Bluetooth can transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands. If the co-located analysis within standalone SAR is higher SAR limit (1.6W/kg for 1g SAR, 4.0W/kg for 10g SAR), always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT.
- For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously



transmission.

19. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - v) The SPLSR calculated results please refer to section 17.5.
20. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis was compliance with KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has no include TER analysis requirement according to KDB 987594.

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 MediaTek TA-SAR, 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.

TA-SAR 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 y . Thus, the compliance equation for LTE + 5G NR is

$$\begin{aligned}x * A + y * B + m &\leq 1 \\x + y &= g \leq 1 \\g + m &\leq 1\end{aligned}$$

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., PD exposure for 5G FR2 or SAR exposure for 5G FR1), and $B \leq 1.0$.

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

$$x * A + y * B + m \leq 1.0 \quad (1)$$

$$x * A + y * B \leq x * \max(A, B) + (g-x) * \max(A, B) \leq \max(A, B)$$

$$x * A + (g-x) * B + m \leq \max(A, B) + m \leq 1.0 \quad (2)$$

If $A + m \leq 1.0$ and $B + m \leq 1.0$ can be proven, then " $x * A + y * B + m \leq 1.0$ ". 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

Else, if $A + m > 1.0$ and/or $B + m > 1.0$, then the followings need to hold true for compliance:

- i. A and m are decoupled based on the SPLSR criteria, and
- ii. $y * B + m \leq 1.0$, and
- iii. $x * A + y * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

Above analysis is also apply to LTE inter-band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter-band uplink CA 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

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+7	1+4+6	1+5+6
		WWAN	WLAN2.4GHz Ant 3+5	WLAN2.4GHz Ant 5	WLAN5GHz Ant 7+8	WLAN6GHz Ant 7+8	Bluetooth Ant 3	Bluetooth Ant 3 For Simultaneous	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)
All Bands Ant 0	Right Cheek	0.316	0.190	0.055	0.223	0.214	0.148	0.015	0.51	0.39	0.69	0.68
	Right Tilted	0.273	0.193	0.056	0.240	0.206	0.148	0.015	0.47	0.34	0.66	0.63
	Left Cheek	0.301	0.382	0.107	0.343	0.323	0.148	0.015	0.68	0.42	0.79	0.77
	Left Tilted	0.294	0.358	0.102	0.345	0.330	0.148	0.015	0.65	0.41	0.79	0.77
All Bands Ant 1	Right Cheek	0.944	0.190	0.055	0.223	0.214	0.148	0.015	1.13	1.01	1.32	1.31
	Right Tilted	0.936	0.193	0.056	0.240	0.206	0.148	0.015	1.13	1.01	1.32	1.29
	Left Cheek	0.785	0.382	0.107	0.343	0.323	0.148	0.015	1.17	0.91	1.28	1.26
	Left Tilted	0.793	0.358	0.102	0.345	0.330	0.148	0.015	1.15	0.91	1.29	1.27
All Bands Ant 2	Right Cheek	0.212	0.190	0.055	0.223	0.214	0.148	0.015	0.40	0.28	0.58	0.57
	Right Tilted	0.225	0.193	0.056	0.240	0.206	0.148	0.015	0.42	0.30	0.61	0.58
	Left Cheek	0.302	0.382	0.107	0.343	0.323	0.148	0.015	0.68	0.42	0.79	0.77
	Left Tilted	0.159	0.358	0.102	0.345	0.330	0.148	0.015	0.52	0.28	0.65	0.64
All Bands Ant 4	Right Cheek	0.922	0.190	0.055	0.223	0.214	0.148	0.015	1.11	0.99	1.29	1.28
	Right Tilted	0.424	0.193	0.056	0.240	0.206	0.148	0.015	0.62	0.50	0.81	0.78
	Left Cheek	0.234	0.382	0.107	0.343	0.323	0.148	0.015	0.62	0.36	0.73	0.71
	Left Tilted	0.188	0.358	0.102	0.345	0.330	0.148	0.015	0.55	0.31	0.68	0.67
All Bands Ant 7	Right Cheek	0.664	0.190	0.055	0.223	0.214	0.148	0.015	0.85	0.73	1.04	1.03
	Right Tilted	0.884	0.193	0.056	0.240	0.206	0.148	0.015	1.08	0.96	1.27	1.24
	Left Cheek	0.845	0.382	0.107	0.343	0.323	0.148	0.015	1.23	0.97	1.34	1.32
	Left Tilted	0.928	0.358	0.102	0.345	0.330	0.148	0.015	1.29	1.05	1.42	1.41
All Bands Ant 8	Right Cheek	0.366	0.190	0.055	0.223	0.214	0.148	0.015	0.56	0.44	0.74	0.73
	Right Tilted	0.440	0.193	0.056	0.240	0.206	0.148	0.015	0.63	0.51	0.83	0.79
	Left Cheek	0.918	0.382	0.107	0.343	0.323	0.148	0.015	1.30	1.04	1.41	1.39
	Left Tilted	0.934	0.358	0.102	0.345	0.330	0.148	0.015	1.29	1.05	1.43	1.41
All Bands Ant 6	Right Cheek	0.908	0.190	0.055	0.223	0.214	0.148	0.015	1.10	0.98	1.28	1.27
	Right Tilted	0.008	0.193	0.056	0.240	0.206	0.148	0.015	0.20	0.08	0.40	0.36
	Left Cheek	0.881	0.382	0.107	0.343	0.323	0.148	0.015	1.26	1.00	1.37	1.35
	Left Tilted	0.008	0.358	0.102	0.345	0.330	0.148	0.015	0.37	0.13	0.50	0.49



17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2	1+3+6	1+4+5	SPLSR
		WWAN	WLAN2.4GHz Ant 3+5	WLAN2.4GHz Ant 5	WLAN5GHz Ant 7+8	Bluetooth Ant 3	Bluetooth Ant 3 For Simultaneous	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)	
All Bands Ant 0	Left side	0.176	0.036	0.007	0.082	0.007	0.003	0.21	0.19	0.27	
	Right side	0.261	0.727	0.148	0.257	0.012	0.003	0.99	0.41	0.53	
	Top side		0.539	0.109	0.542	0.095	0.003	0.54	0.11	0.64	
	Bottom side	1.382					0.003	1.38	1.39	1.38	
All Bands Ant 1	Front	0.341	0.339	0.070	0.298	0.052	0.003	0.68	0.41	0.69	
	Back	0.634	0.711	0.145	0.732	0.055	0.003	1.35	0.78	1.42	
	Left side	0.248	0.036	0.007	0.082	0.007	0.003	0.28	0.26	0.34	
	Right side	0.091	0.727	0.148	0.257	0.012	0.003	0.82	0.24	0.36	
	Top side	0.633	0.539	0.109	0.542	0.095	0.003	1.17	0.75	1.27	
All Bands Ant 2	Front	0.620	0.339	0.070	0.298	0.052	0.003	0.96	0.69	0.97	
	Back	0.780	0.711	0.145	0.732	0.055	0.003	1.49	0.93	1.57	
	Left side	1.285	0.036	0.007	0.082	0.007	0.003	1.32	1.30	1.37	
	Right side	0.068	0.727	0.148	0.257	0.012	0.003	0.80	0.22	0.34	
	Top side		0.539	0.109	0.542	0.095	0.003	0.54	0.11	0.64	
All Bands Ant 4	Front	0.289	0.339	0.070	0.298	0.052	0.003	0.63	0.36	0.64	
	Back	0.560	0.711	0.145	0.732	0.055	0.003	1.27	0.71	1.35	
	Left side	0.627	0.036	0.007	0.082	0.007	0.003	0.66	0.64	0.72	
	Right side	0.009	0.727	0.148	0.257	0.012	0.003	0.74	0.16	0.28	
	Top side	0.070	0.539	0.109	0.542	0.095	0.003	0.61	0.18	0.71	
All Bands Ant 7	Front	0.234	0.339	0.070	0.298	0.052	0.003	0.57	0.31	0.58	
	Back	0.643	0.711	0.145	0.732	0.055	0.003	1.35	0.79	1.43	
	Left side	0.031	0.036	0.007	0.082	0.007	0.003	0.07	0.04	0.12	
	Right side	0.054	0.727	0.148	0.257	0.012	0.003	0.78	0.21	0.32	
	Top side	0.628	0.539	0.109	0.542	0.095	0.003	1.17	0.74	1.27	
All Bands Ant 8	Front	0.270	0.339	0.070	0.298	0.052	0.003	0.61	0.34	0.62	
	Back	0.634	0.711	0.145	0.732	0.055	0.003	1.35	0.78	1.42	
	Left side	0.160	0.036	0.007	0.082	0.007	0.003	0.20	0.17	0.25	
	Right side	0.345	0.727	0.148	0.257	0.012	0.003	1.07	0.50	0.61	
	Top side	0.404	0.539	0.109	0.542	0.095	0.003	0.94	0.52	1.04	
All Bands Ant 6	Front	0.168	0.339	0.070	0.298	0.052	0.003	0.51	0.24	0.52	
	Back	0.213	0.711	0.145	0.732	0.055	0.003	0.92	0.36	1.00	
	Left side	0.683	0.036	0.007	0.082	0.007	0.003	0.72	0.69	0.77	
	Right side		0.727	0.148	0.257	0.012	0.003	0.73	0.15	0.27	
	Top side		0.539	0.109	0.542	0.095	0.003	0.54	0.11	0.64	
GSM850 Ant 0	Front	0.683	0.339	0.070	0.298	0.052	0.003	1.02	0.76	1.03	
	Back	1.279	0.711	0.145	0.732	0.055	0.003	1.99	1.43	2.07	1/2
GSM1900 Ant 0	Front	0.600	0.339	0.070	0.298	0.052	0.003	0.94	0.67	0.95	
	Back	0.750	0.711	0.145	0.732	0.055	0.003	1.46	0.90	1.54	
WCDMA II Ant 0	Front	0.518	0.339	0.070	0.298	0.052	0.003	0.86	0.59	0.87	
	Back	0.647	0.711	0.145	0.732	0.055	0.003	1.36	0.80	1.43	
WCDMA IV Ant 0	Front	0.538	0.339	0.070	0.298	0.052	0.003	0.88	0.61	0.89	
	Back	0.687	0.711	0.145	0.732	0.055	0.003	1.40	0.84	1.47	
WCDMA V Ant 0	Front	0.686	0.339	0.070	0.298	0.052	0.003	1.03	0.76	1.04	
	Back	1.146	0.711	0.145	0.732	0.055	0.003	1.86	1.29	1.93	3/4
LTE Band 2 Ant 0	Front	0.559	0.339	0.070	0.298	0.052	0.003	0.90	0.63	0.91	
	Back	0.692	0.711	0.145	0.732	0.055	0.003	1.40	0.84	1.48	
LTE Band 66 Ant 0	Front	0.773	0.339	0.070	0.298	0.052	0.003	1.11	0.85	1.12	
	Back	0.909	0.711	0.145	0.732	0.055	0.003	1.62	1.06	1.70	5/6



LTE Band 26 Ant 0	Front	0.656	0.339	0.070	0.298	0.052	0.003	1.00	0.73	1.01	
	Back	1.282	0.711	0.145	0.732	0.055	0.003	1.99	1.43	2.07	7/8
LTE Band 7 Ant 0	Front	0.551	0.339	0.070	0.298	0.052	0.003	0.89	0.62	0.90	
	Back	0.908	0.711	0.145	0.732	0.055	0.003	1.62	1.06	1.70	9/10
LTE Band 12 Ant 0	Front	0.318	0.339	0.070	0.298	0.052	0.003	0.66	0.39	0.67	
	Back	0.510	0.711	0.145	0.732	0.055	0.003	1.22	0.66	1.30	
LTE Band 13 Ant 0	Front	0.625	0.339	0.070	0.298	0.052	0.003	0.96	0.70	0.98	
	Back	1.077	0.711	0.145	0.732	0.055	0.003	1.79	1.23	1.86	11/12
LTE Band 38 Ant 0	Front	0.617	0.339	0.070	0.298	0.052	0.003	0.96	0.69	0.97	
	Back	1.014	0.711	0.145	0.732	0.055	0.003	1.73	1.16	1.80	13/14
LTE Band 41 Ant 0	Front	0.458	0.339	0.070	0.298	0.052	0.003	0.80	0.53	0.81	
	Back	0.805	0.711	0.145	0.732	0.055	0.003	1.52	0.95	1.59	
FR1 n2 Ant 0	Front	0.557	0.339	0.070	0.298	0.052	0.003	0.90	0.63	0.91	
	Back	0.674	0.711	0.145	0.732	0.055	0.003	1.39	0.82	1.46	
FR1 n5 Ant 0	Front	0.713	0.339	0.070	0.298	0.052	0.003	1.05	0.79	1.06	
	Back	1.130	0.711	0.145	0.732	0.055	0.003	1.84	1.28	1.92	15/16
FR1 n7 Ant 0	Front	0.473	0.339	0.070	0.298	0.052	0.003	0.81	0.55	0.82	
	Back	0.902	0.711	0.145	0.732	0.055	0.003	1.61	1.05	1.69	17/18
FR1 n66 Ant 0	Front	0.679	0.339	0.070	0.298	0.052	0.003	1.02	0.75	1.03	
	Back	0.797	0.711	0.145	0.732	0.055	0.003	1.51	0.95	1.58	
FR1 n38 Ant 0	Front	0.599	0.339	0.070	0.298	0.052	0.003	0.94	0.67	0.95	
	Back	0.888	0.711	0.145	0.732	0.055	0.003	1.60	1.04	1.68	19/20
FR1 n38 Ant 2	Front	0.430	0.339	0.070	0.298	0.052	0.003	0.77	0.50	0.78	
	Back	0.780	0.711	0.145	0.732	0.055	0.003	1.49	0.93	1.57	
FR1 n41 Ant 0	Front	0.550	0.339	0.070	0.298	0.052	0.003	0.89	0.62	0.90	
	Back	0.949	0.711	0.145	0.732	0.055	0.003	1.66	1.10	1.74	21/22



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+7	1+4+6	1+5+6	SPLSR
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3+5 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 7+8 1g SAR (W/kg)	WLAN6GHz Ant 7+8 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 3 For Simultaneous 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
All Bands Ant 1	Front	0.561	0.183	0.064	0.149	0.143	0.126	0.006	0.74	0.63	0.84	0.83	
	Back	0.979	0.385	0.135	0.357	0.273	0.134	0.009	1.36	1.12	1.47	1.39	
All Bands Ant 2	Front	1.122	0.183	0.064	0.149	0.143	0.126	0.006	1.31	1.19	1.40	1.39	
	Back	1.097	0.385	0.135	0.357	0.273	0.134	0.009	1.48	1.24	1.59	1.50	
All Bands Ant 4	Front	0.367	0.183	0.064	0.149	0.143	0.126	0.006	0.55	0.44	0.64	0.64	
	Back	0.938	0.385	0.135	0.357	0.273	0.134	0.009	1.32	1.08	1.43	1.35	
All Bands Ant 7	Front	0.443	0.183	0.064	0.149	0.143	0.126	0.006	0.63	0.51	0.72	0.71	
	Back	0.925	0.385	0.135	0.357	0.273	0.134	0.009	1.31	1.07	1.42	1.33	
All Bands Ant 8	Front	0.589	0.183	0.064	0.149	0.143	0.126	0.006	0.77	0.66	0.86	0.86	
	Back	0.933	0.385	0.135	0.357	0.273	0.134	0.009	1.32	1.08	1.42	1.34	
All Bands Ant 6	Front	0.732	0.183	0.064	0.149	0.143	0.126	0.006	0.92	0.80	1.01	1.00	
	Back	0.931	0.385	0.135	0.357	0.273	0.134	0.009	1.32	1.08	1.42	1.34	
GSM850 Ant 0	Front	0.683	0.183	0.064	0.149	0.143	0.126	0.006	0.87	0.75	0.96	0.95	
	Back	1.279	0.385	0.135	0.357	0.273	0.134	0.009	1.66	1.42	1.77	1.69	1/2/3
GSM1900 Ant 0	Front	1.026	0.183	0.064	0.149	0.143	0.126	0.006	1.21	1.10	1.30	1.30	
	Back	1.286	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.69	4/5/6
WCDMA II Ant 0	Front	1.028	0.183	0.064	0.149	0.143	0.126	0.006	1.21	1.10	1.30	1.30	
	Back	1.283	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.77	1.69	7/8/9
WCDMA IV Ant 0	Front	1.030	0.183	0.064	0.149	0.143	0.126	0.006	1.21	1.10	1.31	1.30	
	Back	1.278	0.385	0.135	0.357	0.273	0.134	0.009	1.66	1.42	1.77	1.69	10/11/12
WCDMA V Ant 0	Front	0.686	0.183	0.064	0.149	0.143	0.126	0.006	0.87	0.76	0.96	0.96	
	Back	1.146	0.385	0.135	0.357	0.273	0.134	0.009	1.53	1.29	1.64	1.55	13
LTE Band 2 Ant 0	Front	1.032	0.183	0.064	0.149	0.143	0.126	0.006	1.22	1.10	1.31	1.30	
	Back	1.269	0.385	0.135	0.357	0.273	0.134	0.009	1.65	1.41	1.76	1.68	14/15/16
LTE Band 66 Ant 0	Front	1.130	0.183	0.064	0.149	0.143	0.126	0.006	1.31	1.20	1.41	1.40	
	Back	1.290	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.43	1.78	1.70	17/18/19
LTE Band 26 Ant 0	Front	0.656	0.183	0.064	0.149	0.143	0.126	0.006	0.84	0.73	0.93	0.93	
	Back	1.282	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.77	1.69	20/21/22
LTE Band 7 Ant 0	Front	0.782	0.183	0.064	0.149	0.143	0.126	0.006	0.97	0.85	1.06	1.05	
	Back	1.289	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.70	23/24/25
LTE Band 12 Ant 0	Front	0.318	0.183	0.064	0.149	0.143	0.126	0.006	0.50	0.39	0.59	0.59	
	Back	0.510	0.385	0.135	0.357	0.273	0.134	0.009	0.90	0.65	1.00	0.92	
LTE Band 13 Ant 0	Front	0.625	0.183	0.064	0.149	0.143	0.126	0.006	0.81	0.70	0.90	0.89	
	Back	1.077	0.385	0.135	0.357	0.273	0.134	0.009	1.46	1.22	1.57	1.48	
LTE Band 38 Ant 0	Front	0.788	0.183	0.064	0.149	0.143	0.126	0.006	0.97	0.86	1.06	1.06	
	Back	1.294	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.44	1.79	1.70	26/27/28
LTE Band 41 Ant 0	Front	0.842	0.183	0.064	0.149	0.143	0.126	0.006	1.03	0.91	1.12	1.11	
	Back	1.290	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.43	1.78	1.70	29/30/31
FR1 n2 Ant 0	Front	1.062	0.183	0.064	0.149	0.143	0.126	0.006	1.25	1.13	1.34	1.33	
	Back	1.286	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.69	32/33/34
FR1 n5 Ant 0	Front	0.713	0.183	0.064	0.149	0.143	0.126	0.006	0.90	0.78	0.99	0.98	
	Back	1.131	0.385	0.135	0.357	0.273	0.134	0.009	1.52	1.28	1.62	1.54	35
FR1 n7 Ant 0	Front	0.681	0.183	0.064	0.149	0.143	0.126	0.006	0.86	0.75	0.96	0.95	
	Back	1.290	0.385	0.135	0.357	0.273	0.134	0.009	1.68	1.43	1.78	1.70	36/37/38
FR1 n66 Ant 0	Front	1.089	0.183	0.064	0.149	0.143	0.126	0.006	1.27	1.16	1.36	1.36	
	Back	1.276	0.385	0.135	0.357	0.273	0.134	0.009	1.66	1.42	1.77	1.68	39/40/41
FR1 n38 Ant 0	Front	0.853	0.183	0.064	0.149	0.143	0.126	0.006	1.04	0.92	1.13	1.12	
	Back	1.268	0.385	0.135	0.357	0.273	0.134	0.009	1.65	1.41	1.76	1.68	42/43/44
FR1 n41 Ant 0	Front	0.745	0.183	0.064	0.149	0.143	0.126	0.006	0.93	0.82	1.02	1.01	
	Back	1.286	0.385	0.135	0.357	0.273	0.134	0.009	1.67	1.43	1.78	1.69	45/46/47



17.5 Product specific 10g SAR Exposure Conditions

Remark:

- 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.

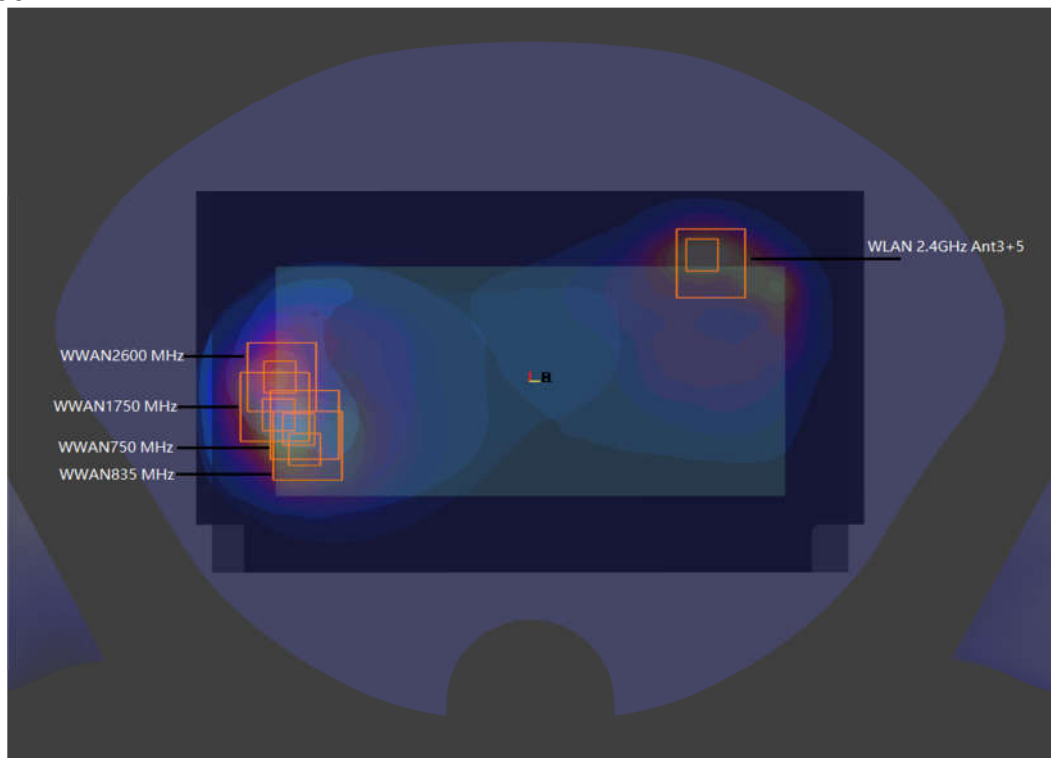
WWAN Band	Exposure Position	1	2	3	4	5	1+2+5	1+3+5	1+4+5
		WWAN	WLAN2.4GHz Ant 3+5	WLAN5GHz Ant 7+8	WLAN6GHz Ant 7+8	NFC	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
All Bands Ant 0	Front	2.801		0.811	0.258	0.003	2.80	3.62	3.06
	Back	3.058	0.492	0.891	0.111	0.030	3.58	3.98	3.20
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side		0.417	0.980	0.408		0.42	0.98	0.41
	Bottom side	3.434					3.43	3.43	3.43
All Bands Ant 1	Front	1.630		0.811	0.258	0.003	1.63	2.44	1.89
	Back	2.427	0.492	0.891	0.111	0.030	2.95	3.35	2.57
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	2.539	0.417	0.980	0.408		2.96	3.52	2.95
All Bands Ant 2	Front			0.811	0.258	0.003	0.00	0.81	0.26
	Back		0.492	0.891	0.111	0.030	0.52	0.92	0.14
	Left side	3.038		0.179	0.010	0.001	3.04	3.22	3.05
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side		0.417	0.980	0.408		0.42	0.98	0.41
All Bands Ant 4	Front	0.910		0.811	0.258	0.003	0.91	1.72	1.17
	Back	1.972	0.492	0.891	0.111	0.030	2.49	2.89	2.11
	Left side	2.472		0.179	0.010	0.001	2.47	2.65	2.48
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	0.246	0.417	0.980	0.408		0.66	1.23	0.65
All Bands Ant 7	Front	1.694		0.811	0.258	0.003	1.70	2.51	1.96
	Back	1.798	0.492	0.891	0.111	0.030	2.32	2.72	1.94
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	2.472	0.417	0.980	0.408		2.89	3.45	2.88
All Bands Ant 8	Front			0.811	0.258	0.003	0.00	0.81	0.26
	Back	0.833	0.492	0.891	0.111	0.030	1.36	1.75	0.97
	Left side			0.179	0.010	0.001	0.00	0.18	0.01
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side	1.473	0.417	0.980	0.408		1.89	2.45	1.88
All Bands Ant 6	Front			0.811	0.258	0.003	0.00	0.81	0.26
	Back	0.776	0.492	0.891	0.111	0.030	1.30	1.70	0.92
	Left side	2.609		0.179	0.010	0.001	2.61	2.79	2.62
	Right side		0.967	0.564	0.157		0.97	0.56	0.16
	Top side		0.417	0.980	0.408		0.42	0.98	0.41

17.6 SPLSR Evaluation and Analysis

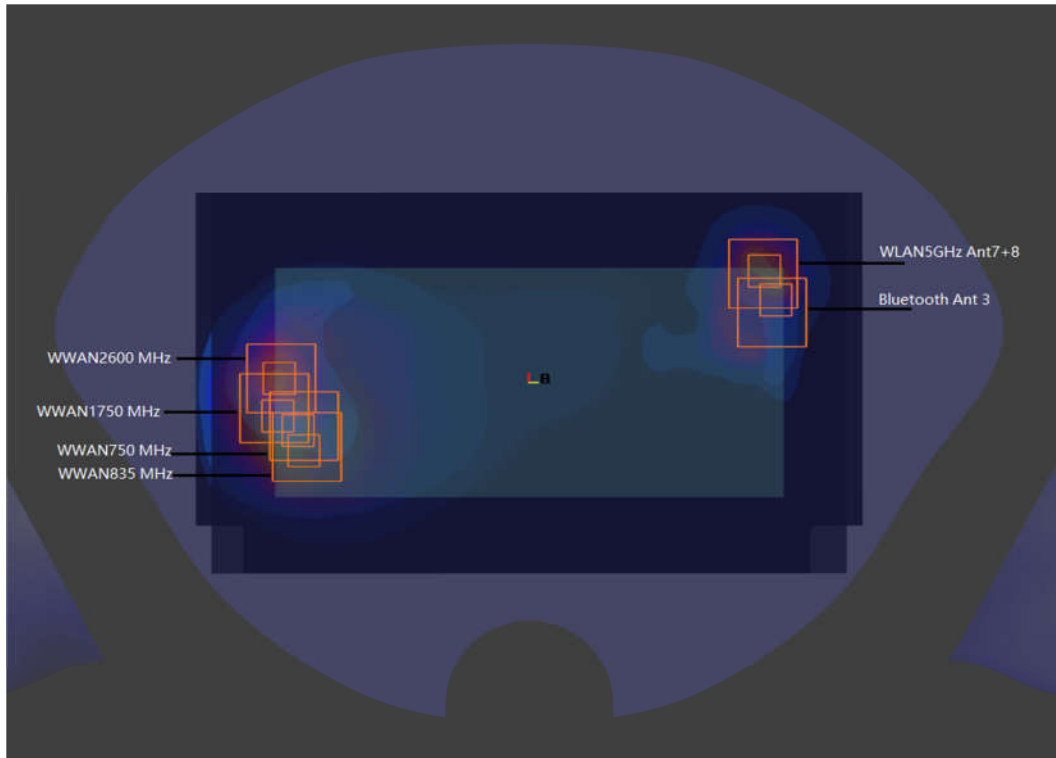
General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WLAN band antenna 7/8 was summed algebraically with the BT Antenna 3 separately for the purposes of hybrid SPLSR combination and they are located at the top of the device.
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

Hotspot

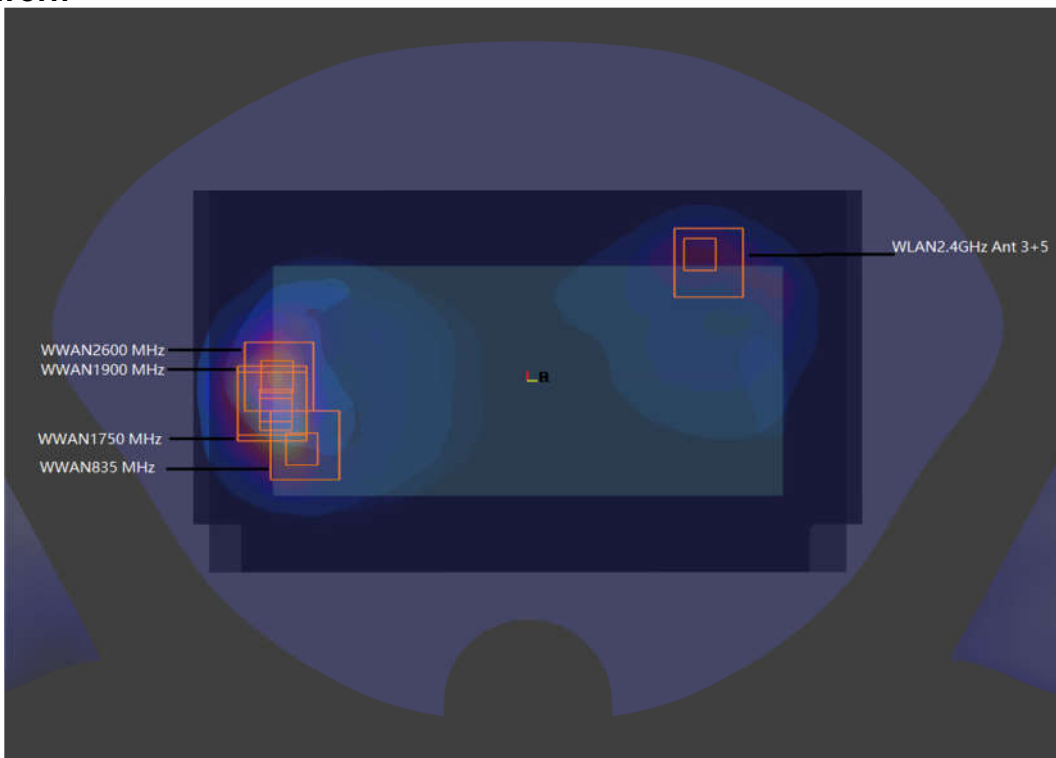


WWAN Ant0+WLAN2.4G Ant3+5 Back 5mm

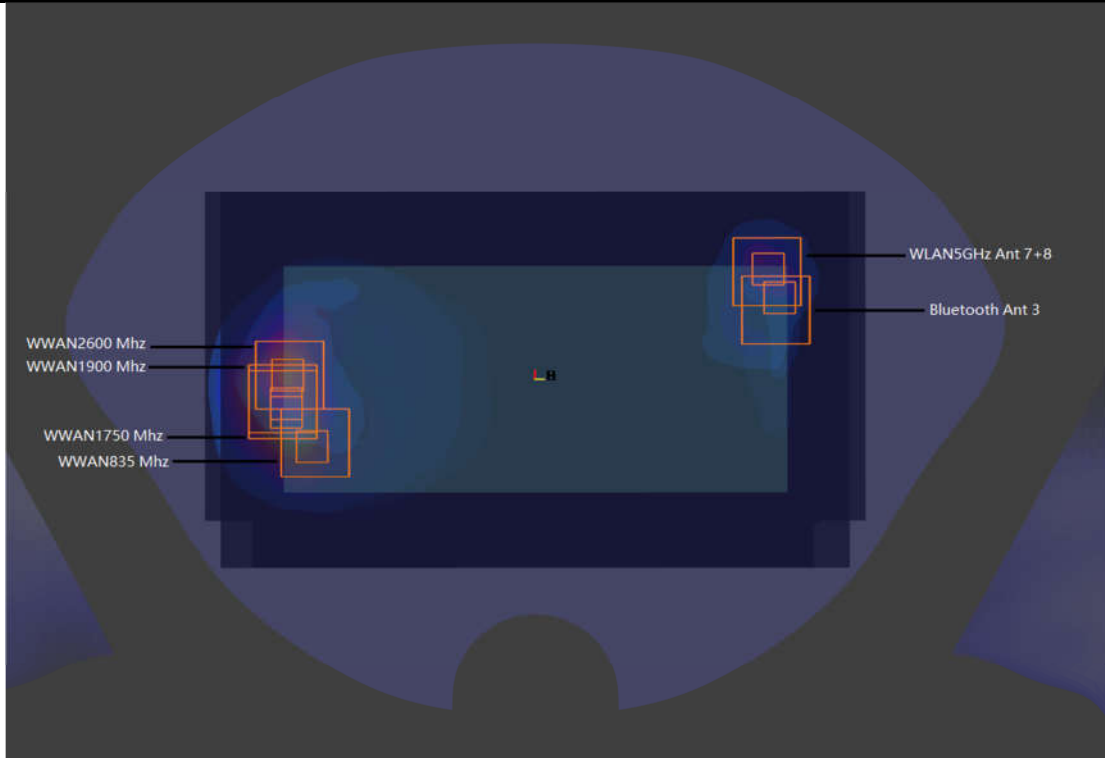


WWAN Ant0+WLAN5G Ant7+8+Bluetooth Back 5mm

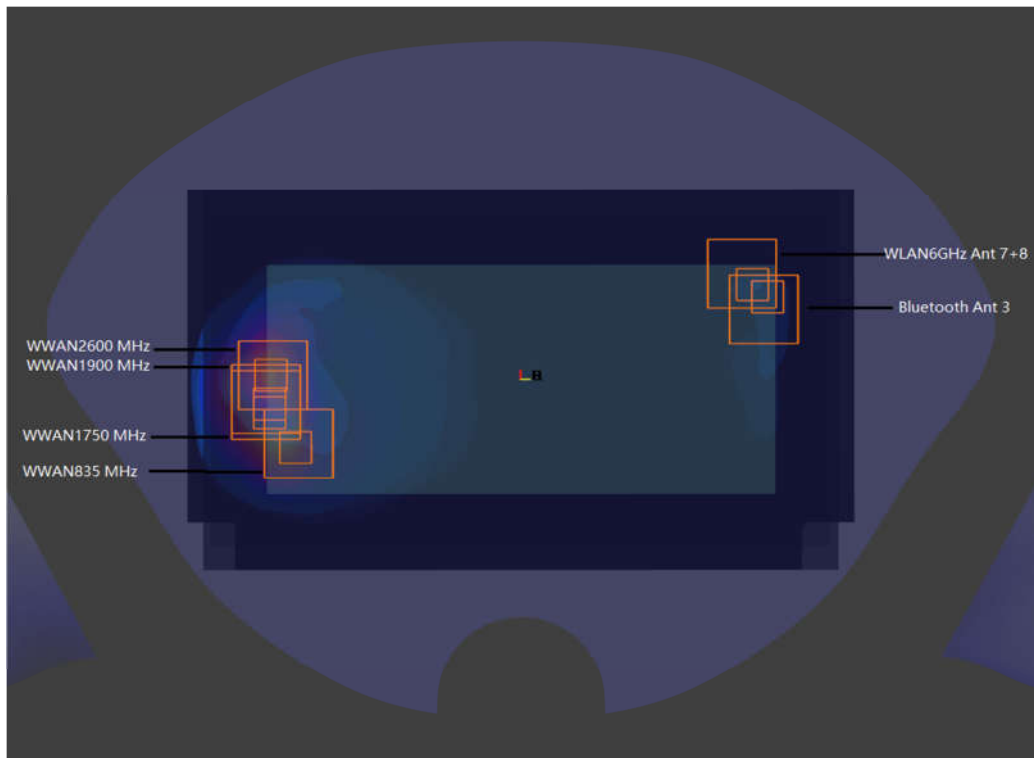
Body worn



WWAN Ant0+WLAN2.4G Ant3+5 Back 5mm



WWAN Ant0+WLAN5G Ant7+8+Bluetooth Back 5mm



WWAN Ant0+WLAN6G Ant7+8+Bluetooth Back 5mm



For Hotspot

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	141.5	1.99	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 2	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	158.2	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055	5mm								
	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	159.6	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055	5mm	-50.5	78	-207					
Case 3	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	142.0	1.86	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 4	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	158.3	1.93	0.02	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055	5mm								
	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	159.5	1.93	0.02	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055	5mm	-50.5	78	-207					
Case 5	LTE Band 66 Ant 0	Back	0.909	0.909	5mm	-22.3	-79.9	-207	140.1	1.62	0.01	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 6	LTE Band 66 Ant 0	Back	0.909	0.909	5mm	-22.3	-79.9	-207	158.1	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055	5mm								
	LTE Band 66 Ant 0	Back	0.909	0.909	5mm	-22.3	-79.9	-207	160.4	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055	5mm	-50.5	78	-207					
Case 7	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	142.0	1.99	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 8	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	158.5	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055	5mm								
	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	159.7	2.07	0.02	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055	5mm	-50.5	78	-207					
Case 9	LTE Band 7 Ant 0	Back	0.908	0.908	5mm	-30	-79.5	-207	137.5	1.62	0.02	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 10	LTE Band 7 Ant 0	Back	0.908	0.908	5mm	-30	-79.5	-207	156.1	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 7 Ant 0	Back	0.908	0.908	5mm	-30	-79.5	-207	158.8	1.70	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	5mm								
	Bluetooth Ant 3		0.055	5mm	-50.5	78	-207					
Case 11	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-9.9	-77.6	-207	142.2	1.79	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 12	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-9.9	-77.6	-207	159.2	1.86	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 13 Ant 0	Back	1.077	1.077	5mm	-9.9	-77.6	-207	160.8	1.86	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case 13	LTE Band 38 Ant 0	Back	1.014	1.014	5mm	-25.5	-86	-207	145.0	1.73	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 14	LTE Band 38 Ant 0	Back	1.014	1.014	5mm	-25.5	-86	-207	163.4	1.80	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	LTE Band 38 Ant 0	Back	1.014	1.014	5mm	-25.5	-86	-207	165.9	1.80	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case 15	FR1 n5 Ant 0	Back	1.130	1.130	5mm	-6.4	-75.1	-207	141.3	1.84	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 16	FR1 n5 Ant 0	Back	1.130	1.130	5mm	-6.4	-75.1	-207	158.0	1.92	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	FR1 n5 Ant 0	Back	1.130	1.130	5mm	-6.4	-75.1	-207	159.3	1.92	0.02	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case 17	FR1 n7 Ant 0	Back	0.902	0.902	5mm	-25.5	-79.5	-207	138.7	1.61	0.01	Not required
	WLAN2.4GHz Ant 3+5		0.711	0.711	5mm	-65	53.5	-207				
Case 18	FR1 n7 Ant 0	Back	0.902	0.902	5mm	-25.5	-79.5	-207	157.0	1.69	0.01	Not required
	WLAN5GHz Ant 7+8		0.732	0.787	5mm	-58.9	73.9	-207				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	Bluetooth Ant 3	Back	0.055	0.787	5mm				159.5	1.69	0.01	Not required
	FR1 n7 Ant 0		0.902		5mm	-25.5	-79.5	-207				
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case 19	FR1 n38 Ant 0	Back	0.888	0.787	5mm	-28	-79.5	-207	138.1	1.60	0.01	Not required
	WLAN2.4GHz Ant 3+5		0.711		5mm	-65	53.5	-207				
Case 20	FR1 n38 Ant 0	Back	0.888	0.787	5mm	-28	-79.5	-207	156.5	1.68	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	FR1 n38 Ant 0	Back	0.888	0.787	5mm	-28	-79.5	-207	159.1	1.68	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				
Case 21	FR1 n41 Ant 0	Back	0.949	0.711	5mm	-29.5	-78.5	-207	136.7	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.711		5mm	-65	53.5	-207				
Case 22	FR1 n41 Ant 0	Back	0.949	0.787	5mm	-29.5	-78.5	-207	155.2	1.74	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.055		5mm							
	FR1 n41 Ant 0	Back	0.949	0.787	5mm	-29.5	-78.5	-207	157.9	1.74	0.01	Not required
	WLAN5GHz Ant 7+8		0.732		5mm							
	Bluetooth Ant 3		0.055		5mm	-50.5	78	-207				



For Body

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		(mm)	X	Y				
Case 1	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	141.5	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case 2	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	158.2	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134	5mm								
	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	159.6	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm							
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207				
Case 3	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	153.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134	5mm								
	GSM850 Ant 0	Back	1.279	1.279	5mm	-7.1	-75.6	-207	159.6	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm							
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207				
Case 4	GSM1900 Ant 0	Back	1.286	1.286	5mm	-27.4	-80.8	-207	139.5	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case 5	GSM1900 Ant 0	Back	1.286	1.286	5mm	-27.4	-80.8	-207	157.9	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134	5mm								
	GSM1900 Ant 0	Back	1.286	1.286	5mm	-27.4	-80.8	-207	160.5	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm							
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207				
Case 6	GSM1900 Ant 0	Back	1.286	1.286	5mm	-27.4	-80.8	-207	153.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134	5mm								
	GSM1900 Ant 0	Back	1.286	1.286	5mm	-27.4	-80.8	-207	160.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273		5mm							
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207				
Case 7	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	140.8	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case 8	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	158.7	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134	5mm								
	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	160.9	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357		5mm							
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 9	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	154.2	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA II Ant 0	Back	1.283	1.283	5mm	-19.8	-79.9	-207	160.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 10	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	141.6	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 11	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	159.4	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	161.5	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 12	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	154.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA IV Ant 0	Back	1.278	1.278	5mm	-18.8	-80.4	-207	161.5	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 13	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	158.3	1.64	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	WCDMA V Ant 0	Back	1.146	1.146	5mm	-2.6	-74.1	-207	159.5	1.64	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 14	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	139.4	1.65	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 15	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	157.5	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	159.9	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 16	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	153.1	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 2 Ant 0	Back	1.269	1.269	5mm	-23.6	-79.6	-207	159.9	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case 17	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	140.1	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case 18	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	158.1	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		5mm									
	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	160.4	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		5mm									
	Bluetooth Ant 3		5mm		-50.5	78	-207					
Case 19	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	153.6	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		5mm		-55	70.2	-207					
	Bluetooth Ant 3		5mm									
	LTE Band 66 Ant 0	Back	1.290	1.290	5mm	-22.3	-79.9	-207	160.4	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		5mm									
	Bluetooth Ant 3		5mm		-50.5	78	-207					
Case 20	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	142.0	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case 21	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	158.5	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		5mm									
	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	159.7	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		5mm									
	Bluetooth Ant 3		5mm		-50.5	78	-207					
Case 22	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	153.7	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		5mm		-55	70.2	-207					
	Bluetooth Ant 3		5mm									
	LTE Band 26 Ant 0	Back	1.282	1.282	5mm	-4.4	-74.9	-207	159.7	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		5mm									
	Bluetooth Ant 3		5mm		-50.5	78	-207					
Case 23	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	137.5	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case 24	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	156.1	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		5mm									
	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	158.8	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		5mm									
	Bluetooth Ant 3		5mm		-50.5	78	-207					



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 25	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	151.8	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 7 Ant 0	Back	1.289	1.289	5mm	-30	-79.5	-207	158.8	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 26	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	145.0	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 27	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	163.4	1.79	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	165.9	1.79	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 28	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	159.0	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 38 Ant 0	Back	1.294	1.294	5mm	-25.5	-86	-207	165.9	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 29	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	136.7	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 30	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	155.3	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm	-58.9	73.9	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	158.1	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	0.491	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 31	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	151.0	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm	-55	70.2	-207				
	Bluetooth Ant 3		0.134		5mm							
	LTE Band 41 Ant 0	Back	1.290	1.290	5mm	-31.5	-79	-207	158.1	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	0.407	5mm							
	Bluetooth Ant 3		0.134		5mm	-50.5	78	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 32	FR1 n2 Ant 0	Back	1.286	1.286	5mm	-19.8	-80.4	-207	141.3	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	0.385	5mm	-65	53.5	-207				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



Case No	Band	Position	SAR 1g SAR (W/kg)		Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			SAR	SAR			X	Y	Z				
Case 33	FR1 n2 Ant 0	Back	1.286	1.286	0.491	5mm	-19.8	-80.4	-207	159.2	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n2 Ant 0	Back	1.286	1.286	0.491	5mm	-19.8	-80.4	-207	161.3	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
Case 34	FR1 n2 Ant 0	Back	1.286	1.286	0.407	5mm	-19.8	-80.4	-207	154.7	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm		-55	70.2	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n2 Ant 0	Back	1.286	1.286	0.407	5mm	-19.8	-80.4	-207	161.3	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
Case 35	FR1 n5 Ant 0	Back	1.131	1.131	0.491	5mm	-6.4	-75.1	-207	158.0	1.62	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n5 Ant 0	Back	1.131	1.131	0.491	5mm	-6.4	-75.1	-207	159.3	1.62	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
Case 36	FR1 n7 Ant 0	Back	1.290	1.290	0.385	5mm	-25.5	-79.5	-207	138.7	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	5mm		-65	53.5	-207					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
Case 37	FR1 n7 Ant 0	Back	1.290	1.290	0.491	5mm	-25.5	-79.5	-207	157.0	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n7 Ant 0	Back	1.290	1.290	0.491	5mm	-25.5	-79.5	-207	159.5	1.78	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
Case 38	FR1 n7 Ant 0	Back	1.290	1.290	0.407	5mm	-25.5	-79.5	-207	152.6	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm		-55	70.2	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n7 Ant 0	Back	1.290	1.290	0.407	5mm	-25.5	-79.5	-207	159.5	1.70	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
Case 39	FR1 n66 Ant 0	Back	1.276	1.276	0.385	5mm	-21.6	-79.6	-207	140.0	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	5mm		-65	53.5	-207					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
Case 40	FR1 n66 Ant 0	Back	1.276	1.276	0.491	5mm	-21.6	-79.6	-207	158.0	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n66 Ant 0	Back	1.276	1.276	0.491	5mm	-21.6	-79.6	-207	160.2	1.77	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					



Case No	Band	Position	SAR 1g SAR (W/kg)		Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			SAR 1g SAR (W/kg)	1g SAR (W/kg)			X	Y	Z				
Case 41	FR1 n66 Ant 0	Back	1.276	1.276	0.407	5mm	-21.6	-79.6	-207	153.5	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm		-55	70.2	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n66 Ant 0	Back	1.276	1.276	0.407	5mm	-21.6	-79.6	-207	160.2	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case 42	FR1 n38 Ant 0	Back	1.268	1.268	0.385	5mm	-28	-79.5	-207	138.1	1.65	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	5mm		-65	53.5	-207					
Case 43	FR1 n38 Ant 0	Back	1.268	1.268	0.491	5mm	-28	-79.5	-207	156.5	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n38 Ant 0	Back	1.268	1.268	0.491	5mm	-28	-79.5	-207	159.1	1.76	0.01	Not required
	WLAN5GHz Ant 7+8		0.357	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case 44	FR1 n38 Ant 0	Back	1.268	1.268	0.407	5mm	-28	-79.5	-207	152.1	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm		-55	70.2	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n38 Ant 0	Back	1.268	1.268	0.407	5mm	-28	-79.5	-207	159.1	1.68	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case 45	FR1 n41 Ant 0	Back	1.286	1.286	0.385	5mm	-29.5	-78.5	-207	136.7	1.67	0.02	Not required
	WLAN2.4GHz Ant 3+5		0.385	5mm		-65	53.5	-207					
Case 46	FR1 n41 Ant 0	Back	1.286	1.286	0.491	5mm	-29.5	-78.5	-207	155.2	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	5mm		-58.9	73.9	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n41 Ant 0	Back	1.286	1.286	0.491	5mm	-29.5	-78.5	-207	157.9	1.78	0.02	Not required
	WLAN5GHz Ant 7+8		0.357	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					
Case 47	FR1 n41 Ant 0	Back	1.286	1.286	0.407	5mm	-29.5	-78.5	-207	150.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm		-55	70.2	-207					
	Bluetooth Ant 3		0.134	5mm									
	FR1 n41 Ant 0	Back	1.286	1.286	0.407	5mm	-29.5	-78.5	-207	157.9	1.69	0.01	Not required
	WLAN6GHz Ant 7+8		0.273	5mm									
	Bluetooth Ant 3		0.134	5mm		-50.5	78	-207					

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18. 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.

19. References

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- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

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