



FCC SAR Test Report

Report No. : FA2D3005

FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	State 7	518598	2592.99	1	15.62	17.00	1.374	50	1.000	0.06	0.264	0.363
FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	State 7	518598	2592.99	1	14.39	15.50	1.291	-	-	0.09	0.302	0.390
FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	State 7	518598	2592.99	1	14.39	15.50	1.291	-	-	0.19	0.090	0.116
FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	State 7	518598	2592.99	1	14.39	15.50	1.291	-	-	0.13	0.066	0.085
FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	State 7	518598	2592.99	1	14.39	15.50	1.291	-	-	-0.06	0.047	0.061

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Operating Mode	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)
2450MHz																		
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 5	Rec on	normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 5	Rec on	normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 5	Rec on	normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	0.02	0.001	0.002
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 5	Rec on	normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 4	Rec on	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	-0.06	0.058	0.114
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 4	Rec on	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	-0.03	0.052	0.102
25	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 4	Rec on	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	0.15	0.226	0.445
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 4	Rec on	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	-0.15	0.126	0.248
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 5	Rec on	normal	6	2437		19.80	21.50	1.479	100	1.000	0.1	0.214	0.317
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 5	Rec on	normal	6	2437	1	19.80	21.50	1.479	100	1.000	0.19	0.042	0.062
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5	Rec on	normal	6	2437	1	19.80	21.50	1.479	100	1.000	0.06	0.059	0.087
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 5	Rec on	normal	6	2437	1	19.80	21.50	1.479	100	1.000	-0.19	0.039	0.058
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	Rec on	normal	6	2437	1	17.00	18.50	1.413	100	1.000	0.14	0.132	0.186
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	Rec on	normal	6	2437	1	17.00	18.50	1.413	100	1.000	-0.03	0.137	0.194
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	Rec on	normal	6	2437	1	17.00	18.50	1.413	100	1.000	-0.09	0.753	1.064
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	Rec on	normal	6	2437	1	17.00	18.50	1.413	100	1.000	-0.12	0.354	0.500
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	Rec on	normal	1	2412	1	16.90	18.50	1.445	100	1.000	0.08	0.654	0.945
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	Rec on	normal	11	2462	1	16.80	18.50	1.479	100	1.000	0.14	0.603	0.892
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	Rec on Simultaneous	normal	6	2437	1	13.80	15.00	1.318	100	1.000	-0.15	0.064	0.084
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	Rec on Simultaneous	normal	6	2437	1	13.80	15.00	1.318	100	1.000	-0.17	0.068	0.090
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	Rec on Simultaneous	normal	6	2437	1	13.80	15.00	1.318	100	1.000	-0.17	0.280	0.369
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	Rec on Simultaneous	normal	6	2437	1	13.80	15.00	1.318	100	1.000	-0.11	0.174	0.229
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 5+4	Rec on	normal	6	2437	1	20.00	21.50	1.413	100	1.000	0.18	0.174	0.246
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 5+4	Rec on	normal	6	2437	1	20.00	21.50	1.413	100	1.000	0.14	0.183	0.258
26	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5+4	Rec on	normal	6	2437	1	20.00	21.50	1.413	100	1.000	-0.03	0.772	1.090
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 5+4	Rec on	normal	6	2437	1	20.00	21.50	1.413	100	1.000	-0.16	0.384	0.542
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5+4	Rec on	normal	1	2412	1	19.90	21.50	1.445	100	1.000	-0.02	0.617	0.892
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5+4	Rec on	normal	11	2462	1	19.80	21.50	1.479	100	1.000	0.13	0.634	0.938
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	6	2437	1	16.78	18.00	1.324	100	1.000	-0.01	0.083	0.110
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	6	2437	1	16.78	18.00	1.324	100	1.000	-0.17	0.095	0.126
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	6	2437	1	16.78	18.00	1.324	100	1.000	-0.11	0.284	0.376
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	6	2437	1	16.78	18.00	1.324	100	1.000	-0.17	0.179	0.237
5000MHz																		
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 5	Rec on	normal	50	5250	1	18.56	20.50	1.563	100	1.000	-0.05	0.685	1.071
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 5	Rec on	normal	50	5250	1	18.56	20.50	1.563	100	1.000	-0.05	0.142	0.222
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 5	Rec on	normal	50	5250	1	18.56	20.50	1.563	100	1.000	-0.17	0.249	0.389
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 5	Rec on	normal	50	5250	1	18.56	20.50	1.563	100	1.000	-0.14	0.192	0.300
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 5	Rec on Simultaneous	normal	50	5250	1	17.45	18.00	1.135	100	1.000	-0.02	0.321	0.364
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 5	Rec on Simultaneous	normal	50	5250	1	17.45	18.00	1.135	100	1.000	-0.13	0.064	0.073
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 5	Rec on Simultaneous	normal	50	5250	1	17.45	18.00	1.135	100	1.000	-0.03	0.117	0.133
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 5	Rec on Simultaneous	normal	50	5250	1	17.45	18.00	1.135	100	1.000	0.01	0.092	0.104



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	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 4	Rec on	normal	50	5250	1	16.30	18.00	1.479	100	1.000	0.14	0.157	0.232
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 4	Rec on	normal	50	5250	1	16.30	18.00	1.479	100	1.000	0.06	0.142	0.210
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 4	Rec on	normal	50	5250	1	16.30	18.00	1.479	100	1.000	0.14	0.635	0.939
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 4	Rec on	normal	50	5250	1	16.30	18.00	1.479	100	1.000	0.05	0.311	0.460
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 4	Rec on Simultaneous	normal	50	5250	1	14.20	15.00	1.202	100	1.000	0.1	0.083	0.100
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 4	Rec on Simultaneous	normal	50	5250	1	14.20	15.00	1.202	100	1.000	0.12	0.075	0.090
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 4	Rec on Simultaneous	normal	50	5250	1	14.20	15.00	1.202	100	1.000	-0.08	0.354	0.426
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 4	Rec on Simultaneous	normal	50	5250	1	14.20	15.00	1.202	100	1.000	0.06	0.115	0.138
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 5+4	Rec on	normal	50	5250	1	19.40	21.00	1.445	100	1.000	-0.17	0.176	0.254
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 5+4	Rec on	normal	50	5250	1	19.40	21.00	1.445	100	1.000	0.14	0.153	0.221
27	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 5+4	Rec on	normal	50	5250	1	19.40	21.00	1.445	100	1.000	-0.11	0.769	1.112
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 5+4	Rec on	normal	50	5250	1	19.40	21.00	1.445	100	1.000	0.16	0.387	0.559
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	50	5250	1	17.34	18.00	1.164	100	1.000	-0.17	0.094	0.109
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	50	5250	1	17.34	18.00	1.164	100	1.000	0.1	0.083	0.097
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	50	5250	1	17.34	18.00	1.164	100	1.000	-0.04	0.388	0.452
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	50	5250	1	17.34	18.00	1.164	100	1.000	-0.12	0.158	0.184
28	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Rec on	normal	106	5530	1	18.65	20.50	1.531	100	1.000	0.14	0.754	1.154
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Rec on	normal	106	5530	2	18.65	20.50	1.531	100	1.000	0.05	0.698	1.069
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	Rec on	normal	106	5530	1	18.65	20.50	1.531	100	1.000	-0.02	0.115	0.176
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Rec on	normal	106	5530	1	18.65	20.50	1.531	100	1.000	0.1	0.217	0.332
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	Rec on	normal	106	5530	1	18.65	20.50	1.531	100	1.000	-0.07	0.184	0.282
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Rec on Simultaneous	normal	106	5530	1	15.64	17.00	1.368	100	1.000	0.02	0.294	0.402
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	Rec on Simultaneous	normal	106	5530	1	15.64	17.00	1.368	100	1.000	0.08	0.047	0.064
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Rec on Simultaneous	normal	106	5530	1	15.64	17.00	1.368	100	1.000	0.15	0.088	0.120
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	Rec on Simultaneous	normal	106	5530	1	15.64	17.00	1.368	100	1.000	0.01	0.075	0.103
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Rec on	normal	106	5530	1	12.58	14.00	1.387	100	1.000	-0.02	0.174	0.241
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Rec on	normal	106	5530	1	12.58	14.00	1.387	100	1.000	-0.06	0.163	0.226
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Rec on	normal	106	5530	1	12.58	14.00	1.387	100	1.000	-0.17	0.744	1.032
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Rec on	normal	106	5530	1	12.58	14.00	1.387	100	1.000	-0.09	0.287	0.398
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Rec on Simultaneous	normal	106	5530	1	10.65	11.50	1.216	100	1.000	-0.13	0.104	0.126
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Rec on Simultaneous	normal	106	5530	1	10.65	11.50	1.216	100	1.000	0.06	0.077	0.094
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Rec on Simultaneous	normal	106	5530	1	10.65	11.50	1.216	100	1.000	0.01	0.432	0.525
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Rec on Simultaneous	normal	106	5530	1	10.65	11.50	1.216	100	1.000	0.04	0.168	0.204
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4	Rec on	normal	106	5530	1	15.45	17.00	1.429	100	1.000	-0.03	0.174	0.249
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4	Rec on	normal	106	5530	1	15.45	17.00	1.429	100	1.000	-0.16	0.169	0.241
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4	Rec on	normal	106	5530	1	15.45	17.00	1.429	100	1.000	-0.17	0.783	1.119
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4	Rec on	normal	106	5530	1	15.45	17.00	1.429	100	1.000	-0.11	0.432	0.617
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	106	5530	1	13.55	14.50	1.245	100	1.000	0.11	0.123	0.153
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	106	5530	1	13.55	14.50	1.245	100	1.000	0.17	0.091	0.113
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	106	5530	1	13.55	14.50	1.245	100	1.000	-0.15	0.441	0.549
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	106	5530	1	13.55	14.50	1.245	100	1.000	0.01	0.191	0.238
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Rec on	normal	155	5775	1	18.55	20.00	1.396	100	1.000	-0.03	0.721	1.007
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	Rec on	normal	155	5775	1	18.55	20.00	1.396	100	1.000	-0.18	0.121	0.169
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Rec on	normal	155	5775	1	18.55	20.00	1.396	100	1.000	-0.17	0.221	0.309
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	Rec on	normal	155	5775	1	18.55	20.00	1.396	100	1.000	0.12	0.145	0.202
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Rec on Simultaneous	normal	155	5775	1	14.66	16.00	1.361	100	1.000	-0.05	0.284	0.387
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	Rec on Simultaneous	normal	155	5775	1	14.66	16.00	1.361	100	1.000	-0.15	0.047	0.064



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	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Rec on Simultaneous	normal	155	5775	1	14.66	16.00	1.361	100	1.000	0.12	0.083	0.113
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	Rec on Simultaneous	normal	155	5775	1	14.66	16.00	1.361	100	1.000	0.03	0.053	0.072
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Rec on	normal	155	5775	1	13.38	15.00	1.452	100	1.000	-0.14	0.121	0.176
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Rec on	normal	155	5775	1	13.38	15.00	1.452	100	1.000	0.19	0.098	0.142
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Rec on	normal	155	5775	1	13.38	15.00	1.452	100	1.000	0.06	0.684	0.993
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Rec on	normal	155	5775	1	13.38	15.00	1.452	100	1.000	0.17	0.217	0.315
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Rec on Simultaneous	normal	155	5775	1	10.74	12.00	1.337	100	1.000	-0.19	0.073	0.098
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Rec on Simultaneous	normal	155	5775	1	10.74	12.00	1.337	100	1.000	-0.07	0.053	0.071
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Rec on Simultaneous	normal	155	5775	1	10.74	12.00	1.337	100	1.000	-0.04	0.284	0.380
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Rec on Simultaneous	normal	155	5775	1	10.74	12.00	1.337	100	1.000	-0.14	0.117	0.156
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4	Rec on	normal	155	5775	1	16.38	18.00	1.452	100	1.000	0.01	0.213	0.309
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4	Rec on	normal	155	5775	1	16.38	18.00	1.452	100	1.000	-0.06	0.184	0.267
29	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4	Rec on	normal	155	5775	1	16.38	18.00	1.452	100	1.000	-0.05	0.769	1.117
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4	Rec on	normal	155	5775	1	16.38	18.00	1.452	100	1.000	-0.02	0.342	0.497
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	155	5775	1	13.88	15.00	1.294	100	1.000	0.07	0.121	0.157
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	155	5775	1	13.88	15.00	1.294	100	1.000	0.02	0.094	0.122
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4	Rec on Simultaneous	normal	155	5775	1	13.88	15.00	1.294	100	1.000	0.03	0.372	0.481
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4	Rec on Simultaneous	normal	155	5775	1	13.88	15.00	1.294	100	1.000	-0.12	0.185	0.239



14.2 Hotspot SAR

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)
750MHz																					
30	LTE Band 71	20M	QPSK	1	0	-	Front	10mm	Ant 0	State 8	133297	680.5	1	24.47	26.00	1.422	-	-	-0.06	0.253	0.360
	LTE Band 71	20M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	133297	680.5	1	24.47	26.00	1.422	-	-	0.08	0.367	0.522
	LTE Band 71	20M	QPSK	1	0	-	Left Side	10mm	Ant 0	State 8	133297	680.5	1	24.47	26.00	1.422	-	-	0.04	0.162	0.230
	LTE Band 71	20M	QPSK	1	0	-	Right Side	10mm	Ant 0	State 8	133297	680.5	1	24.47	26.00	1.422	-	-	-0.08	0.219	0.311
	LTE Band 71	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	State 8	133297	680.5	1	24.47	26.00	1.422	-	-	-0.02	0.224	0.319
	LTE Band 71	20M	QPSK	50	0	-	Front	10mm	Ant 0	State 8	133297	680.5	1	23.42	25.00	1.439	-	-	0.12	0.210	0.302
	LTE Band 71	20M	QPSK	50	0	-	Back	10mm	Ant 0	State 8	133297	680.5	1	23.42	25.00	1.439	-	-	-0.1	0.287	0.413
	LTE Band 71	20M	QPSK	50	0	-	Left Side	10mm	Ant 0	State 8	133297	680.5	1	23.42	25.00	1.439	-	-	0.03	0.118	0.170
	LTE Band 71	20M	QPSK	50	0	-	Right Side	10mm	Ant 0	State 8	133297	680.5	1	23.42	25.00	1.439	-	-	-0.08	0.175	0.252
	LTE Band 71	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 0	State 8	133297	680.5	1	23.42	25.00	1.439	-	-	-0.18	0.184	0.265
	LTE Band 71	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	133297	680.5	1	22.03	23.50	1.403	-	-	0.15	0.134	0.188
	LTE Band 71	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	133297	680.5	1	22.03	23.50	1.403	-	-	0.09	0.111	0.156
	LTE Band 71	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	133297	680.5	1	22.03	23.50	1.403	-	-	0.05	0.251	0.352
	LTE Band 71	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	133297	680.5	1	22.03	23.50	1.403	-	-	0.03	0.061	0.086
	LTE Band 71	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	133297	680.5	1	20.94	22.50	1.432	-	-	-0.02	0.102	0.146
	LTE Band 71	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	133297	680.5	1	20.94	22.50	1.432	-	-	0.11	0.094	0.135
	LTE Band 71	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	133297	680.5	1	20.94	22.50	1.432	-	-	-0.07	0.190	0.272
	LTE Band 71	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	133297	680.5	1	20.94	22.50	1.432	-	-	0.09	0.051	0.073
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	-	-	-0.09	0.035	0.046
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	-	-	0.03	0.044	0.058
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	-	-	0.02	0.011	0.014
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	-	-	-0.19	0.016	0.021
	FR1 n71	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	-	-	0.01	0.031	0.041
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	-	-	0.05	0.031	0.043
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	-	-	0.05	0.041	0.056
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	-	-	0.05	0.008	0.011
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	-	-	-0.06	0.012	0.017
	FR1 n71	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	-	-	0.05	0.026	0.036
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	136100	680.5	1	21.45	23.00	1.429	-	-	0.05	0.153	0.219
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	136100	680.5	1	21.45	23.00	1.429	-	-	0.01	0.114	0.163
31	FR1 n71	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	136100	680.5	1	21.45	23.00	1.429	-	-	0.09	0.257	0.367
	FR1 n71	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	136100	680.5	1	21.45	23.00	1.429	-	-	0.06	0.065	0.093
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	136100	680.5	1	21.44	23.00	1.432	-	-	0.19	0.139	0.199
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	136100	680.5	1	21.44	23.00	1.432	-	-	-0.02	0.106	0.152
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	136100	680.5	1	21.44	23.00	1.432	-	-	-0.13	0.217	0.311
	FR1 n71	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	136100	680.5	1	21.44	23.00	1.432	-	-	0.12	0.055	0.079
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 0	State 8	23095	707.5	1	24.57	26.00	1.390	-	-	-0.18	0.292	0.406
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	23095	707.5	1	24.57	26.00	1.390	-	-	-0.09	0.421	0.585
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 0	State 8	23095	707.5	1	24.57	26.00	1.390	-	-	-0.16	0.098	0.136
	LTE Band 12	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	State 8	23095	707.5	1	24.57	26.00	1.390	-	-	0.16	0.213	0.296
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	State 8	23095	707.5	1	24.57	26.00	1.390	-	-	0.09	0.277	0.385
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 0	State 8	23095	707.5	1	23.58	25.00	1.387	-	-	-0.18	0.238	0.330
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 0	State 8	23095	707.5	1	23.58	25.00	1.387	-	-	-0.05	0.327	0.453
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	State 8	23095	707.5	1	23.58	25.00	1.387	-	-	0.15	0.080	0.111
	LTE Band 12	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	State 8	23095	707.5	1	23.58	25.00	1.387	-	-	0.18	0.173	0.240
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	State 8	23095	707.5	1	23.58	25.00	1.387	-	-	-0.16	0.222	0.308
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	23095	707.5	1	22.63	24.00	1.371	-	-	-0.06	0.182	0.250
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	23095	707.5	1	22.63	24.00	1.371	-	-	0.19	0.133	0.182
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	23095	707.5	1	22.63	24.00	1.371	-	-	0.05	0.286	0.392
	LTE Band 12	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	23095	707.5	1	22.63	24.00	1.371	-	-	-0.15	0.007	0.010



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	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	23095	707.5	1	21.65	23.00	1.365	-	-	0.12	0.151	0.206
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	23095	707.5	1	21.65	23.00	1.365	-	-	-0.13	0.110	0.150
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	23095	707.5	1	21.65	23.00	1.365	-	-	-0.1	0.228	0.311
	LTE Band 12	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	23095	707.5	1	21.65	23.00	1.365	-	-	0.03	0.005	0.007
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	State 8	141500	707.5	1	24.45	26.00	1.429	-	-	-0.07	0.274	0.392
33	FR1 n12	15M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	State 8	141500	707.5	1	24.45	26.00	1.429	-	-	0.18	0.385	0.550
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	State 8	141500	707.5	1	24.45	26.00	1.429	-	-	-0.03	0.069	0.099
	FR1 n12	15M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 0	State 8	141500	707.5	1	24.45	26.00	1.429	-	-	0.1	0.230	0.329
	FR1 n12	15M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	State 8	141500	707.5	1	24.45	26.00	1.429	-	-	-0.11	0.260	0.372
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	10mm	Ant 0	State 8	141500	707.5	1	24.26	26.00	1.493	-	-	0.11	0.265	0.396
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	10mm	Ant 0	State 8	141500	707.5	1	24.26	26.00	1.493	-	-	-0.11	0.331	0.494
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Side	10mm	Ant 0	State 8	141500	707.5	1	24.26	26.00	1.493	-	-	-0.04	0.064	0.096
	FR1 n12	15M	QPSK	36	22	DFT-15	Right Side	10mm	Ant 0	State 8	141500	707.5	1	24.26	26.00	1.493	-	-	-0.08	0.225	0.336
	FR1 n12	15M	QPSK	36	22	DFT-15	Bottom Side	10mm	Ant 0	State 8	141500	707.5	1	24.26	26.00	1.493	-	-	-0.19	0.243	0.363
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	141500	707.5	1	21.35	23.00	1.462	-	-	-0.16	0.149	0.218
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	141500	707.5	1	21.35	23.00	1.462	-	-	0.17	0.114	0.167
	FR1 n12	15M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	141500	707.5	1	21.35	23.00	1.462	-	-	-0.05	0.284	0.415
	FR1 n12	15M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	141500	707.5	1	21.35	23.00	1.462	-	-	0.01	0.008	0.012
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	10mm	Ant 2	State 8	141500	707.5	1	21.31	23.00	1.476	-	-	-0.17	0.139	0.205
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	10mm	Ant 2	State 8	141500	707.5	1	21.31	23.00	1.476	-	-	0.03	0.106	0.156
	FR1 n12	15M	QPSK	36	22	DFT-15	Left Side	10mm	Ant 2	State 8	141500	707.5	1	21.31	23.00	1.476	-	-	-0.1	0.229	0.338
	FR1 n12	15M	QPSK	36	22	DFT-15	Top Side	10mm	Ant 2	State 8	141500	707.5	1	21.31	23.00	1.476	-	-	0.19	0.007	0.010
835MHz																					
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	10mm	Ant 0	State 8	251	848.8	1	28.93	30.50	1.435	-	-	-0.05	0.357	0.512
34	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	10mm	Ant 0	State 8	251	848.8	1	28.93	30.50	1.435	-	-	0.09	0.414	0.594
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Left Side	10mm	Ant 0	State 8	251	848.8	1	28.93	30.50	1.435	-	-	-0.01	0.053	0.076
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Right Side	10mm	Ant 0	State 8	251	848.8	1	28.93	30.50	1.435	-	-	0.02	0.097	0.139
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Bottom Side	10mm	Ant 0	State 8	251	848.8	1	28.93	30.50	1.435	-	-	0.07	0.284	0.408
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	State 8	4182	836.4	1	23.48	24.50	1.265	-	-	0.08	0.335	0.424
35	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	State 8	4182	836.4	1	23.48	24.50	1.265	-	-	0.02	0.458	0.579
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 0	State 8	4182	836.4	1	23.48	24.50	1.265	-	-	-0.17	0.101	0.128
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 0	State 8	4182	836.4	1	23.48	24.50	1.265	-	-	0.02	0.114	0.144
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	State 8	4182	836.4	1	23.48	24.50	1.265	-	-	-0.11	0.301	0.381
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	State 8	4182	836.4	1	22.37	23.50	1.297	-	-	0.18	0.201	0.261
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	State 8	4182	836.4	1	22.37	23.50	1.297	-	-	0.17	0.146	0.189
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 2	State 8	4182	836.4	1	22.37	23.50	1.297	-	-	0.13	0.292	0.379
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 2	State 8	4182	836.4	1	22.37	23.50	1.297	-	-	0.05	0.005	0.006
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 0	State 8	26865	831.5	1	24.30	26.00	1.479	-	-	0.01	0.372	0.550
36	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	26865	831.5	1	24.30	26.00	1.479	-	-	-0.13	0.464	0.686
	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	26865	831.5	2	24.30	26.00	1.479	-	-	0.06	0.431	0.637
	LTE Band 5B	10M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	20575 +20476	841.5 +831.6	1	24.19	26.00	1.517	-	-	0.03	0.421	0.639
	LTE Band 26	15M	QPSK	1	0	-	Left Side	10mm	Ant 0	State 8	26865	831.5	1	24.30	26.00	1.479	-	-	0.06	0.071	0.105
	LTE Band 26	15M	QPSK	1	0	-	Right Side	10mm	Ant 0	State 8	26865	831.5	1	24.30	26.00	1.479	-	-	-0.18	0.106	0.157
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	State 8	26865	831.5	1	24.30	26.00	1.479	-	-	0.07	0.360	0.532
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 0	State 8	26865	831.5	1	23.32	25.00	1.472	-	-	-0.06	0.316	0.465
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 0	State 8	26865	831.5	1	23.32	25.00	1.472	-	-	0.19	0.345	0.508
	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 0	State 8	26865	831.5	1	23.32	25.00	1.472	-	-	0.12	0.060	0.088
	LTE Band 26	15M	QPSK	36	0	-	Right Side	10mm	Ant 0	State 8	26865	831.5	1	23.32	25.00	1.472	-	-	-0.11	0.090	0.133
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	10mm	Ant 0	State 8	26865	831.5	1	23.32	25.00	1.472	-	-	0.15	0.307	0.452
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	26865	831.5	1	21.38	23.00	1.452	-	-	0.06	0.142	0.206
	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	26865	831.5	1	21.38	23.00	1.452	-	-	0.03	0.099	0.144
	LTE Band 26	15M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	26865	831.5	1	21.38	23.00	1.452	-	-	-0.05	0.218	0.317
	LTE Band 5B	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	20575 +20476	841.5 +831.6	1	21.12	23.00	1.542	-	-	0.02	0.199	0.307
	LTE Band 26	15M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	26865	831.5	1	21.38	23.00	1.452	-	-	0.02	0.004	0.006



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	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 2	State 8	26865	831.5	1	20.34	22.00	1.466	-	-	0.08	0.121	0.177
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 2	State 8	26865	831.5	1	20.34	22.00	1.466	-	-	-0.01	0.082	0.120
	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 2	State 8	26865	831.5	1	20.34	22.00	1.466	-	-	0.02	0.154	0.226
	LTE Band 26	15M	QPSK	36	0	-	Top Side	10mm	Ant 2	State 8	26865	831.5	1	20.34	22.00	1.466	-	-	0.03	0.003	0.004
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	State 8	166300	831.5	1	24.77	26.00	1.327	-	-	0.01	0.199	0.264
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	State 8	166300	831.5	1	24.77	26.00	1.327	-	-	0.06	0.341	0.453
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	State 8	166300	831.5	1	24.77	26.00	1.327	-	-	0.07	0.046	0.061
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 0	State 8	166300	831.5	1	24.77	26.00	1.327	-	-	0.1	0.066	0.088
	FR1 n26	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	State 8	166300	831.5	1	24.77	26.00	1.327	-	-	-0.11	0.190	0.252
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	State 8	166300	831.5	1	24.32	26.00	1.472	-	-	0.04	0.174	0.256
37	FR1 n26	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	State 8	166300	831.5	1	24.32	26.00	1.472	-	-	-0.04	0.388	0.571
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 0	State 8	166300	831.5	1	24.32	26.00	1.472	-	-	0.19	0.041	0.060
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 0	State 8	166300	831.5	1	24.32	26.00	1.472	-	-	-0.13	0.059	0.087
	FR1 n26	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	State 8	166300	831.5	1	24.32	26.00	1.472	-	-	0.05	0.160	0.236
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	166300	831.5	1	21.67	23.00	1.358	-	-	-0.19	0.161	0.219
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	166300	831.5	1	21.67	23.00	1.358	-	-	0.07	0.119	0.162
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	166300	831.5	1	21.67	23.00	1.358	-	-	-0.03	0.226	0.307
	FR1 n26	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	166300	831.5	1	21.67	23.00	1.358	-	-	0.04	0.008	0.011
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	166300	831.5	1	21.65	23.00	1.365	-	-	0.02	0.151	0.206
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	166300	831.5	1	21.65	23.00	1.365	-	-	-0.15	0.107	0.146
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	166300	831.5	1	21.65	23.00	1.365	-	-	0.17	0.201	0.274
	FR1 n26	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	166300	831.5	1	21.65	23.00	1.365	-	-	0.19	0.007	0.010
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	State 8	1413	1732.6	1	25.04	26.00	1.247	-	-	-0.09	0.346	0.432
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	State 8	1413	1732.6	1	25.04	26.00	1.247	-	-	0.11	0.373	0.465
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	State 8	1413	1732.6	1	25.04	26.00	1.247	-	-	0.06	0.371	0.463
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	State 8	1413	1732.6	1	25.04	26.00	1.247	-	-	-0.19	0.693	0.864
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	State 8	1312	1712.4	1	24.84	26.00	1.306	-	-	-0.05	0.650	0.849
38	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	State 8	1513	1752.6	1	24.81	26.00	1.315	-	-	0.05	0.775	1.019
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	State 8	1413	1732.6	1	22.37	23.50	1.297	-	-	-0.02	0.067	0.087
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	State 8	1413	1732.6	1	22.37	23.50	1.297	-	-	-0.14	0.053	0.069
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 2	State 8	1413	1732.6	1	22.37	23.50	1.297	-	-	0.14	0.124	0.161
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 2	State 8	1413	1732.6	1	22.37	23.50	1.297	-	-	0.01	0.038	0.049
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	132322	1745	1	25.01	26.00	1.256	-	-	-0.14	0.374	0.470
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	132322	1745	1	25.01	26.00	1.256	-	-	-0.17	0.397	0.499
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	132322	1745	1	25.01	26.00	1.256	-	-	-0.01	0.445	0.559
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	132322	1745	1	25.01	26.00	1.256	-	-	0.12	0.745	0.936
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	132072	1720	1	24.98	26.00	1.265	-	-	0.07	0.823	1.041
39	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	132572	1770	1	24.87	26.00	1.297	-	-	-0.15	0.889	1.153
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	132322 +132520	1745 +1764.8	1	24.85	26.00	1.303	-	-	0.05	0.715	0.932
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	132322	1745	1	24.00	25.00	1.259	-	-	0.12	0.301	0.379
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	132322	1745	1	24.00	25.00	1.259	-	-	0.19	0.326	0.410
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	132322	1745	1	24.00	25.00	1.259	-	-	0.03	0.362	0.456
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	132322	1745	1	24.00	25.00	1.259	-	-	-0.11	0.658	0.828
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	132072	1720	1	23.96	25.00	1.271	-	-	0.02	0.734	0.933
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	132572	1770	1	23.88	25.00	1.294	-	-	-0.05	0.754	0.976
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	State 8	132322	1745	1	23.95	25.00	1.274	-	-	0.05	0.566	0.721
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	132322	1745	1	23.09	24.00	1.233	-	-	-0.19	0.082	0.101
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	132322	1745	1	23.09	24.00	1.233	-	-	-0.1	0.061	0.075
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	132322	1745	1	23.09	24.00	1.233	-	-	0.02	0.138	0.170
	LTE Band 66C	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	132322 +132520	1745 +1764.8	1	22.92	24.00	1.282	-	-	0.06	0.119	0.153
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	132322	1745	1	23.09	24.00	1.233	-	-	-0.15	0.052	0.064
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	132322	1745	1	22.08	23.00	1.236	-	-	-0.03	0.062	0.077
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	132322	1745	1	22.08	23.00	1.236	-	-	0.06	0.051	0.063
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	132322	1745	1	22.08	23.00	1.236	-	-	-0.03	0.108	0.133



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	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	132322	1745	1	22.08	23.00	1.236	-	-	0.15	0.041	0.051
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 7	State 8	132322	1745	1	17.48	19.00	1.419	-	-	0.19	0.030	0.043
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 7	State 8	132322	1745	1	17.48	19.00	1.419	-	-	0.11	0.082	0.116
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	State 8	132322	1745	1	17.48	19.00	1.419	-	-	0.07	0.015	0.021
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	State 8	132322	1745	1	17.48	19.00	1.419	-	-	0.07	0.025	0.035
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 7	State 8	132322	1745	1	16.33	18.00	1.469	-	-	0.06	0.024	0.035
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 7	State 8	132322	1745	1	16.33	18.00	1.469	-	-	0.05	0.061	0.090
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	State 8	132322	1745	1	16.33	18.00	1.469	-	-	-0.13	0.011	0.016
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	State 8	132322	1745	1	16.33	18.00	1.469	-	-	-0.12	0.017	0.025
	FR1 n66	30M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	State 8	349000	1745	1	24.87	26.00	1.297	-	-	-0.04	0.340	0.441
	FR1 n66	30M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	State 8	349000	1745	1	24.87	26.00	1.297	-	-	-0.03	0.350	0.454
	FR1 n66	30M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	State 8	349000	1745	1	24.87	26.00	1.297	-	-	-0.14	0.380	0.493
40	FR1 n66	30M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	349000	1745	1	24.87	26.00	1.297	-	-	0.13	0.767	0.995
	FR1 n66	30M	QPSK	80	40	DFT-15	Front	10mm	Ant 1	State 8	349000	1745	1	24.85	26.00	1.303	-	-	0.18	0.325	0.424
	FR1 n66	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 1	State 8	349000	1745	1	24.85	26.00	1.303	-	-	-0.08	0.341	0.444
	FR1 n66	30M	QPSK	80	40	DFT-15	Left Side	10mm	Ant 1	State 8	349000	1745	1	24.85	26.00	1.303	-	-	0.11	0.361	0.470
	FR1 n66	30M	QPSK	80	40	DFT-15	Bottom Side	10mm	Ant 1	State 8	349000	1745	1	24.85	26.00	1.303	-	-	0.18	0.712	0.928
	FR1 n66	30M	QPSK	160	0	DFT-15	Bottom Side	10mm	Ant 1	State 8	349000	1745	1	23.69	25.00	1.352	-	-	0.05	0.598	0.809
	FR1 n66	30M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	349000	1745	1	24.00	25.00	1.259	-	-	-0.04	0.082	0.103
	FR1 n66	30M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	349000	1745	1	24.00	25.00	1.259	-	-	-0.08	0.068	0.086
	FR1 n66	30M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	349000	1745	1	24.00	25.00	1.259	-	-	0.01	0.230	0.290
	FR1 n66	30M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	349000	1745	1	24.00	25.00	1.259	-	-	0.15	0.052	0.065
	FR1 n66	30M	QPSK	80	40	DFT-15	Front	10mm	Ant 2	State 8	349000	1745	1	23.98	25.00	1.265	-	-	-0.11	0.075	0.095
	FR1 n66	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 2	State 8	349000	1745	1	23.98	25.00	1.265	-	-	0.15	0.064	0.081
	FR1 n66	30M	QPSK	80	40	DFT-15	Left Side	10mm	Ant 2	State 8	349000	1745	1	23.98	25.00	1.265	-	-	0.08	0.210	0.266
	FR1 n66	30M	QPSK	80	40	DFT-15	Top Side	10mm	Ant 2	State 8	349000	1745	1	23.98	25.00	1.265	-	-	-0.06	0.048	0.061
	FR1 n66	30M	QPSK	1	1	DFT-15	Front	10mm	Ant 7	State 8	349000	1745	1	19.25	20.50	1.334	-	-	0.07	0.042	0.056
	FR1 n66	30M	QPSK	1	1	DFT-15	Back	10mm	Ant 7	State 8	349000	1745	1	19.25	20.50	1.334	-	-	-0.08	0.062	0.083
	FR1 n66	30M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 7	State 8	349000	1745	1	19.25	20.50	1.334	-	-	0.17	0.008	0.011
	FR1 n66	30M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 7	State 8	349000	1745	1	19.25	20.50	1.334	-	-	0.14	0.036	0.048
	FR1 n66	30M	QPSK	80	40	DFT-15	Front	10mm	Ant 7	State 8	349000	1745	1	19.21	20.50	1.346	-	-	0.19	0.039	0.052
	FR1 n66	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 7	State 8	349000	1745	1	19.21	20.50	1.346	-	-	0.09	0.057	0.077
	FR1 n66	30M	QPSK	80	40	DFT-15	Left Side	10mm	Ant 7	State 8	349000	1745	1	19.21	20.50	1.346	-	-	-0.09	0.006	0.008
	FR1 n66	30M	QPSK	80	40	DFT-15	Top Side	10mm	Ant 7	State 8	349000	1745	1	19.21	20.50	1.346	-	-	0.17	0.034	0.046
1900MHz																					
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Front	10mm	Ant 1	State 8	810	1909.8	1	28.03	29.50	1.403	-	-	0.11	0.184	0.258
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Back	10mm	Ant 1	State 8	810	1909.8	1	28.03	29.50	1.403	-	-	0.05	0.201	0.282
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Left Side	10mm	Ant 1	State 8	810	1909.8	1	28.03	29.50	1.403	-	-	0.01	0.221	0.310
41	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Bottom Side	10mm	Ant 1	State 8	810	1909.8	1	28.03	29.50	1.403	-	-	0.13	0.790	1.108
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Bottom Side	10mm	Ant 1	State 8	512	1909.8	1	27.56	29.50	1.563	-	-	-0.16	0.554	0.866
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Bottom Side	10mm	Ant 1	State 8	661	1909.8	1	27.84	29.50	1.466	-	-	-0.07	0.632	0.926
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 1	State 8	9262	1852.4	1	21.32	22.50	1.312	-	-	-0.07	0.277	0.363
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 1	State 8	9262	1852.4	1	21.32	22.50	1.312	-	-	-0.06	0.302	0.396
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 1	State 8	9262	1852.4	1	21.32	22.50	1.312	-	-	0.17	0.331	0.434
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	State 8	9262	1852.4	1	21.32	22.50	1.312	-	-	0.06	0.715	0.938
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	State 8	9400	1880	1	21.14	22.50	1.368	-	-	-0.14	0.774	1.059
42	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	State 8	9538	1907.6	1	21.28	22.50	1.324	-	-	-0.18	0.892	1.181
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	State 8	9538	1907.6	2	21.28	22.50	1.324	-	-	-0.18	0.718	0.951
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 2	State 8	9262	1852.4	1	22.52	23.50	1.253	-	-	0.13	0.069	0.086
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 2	State 8	9262	1852.4	1	22.52	23.50	1.253	-	-	-0.11	0.056	0.070
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 2	State 8	9262	1852.4	1	22.52	23.50	1.253	-	-	-0.17	0.120	0.150
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 2	State 8	9262	1852.4	1	22.52	23.50	1.253	-	-	-0.15	0.041	0.051
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	26340	1880	1	21.53	22.50	1.250	-	-	-0.12	0.261	0.326
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	26340	1880	1	21.53	22.50	1.250	-	-	0.16	0.243	0.304
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	26340	1880	1	21.53	22.50	1.250	-	-	0.01	0.275	0.344



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	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	26340	1880	1	21.53	22.50	1.250	-	-	0.04	0.684	0.855
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	26140	1860	1	21.32	22.50	1.312	-	-	-0.04	0.653	0.857
43	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	26590	1905	1	21.37	22.50	1.297	-	-	0.08	0.799	1.036
	LTE Band 2C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	18900 +19098	1880 +1899.8	1	21.26	22.50	1.330	-	-	0.03	0.763	1.015
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	26340	1880	1	20.49	21.50	1.262	-	-	0.09	0.194	0.245
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	26340	1880	1	20.49	21.50	1.262	-	-	0.08	0.179	0.226
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	26340	1880	1	20.49	21.50	1.262	-	-	0.15	0.214	0.270
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	26340	1880	1	20.49	21.50	1.262	-	-	0.16	0.574	0.724
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	State 8	26340	1880	1	20.52	21.50	1.253	-	-	0.05	0.583	0.731
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	26340	1880	1	23.62	24.50	1.225	-	-	-0.17	0.084	0.103
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	26340	1880	1	23.62	24.50	1.225	-	-	-0.03	0.070	0.086
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	26340	1880	1	23.62	24.50	1.225	-	-	-0.11	0.135	0.165
	LTE Band 2C	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	18900 +19098	1880 +1899.8	1	23.19	24.50	1.352	-	-	0.06	0.052	0.070
	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	26340	1880	1	23.62	24.50	1.225	-	-	0.08	0.045	0.055
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	26340	1880	1	22.60	23.50	1.230	-	-	0.07	0.069	0.085
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	26340	1880	1	22.60	23.50	1.230	-	-	-0.15	0.054	0.066
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	26340	1880	1	22.60	23.50	1.230	-	-	0.11	0.086	0.106
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	26340	1880	1	22.60	23.50	1.230	-	-	-0.16	0.034	0.042
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 7	State 8	26340	1880	1	16.66	18.00	1.361	-	-	0.19	0.053	0.072
	LTE Band 25	20M	QPSK	1	0	-	Back	10mm	Ant 7	State 8	26340	1880	1	16.66	18.00	1.361	-	-	-0.19	0.108	0.147
	LTE Band 25	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	State 8	26340	1880	1	16.66	18.00	1.361	-	-	0.08	0.026	0.035
	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	State 8	26340	1880	1	16.66	18.00	1.361	-	-	-0.15	0.038	0.052
	LTE Band 25	20M	QPSK	50	0	-	Front	10mm	Ant 7	State 8	26340	1880	1	15.49	17.00	1.416	-	-	-0.17	0.044	0.062
	LTE Band 25	20M	QPSK	50	0	-	Back	10mm	Ant 7	State 8	26340	1880	1	15.49	17.00	1.416	-	-	-0.03	0.064	0.091
	LTE Band 25	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	State 8	26340	1880	1	15.49	17.00	1.416	-	-	-0.11	0.023	0.033
	LTE Band 25	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	State 8	26340	1880	1	15.49	17.00	1.416	-	-	0.03	0.032	0.045
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	State 8	376500	1882.5	1	22.08	23.00	1.236	-	-	0.19	0.274	0.339
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	State 8	376500	1882.5	1	22.08	23.00	1.236	-	-	-0.19	0.324	0.400
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	State 8	376500	1882.5	1	22.08	23.00	1.236	-	-	0.08	0.325	0.402
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	376500	1882.5	1	22.08	23.00	1.236	-	-	-0.03	0.841	1.039
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	372000	1860	1	22.00	23.00	1.259	-	-	-0.05	0.794	1.000
44	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	381000	1905	1	22.02	23.00	1.253	-	-	0.17	0.942	1.180
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	State 8	376500	1882.5	1	22.05	23.00	1.245	-	-	0.03	0.276	0.343
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	State 8	376500	1882.5	1	22.05	23.00	1.245	-	-	-0.02	0.317	0.395
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	State 8	376500	1882.5	1	22.05	23.00	1.245	-	-	-0.17	0.318	0.396
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	376500	1882.5	1	22.05	23.00	1.245	-	-	-0.06	0.814	1.013
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	372000	1860	1	21.96	23.00	1.271	-	-	0.03	0.801	1.018
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	381000	1905	1	21.97	23.00	1.268	-	-	0.07	0.894	1.133
	FR1 n25	20M	QPSK	100	0	DFT-15	Bottom Side	10mm	Ant 1	State 8	376500	1882.5	1	22.02	23.00	1.253	-	-	-0.06	0.657	0.823
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	376500	1882.5	1	23.09	24.00	1.233	-	-	-0.11	0.075	0.092
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	376500	1882.5	1	23.09	24.00	1.233	-	-	0.07	0.051	0.063
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	376500	1882.5	1	23.09	24.00	1.233	-	-	0.03	0.165	0.203
	FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	376500	1882.5	1	23.09	24.00	1.233	-	-	0.08	0.034	0.042
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	376500	1882.5	1	22.91	24.00	1.285	-	-	0.04	0.064	0.082
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	376500	1882.5	1	22.91	24.00	1.285	-	-	0.19	0.049	0.063
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	376500	1882.5	1	22.91	24.00	1.285	-	-	0.19	0.112	0.144
	FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	376500	1882.5	1	22.91	24.00	1.285	-	-	0.11	0.032	0.041
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 7	State 8	376500	1882.5	1	17.30	18.00	1.175	-	-	0.18	0.055	0.065
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 7	State 8	376500	1882.5	1	17.30	18.00	1.175	-	-	0.07	0.072	0.085
	FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 7	State 8	376500	1882.5	1	17.30	18.00	1.175	-	-	-0.08	0.029	0.034
	FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 7	State 8	376500	1882.5	1	17.30	18.00	1.175	-	-	-0.1	0.040	0.047
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 7	State 8	376500	1882.5	1	17.21	18.00	1.199	-	-	0.06	0.054	0.065
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 7	State 8	376500	1882.5	1	17.21	18.00	1.199	-	-	-0.11	0.067	0.080
	FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 7	State 8	376500	1882.5	1	17.21	18.00	1.199	-	-	0.13	0.027	0.032
	FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 7	State 8	376500	1882.5	1	17.21	18.00	1.199	-	-	0.06	0.037	0.044
2300MHz																					



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Report No. : FA2D3005

	LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	-	-	-0.13	0.117	0.135
	LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	-	-	0.12	0.131	0.151
	LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	-	-	-0.11	0.108	0.125
45	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	-	-	0.01	0.523	0.603
	LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	-	-	-0.17	0.091	0.106
	LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	-	-	-0.05	0.099	0.116
	LTE Band 30	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	-	-	0.15	0.095	0.111
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	-	-	0.17	0.379	0.443
	LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	27710	2310	1	22.88	23.50	1.153	-	-	-0.06	0.070	0.081
	LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	27710	2310	1	22.88	23.50	1.153	-	-	0.18	0.077	0.089
	LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	27710	2310	1	22.88	23.50	1.153	-	-	-0.09	0.134	0.155
	LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	27710	2310	1	22.88	23.50	1.153	-	-	0.02	0.012	0.014
	LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	27710	2310	1	21.82	22.50	1.169	-	-	0.04	0.054	0.063
	LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	27710	2310	1	21.82	22.50	1.169	-	-	0.04	0.060	0.070
	LTE Band 30	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	27710	2310	1	21.82	22.50	1.169	-	-	0.11	0.115	0.134
	LTE Band 30	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	27710	2310	1	21.82	22.50	1.169	-	-	-0.11	0.009	0.011
	LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 7	State 8	27710	2310	1	17.86	19.50	1.459	-	-	-0.16	0.051	0.074
	LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 7	State 8	27710	2310	1	17.86	19.50	1.459	-	-	-0.04	0.043	0.063
	LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 7	State 8	27710	2310	1	17.86	19.50	1.459	-	-	0.05	0.006	0.009
	LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 7	State 8	27710	2310	1	17.86	19.50	1.459	-	-	-0.1	0.048	0.070
	LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 7	State 8	27710	2310	1	16.81	18.50	1.476	-	-	0.02	0.049	0.072
	LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 7	State 8	27710	2310	1	16.81	18.50	1.476	-	-	-0.05	0.031	0.046
	LTE Band 30	10M	QPSK	25	0	-	Left Side	10mm	Ant 7	State 8	27710	2310	1	16.81	18.50	1.476	-	-	-0.02	0.004	0.006
	LTE Band 30	10M	QPSK	25	0	-	Top Side	10mm	Ant 7	State 8	27710	2310	1	16.81	18.50	1.476	-	-	-0.09	0.046	0.068
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	State 8	462000	2310	1	21.40	22.50	1.288	-	-	0.01	0.098	0.126
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	State 8	462000	2310	1	21.40	22.50	1.288	-	-	-0.13	0.113	0.146
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	State 8	462000	2310	1	21.40	22.50	1.288	-	-	0.09	0.097	0.125
46	FR1 n30	10M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	462000	2310	1	21.40	22.50	1.288	-	-	-0.01	0.279	0.359
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 1	State 8	462000	2310	1	21.36	22.50	1.300	-	-	0.16	0.091	0.118
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 1	State 8	462000	2310	1	21.36	22.50	1.300	-	-	0.15	0.112	0.146
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	10mm	Ant 1	State 8	462000	2310	1	21.36	22.50	1.300	-	-	0.04	0.093	0.121
	FR1 n30	10M	QPSK	25	14	DFT-15	Bottom Side	10mm	Ant 1	State 8	462000	2310	1	21.36	22.50	1.300	-	-	0.13	0.266	0.346
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	462000	2310	1	21.40	22.50	1.288	-	-	0.11	0.072	0.093
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	462000	2310	1	21.40	22.50	1.288	-	-	-0.05	0.079	0.102
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	462000	2310	1	21.40	22.50	1.288	-	-	0.05	0.148	0.191
	FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	462000	2310	1	21.40	22.50	1.288	-	-	0.07	0.018	0.023
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 2	State 8	462000	2310	1	21.36	22.50	1.300	-	-	0.16	0.070	0.091
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 2	State 8	462000	2310	1	21.36	22.50	1.300	-	-	-0.18	0.077	0.100
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	10mm	Ant 2	State 8	462000	2310	1	21.36	22.50	1.300	-	-	-0.05	0.147	0.191
	FR1 n30	10M	QPSK	25	14	DFT-15	Top Side	10mm	Ant 2	State 8	462000	2310	1	21.36	22.50	1.300	-	-	-0.16	0.016	0.021
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 7	State 8	462000	2310	1	17.42	19.00	1.439	-	-	0.17	0.059	0.085
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 7	State 8	462000	2310	1	17.42	19.00	1.439	-	-	-0.1	0.045	0.065
	FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 7	State 8	462000	2310	1	17.42	19.00	1.439	-	-	0.05	0.020	0.029
	FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 7	State 8	462000	2310	1	17.42	19.00	1.439	-	-	-0.02	0.047	0.068
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 7	State 8	462000	2310	1	17.41	19.00	1.442	-	-	-0.15	0.056	0.081
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 7	State 8	462000	2310	1	17.41	19.00	1.442	-	-	-0.17	0.040	0.058
	FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	10mm	Ant 7	State 8	462000	2310	1	17.41	19.00	1.442	-	-	0.03	0.018	0.026
	FR1 n30	10M	QPSK	25	14	DFT-15	Top Side	10mm	Ant 7	State 8	462000	2310	1	17.41	19.00	1.442	-	-	-0.01	0.041	0.059
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	-	-	-0.15	0.231	0.285
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	-	-	0.18	0.284	0.350
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	-	-	0.12	0.153	0.189
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	-	-	-0.18	0.712	0.878
47	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	20850	2510	1	20.87	22.00	1.297	-	-	-0.01	0.873	1.132
	LTE Band 7C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	20850 +21048	2510 +2529.8	1	17.79	19.50	1.483	-	-	-0.06	0.393	0.583
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	21350	2560	1	20.85	22.00	1.303	-	-	-0.01	0.684	0.891



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Report No. : FA2D3005

	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	-	-	0.09	0.175	0.220
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	-	-	0.04	0.231	0.291
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	-	-	0.19	0.124	0.156
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	-	-	-0.14	0.497	0.626
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	1	19.89	21.00	1.291	-	-	-0.02	0.509	0.657
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	21100	2535	1	16.10	17.00	1.230	-	-	-0.11	0.027	0.033
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	21100	2535	1	16.10	17.00	1.230	-	-	0.01	0.063	0.078
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	21100	2535	1	16.10	17.00	1.230	-	-	0.1	0.148	0.182
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	21100	2535	1	16.10	17.00	1.230	-	-	-0.03	0.021	0.026
	LTE Band 7C	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	21100 +21298	2535 +2554	1	15.83	17.00	1.309	-	-	0.02	0.121	0.158
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	21100	2535	1	15.03	16.00	1.250	-	-	-0.08	0.021	0.026
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	21100	2535	1	15.03	16.00	1.250	-	-	-0.03	0.053	0.066
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	21100	2535	1	15.03	16.00	1.250	-	-	0.06	0.124	0.155
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	21100	2535	1	15.03	16.00	1.250	-	-	-0.19	0.011	0.014
	FR1 n7	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	State 8	507000	2535	1	21.10	22.00	1.230	-	-	-0.08	0.223	0.274
	FR1 n7	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	State 8	507000	2535	1	21.10	22.00	1.230	-	-	0.06	0.317	0.390
	FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	State 8	507000	2535	1	21.10	22.00	1.230	-	-	-0.19	0.175	0.215
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	507000	2535	1	21.10	22.00	1.230	-	-	0.05	0.705	0.867
48	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	502000	2510	1	21.08	22.00	1.236	-	-	0.09	0.956	1.182
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	502000	2510	2	21.08	22.00	1.236	-	-	0.02	0.914	1.130
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	512000	2560	1	20.78	22.00	1.324	-	-	0.03	0.851	1.127
	FR1 n7	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	State 8	507000	2535	1	20.95	22.00	1.274	-	-	0.01	0.214	0.273
	FR1 n7	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	State 8	507000	2535	1	20.95	22.00	1.274	-	-	-0.07	0.305	0.388
	FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	State 8	507000	2535	1	20.95	22.00	1.274	-	-	-0.02	0.153	0.195
	FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	507000	2535	1	20.95	22.00	1.274	-	-	0.19	0.684	0.871
	FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	502000	2510	1	20.91	22.00	1.285	-	-	-0.19	0.913	1.173
	FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	512000	2560	1	20.93	22.00	1.279	-	-	-0.09	0.653	0.835
	FR1 n7	20M	QPSK	100	0	DFT-15	Bottom Side	10mm	Ant 1	State 8	507000	2535	1	20.70	22.00	1.349	-	-	-0.15	0.584	0.788
	FR1 n7	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	507000	2535	1	16.69	17.50	1.205	-	-	-0.07	0.053	0.064
	FR1 n7	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	507000	2535	1	16.69	17.50	1.205	-	-	0.15	0.080	0.096
	FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	507000	2535	1	16.69	17.50	1.205	-	-	0.07	0.173	0.208
	FR1 n7	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	507000	2535	1	16.69	17.50	1.205	-	-	-0.17	0.017	0.020
	FR1 n7	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	507000	2535	1	16.67	17.50	1.211	-	-	0.02	0.049	0.059
	FR1 n7	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	507000	2535	1	16.67	17.50	1.211	-	-	-0.14	0.079	0.096
	FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	507000	2535	1	16.67	17.50	1.211	-	-	0.01	0.170	0.206
	FR1 n7	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	507000	2535	1	16.67	17.50	1.211	-	-	-0.02	0.017	0.021
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	41055	2636.5	1	23.17	24.00	1.211	62.9	1.006	-0.02	0.174	0.212
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	41055	2636.5	1	23.17	24.00	1.211	62.9	1.006	-0.16	0.203	0.247
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	41055	2636.5	1	23.17	24.00	1.211	62.9	1.006	0.15	0.153	0.186
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	41055	2636.5	1	23.17	24.00	1.211	62.9	1.006	-0.15	0.584	0.711
49	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	39750	2506	1	22.80	24.00	1.318	62.9	1.006	-0.18	0.762	1.011
	LTE Band 41C	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	39750 +39948	2506 +2525.8	1	18.80	20.50	1.479	62.9	1.006	-0.06	0.302	0.449
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	40185	2549.5	1	23.04	24.00	1.247	62.9	1.006	0.11	0.632	0.793
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	40620	2593	1	22.97	24.00	1.268	62.9	1.006	-0.01	0.597	0.761
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	41490	2680	1	22.83	24.00	1.309	62.9	1.006	0.06	0.484	0.637
	LTE Band 41PC2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	39750	2506	1	24.98	25.50	1.127	42.9	1.009	-0.06	0.777	0.884
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	41055	2636.5	1	22.20	23.00	1.202	62.9	1.006	0.13	0.153	0.185
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	41055	2636.5	1	22.20	23.00	1.202	62.9	1.006	-0.05	0.154	0.186
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	41055	2636.5	1	22.20	23.00	1.202	62.9	1.006	-0.07	0.113	0.137
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	41055	2636.5	1	22.20	23.00	1.202	62.9	1.006	0.1	0.462	0.559
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	State 8	41055	2636.5	1	22.17	23.00	1.211	62.9	1.006	-0.13	0.412	0.502
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	41055	2636.5	1	17.71	18.50	1.199	62.9	1.006	0.1	0.046	0.056
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	41055	2636.5	1	17.71	18.50	1.199	62.9	1.006	0.17	0.067	0.081
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	41055	2636.5	1	17.71	18.50	1.199	62.9	1.006	0.11	0.099	0.119
	LTE Band 41C	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	41055 +41253	2636.5 +2656.3	1	17.23	18.50	1.340	62.9	1.006	-0.12	0.083	0.112



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	LTE Band 41 PC2	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	41055	2636.5	1	19.79	20.00	1.050	42.9	1.009	0.05	0.099	0.105
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	41055	2636.5	1	17.71	18.50	1.199	62.9	1.006	-0.08	0.015	0.018
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	41055	2636.5	1	16.75	17.50	1.189	62.9	1.006	-0.02	0.037	0.044
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	41055	2636.5	1	16.75	17.50	1.189	62.9	1.006	0.07	0.053	0.063
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	41055	2636.5	1	16.75	17.50	1.189	62.9	1.006	-0.17	0.082	0.098
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	41055	2636.5	1	16.75	17.50	1.189	62.9	1.006	-0.08	0.012	0.014
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 8	518598	2592.99	1	24.88	26.00	1.294	-	-	0.07	0.165	0.214
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 8	518598	2592.99	1	24.88	26.00	1.294	-	-	-0.09	0.152	0.197
50	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	518598	2592.99	1	24.88	26.00	1.294	-	-	0.11	0.517	0.669
	FR1 n41 PC2	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	518598	2592.99	1	26.14	27.50	1.368	50	1.000	-0.16	0.345	0.472
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	State 8	518598	2592.99	1	24.71	26.00	1.346	-	-	0.19	0.151	0.203
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	State 8	518598	2592.99	1	24.71	26.00	1.346	-	-	0.03	0.147	0.198
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 8	State 8	518598	2592.99	1	24.71	26.00	1.346	-	-	-0.19	0.486	0.654
	FR1 n41	100M	QPSK	270	0	DFT-30	Left Side	10mm	Ant 8	State 8	518598	2592.99	1	23.74	25.00	1.337	-	-	0.15	0.365	0.488
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 8	518598	2592.99	1	14.81	16.00	1.315	-	-	0.06	0.033	0.043
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	518598	2592.99	1	14.81	16.00	1.315	-	-	-0.14	0.083	0.109
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 8	518598	2592.99	1	14.81	16.00	1.315	-	-	0.1	0.021	0.028
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 7	State 8	518598	2592.99	1	14.81	16.00	1.315	-	-	0.05	0.008	0.011
	FR1 n41 PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	518598	2592.99	1	16.16	17.50	1.361	50	1.000	0.13	0.055	0.075
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	State 8	518598	2592.99	1	14.76	16.00	1.330	-	-	0.18	0.030	0.040
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	State 8	518598	2592.99	1	14.76	16.00	1.330	-	-	-0.14	0.077	0.102
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 7	State 8	518598	2592.99	1	14.76	16.00	1.330	-	-	-0.16	0.018	0.024
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	State 8	518598	2592.99	1	14.76	16.00	1.330	-	-	0.11	0.007	0.009
3000MHz																					
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 7	State 8	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.13	0.034	0.042
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 7	State 8	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.05	0.115	0.144
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	State 8	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.05	0.017	0.021
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	State 8	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.15	0.033	0.041
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 7	State 8	56640	3690	1	21.48	22.50	1.265	62.9	1.006	-0.16	0.025	0.032
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 7	State 8	56640	3690	1	21.48	22.50	1.265	62.9	1.006	-0.01	0.081	0.103
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	State 8	56640	3690	1	21.48	22.50	1.265	62.9	1.006	0.08	0.012	0.015
	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	State 8	56640	3690	1	21.48	22.50	1.265	62.9	1.006	-0.19	0.024	0.031
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 8	State 8	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.14	0.110	0.137
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 8	State 8	56640	3690	1	22.56	23.50	1.242	62.9	1.006	-0.14	0.068	0.085
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 8	State 8	56640	3690	1	22.56	23.50	1.242	62.9	1.006	-0.05	0.181	0.226
	LTE Band 48C	20M	QPSK	1	0	-	Left Side	10mm	Ant 8	State 8	56640 +56442	3690 +3670.2	1	14.89	16.50	1.449	62.9	1.006	0.03	0.082	0.120
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 8	State 8	56640	3690	1	21.48	22.50	1.265	62.9	1.006	0.18	0.081	0.103
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 8	State 8	56640	3690	1	21.48	22.50	1.265	62.9	1.006	-0.05	0.051	0.065
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 8	State 8	56640	3690	1	21.48	22.50	1.265	62.9	1.006	0.18	0.152	0.193
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 9	State 8	56640	3690	1	18.42	19.50	1.282	62.9	1.006	-0.15	0.045	0.058
51	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 9	State 8	56640	3690	1	18.42	19.50	1.282	62.9	1.006	0.15	0.440	0.568
	LTE Band 48C	20M	QPSK	1	0	-	Back	10mm	Ant 9	State 8	56640 +56442	3690 +3670.2	1	14.89	16.50	1.449	62.9	1.006	0.03	0.201	0.293
	LTE Band 48	20M	QPSK	1	0	-	Left Side	10mm	Ant 9	State 8	56640	3690	1	18.42	19.50	1.282	62.9	1.006	0.04	0.015	0.019
	LTE Band 48	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 9	State 8	56640	3690	1	18.42	19.50	1.282	62.9	1.006	-0.11	0.295	0.381
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 9	State 8	56640	3690	1	17.28	18.50	1.324	62.9	1.006	-0.11	0.034	0.045
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 9	State 8	56640	3690	1	17.28	18.50	1.324	62.9	1.006	0.14	0.337	0.449
	LTE Band 48	20M	QPSK	50	0	-	Left Side	10mm	Ant 9	State 8	56640	3690	1	17.28	18.50	1.324	62.9	1.006	-0.05	0.008	0.011
	LTE Band 48	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 9	State 8	56640	3690	1	17.28	18.50	1.324	62.9	1.006	-0.03	0.235	0.313
	LTE Band 48	20M	QPSK	1	0	-	Front	10mm	Ant 10	State 8	56640	3690	1	20.88	22.00	1.294	62.9	1.006	-0.05	0.052	0.068
	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 10	State 8	56640	3690	1	20.88	22.00	1.294	62.9	1.006	-0.1	0.136	0.177
	LTE Band 48	20M	QPSK	1	0	-	Right Side	10mm	Ant 10	State 8	56640	3690	1	20.88	22.00	1.294	62.9	1.006	-0.05	0.010	0.013
	LTE Band 48	20M	QPSK	1	0	-	Top Side	10mm	Ant 10	State 8	56640	3690	1	20.88	22.00	1.294	62.9	1.006	0.13	0.074	0.096
	LTE Band 48	20M	QPSK	50	0	-	Front	10mm	Ant 10	State 8	56640	3690	1	19.90	21.00	1.288	62.9	1.006	-0.02	0.044	0.057
	LTE Band 48	20M	QPSK	50	0	-	Back	10mm	Ant 10	State 8	56640	3690	1	19.90	21.00	1.288	62.9	1.006	0.04	0.110	0.143
	LTE Band 48	20M	QPSK	50	0	-	Right Side	10mm	Ant 10	State 8	56640	3690	1	19.90	21.00	1.288	62.9	1.006	0.08	0.008	0.010



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	LTE Band 48	20M	QPSK	50	0	-	Top Side	10mm	Ant 10	State 8	56640	3690	1	19.90	21.00	1.288	62.9	1.006	-0.04	0.060	0.078
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 8	641666	3624.99	1	21.32	22.50	1.312	-	-	0.08	0.087	0.114
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.04	0.140	0.184
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 8	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.05	0.000	0.000
	FR1 n48	40M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 7	State 8	641666	3624.99	1	21.32	22.50	1.312	-	-	0.13	0.072	0.094
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 7	State 8	641666	3624.99	1	21.20	22.50	1.349	-	-	-0.07	0.081	0.109
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 7	State 8	641666	3624.99	1	21.20	22.50	1.349	-	-	0.08	0.129	0.174
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Side	10mm	Ant 7	State 8	641666	3624.99	1	21.20	22.50	1.349	-	-	-0.05	0.000	0.000
	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 7	State 8	641666	3624.99	1	21.20	22.50	1.349	-	-	0.08	0.069	0.093
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 8	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.19	0.064	0.084
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 8	641666	3624.99	1	21.32	22.50	1.312	-	-	0.03	0.043	0.056
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	641666	3624.99	1	21.32	22.50	1.312	-	-	0.05	0.155	0.203
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 8	State 8	641666	3624.99	1	21.20	22.50	1.349	-	-	0.08	0.059	0.080
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 8	State 8	641666	3624.99	1	21.20	22.50	1.349	-	-	0.16	0.041	0.055
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Side	10mm	Ant 8	State 8	641666	3624.99	1	21.20	22.50	1.349	-	-	-0.08	0.148	0.200
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	10mm	Ant 9	State 8	641666	3624.99	1	16.25	17.50	1.334	-	-	-0.07	0.026	0.035
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 9	State 8	641666	3624.99	1	16.25	17.50	1.334	-	-	0.08	0.463	0.617
	FR1 n48	40M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 9	State 8	641666	3624.99	1	16.25	17.50	1.334	-	-	-0.05	0.024	0.032
	FR1 n48	40M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 9	State 8	641666	3624.99	1	16.25	17.50	1.334	-	-	-0.19	0.086	0.115
52	FR1 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 9	State 8	638000	3570	1	16.24	17.50	1.337	-	-	0.01	0.469	0.627
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 9	State 8	645332	3679.98	1	16.19	17.50	1.352	-	-	-0.07	0.404	0.546
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 9	State 8	641666	3624.99	1	16.23	17.50	1.340	-	-	0.05	0.024	0.032
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 9	State 8	641666	3624.99	1	16.23	17.50	1.340	-	-	0.07	0.381	0.510
	FR1 n48	40M	QPSK	50	28	DFT-30	Left Side	10mm	Ant 9	State 8	641666	3624.99	1	16.23	17.50	1.340	-	-	0.09	0.017	0.023
	FR1 n48	40M	QPSK	50	28	DFT-30	Bottom Side	10mm	Ant 9	State 8	641666	3624.99	1	16.23	17.50	1.340	-	-	-0.03	0.075	0.100
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	10mm	Ant 9	State 8	641666	3624.99	1	16.19	17.50	1.352	-	-	0.09	0.355	0.480
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	10mm	Ant 10	State 8	641666	3624.99	1	20.35	21.50	1.303	-	-	0.02	0.095	0.124
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	10mm	Ant 10	State 8	641666	3624.99	1	20.35	21.50	1.303	-	-	-0.03	0.229	0.298
	FR1 n48	40M	QPSK	1	1	DFT-30	Right Side	10mm	Ant 10	State 8	641666	3624.99	1	20.35	21.50	1.303	-	-	0.06	0.029	0.038
	FR1 n48	40M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 10	State 8	641666	3624.99	1	20.35	21.50	1.303	-	-	-0.02	0.164	0.214
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 10	State 8	641666	3624.99	1	20.22	21.50	1.343	-	-	0.07	0.094	0.126
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 10	State 8	641666	3624.99	1	20.22	21.50	1.343	-	-	0.09	0.208	0.279
	FR1 n48	40M	QPSK	50	28	DFT-30	Right Side	10mm	Ant 10	State 8	641666	3624.99	1	20.22	21.50	1.343	-	-	0.12	0.025	0.034
	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 10	State 8	641666	3624.99	1	20.22	21.50	1.343	-	-	0.16	0.154	0.207
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 8	656000	3840	1	24.36	26.00	1.459	-	-	0.02	0.256	0.373
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 8	656000	3840	1	24.36	26.00	1.459	-	-	0.17	0.183	0.267
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	656000	3840	1	24.36	26.00	1.459	-	-	-0.17	0.449	0.655
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	656000	3840	1	26.12	27.50	1.374	50	1.000	-0.05	0.357	0.491
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	State 8	656000	3840	1	24.25	26.00	1.496	-	-	0.03	0.232	0.347
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	State 8	656000	3840	1	24.25	26.00	1.496	-	-	0.12	0.168	0.251
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 8	State 8	656000	3840	1	24.25	26.00	1.496	-	-	0.16	0.421	0.630
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Side	10mm	Ant 8	State 8	656000	3840	1	23.28	25.00	1.486	-	-	0.05	0.413	0.614
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 8	633332	3499.98	1	24.53	26.00	1.403	-	-	0.05	0.197	0.276
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 8	633332	3499.98	1	24.53	26.00	1.403	-	-	-0.04	0.132	0.185
53	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	24.53	26.00	1.403	-	-	0.04	0.848	1.190
	FR1 n77 AeroActive cooler	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	24.53	26.00	1.403	-	-	0.04	0.314	0.440
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	2	24.53	26.00	1.403	-	-	0.04	0.661	0.927
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	26.11	27.50	1.377	50	1.000	-0.05	0.574	0.791
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	State 8	633332	3499.98	1	24.39	26.00	1.449	-	-	0.18	0.185	0.268
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	State 8	633332	3499.98	1	24.39	26.00	1.449	-	-	-0.01	0.125	0.181
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	24.39	26.00	1.449	-	-	-0.14	0.779	1.129
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	23.62	25.00	1.374	-	-	0.04	0.684	0.940
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 8	656000	3840	1	17.10	19.00	1.549	-	-	0.01	0.020	0.031
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	656000	3840	1	17.10	19.00	1.549	-	-	0.04	0.039	0.060
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 8	656000	3840	1	17.10	19.00	1.549	-	-	0.07	0.008	0.012
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 7	State 8	656000	3840	1	17.10	19.00	1.549	-	-	-0.09	0.013	0.020



FCC SAR Test Report

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	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	656000	3840	1	18.61	20.50	1.545	50	1.000	-0.08	0.027	0.042
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	State 8	656000	3840	1	17.08	19.00	1.556	-	-	-0.07	0.019	0.030
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	State 8	656000	3840	1	17.08	19.00	1.556	-	-	0.14	0.038	0.059
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 7	State 8	656000	3840	1	17.08	19.00	1.556	-	-	0.16	0.006	0.009
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	State 8	656000	3840	1	17.08	19.00	1.556	-	-	0.15	0.012	0.019
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 8	633332	3499.98	1	17.24	19.00	1.500	-	-	-0.15	0.053	0.079
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	633332	3499.98	1	17.24	19.00	1.500	-	-	-0.11	0.097	0.145
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 8	633332	3499.98	1	17.24	19.00	1.500	-	-	-0.1	0.018	0.027
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 7	State 8	633332	3499.98	1	17.24	19.00	1.500	-	-	-0.14	0.046	0.069
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	633332	3499.98	1	18.95	20.50	1.429	50	1.000	-0.03	0.067	0.096
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	State 8	633332	3499.98	1	17.22	19.00	1.507	-	-	-0.02	0.050	0.075
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	State 8	633332	3499.98	1	17.22	19.00	1.507	-	-	0.04	0.082	0.124
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 7	State 8	633332	3499.98	1	17.22	19.00	1.507	-	-	0.11	0.016	0.024
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	State 8	633332	3499.98	1	17.22	19.00	1.507	-	-	-0.03	0.044	0.066
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 9	State 8	656000	3840	1	15.76	17.50	1.493	-	-	-0.17	0.005	0.007
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 9	State 8	656000	3840	1	15.76	17.50	1.493	-	-	0.19	0.451	0.673
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 9	State 8	656000	3840	1	15.76	17.50	1.493	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 9	State 8	656000	3840	1	15.76	17.50	1.493	-	-	-0.02	0.084	0.125
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 9	State 8	656000	3840	1	17.55	19.00	1.396	50	1.000	0.19	0.315	0.440
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 9	State 8	656000	3840	1	15.72	17.50	1.507	-	-	-0.05	0.004	0.006
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 9	State 8	656000	3840	1	15.72	17.50	1.507	-	-	0.01	0.432	0.651
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 9	State 8	656000	3840	1	15.72	17.50	1.507	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 9	State 8	656000	3840	1	15.72	17.50	1.507	-	-	0.05	0.081	0.122
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	10mm	Ant 9	State 8	656000	3840	1	15.70	17.50	1.514	-	-	0.03	0.389	0.589
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 9	State 8	633332	3499.98	1	16.09	17.50	1.384	-	-	-0.02	0.003	0.004
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 9	State 8	633332	3499.98	1	16.09	17.50	1.384	-	-	0.05	0.415	0.574
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 9	State 8	633332	3499.98	1	16.09	17.50	1.384	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 9	State 8	633332	3499.98	1	16.09	17.50	1.384	-	-	0.02	0.054	0.075
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 9	State 8	633332	3499.98	1	17.54	19.00	1.400	50	1.000	0.15	0.301	0.421
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 9	State 8	633332	3499.98	1	16.08	17.50	1.387	-	-	-0.16	0.002	0.003
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 9	State 8	633332	3499.98	1	16.08	17.50	1.387	-	-	-0.11	0.412	0.571
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 9	State 8	633332	3499.98	1	16.08	17.50	1.387	-	-	-	n/a	n/a
	FR1 n77	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 9	State 8	633332	3499.98	1	16.08	17.50	1.387	-	-	-0.16	0.051	0.071
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 10	State 8	656000	3840	1	18.93	20.50	1.435	-	-	-0.15	0.021	0.030
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 10	State 8	656000	3840	1	18.93	20.50	1.435	-	-	-0.03	0.221	0.317
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	10mm	Ant 10	State 8	656000	3840	1	18.93	20.50	1.435	-	-	-0.08	0.005	0.007
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 10	State 8	656000	3840	1	18.93	20.50	1.435	-	-	-0.16	0.078	0.112
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 10	State 8	656000	3840	1	20.54	22.00	1.400	50	1.000	-0.18	0.165	0.231
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 10	State 8	656000	3840	1	18.87	20.50	1.455	-	-	-0.05	0.018	0.026
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 10	State 8	656000	3840	1	18.87	20.50	1.455	-	-	0.15	0.215	0.313
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 10	State 8	656000	3840	1	18.87	20.50	1.455	-	-	-0.02	0.004	0.006
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 10	State 8	656000	3840	1	18.87	20.50	1.455	-	-	0.18	0.123	0.179
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 10	State 8	633332	3499.98	1	19.15	20.50	1.365	-	-	-0.03	0.084	0.115
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 10	State 8	633332	3499.98	1	19.15	20.50	1.365	-	-	-0.11	0.285	0.389
	FR1 n77	100M	QPSK	1	1	DFT-30	Right Side	10mm	Ant 10	State 8	633332	3499.98	1	19.15	20.50	1.365	-	-	0.05	0.016	0.022
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 10	State 8	633332	3499.98	1	19.15	20.50	1.365	-	-	0.05	0.180	0.246
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 10	State 8	633332	3499.98	1	20.66	22.00	1.361	50	1.000	0.09	0.215	0.293
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 10	State 8	633332	3499.98	1	19.13	20.50	1.371	-	-	-0.18	0.080	0.110
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 10	State 8	633332	3499.98	1	19.13	20.50	1.371	-	-	0.1	0.274	0.376
	FR1 n77	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 10	State 8	633332	3499.98	1	19.13	20.50	1.371	-	-	0.02	0.011	0.015
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 10	State 8	633332	3499.98	1	19.13	20.50	1.371	-	-	-0.19	0.135	0.185



<Inter CA SAR>

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	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																			
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 0	State 8	23095	707.5	ID:16	21.60	23.00	1.380	0.17	0.144	0.199
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	23095	707.5	ID:16	21.60	23.00	1.380	-0.09	0.208	0.287
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 0	State 8	23095	707.5	ID:16	21.60	23.00	1.380	-0.17	0.048	0.066
	LTE Band 12	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	State 8	23095	707.5	ID:16	21.60	23.00	1.380	0.05	0.105	0.145
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	State 8	23095	707.5	ID:16	21.60	23.00	1.380	-0.13	0.137	0.189
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 0	State 8	23095	707.5	ID:16	20.56	22.00	1.393	-0.12	0.119	0.166
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 0	State 8	23095	707.5	ID:16	20.56	22.00	1.393	-0.13	0.164	0.228
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	State 8	23095	707.5	ID:16	20.56	22.00	1.393	0.06	0.040	0.056
	LTE Band 12	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	State 8	23095	707.5	ID:16	20.56	22.00	1.393	-0.18	0.087	0.121
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	State 8	23095	707.5	ID:16	20.56	22.00	1.393	0.1	0.111	0.155
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	23095	707.5	ID:17	21.60	23.00	1.380	-0.13	0.143	0.197
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	23095	707.5	ID:17	21.60	23.00	1.380	0.14	0.104	0.144
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	23095	707.5	ID:17	21.60	23.00	1.380	0.02	0.247	0.341
	LTE Band 12	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	23095	707.5	ID:17	21.60	23.00	1.380	-0.11	0.005	0.007
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	23095	707.5	ID:17	20.56	22.00	1.393	0.04	0.145	0.202
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	23095	707.5	ID:17	20.56	22.00	1.393	0.11	0.106	0.148
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	23095	707.5	ID:17	20.56	22.00	1.393	-0.13	0.228	0.318
	LTE Band 12	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	23095	707.5	ID:17	20.56	22.00	1.393	-0.12	0.006	0.008
835MHz																			
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 0	State 8	20525	836.5	ID:16	21.18	23.00	1.521	0.09	0.160	0.243
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	20525	836.5	ID:16	21.18	23.00	1.521	0.12	0.216	0.328
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 0	State 8	20525	836.5	ID:16	21.18	23.00	1.521	0.04	0.021	0.032
	LTE Band 5	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	State 8	20525	836.5	ID:16	21.18	23.00	1.521	0.08	0.047	0.071
	LTE Band 5	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	State 8	20525	836.5	ID:16	21.18	23.00	1.521	0.05	0.150	0.228
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 0	State 8	20525	836.5	ID:16	20.18	22.00	1.521	0.12	0.127	0.193
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 0	State 8	20525	836.5	ID:16	20.18	22.00	1.521	0.04	0.156	0.237
	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	State 8	20525	836.5	ID:16	20.18	22.00	1.521	0.07	0.016	0.024
	LTE Band 5	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	State 8	20525	836.5	ID:16	20.18	22.00	1.521	0.01	0.037	0.056
	LTE Band 5	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	State 8	20525	836.5	ID:16	20.18	22.00	1.521	0.1	0.119	0.181
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	20525	836.5	ID:17	20.81	22.50	1.476	-0.17	0.133	0.196
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	20525	836.5	ID:17	20.81	22.50	1.476	-0.05	0.093	0.137
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	20525	836.5	ID:17	20.81	22.50	1.476	0.08	0.252	0.372
	LTE Band 5	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	20525	836.5	ID:17	20.81	22.50	1.476	0.03	0.013	0.019
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	20525	836.5	ID:17	19.93	21.50	1.435	0.02	0.108	0.155
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	20525	836.5	ID:17	19.93	21.50	1.435	-0.06	0.073	0.105
	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	20525	836.5	ID:17	19.93	21.50	1.435	0.06	0.137	0.197
	LTE Band 5	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	20525	836.5	ID:17	19.93	21.50	1.435	0.04	0.008	0.011
1750MHz																			
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	132322	1745	ID:76	21.95	23.00	1.274	-0.04	0.187	0.238
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	132322	1745	ID:76	21.95	23.00	1.274	-0.17	0.199	0.253
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	132322	1745	ID:76	21.95	23.00	1.274	0.01	0.223	0.284
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	132322	1745	ID:76	21.95	23.00	1.274	0.05	0.336	0.428
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	132322	1745	ID:76	20.86	22.00	1.300	0.15	0.151	0.196
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	132322	1745	ID:76	20.86	22.00	1.300	-0.1	0.163	0.212
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	132322	1745	ID:76	20.86	22.00	1.300	0.07	0.181	0.235
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	132322	1745	ID:76	20.86	22.00	1.300	-0.1	0.330	0.429
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	132322	1745	ID:77	21.95	23.00	1.274	-0.05	0.065	0.083
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	132322	1745	ID:77	21.95	23.00	1.274	-0.18	0.049	0.062
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	132322	1745	ID:77	21.95	23.00	1.274	-0.09	0.109	0.139
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	132322	1745	ID:77	21.95	23.00	1.274	-0.1	0.042	0.053
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	132322	1745	ID:77	20.86	22.00	1.300	-0.15	0.050	0.065



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LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	132322	1745	ID:77	20.86	22.00	1.300	0.13	0.041	0.053
LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	132322	1745	ID:77	20.86	22.00	1.300	-0.18	0.086	0.112
LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	132322	1745	ID:77	20.86	22.00	1.300	-0.15	0.033	0.043
LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 7	State 8	132322	1745	ID:78	16.72	18.00	1.343	0.02	0.027	0.036
LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 7	State 8	132322	1745	ID:78	16.72	18.00	1.343	-0.04	0.083	0.111
LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	State 8	132322	1745	ID:78	16.72	18.00	1.343	0.03	0.013	0.017
LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	State 8	132322	1745	ID:78	16.72	18.00	1.343	-0.12	0.022	0.030
LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 7	State 8	132322	1745	ID:78	15.69	17.00	1.352	-0.04	0.019	0.026
LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 7	State 8	132322	1745	ID:78	15.69	17.00	1.352	-0.07	0.048	0.065
LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	State 8	132322	1745	ID:78	15.69	17.00	1.352	-0.18	0.009	0.012
LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	State 8	132322	1745	ID:78	15.69	17.00	1.352	0.16	0.013	0.018
1900MHz																		
LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	18900	1880	ID:76	21.45	22.50	1.274	-0.01	0.233	0.297
LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	18900	1880	ID:76	21.45	22.50	1.274	0.09	0.246	0.313
LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	18900	1880	ID:76	21.45	22.50	1.274	-0.14	0.247	0.315
LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	18900	1880	ID:76	21.45	22.50	1.274	0.1	0.618	0.787
LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	18700	1860	ID:76	21.21	22.50	1.346	0.18	0.486	0.654
LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	19100	1905	ID:76	21.35	22.50	1.303	-0.1	0.523	0.682
LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	18900	1880	ID:76	20.33	21.50	1.309	0.02	0.184	0.241
LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	18900	1880	ID:76	20.33	21.50	1.309	0.04	0.195	0.255
LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	18900	1880	ID:76	20.33	21.50	1.309	0.15	0.196	0.257
LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	18900	1880	ID:76	20.33	21.50	1.309	0.13	0.499	0.653
LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	18900	1880	ID:77	21.95	23.00	1.274	0.01	0.058	0.074
LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	18900	1880	ID:77	21.95	23.00	1.274	-0.07	0.048	0.061
LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	18900	1880	ID:77	21.95	23.00	1.274	0.11	0.112	0.143
LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	18900	1880	ID:77	21.95	23.00	1.274	-0.09	0.031	0.039
LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	18900	1880	ID:77	20.83	22.00	1.309	-0.11	0.049	0.064
LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	18900	1880	ID:77	20.83	22.00	1.309	-0.03	0.038	0.050
LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	18900	1880	ID:77	20.83	22.00	1.309	0.1	0.061	0.080
LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	18900	1880	ID:77	20.83	22.00	1.309	0.07	0.024	0.031
LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 7	State 8	18900	1880	ID:78	16.84	18.00	1.306	-0.07	0.059	0.077
LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 7	State 8	18900	1880	ID:78	16.84	18.00	1.306	-0.19	0.119	0.155
LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	State 8	18900	1880	ID:78	16.84	18.00	1.306	-0.13	0.029	0.038
LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	State 8	18900	1880	ID:78	16.84	18.00	1.306	-0.1	0.042	0.055
LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 7	State 8	18900	1880	ID:78	15.82	17.00	1.312	-0.05	0.044	0.058
LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 7	State 8	18900	1880	ID:78	15.82	17.00	1.312	0.02	0.064	0.084
LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	State 8	18900	1880	ID:78	15.82	17.00	1.312	-0.12	0.022	0.029
LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	State 8	18900	1880	ID:78	15.82	17.00	1.312	0.08	0.033	0.043
2300MHz																		
LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	27710	2310	ID:60	19.45	20.50	1.274	0.16	0.068	0.087
LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	27710	2310	ID:60	19.45	20.50	1.274	-0.11	0.076	0.097
LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	27710	2310	ID:60	19.45	20.50	1.274	0.09	0.063	0.080
LTE Band 30	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	27710	2310	ID:60	19.45	20.50	1.274	0.1	0.302	0.385
LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 1	State 8	27710	2310	ID:60	18.42	19.50	1.282	0.12	0.054	0.069
LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 1	State 8	27710	2310	ID:60	18.42	19.50	1.282	-0.02	0.060	0.077
LTE Band 30	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	State 8	27710	2310	ID:60	18.42	19.50	1.282	-0.19	0.050	0.064
LTE Band 30	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 1	State 8	27710	2310	ID:60	18.42	19.50	1.282	0.19	0.240	0.308
LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	27710	2310	ID:61	19.45	20.50	1.274	-0.07	0.036	0.046
LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	27710	2310	ID:61	19.45	20.50	1.274	-0.13	0.039	0.050
LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	27710	2310	ID:61	19.45	20.50	1.274	-0.18	0.069	0.088
LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	27710	2310	ID:61	19.45	20.50	1.274	0.1	0.006	0.008
LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	27710	2310	ID:61	18.42	19.50	1.282	-0.09	0.029	0.037
LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	27710	2310	ID:61	18.42	19.50	1.282	0.07	0.031	0.040
LTE Band 30	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	27710	2310	ID:61	18.42	19.50	1.282	0.1	0.055	0.071
LTE Band 30	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	27710	2310	ID:61	18.42	19.50	1.282	0.03	0.005	0.006
2600MHz																		



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Report No. : FA2D3005

LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	21100	2535	ID:116	21.09	22.00	1.233	-0.15	0.231	0.285
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	21100	2535	ID:116	21.09	22.00	1.233	0.18	0.284	0.350
LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	21100	2535	ID:116	21.09	22.00	1.233	0.12	0.153	0.189
LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	ID:116	21.09	22.00	1.233	-0.18	0.712	0.878
LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	20850	2510	ID:116	20.87	22.00	1.297	-0.01	0.873	1.132
LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	21350	2560	ID:116	20.85	22.00	1.303	-0.01	0.684	0.891
LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	21100	2535	ID:116	20.00	21.00	1.259	0.09	0.175	0.220
LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	21100	2535	ID:116	20.00	21.00	1.259	0.04	0.231	0.291
LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	21100	2535	ID:116	20.00	21.00	1.259	0.19	0.124	0.156
LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	ID:116	20.00	21.00	1.259	-0.14	0.497	0.626
LTE Band 7	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	ID:116	19.89	21.00	1.291	-0.02	0.509	0.657
LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	21100	2535	ID:117	16.10	16.50	1.096	-0.11	0.027	0.030
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	21100	2535	ID:117	16.10	16.50	1.096	0.01	0.063	0.069
LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	21100	2535	ID:117	16.10	16.50	1.096	0.1	0.148	0.162
LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	21100	2535	ID:117	16.10	16.50	1.096	-0.03	0.021	0.023
LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	21100	2535	ID:117	15.03	15.50	1.114	-0.08	0.021	0.023
LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	21100	2535	ID:117	15.03	15.50	1.114	-0.03	0.053	0.059
LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	21100	2535	ID:117	15.03	15.50	1.114	0.06	0.124	0.138
LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	21100	2535	ID:117	15.03	15.50	1.114	-0.19	0.011	0.012

<ENDC SAR>

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	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																			
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	-0.09	0.035	0.046
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	0.03	0.044	0.058
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	0.02	0.011	0.014
	FR1 n71	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	-0.19	0.016	0.021
	FR1 n71	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	State 8	136100	680.5	1	24.82	26.00	1.312	0.01	0.031	0.041
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	0.05	0.031	0.043
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	0.05	0.041	0.056
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	0.05	0.008	0.011
	FR1 n71	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	-0.06	0.012	0.017
	FR1 n71	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	State 8	136100	680.5	1	24.61	26.00	1.377	0.05	0.026	0.036
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	136100	680.5	1	20.73	22.00	1.340	0.05	0.115	0.154
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	136100	680.5	1	20.73	22.00	1.340	0.01	0.091	0.122
	FR1 n71	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	136100	680.5	1	20.73	22.00	1.340	0.09	0.197	0.264
	FR1 n71	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	136100	680.5	1	20.73	22.00	1.340	0.06	0.052	0.070
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	136100	680.5	1	20.53	22.00	1.403	0.19	0.106	0.149
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	136100	680.5	1	20.53	22.00	1.403	-0.02	0.084	0.118
	FR1 n71	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	136100	680.5	1	20.53	22.00	1.403	-0.13	0.172	0.241
	FR1 n71	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	136100	680.5	1	20.53	22.00	1.403	0.12	0.044	0.062
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 0	State 8	23095	707.5	1	22.05	23.50	1.396	-0.18	0.164	0.229
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	23095	707.5	1	22.05	23.50	1.396	-0.09	0.237	0.331
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 0	State 8	23095	707.5	1	22.05	23.50	1.396	-0.16	0.055	0.077
	LTE Band 12	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	State 8	23095	707.5	1	22.05	23.50	1.396	0.16	0.120	0.168
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	State 8	23095	707.5	1	22.05	23.50	1.396	0.09	0.156	0.218
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 0	State 8	23095	707.5	1	21.07	22.50	1.390	-0.18	0.134	0.186
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 0	State 8	23095	707.5	1	21.07	22.50	1.390	-0.05	0.184	0.256
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	State 8	23095	707.5	1	21.07	22.50	1.390	0.15	0.045	0.063
	LTE Band 12	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	State 8	23095	707.5	1	21.07	22.50	1.390	0.18	0.097	0.135
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	State 8	23095	707.5	1	21.07	22.50	1.390	-0.16	0.125	0.174
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	23095	707.5	1	18.97	20.50	1.422	-0.06	0.081	0.115
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	23095	707.5	1	18.97	20.50	1.422	0.19	0.059	0.084
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	23095	707.5	1	18.97	20.50	1.422	0.05	0.128	0.182
	LTE Band 12	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	23095	707.5	1	18.97	20.50	1.422	-0.15	0.003	0.004



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LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	23095	707.5	1	17.96	19.50	1.426	0.12	0.068	0.097
LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	23095	707.5	1	17.96	19.50	1.426	-0.13	0.049	0.070
LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	23095	707.5	1	17.96	19.50	1.426	-0.1	0.102	0.145
LTE Band 12	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	23095	707.5	1	17.96	19.50	1.426	0.03	0.002	0.003
835MHz																		
LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 0	State 8	20525	836.5	1	21.18	23.00	1.521	0.09	0.160	0.243
LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 0	State 8	20525	836.5	1	21.18	23.00	1.521	0.12	0.216	0.328
LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 0	State 8	20525	836.5	1	21.18	23.00	1.521	0.04	0.021	0.032
LTE Band 5	10M	QPSK	1	0	-	Right Side	10mm	Ant 0	State 8	20525	836.5	1	21.18	23.00	1.521	0.08	0.047	0.071
LTE Band 5	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 0	State 8	20525	836.5	1	21.18	23.00	1.521	0.05	0.150	0.228
LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 0	State 8	20525	836.5	1	20.18	22.00	1.521	0.12	0.127	0.193
LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 0	State 8	20525	836.5	1	20.18	22.00	1.521	0.04	0.156	0.237
LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 0	State 8	20525	836.5	1	20.18	22.00	1.521	0.07	0.016	0.024
LTE Band 5	10M	QPSK	25	0	-	Right Side	10mm	Ant 0	State 8	20525	836.5	1	20.18	22.00	1.521	0.01	0.037	0.056
LTE Band 5	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 0	State 8	20525	836.5	1	20.18	22.00	1.521	0.1	0.119	0.181
LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	20525	836.5	1	18.72	20.50	1.507	0.06	0.080	0.121
LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	20525	836.5	1	18.72	20.50	1.507	0.03	0.056	0.084
LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	20525	836.5	1	18.72	20.50	1.507	-0.05	0.123	0.185
LTE Band 5	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	20525	836.5	1	18.72	20.50	1.507	0.03	0.003	0.005
LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	20525	836.5	1	17.61	19.50	1.545	0.08	0.068	0.105
LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	20525	836.5	1	17.61	19.50	1.545	-0.01	0.046	0.071
LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	20525	836.5	1	17.61	19.50	1.545	0.02	0.087	0.134
LTE Band 5	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	20525	836.5	1	17.61	19.50	1.545	0.08	0.003	0.005
FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	State 8	167300	836.5	1	23.79	25.00	1.321	0.01	0.189	0.250
FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 0	State 8	167300	836.5	1	23.79	25.00	1.321	0.06	0.234	0.309
FR1 n5	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 0	State 8	167300	836.5	1	23.79	25.00	1.321	0.07	0.046	0.061
FR1 n5	20M	QPSK	1	1	DFT-15	Right Side	10mm	Ant 0	State 8	167300	836.5	1	23.79	25.00	1.321	0.1	0.066	0.087
FR1 n5	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 0	State 8	167300	836.5	1	23.79	25.00	1.321	-0.11	0.190	0.251
FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	State 8	167300	836.5	1	23.69	25.00	1.352	0.04	0.174	0.235
FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	State 8	167300	836.5	1	23.69	25.00	1.352	-0.04	0.219	0.296
FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 0	State 8	167300	836.5	1	23.69	25.00	1.352	0.19	0.041	0.055
FR1 n5	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 0	State 8	167300	836.5	1	23.69	25.00	1.352	-0.13	0.059	0.080
FR1 n5	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	State 8	167300	836.5	1	23.69	25.00	1.352	0.05	0.160	0.216
FR1 n5	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	167300	836.5	1	19.73	21.00	1.340	-0.19	0.101	0.135
FR1 n5	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	167300	836.5	1	19.73	21.00	1.340	0.07	0.075	0.100
FR1 n5	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	167300	836.5	1	19.73	21.00	1.340	-0.03	0.142	0.190
FR1 n5	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	167300	836.5	1	19.73	21.00	1.340	0.04	0.005	0.007
FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	167300	836.5	1	19.72	21.00	1.343	0.02	0.095	0.128
FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	167300	836.5	1	19.72	21.00	1.343	-0.15	0.068	0.091
FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	167300	836.5	1	19.72	21.00	1.343	0.17	0.127	0.171
FR1 n5	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	167300	836.5	1	19.72	21.00	1.343	0.19	0.004	0.005
1750MHz																		
LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	132322	1745	1	22.45	23.50	1.274	-0.14	0.265	0.337
LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	132322	1745	1	22.45	23.50	1.274	-0.17	0.255	0.325
LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	132322	1745	1	22.45	23.50	1.274	-0.01	0.277	0.353
LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	132322	1745	1	22.45	23.50	1.274	0.12	0.418	0.532
LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	132322	1745	1	21.39	22.50	1.291	0.12	0.213	0.275
LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	132322	1745	1	21.39	22.50	1.291	0.19	0.231	0.298
LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	132322	1745	1	21.39	22.50	1.291	0.03	0.257	0.332
LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	132322	1745	1	21.39	22.50	1.291	-0.11	0.355	0.458
LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	132322	1745	1	21.50	22.50	1.259	-0.19	0.058	0.073
LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	132322	1745	1	21.50	22.50	1.259	-0.1	0.043	0.054
LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	132322	1745	1	21.50	22.50	1.259	0.02	0.097	0.122
LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	132322	1745	1	21.50	22.50	1.259	-0.15	0.037	0.047
LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	132322	1745	1	20.46	21.50	1.271	-0.03	0.044	0.056
LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	132322	1745	1	20.46	21.50	1.271	0.06	0.036	0.046



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LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	132322	1745	1	20.46	21.50	1.271	-0.03	0.076	0.097
LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	132322	1745	1	20.46	21.50	1.271	0.15	0.029	0.037
LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 7	State 8	132322	1745	1	16.50	18.00	1.413	0.19	0.010	0.014
LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 7	State 8	132322	1745	1	16.50	18.00	1.413	0.11	0.062	0.088
LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 7	State 8	132322	1745	1	16.50	18.00	1.413	0.07	0.008	0.011
LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 7	State 8	132322	1745	1	16.50	18.00	1.413	0.07	0.009	0.013
LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 7	State 8	132322	1745	1	15.35	17.00	1.462	0.06	0.004	0.006
LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 7	State 8	132322	1745	1	15.35	17.00	1.462	0.05	0.041	0.060
LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 7	State 8	132322	1745	1	15.35	17.00	1.462	-0.13	0.005	0.007
LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 7	State 8	132322	1745	1	15.35	17.00	1.462	-0.12	0.007	0.010
FR1 n66	30M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	State 8	349000	1745	1	23.36	24.50	1.300	-0.04	0.241	0.313
FR1 n66	30M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	State 8	349000	1745	1	23.36	24.50	1.300	-0.03	0.250	0.325
FR1 n66	30M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	State 8	349000	1745	1	23.36	24.50	1.300	-0.14	0.269	0.350
FR1 n66	30M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	349000	1745	1	23.36	24.50	1.300	0.13	0.543	0.706
FR1 n66	30M	QPSK	80	40	DFT-15	Front	10mm	Ant 1	State 8	349000	1745	1	23.24	24.50	1.337	0.18	0.230	0.307
FR1 n66	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 1	State 8	349000	1745	1	23.24	24.50	1.337	-0.08	0.241	0.322
FR1 n66	30M	QPSK	80	40	DFT-15	Left Side	10mm	Ant 1	State 8	349000	1745	1	23.24	24.50	1.337	0.11	0.256	0.342
FR1 n66	30M	QPSK	80	40	DFT-15	Bottom Side	10mm	Ant 1	State 8	349000	1745	1	23.24	24.50	1.337	0.18	0.504	0.674
FR1 n66	30M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	349000	1745	1	22.32	23.50	1.312	-0.04	0.058	0.076
FR1 n66	30M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	349000	1745	1	22.32	23.50	1.312	-0.08	0.048	0.063
FR1 n66	30M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	349000	1745	1	22.32	23.50	1.312	0.01	0.163	0.214
FR1 n66	30M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	349000	1745	1	22.32	23.50	1.312	0.15	0.037	0.049
FR1 n66	30M	QPSK	80	40	DFT-15	Front	10mm	Ant 2	State 8	349000	1745	1	22.25	23.50	1.334	-0.11	0.053	0.071
FR1 n66	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 2	State 8	349000	1745	1	22.25	23.50	1.334	0.15	0.046	0.061
FR1 n66	30M	QPSK	80	40	DFT-15	Left Side	10mm	Ant 2	State 8	349000	1745	1	22.25	23.50	1.334	0.08	0.149	0.199
FR1 n66	30M	QPSK	80	40	DFT-15	Top Side	10mm	Ant 2	State 8	349000	1745	1	22.25	23.50	1.334	-0.06	0.034	0.045
FR1 n66	30M	QPSK	1	1	DFT-15	Front	10mm	Ant 7	State 8	349000	1745	1	18.15	19.50	1.365	0.07	0.033	0.045
FR1 n66	30M	QPSK	1	1	DFT-15	Back	10mm	Ant 7	State 8	349000	1745	1	18.15	19.50	1.365	-0.08	0.049	0.067
FR1 n66	30M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 7	State 8	349000	1745	1	18.15	19.50	1.365	0.17	0.006	0.008
FR1 n66	30M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 7	State 8	349000	1745	1	18.15	19.50	1.365	0.14	0.028	0.038
FR1 n66	30M	QPSK	80	40	DFT-15	Front	10mm	Ant 7	State 8	349000	1745	1	17.76	19.50	1.493	0.19	0.031	0.046
FR1 n66	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 7	State 8	349000	1745	1	17.76	19.50	1.493	0.09	0.045	0.067
FR1 n66	30M	QPSK	80	40	DFT-15	Left Side	10mm	Ant 7	State 8	349000	1745	1	17.76	19.50	1.493	-0.09	0.004	0.006
FR1 n66	30M	QPSK	80	40	DFT-15	Top Side	10mm	Ant 7	State 8	349000	1745	1	17.76	19.50	1.493	0.17	0.027	0.040
1900MHz																		
LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	18900	1880	1	21.38	22.50	1.294	-0.12	0.257	0.333
LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	18900	1880	1	21.38	22.50	1.294	0.16	0.240	0.333
LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	18900	1880	1	21.38	22.50	1.294	0.01	0.271	0.311
LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	18900	1880	1	21.38	22.50	1.294	0.04	0.675	0.874
LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	18700	1860	1	21.17	22.50	1.358	-0.04	0.644	0.917
LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	19100	1900	1	21.25	22.50	1.334	0.08	0.788	0.859
LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	18900	1880	1	20.42	21.50	1.282	0.09	0.191	0.245
LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	18900	1880	1	20.42	21.50	1.282	0.08	0.177	0.227
LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	18900	1880	1	20.42	21.50	1.282	0.15	0.211	0.271
LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	18900	1880	1	20.42	21.50	1.282	0.16	0.566	0.726
LTE Band 2	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	State 8	18900	1880	1	20.41	21.50	1.285	0.05	0.575	0.739
LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	18900	1880	1	21.03	22.00	1.250	-0.17	0.047	0.059
LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	18900	1880	1	21.03	22.00	1.250	-0.03	0.041	0.051
LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	18900	1880	1	21.03	22.00	1.250	-0.11	0.074	0.093
LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	18900	1880	1	21.03	22.00	1.250	0.08	0.026	0.033
LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	18900	1880	1	19.91	21.00	1.285	0.07	0.039	0.050
LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	18900	1880	1	19.91	21.00	1.285	-0.15	0.031	0.040
LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	18900	1880	1	19.91	21.00	1.285	0.11	0.050	0.064
LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	18900	1880	1	19.91	21.00	1.285	-0.16	0.020	0.026
FR1 n25	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	State 8	376500	1882.5	1	21.24	22.00	1.191	0.19	0.218	0.260
FR1 n25	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	State 8	376500	1882.5	1	21.24	22.00	1.191	-0.19	0.255	0.304



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FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	State 8	376500	1882.5	1	21.24	22.00	1.191	0.08	0.246	0.293
FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	376500	1882.5	1	21.24	22.00	1.191	-0.03	0.682	0.812
FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	372000	1860	1	20.99	22.00	1.262	-0.05	0.631	0.796
FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	381000	1905	1	21.04	22.00	1.247	0.17	0.748	0.933
FR1 n25	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	State 8	376500	1882.5	1	20.91	22.00	1.285	0.03	0.219	0.281
FR1 n25	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	State 8	376500	1882.5	1	20.91	22.00	1.285	-0.02	0.252	0.324
FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	State 8	376500	1882.5	1	20.91	22.00	1.285	-0.17	0.250	0.321
FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	376500	1882.5	1	20.91	22.00	1.285	-0.06	0.647	0.832
FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	372000	1860	1	20.80	22.00	1.318	0.03	0.636	0.838
FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	381000	1905	1	20.85	22.00	1.303	0.07	0.710	0.925
FR1 n25	20M	QPSK	100	0	DFT-15	Bottom Side	10mm	Ant 1	State 8	376500	1882.5	1	21.15	22.00	1.216	-0.06	0.522	0.635
FR1 n25	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	376500	1882.5	1	21.47	22.50	1.268	-0.11	0.053	0.067
FR1 n25	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	376500	1882.5	1	21.47	22.50	1.268	0.07	0.036	0.046
FR1 n25	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	376500	1882.5	1	21.47	22.50	1.268	0.03	0.117	0.148
FR1 n25	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	376500	1882.5	1	21.47	22.50	1.268	0.08	0.024	0.030
FR1 n25	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	376500	1882.5	1	21.43	22.50	1.279	0.04	0.046	0.059
FR1 n25	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	376500	1882.5	1	21.43	22.50	1.279	0.19	0.034	0.043
FR1 n25	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	376500	1882.5	1	21.43	22.50	1.279	0.19	0.080	0.102
FR1 n25	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	376500	1882.5	1	21.43	22.50	1.279	0.11	0.023	0.029
2300MHz																		
LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	-0.13	0.117	0.135
LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	0.12	0.131	0.151
LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	-0.11	0.108	0.125
LTE Band 30	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	27710	2310	1	22.88	23.50	1.153	0.01	0.523	0.603
LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	-0.17	0.091	0.106
LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	-0.05	0.099	0.116
LTE Band 30	10M	QPSK	25	0	-	Left Side	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	0.15	0.095	0.111
LTE Band 30	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 1	State 8	27710	2310	1	21.82	22.50	1.169	0.17	0.379	0.443
LTE Band 30	10M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	27710	2310	1	22.08	22.50	1.102	-0.06	0.070	0.077
LTE Band 30	10M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	27710	2310	1	22.08	22.50	1.102	0.18	0.077	0.085
LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	27710	2310	1	22.08	22.50	1.102	-0.09	0.134	0.148
LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	27710	2310	1	22.08	22.50	1.102	0.02	0.012	0.013
LTE Band 30	10M	QPSK	25	0	-	Front	10mm	Ant 2	State 8	27710	2310	1	21.02	21.50	1.117	0.04	0.054	0.060
LTE Band 30	10M	QPSK	25	0	-	Back	10mm	Ant 2	State 8	27710	2310	1	21.02	21.50	1.117	0.04	0.060	0.067
LTE Band 30	10M	QPSK	25	0	-	Left Side	10mm	Ant 2	State 8	27710	2310	1	21.02	21.50	1.117	0.11	0.115	0.128
LTE Band 30	10M	QPSK	25	0	-	Top Side	10mm	Ant 2	State 8	27710	2310	1	21.02	21.50	1.117	-0.11	0.009	0.010
FR1 n30	10M	QPSK	1	1	DFT-15	Front	10mm	Ant 7	State 8	462000	2310	1	16.94	18.50	1.432	0.17	0.052	0.074
FR1 n30	10M	QPSK	1	1	DFT-15	Back	10mm	Ant 7	State 8	462000	2310	1	16.94	18.50	1.432	-0.1	0.040	0.057
FR1 n30	10M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 7	State 8	462000	2310	1	16.94	18.50	1.432	0.05	0.018	0.026
FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 7	State 8	462000	2310	1	16.94	18.50	1.432	-0.02	0.042	0.060
FR1 n30	10M	QPSK	25	14	DFT-15	Front	10mm	Ant 7	State 8	462000	2310	1	16.70	18.50	1.514	-0.15	0.050	0.076
FR1 n30	10M	QPSK	25	14	DFT-15	Back	10mm	Ant 7	State 8	462000	2310	1	16.70	18.50	1.514	-0.17	0.035	0.053
FR1 n30	10M	QPSK	25	14	DFT-15	Left Side	10mm	Ant 7	State 8	462000	2310	1	16.70	18.50	1.514	0.03	0.016	0.024
FR1 n30	10M	QPSK	25	14	DFT-15	Top Side	10mm	Ant 7	State 8	462000	2310	1	16.70	18.50	1.514	-0.01	0.036	0.054
2600MHz																		
LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	-0.15	0.231	0.285
LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	0.18	0.284	0.350
LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	0.12	0.153	0.189



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	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	1	21.09	22.00	1.233	-0.18	0.712	0.878
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	20850	2510	1	20.87	22.00	1.297	-0.01	0.873	1.132
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	State 8	21350	2560	1	20.85	22.00	1.303	-0.01	0.684	0.891
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	0.09	0.175	0.220
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	0.04	0.231	0.291
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	0.19	0.124	0.156
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	1	20.00	21.00	1.259	-0.14	0.497	0.626
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	10mm	Ant 1	State 8	21100	2535	1	19.89	21.00	1.291	-0.02	0.509	0.657
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 2	State 8	21100	2535	1	15.25	16.00	1.189	-0.11	0.027	0.032
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 2	State 8	21100	2535	1	15.25	16.00	1.189	0.01	0.063	0.075
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	State 8	21100	2535	1	15.25	16.00	1.189	0.1	0.148	0.176
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 2	State 8	21100	2535	1	15.25	16.00	1.189	-0.03	0.021	0.025
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 2	State 8	21100	2535	1	14.18	15.00	1.208	-0.08	0.021	0.025
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 2	State 8	21100	2535	1	14.18	15.00	1.208	-0.03	0.053	0.064
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 2	State 8	21100	2535	1	14.18	15.00	1.208	0.06	0.124	0.150
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 2	State 8	21100	2535	1	14.18	15.00	1.208	-0.19	0.011	0.013
	FR1 n7	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 1	State 8	507000	2535	1	20.38	21.00	1.153	-0.08	0.177	0.204
	FR1 n7	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	State 8	507000	2535	1	20.38	21.00	1.153	0.06	0.264	0.305
	FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 1	State 8	507000	2535	1	20.38	21.00	1.153	-0.19	0.139	0.160
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	Ant 1	State 8	507000	2535	1	20.38	21.00	1.153	0.05	0.560	0.646
	FR1 n7	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	State 8	507000	2535	1	20.21	21.00	1.199	0.01	0.170	0.204
	FR1 n7	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	State 8	507000	2535	1	20.21	21.00	1.199	-0.07	0.242	0.290
	FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	State 8	507000	2535	1	20.21	21.00	1.199	-0.02	0.122	0.146
	FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 1	State 8	507000	2535	1	20.21	21.00	1.199	0.19	0.543	0.651
	FR1 n7	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 2	State 8	507000	2535	1	15.93	17.00	1.279	-0.07	0.047	0.060
	FR1 n7	20M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	State 8	507000	2535	1	15.93	17.00	1.279	0.15	0.068	0.087
	FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	10mm	Ant 2	State 8	507000	2535	1	15.93	17.00	1.279	0.07	0.157	0.201
	FR1 n7	20M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 2	State 8	507000	2535	1	15.93	17.00	1.279	-0.17	0.016	0.020
	FR1 n7	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 2	State 8	507000	2535	1	15.85	17.00	1.303	0.02	0.043	0.056
	FR1 n7	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 2	State 8	507000	2535	1	15.85	17.00	1.303	-0.14	0.066	0.086
	FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 2	State 8	507000	2535	1	15.85	17.00	1.303	0.01	0.157	0.205
	FR1 n7	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 2	State 8	507000	2535	1	15.85	17.00	1.303	-0.02	0.015	0.020
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 8	518598	2592.99	1	24.88	26.00	1.294	0.07	0.165	0.214
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 8	518598	2592.99	1	24.88	26.00	1.294	-0.09	0.152	0.197
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	518598	2592.99	1	24.88	26.00	1.294	0.11	0.517	0.669
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	State 8	518598	2592.99	1	24.71	26.00	1.346	0.19	0.151	0.203
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	State 8	518598	2592.99	1	24.71	26.00	1.346	0.03	0.147	0.198
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 8	State 8	518598	2592.99	1	24.71	26.00	1.346	-0.19	0.486	0.654
	FR1 n41	100M	QPSK	270	0	DFT-30	Left Side	10mm	Ant 8	State 8	518598	2592.99	1	23.74	25.00	1.337	0.02	0.369	0.493
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 8	518598	2592.99	1	14.29	15.50	1.321	0.06	0.029	0.038
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	518598	2592.99	1	14.29	15.50	1.321	-0.14	0.074	0.098
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 8	518598	2592.99	1	14.29	15.50	1.321	0.1	0.019	0.025
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 7	State 8	518598	2592.99	1	14.29	15.50	1.321	0.05	0.004	0.005
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	State 8	518598	2592.99	1	14.22	15.50	1.343	0.18	0.026	0.035
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	State 8	518598	2592.99	1	14.22	15.50	1.343	-0.14	0.069	0.093
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 7	State 8	518598	2592.99	1	14.22	15.50	1.343	-0.16	0.016	0.021
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	State 8	518598	2592.99	1	14.22	15.50	1.343	0.11	0.003	0.004
3000MHz																			
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 8	656000	3840	1	22.90	24.50	1.445	0.02	0.256	0.370
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 8	656000	3840	1	22.90	24.50	1.445	0.17	0.183	0.265
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	656000	3840	1	22.90	24.50	1.445	-0.17	0.449	0.649
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	State 8	656000	3840	1	22.75	24.50	1.496	0.03	0.232	0.347
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	State 8	656000	3840	1	22.75	24.50	1.496	0.12	0.168	0.251
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 8	State 8	656000	3840	1	22.75	24.50	1.496	0.16	0.411	0.615
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Side	10mm	Ant 8	State 8	656000	3840	1	22.83	24.50	1.469	-0.17	0.398	0.585
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 8	633332	3499.98	1	22.93	24.50	1.435	0.05	0.140	0.201



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	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 8	633332	3499.98	1	22.93	24.50	1.435	-0.04	0.094	0.135
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	22.93	24.50	1.435	0.02	0.577	0.828
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	State 8	633332	3499.98	1	22.71	24.50	1.510	0.18	0.131	0.198
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	State 8	633332	3499.98	1	22.71	24.50	1.510	-0.01	0.088	0.133
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	22.71	24.50	1.510	-0.14	0.551	0.832
	FR1 n77	100M	QPSK	270	0	DFT-30	Left Side	10mm	Ant 8	State 8	633332	3499.98	1	22.82	24.50	1.472	0.05	0.521	0.767
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 8	656000	3840	1	16.32	18.00	1.472	0.01	0.057	0.084
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	656000	3840	1	16.32	18.00	1.472	0.04	0.111	0.163
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 8	656000	3840	1	16.32	18.00	1.472	0.07	0.022	0.032
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 7	State 8	656000	3840	1	16.32	18.00	1.472	-0.09	0.037	0.054
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	State 8	656000	3840	1	16.29	18.00	1.483	-0.07	0.053	0.079
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	State 8	656000	3840	1	16.29	18.00	1.483	0.14	0.107	0.159
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 7	State 8	656000	3840	1	16.29	18.00	1.483	0.16	0.018	0.027
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	State 8	656000	3840	1	16.29	18.00	1.483	0.15	0.033	0.049
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 8	633332	3499.98	1	16.42	18.00	1.439	-0.15	0.073	0.105
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 8	633332	3499.98	1	16.42	18.00	1.439	-0.11	0.131	0.188
	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 8	633332	3499.98	1	16.42	18.00	1.439	-0.1	0.028	0.040
	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 7	State 8	633332	3499.98	1	16.42	18.00	1.439	-0.14	0.084	0.121
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	State 8	633332	3499.98	1	16.36	18.00	1.459	-0.02	0.070	0.102
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	State 8	633332	3499.98	1	16.36	18.00	1.459	0.04	0.101	0.147
	FR1 n77	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 7	State 8	633332	3499.98	1	16.36	18.00	1.459	0.11	0.025	0.036
	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	State 8	633332	3499.98	1	16.36	18.00	1.459	-0.03	0.080	0.117



<UL MIMO SAR>

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)
2600MHz																					
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 1	State 85	18598	2592.99	1	19.21	20.50	1.346	-	-	-0.07	0.161	0.217
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 1	State 85	18598	2592.99	1	19.21	20.50	1.346	-	-	0.05	0.254	0.342
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 1	State 85	18598	2592.99	1	19.21	20.50	1.346	-	-	0.08	0.141	0.190
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 1	State 85	18598	2592.99	1	19.21	20.50	1.346	-	-	-0.1	0.388	0.522
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 1	State 85	18598	2592.99	1	20.71	22.00	1.346	50	1.000	-0.15	0.298	0.401
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 1	State 85	18598	2592.99	1	19.13	20.50	1.371	-	-	0.12	0.198	0.271
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 1	State 85	18598	2592.99	1	19.13	20.50	1.371	-	-	0.06	0.264	0.362
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 1	State 85	18598	2592.99	1	19.13	20.50	1.371	-	-	0.1	0.186	0.255
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 1	State 85	18598	2592.99	1	19.13	20.50	1.371	-	-	-0.09	0.376	0.515
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 2	State 85	18598	2592.99	1	14.60	16.00	1.380	-	-	0.14	0.033	0.046
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 2	State 85	18598	2592.99	1	14.60	16.00	1.380	-	-	0.17	0.055	0.076
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 2	State 85	18598	2592.99	1	14.60	16.00	1.380	-	-	0.08	0.106	0.146
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 2	State 85	18598	2592.99	1	14.60	16.00	1.380	-	-	-0.18	0.009	0.012
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 2	State 85	18598	2592.99	1	16.19	17.50	1.352	50	1.000	-0.12	0.069	0.093
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 2	State 85	18598	2592.99	1	14.49	16.00	1.416	-	-	-0.05	0.042	0.059
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 2	State 85	18598	2592.99	1	14.49	16.00	1.416	-	-	-0.1	0.055	0.078
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 2	State 85	18598	2592.99	1	14.49	16.00	1.416	-	-	0.05	0.090	0.127
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 2	State 85	18598	2592.99	1	14.49	16.00	1.416	-	-	-0.03	0.012	0.017
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 8	State 85	18598	2592.99	1	21.51	23.00	1.409	-	-	0.07	0.085	0.120
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 8	State 85	18598	2592.99	1	21.51	23.00	1.409	-	-	-0.09	0.078	0.110
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 85	18598	2592.99	1	21.51	23.00	1.409	-	-	0.03	0.266	0.375
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 8	State 85	18598	2592.99	1	21.51	23.00	1.409	-	-	-0.04	0.022	0.031
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 8	State 85	18598	2592.99	1	23.08	24.50	1.387	50	1.000	0.03	0.189	0.262
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	State 85	18598	2592.99	1	21.46	23.00	1.426	-	-	0.19	0.081	0.115
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	State 85	18598	2592.99	1	21.46	23.00	1.426	-	-	0.03	0.079	0.113
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 8	State 85	18598	2592.99	1	21.46	23.00	1.426	-	-	-0.19	0.260	0.371
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 8	State 85	18598	2592.99	1	21.46	23.00	1.426	-	-	-0.04	0.021	0.030
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	10mm	Ant 7	State 85	18598	2592.99	1	14.42	15.50	1.282	-	-	0.02	0.030	0.038
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 85	18598	2592.99	1	14.42	15.50	1.282	-	-	-0.07	0.070	0.090
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	10mm	Ant 7	State 85	18598	2592.99	1	14.42	15.50	1.282	-	-	-0.13	0.020	0.026
	FR1 n41	100M	QPSK	1	1	DFT-30	Bottom Side	10mm	Ant 7	State 85	18598	2592.99	1	14.42	15.50	1.282	-	-	-0.01	0.004	0.005
	FR1 n41_PC2	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 7	State 85	18598	2592.99	1	15.62	17.00	1.374	50	1.000	-0.18	0.046	0.063
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	State 85	18598	2592.99	1	14.39	15.50	1.291	-	-	0.01	0.030	0.039
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	State 85	18598	2592.99	1	14.39	15.50	1.291	-	-	-0.08	0.066	0.085
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 7	State 85	18598	2592.99	1	14.39	15.50	1.291	-	-	0.09	0.019	0.025
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 7	State 85	18598	2592.99	1	14.39	15.50	1.291	-	-	0.07	0.003	0.004



FCC SAR Test Report

Report No. : FA2D3005

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Operating Mode	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)
2450MHz																		
54	Bluetooth	DH5 1Mbps	Front	10mm	Ant 5	Full	normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	0.06	0.085	0.153
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 5	Full	normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	0.1	0.067	0.120
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 5	Full	normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	0.04	0.166	0.298
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 4	Full	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	0.04	0.040	0.079
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 4	Full	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	0.14	0.041	0.081
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 4	Full	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	-0.1	0.021	0.041
	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 4	Full	normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	0.15	0.015	0.030
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 5	Full	camera	39	2441	1	15.60	17.00	1.380	76.89	1.301	-0.11	0.075	0.135
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 5	Full	camera	39	2441	1	15.60	17.00	1.380	76.89	1.301	-0.14	0.061	0.110
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 5	Full	camera	39	2441	1	15.60	17.00	1.380	76.89	1.301	0.05	0.087	0.156
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 6	Full	camera	39	2441	1	12.10	13.50	1.380	76.7	1.304	-0.01	0.013	0.023
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 6	Full	camera	39	2441	1	12.10	13.50	1.380	76.7	1.304	0.04	0.036	0.065
	Bluetooth	DH5 1Mbps	Left Side	10mm	Ant 6	Full	camera	39	2441	1	12.10	13.50	1.380	76.7	1.304	0.17	0.010	0.018
	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 6	Full	camera	39	2441	1	12.10	13.50	1.380	76.7	1.304	0.11	0.005	0.009
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 5	Hotspot	normal	6	2437	1	17.90	19.50	1.445	100	1.000	0.15	0.183	0.265
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 5	Hotspot	normal	6	2437	1	17.90	19.50	1.445	100	1.000	-0.08	0.166	0.240
55	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 5	Hotspot	normal	6	2437	1	17.90	19.50	1.445	100	1.000	0.15	0.360	0.520
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	Hotspot	normal	6	2437	1	19.80	21.50	1.479	100	1.000	0.16	0.158	0.234
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	Hotspot	normal	6	2437	1	19.80	21.50	1.479	100	1.000	-0.02	0.206	0.305
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 4	Hotspot	normal	6	2437	1	19.80	21.50	1.479	100	1.000	0.17	0.153	0.226
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	Hotspot	normal	6	2437	1	19.80	21.50	1.479	100	1.000	-0.16	0.151	0.223
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 5+4	Hotspot	normal	6	2437	1	20.92	22.50	1.439	100	1.000	-0.07	0.202	0.291
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 5+4	Hotspot	normal	6	2437	1	20.92	22.50	1.439	100	1.000	0.14	0.262	0.377
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 5+4	Hotspot	normal	6	2437	1	20.92	22.50	1.439	100	1.000	-0.15	0.391	0.563
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 5+4	Hotspot	normal	6	2437	1	20.92	22.50	1.439	100	1.000	0.1	0.187	0.269
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 5	Hotspot	camera	6	2437	1	17.90	19.50	1.445	100	1.000	-0.02	0.165	0.238
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 5	Hotspot	camera	6	2437	1	17.90	19.50	1.445	100	1.000	-0.03	0.183	0.265
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 5	Hotspot	camera	6	2437	1	17.90	19.50	1.445	100	1.000	-0.17	0.366	0.529
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 6	Hotspot	camera	6	2437	1	18.80	20.00	1.318	100	1.000	0.06	0.070	0.092
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6	Hotspot	camera	6	2437	1	18.80	20.00	1.318	100	1.000	-0.17	0.157	0.207
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 6	Hotspot	camera	6	2437	1	18.80	20.00	1.318	100	1.000	-0.14	0.091	0.120
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 6	Hotspot	camera	6	2437	1	18.80	20.00	1.318	100	1.000	0.04	0.045	0.059
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 5+6	Hotspot	camera	6	2437	1	20.49	22.00	1.416	100	1.000	-0.08	0.206	0.292
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 5+6	Hotspot	camera	6	2437	1	20.49	22.00	1.416	100	1.000	-0.01	0.217	0.307
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 5+6	Hotspot	camera	6	2437	1	20.49	22.00	1.416	100	1.000	0.05	0.094	0.133
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 5+6	Hotspot	camera	6	2437	1	20.49	22.00	1.416	100	1.000	0.16	0.377	0.534
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 5+6	Hotspot	camera	6	2437	1	20.49	22.00	1.416	100	1.000	-0.14	0.025	0.035
5000MHz																		
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	Hotspot	normal	42	5210	1	15.75	16.50	1.189	100	1.000	0.14	0.139	0.165
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	Hotspot	normal	42	5210	1	15.75	16.50	1.189	100	1.000	0.06	0.124	0.147
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5	Hotspot	normal	42	5210	1	15.75	16.50	1.189	100	1.000	-0.12	0.352	0.418
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	Hotspot	normal	42	5210	1	18.65	20.50	1.531	100	1.000	-0.06	0.165	0.253
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4	Hotspot	normal	42	5210	1	18.65	20.50	1.531	100	1.000	0.03	0.142	0.217
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 4	Hotspot	normal	42	5210	1	18.65	20.50	1.531	100	1.000	-0.13	0.124	0.190
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 4	Hotspot	normal	42	5210	1	18.65	20.50	1.531	100	1.000	-0.02	0.088	0.135
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5+4	Hotspot	normal	42	5210	1	18.69	19.50	1.205	100	1.000	-0.01	0.128	0.154
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5+4	Hotspot	normal	42	5210	1	18.69	19.50	1.205	100	1.000	-0.13	0.126	0.152
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5+4	Hotspot	normal	42	5210	1	18.69	19.50	1.205	100	1.000	0.09	0.415	0.500
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 5+4	Hotspot	normal	42	5210	1	18.69	19.50	1.205	100	1.000	0.02	0.105	0.127
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	Hotspot	camera	42	5210	1	16.06	16.50	1.107	100	1.000	0.02	0.136	0.151
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	Hotspot	camera	42	5210	1	16.06	16.50	1.107	100	1.000	-0.06	0.134	0.148
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5	Hotspot	camera	42	5210	1	16.06	16.50	1.107	100	1.000	-0.01	0.420	0.465
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 5	Hotspot	camera	42	5210	1	16.06	16.50	1.107	100	1.000	-0.06	0.134	0.148



FCC SAR Test Report

Report No. : FA2D3005

	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 6	Hotspot	camera	42	5210	1	16.85	17.50	1.161	100	1.000	-0.09	0.071	0.082
56	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 6	Hotspot	camera	42	5210	1	16.85	17.50	1.161	100	1.000	-0.02	0.431	0.501
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6	Hotspot	camera	42	5210	1	16.85	17.50	1.161	100	1.000	-0.07	0.188	0.218
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 6	Hotspot	camera	42	5210	1	16.85	17.50	1.161	100	1.000	0.13	0.138	0.160
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5+6	Hotspot	camera	42	5210	1	18.52	19.00	1.117	100	1.000	-0.08	0.143	0.160
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5+6	Hotspot	camera	42	5210	1	18.52	19.00	1.117	100	1.000	0.04	0.238	0.266
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 5+6	Hotspot	camera	42	5210	1	18.52	19.00	1.117	100	1.000	0.01	0.129	0.144
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5+6	Hotspot	camera	42	5210	1	18.52	19.00	1.117	100	1.000	0.12	0.410	0.458
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 5+6	Hotspot	camera	42	5210	1	18.52	19.00	1.117	100	1.000	0.06	0.074	0.083
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	Hotspot	normal	155	5775	1	13.88	15.00	1.294	100	1.000	-0.1	0.156	0.202
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	Hotspot	normal	155	5775	1	13.88	15.00	1.294	100	1.000	-0.17	0.106	0.137
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5	Hotspot	normal	155	5775	1	13.88	15.00	1.294	100	1.000	-0.06	0.385	0.498
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	Hotspot	normal	155	5775	1	19.89	21.50	1.449	100	1.000	0.07	0.313	0.453
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4	Hotspot	normal	155	5775	1	19.89	21.50	1.449	100	1.000	0.15	0.236	0.342
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 4	Hotspot	normal	155	5775	1	19.89	21.50	1.449	100	1.000	0.02	0.144	0.209
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 4	Hotspot	normal	155	5775	1	19.89	21.50	1.449	100	1.000	-0.12	0.182	0.264
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5+4	Hotspot	normal	155	5775	1	16.94	18.00	1.276	100	1.000	0.09	0.140	0.179
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5+4	Hotspot	normal	155	5775	1	16.94	18.00	1.276	100	1.000	0.02	0.110	0.140
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5+4	Hotspot	normal	155	5775	1	16.94	18.00	1.276	100	1.000	0.09	0.367	0.468
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 5+4	Hotspot	normal	155	5775	1	16.94	18.00	1.276	100	1.000	0.11	0.084	0.107
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	Hotspot	camera	155	5775	1	14.01	15.00	1.256	100	1.000	0.08	0.134	0.168
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	Hotspot	camera	155	5775	1	14.01	15.00	1.256	100	1.000	0.17	0.137	0.172
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5	Hotspot	camera	155	5775	1	14.01	15.00	1.256	100	1.000	0.11	0.354	0.445
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 6	Hotspot	camera	155	5775	1	13.71	14.50	1.199	100	1.000	-0.18	0.073	0.088
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 6	Hotspot	camera	155	5775	1	13.71	14.50	1.199	100	1.000	0.07	0.411	0.493
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 6	Hotspot	camera	155	5775	1	13.71	14.50	1.199	100	1.000	0.1	0.095	0.114
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 6	Hotspot	camera	155	5775	1	13.71	14.50	1.199	100	1.000	0.18	0.104	0.125
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5+6	Hotspot	camera	155	5775	1	16.56	17.50	1.242	100	1.000	0.05	0.130	0.161
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5+6	Hotspot	camera	155	5775	1	16.56	17.50	1.242	100	1.000	0.02	0.227	0.282
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 5+6	Hotspot	camera	155	5775	1	16.56	17.50	1.242	100	1.000	-0.01	0.078	0.097
57	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5+6	Hotspot	camera	155	5775	1	16.56	17.50	1.242	100	1.000	-0.17	0.410	0.509
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 5+6	Hotspot	camera	155	5775	1	16.56	17.50	1.242	100	1.000	-0.05	0.368	0.457
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 5+6	Hotspot	camera	155	5775	1	16.56	17.50	1.242	100	1.000	0.16	0.134	0.166



14.3 Body Worn Accessory SAR

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)
750MHz																					
58	LTE Band 71	20M	QPSK	1	0	-	Front	15mm	Ant 0	State 10/9	133297	680.5	1	24.47	26.00	1.422	-	-	-0.15	0.199	0.283
	LTE Band 71	20M	QPSK	1	0	-	Back	15mm	Ant 0	State 10/9	133297	680.5	1	24.47	26.00	1.422	-	-	-0.13	0.251	0.357
	LTE Band 71	20M	QPSK	50	0	-	Front	15mm	Ant 0	State 10/9	133297	680.5	1	23.42	25.00	1.439	-	-	-0.07	0.163	0.235
	LTE Band 71	20M	QPSK	50	0	-	Back	15mm	Ant 0	State 10/9	133297	680.5	1	23.42	25.00	1.439	-	-	0.06	0.212	0.305
	LTE Band 71	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	133297	680.5	1	24.47	26.00	1.422	-	-	-0.18	0.151	0.215
	LTE Band 71	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	133297	680.5	1	24.47	26.00	1.422	-	-	0.03	0.123	0.175
	LTE Band 71	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10/9	133297	680.5	1	23.42	25.00	1.439	-	-	-0.14	0.127	0.183
	LTE Band 71	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10/9	133297	680.5	1	23.42	25.00	1.439	-	-	-0.03	0.100	0.144
59	FR1 n71	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	State 10/9	136100	680.5	1	24.82	26.00	1.312	-	-	-0.18	0.005	0.007
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 0	State 10/9	136100	680.5	1	24.82	26.00	1.312	-	-	-0.02	0.021	0.028
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 0	State 10/9	136100	680.5	1	24.61	26.00	1.377	-	-	-0.14	0.004	0.006
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 0	State 10/9	136100	680.5	1	24.61	26.00	1.377	-	-	0.02	0.019	0.026
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	136100	680.5	1	24.82	26.00	1.312	-	-	0.02	0.175	0.230
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	136100	680.5	1	24.82	26.00	1.312	-	-	0.06	0.122	0.160
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10/9	136100	680.5	1	24.61	26.00	1.377	-	-	-0.17	0.162	0.223
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	136100	680.5	1	24.61	26.00	1.377	-	-	-0.03	0.111	0.153
60	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 0	State 10/9	23095	707.5	1	24.57	26.00	1.390	-	-	-0.1	0.199	0.277
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	State 10/9	23095	707.5	1	24.57	26.00	1.390	-	-	-0.06	0.248	0.345
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 0	State 10/9	23095	707.5	1	23.58	25.00	1.387	-	-	-0.07	0.164	0.227
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 0	State 10/9	23095	707.5	1	23.58	25.00	1.387	-	-	0.07	0.215	0.298
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	23095	707.5	1	24.57	26.00	1.390	-	-	-0.15	0.169	0.235
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	23095	707.5	1	24.57	26.00	1.390	-	-	0.05	0.125	0.174
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 2	State 10/9	23095	707.5	1	23.58	25.00	1.387	-	-	-0.15	0.142	0.197
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 2	State 10/9	23095	707.5	1	23.58	25.00	1.387	-	-	0.02	0.104	0.144
61	FR1 n12	15M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	State 10/9	141500	707.5	1	24.45	26.00	1.429	-	-	-0.07	0.006	0.009
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	15mm	Ant 0	State 10/9	141500	707.5	1	24.45	26.00	1.429	-	-	-0.15	0.055	0.079
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	15mm	Ant 0	State 10/9	141500	707.5	1	24.26	26.00	1.493	-	-	-0.13	0.004	0.006
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	15mm	Ant 0	State 10/9	141500	707.5	1	24.26	26.00	1.493	-	-	0.03	0.049	0.073
	FR1 n12	15M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	141500	707.5	1	24.45	26.00	1.429	-	-	-0.1	0.195	0.279
	FR1 n12	15M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	141500	707.5	1	24.45	26.00	1.429	-	-	0.01	0.131	0.187
	FR1 n12	15M	QPSK	36	22	DFT-15	Front	15mm	Ant 2	State 10/9	141500	707.5	1	24.26	26.00	1.493	-	-	-0.16	0.161	0.240
	FR1 n12	15M	QPSK	36	22	DFT-15	Back	15mm	Ant 2	State 10/9	141500	707.5	1	24.26	26.00	1.493	-	-	0.02	0.121	0.181
835MHz																					
62	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	15mm	Ant 0	State 10	251	848.8	1	31.72	33.50	1.507	-	-	-0.08	0.498	0.750
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 0	State 10	251	848.8	1	31.72	33.50	1.507	-	-	0.13	0.647	0.975
	GSM850 AeroActive cooler	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 0	State 10	251	848.8	1	31.72	33.50	1.507			0.04	0.128	0.193
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 0	State 10	251	848.8	2	31.72	33.50	1.507	-	-	-0.05	0.584	0.880
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 0	State 10	128	824.2	1	31.58	33.50	1.556	-	-	-0.03	0.589	0.916
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 0	State 10	189	836.4	1	31.68	33.50	1.521	-	-	0.01	0.576	0.876
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	15mm	Ant 0	State 9	251	848.8	1	29.93	31.50	1.435	-	-	0.1	0.282	0.405
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 0	State 9	251	848.8	1	29.93	31.50	1.435	-	-	0.05	0.316	0.454
63	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	State 10/9	4182	836.4	1	25.06	26.00	1.242	-	-	-0.12	0.312	0.387
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	State 10/9	4182	836.4	1	25.06	26.00	1.242	-	-	0.03	0.456	0.566
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	State 10/9	4182	836.4	1	25.06	26.00	1.242	-	-	-0.08	0.197	0.245
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	State 10/9	4182	836.4	1	25.06	26.00	1.242	-	-	0.03	0.139	0.173
64	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 0	State 10/9	26865	831.5	1	24.30	26.00	1.479	-	-	-0.15	0.199	0.294
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	State 10/9	26865	831.5	1	24.30	26.00	1.479	-	-	-0.07	0.312	0.461
	LTE Band 5B	10M	QPSK	1	0	-	Back	15mm	Ant 0	State 10/9	20575 +20476	841.5 +831.6	1	24.19	26.00	1.517	-	-	0.08	0.250	0.379
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 0	State 10/9	26865	831.5	1	23.32	25.00	1.472	-	-	-0.18	0.167	0.246



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	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 0	State 10/9	26865	831.5	1	23.32	25.00	1.472	-	-	0.02	0.230	0.339
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	26865	831.5	1	24.30	26.00	1.479	-	-	-0.18	0.155	0.229
	LTE Band 5B	10M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	20575 +20476	841.5 +831.6	1	24.19	26.00	1.517	-	-	-0.02	0.120	0.182
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	26865	831.5	1	24.30	26.00	1.479	-	-	0.04	0.115	0.170
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 2	State 10/9	26865	831.5	1	23.32	25.00	1.472	-	-	-0.09	0.128	0.188
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 2	State 10/9	26865	831.5	1	23.32	25.00	1.472	-	-	0.02	0.097	0.143
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	State 10/9	166300	831.5	1	24.77	26.00	1.327	-	-	-0.11	0.100	0.133
65	FR1 n26	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 0	State 10/9	166300	831.5	1	24.77	26.00	1.327	-	-	-0.05	0.259	0.344
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 0	State 10/9	166300	831.5	1	24.32	26.00	1.472	-	-	-0.07	0.091	0.134
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 0	State 10/9	166300	831.5	1	24.32	26.00	1.472	-	-	-0.04	0.119	0.175
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	166300	831.5	1	24.77	26.00	1.327	-	-	-0.09	0.219	0.291
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	166300	831.5	1	24.77	26.00	1.327	-	-	-0.03	0.165	0.219
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10/9	166300	831.5	1	24.32	26.00	1.472	-	-	-0.18	0.155	0.228
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	166300	831.5	1	24.32	26.00	1.472	-	-	-0.03	0.114	0.168
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	State 10/9	1413	1732.6	1	25.04	26.00	1.247	-	-	-0.11	0.180	0.225
66	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	State 10/9	1413	1732.6	1	25.04	26.00	1.247	-	-	-0.02	0.188	0.235
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	State 10/9	1413	1732.6	1	25.04	26.00	1.247	-	-	-0.13	0.054	0.067
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	State 10/9	1413	1732.6	1	25.04	26.00	1.247	-	-	0.01	0.064	0.080
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	132322	1745	1	25.01	26.00	1.256	-	-	-0.12	0.176	0.221
67	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	132322	1745	1	25.01	26.00	1.256	-	-	-0.17	0.223	0.280
	LTE Band 66C	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	132322 +132520	1745 +1764.8	1	24.85	26.00	1.303	-	-	0.09	0.200	0.261
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 1	State 10/9	132322	1745	1	24.00	25.00	1.259	-	-	-0.14	0.143	0.180
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 1	State 10/9	132322	1745	1	24.00	25.00	1.259	-	-	0.06	0.151	0.190
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	132322	1745	1	25.01	26.00	1.256	-	-	-0.14	0.056	0.070
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	132322	1745	1	25.01	26.00	1.256	-	-	-0.01	0.058	0.073
	LTE Band 66C	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	132322 +132520	1745 +1764.8	1	24.85	26.00	1.303	-	-	-0.03	0.043	0.056
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10/9	132322	1745	1	24.00	25.00	1.259	-	-	-0.13	0.045	0.057
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10/9	132322	1745	1	24.00	25.00	1.259	-	-	-0.01	0.050	0.063
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 7	State 10/9	132322	1745	1	21.92	23.50	1.439	-	-	-0.18	0.039	0.056
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 7	State 10/9	132322	1745	1	21.92	23.50	1.439	-	-	-0.04	0.109	0.157
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 7	State 10/9	132322	1745	1	20.81	22.50	1.476	-	-	-0.18	0.035	0.052
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 7	State 10/9	132322	1745	1	20.81	22.50	1.476	-	-	0	0.052	0.077
	FR1 n66	30M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 10/9	349000	1745	1	24.87	26.00	1.297	-	-	-0.07	0.157	0.204
	FR1 n66	30M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 10/9	349000	1745	1	24.87	26.00	1.297	-	-	0.01	0.168	0.218
	FR1 n66	30M	QPSK	80	40	DFT-15	Front	15mm	Ant 1	State 10/9	349000	1745	1	24.85	26.00	1.303	-	-	-0.15	0.166	0.216
68	FR1 n66	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 1	State 10/9	349000	1745	1	24.85	26.00	1.303	-	-	0.01	0.172	0.224
	FR1 n66	30M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	349000	1745	1	24.87	26.00	1.297	-	-	-0.15	0.046	0.060
	FR1 n66	30M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	349000	1745	1	24.87	26.00	1.297	-	-	0.06	0.073	0.095
	FR1 n66	30M	QPSK	80	40	DFT-15	Front	15mm	Ant 2	State 10/9	349000	1745	1	24.85	26.00	1.303	-	-	-0.1	0.042	0.055
	FR1 n66	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 2	State 10/9	349000	1745	1	24.85	26.00	1.303	-	-	0.04	0.051	0.066
	FR1 n66	30M	QPSK	1	1	DFT-15	Front	15mm	Ant 7	State 10/9	349000	1745	1	22.24	23.50	1.337	-	-	-0.09	0.041	0.055
	FR1 n66	30M	QPSK	1	1	DFT-15	Back	15mm	Ant 7	State 10/9	349000	1745	1	22.24	23.50	1.337	-	-	0.01	0.125	0.167
	FR1 n66	30M	QPSK	80	40	DFT-15	Front	15mm	Ant 7	State 10/9	349000	1745	1	22.23	23.50	1.340	-	-	-0.14	0.038	0.051
	FR1 n66	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 7	State 10/9	349000	1745	1	22.23	23.50	1.340	-	-	-0.04	0.074	0.099
1900MHz																					
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Front	15mm	Ant 1	State 10/9	810	1909.8	1	28.03	29.50	1.403	-	-	-0.07	0.174	0.244
69	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 1	State 10/9	810	1909.8	1	28.03	29.50	1.403	-	-	-0.15	0.284	0.398
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	State 10/9	9262	1852.4	1	23.54	24.50	1.247	-	-	-0.11	0.214	0.267
70	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	State 10/9	9262	1852.4	1	23.54	24.50	1.247	-	-	0.01	0.302	0.377
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 2	State 10/9	9262	1852.4	1	25.03	26.00	1.250	-	-	-0.17	0.056	0.070
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 2	State 10/9	9262	1852.4	1	25.03	26.00	1.250	-	-	-0.02	0.053	0.066
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	26340	1880	1	23.61	24.50	1.227	-	-	-0.15	0.235	0.288
71	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	26340	1880	1	23.61	24.50	1.227	-	-	0.01	0.346	0.425
	LTE Band 2C	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	18900	1880	1	23.19	24.50	1.352	-	-	0.1	0.268	0.362

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											+19098	+1899.8									
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 1	State 10/9	26340	1880	1	22.48	23.50	1.265	-	-	-0.17	0.175	0.221
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 1	State 10/9	26340	1880	1	22.48	23.50	1.265	-	-	0.04	0.287	0.363
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	26340	1880	1	25.13	26.00	1.222	-	-	-0.13	0.064	0.078
	LTE Band 2C	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	18900 +19098	1880 +1899.8	1	24.69	26.00	1.352	-	-	-0.09	0.055	0.074
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	26340	1880	1	25.13	26.00	1.222	-	-	0.01	0.055	0.067
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10/9	26340	1880	1	24.03	25.00	1.250	-	-	-0.13	0.046	0.058
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10/9	26340	1880	1	24.03	25.00	1.250	-	-	0.06	0.044	0.055
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 7	State 10/9	26340	1880	1	22.06	23.50	1.393	-	-	-0.15	0.094	0.131
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 7	State 10/9	26340	1880	1	22.06	23.50	1.393	-	-	-0.02	0.201	0.280
	LTE Band 25	20M	QPSK	50	0	-	Front	15mm	Ant 7	State 10/9	26340	1880	1	20.92	22.50	1.439	-	-	-0.16	0.075	0.108
	LTE Band 25	20M	QPSK	50	0	-	Back	15mm	Ant 7	State 10/9	26340	1880	1	20.92	22.50	1.439	-	-	0.05	0.121	0.174
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 10/9	376500	1882.5	1	24.24	25.00	1.191	-	-	-0.18	0.320	0.381
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 10/9	376500	1882.5	1	24.24	25.00	1.191	-	-	0.04	0.412	0.491
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 1	State 10/9	376500	1882.5	1	24.13	25.00	1.222	-	-	-0.15	0.337	0.412
72	FR1 n25	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	State 10/9	376500	1882.5	1	24.13	25.00	1.222	-	-	-0.11	0.423	0.517
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	State 10/9	376500	1882.5	2	24.13	25.00	1.222	-	-	0.07	0.229	0.280
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	376500	1882.5	1	25.06	26.00	1.242	-	-	-0.18	0.061	0.076
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	376500	1882.5	1	25.06	26.00	1.242	-	-	-0.02	0.054	0.067
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10/9	376500	1882.5	1	24.91	26.00	1.285	-	-	-0.09	0.059	0.076
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	376500	1882.5	1	24.91	26.00	1.285	-	-	0.05	0.053	0.068
	FR1 n25	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 7	State 10/9	376500	1882.5	1	22.82	23.50	1.169	-	-	-0.12	0.129	0.151
	FR1 n25	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 7	State 10/9	376500	1882.5	1	22.82	23.50	1.169	-	-	-0.01	0.254	0.297
	FR1 n25	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 7	State 10/9	376500	1882.5	1	22.56	23.50	1.242	-	-	-0.09	0.129	0.160
	FR1 n25	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 7	State 10/9	376500	1882.5	1	22.56	23.50	1.242	-	-	0.02	0.260	0.323
2300MHz																					
	LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	27710	2310	1	22.88	23.50	1.153	-	-	-0.12	0.062	0.072
73	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	27710	2310	1	22.88	23.50	1.153	-	-	-0.03	0.101	0.116
	LTE Band 30	10M	QPSK	25	0	-	Front	15mm	Ant 1	State 10/9	27710	2310	1	21.82	22.50	1.169	-	-	-0.13	0.056	0.065
	LTE Band 30	10M	QPSK	25	0	-	Back	15mm	Ant 1	State 10/9	27710	2310	1	21.82	22.50	1.169	-	-	0.01	0.078	0.091
	LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	27710	2310	1	22.88	23.50	1.153	-	-	-0.1	0.048	0.055
	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	27710	2310	1	22.88	23.50	1.153	-	-	0.03	0.038	0.044
	LTE Band 30	10M	QPSK	25	0	-	Front	15mm	Ant 2	State 10/9	27710	2310	1	21.82	22.50	1.169	-	-	-0.16	0.038	0.044
	LTE Band 30	10M	QPSK	25	0	-	Back	15mm	Ant 2	State 10/9	27710	2310	1	21.82	22.50	1.169	-	-	0.03	0.025	0.029
	LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 7	State 10/9	27710	2310	1	21.83	23.50	1.469	-	-	-0.15	0.068	0.100
	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 7	State 10/9	27710	2310	1	21.83	23.50	1.469	-	-	0.06	0.071	0.104
	LTE Band 30	10M	QPSK	25	0	-	Front	15mm	Ant 7	State 10/9	27710	2310	1	20.72	22.50	1.507	-	-	-0.13	0.053	0.080
	LTE Band 30	10M	QPSK	25	0	-	Back	15mm	Ant 7	State 10/9	27710	2310	1	20.72	22.50	1.507	-	-	-0.02	0.055	0.083
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 10/9	462000	2310	1	21.40	22.50	1.288	-	-	-0.14	0.139	0.179
74	FR1 n30	10M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 10/9	462000	2310	1	21.40	22.50	1.288	-	-	-0.07	0.141	0.182
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	15mm	Ant 1	State 10/9	462000	2310	1	21.36	22.50	1.300	-	-	-0.09	0.127	0.165
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	15mm	Ant 1	State 10/9	462000	2310	1	21.36	22.50	1.300	-	-	0.01	0.131	0.170
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	462000	2310	1	21.40	22.50	1.288	-	-	-0.16	0.079	0.102
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	462000	2310	1	21.40	22.50	1.288	-	-	0.07	0.075	0.097
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	15mm	Ant 2	State 10/9	462000	2310	1	21.36	22.50	1.300	-	-	-0.15	0.081	0.105
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	15mm	Ant 2	State 10/9	462000	2310	1	21.36	22.50	1.300	-	-	0.05	0.073	0.095
	FR1 n30	10M	QPSK	1	1	DFT-15	Front	15mm	Ant 7	State 10/9	462000	2310	1	21.99	23.50	1.416	-	-	-0.09	0.071	0.101
	FR1 n30	10M	QPSK	1	1	DFT-15	Back	15mm	Ant 7	State 10/9	462000	2310	1	21.99	23.50	1.416	-	-	0.05	0.073	0.103
	FR1 n30	10M	QPSK	25	14	DFT-15	Front	15mm	Ant 7	State 10/9	462000	2310	1	21.85	23.50	1.462	-	-	-0.11	0.064	0.094
	FR1 n30	10M	QPSK	25	14	DFT-15	Back	15mm	Ant 7	State 10/9	462000	2310	1	21.85	23.50	1.462	-	-	-0.01	0.065	0.095
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	21100	2535	1	22.50	23.50	1.259	-	-	-0.17	0.242	0.305
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	21100	2535	1	22.50	23.50	1.259	-	-	-0.04	0.259	0.326
	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	21100 +21298	2535 +2554.8	1	18.35	19.50	1.303	-	-	-0.13	0.131	0.171
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 1	State 10/9	21100	2535	1	21.56	22.50	1.242	-	-	-0.13	0.180	0.223



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	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 1	State 10/9	21100	2535	1	21.56	22.50	1.242	-	-	0.06	0.218	0.271
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	21100	2535	1	23.91	25.00	1.285	-	-	-0.12	0.104	0.134
75	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	21100	2535	1	23.91	25.00	1.285	-	-	-0.04	0.356	0.458
	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	21100 +21298	2535 +2554.8	1	18.35	19.50	1.303	-	-	0.01	0.059	0.077
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10/9	21100	2535	1	22.97	24.00	1.268	-	-	-0.07	0.083	0.105
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10/9	21100	2535	1	22.97	24.00	1.268	-	-	0.05	0.277	0.351
	FR1 n7	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 10/9	507000	2535	1	21.88	22.50	1.153	-	-	-0.1	0.173	0.200
	FR1 n7	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 10/9	507000	2535	1	21.88	22.50	1.153	-	-	0.04	0.209	0.241
	FR1 n7	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 1	State 10/9	507000	2535	1	21.69	22.50	1.205	-	-	-0.16	0.166	0.200
	FR1 n7	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	State 10/9	507000	2535	1	21.69	22.50	1.205	-	-	0.03	0.171	0.206
	FR1 n7	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	507000	2535	1	24.97	26.00	1.268	-	-	-0.14	0.185	0.235
	FR1 n7	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	507000	2535	1	24.97	26.00	1.268	-	-	0.02	0.386	0.489
	FR1 n7	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10/9	507000	2535	1	24.91	26.00	1.285	-	-	-0.07	0.191	0.245
76	FR1 n7	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	507000	2535	1	24.91	26.00	1.285	-	-	-0.1	0.391	0.503
	FR1 n7	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	507000	2535	2	24.91	26.00	1.285	-	-	0.02	0.390	0.501
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	41055	2636.5	1	24.07	25.00	1.239	62.9	1.006	-0.18	0.144	0.179
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	41055	2636.5	1	24.07	25.00	1.239	62.9	1.006	0.02	0.184	0.229
	LTE Band 41PC2	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	41055	2636.5	1	26.11	26.50	1.094	42.9	1.009	-0.09	0.216	0.238
	LTE Band 41C	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	41055 +41253	2636.5 +2656.3	1	19.24	20.50	1.337	42.9	1.009	-0.02	0.102	0.138
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 1	State 10/9	41055	2636.5	1	23.07	24.00	1.239	62.9	1.006	-0.13	0.128	0.160
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 1	State 10/9	41055	2636.5	1	23.07	24.00	1.239	62.9	1.006	-0.07	0.132	0.165
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	41055	2636.5	1	25.12	26.00	1.225	62.9	1.006	-0.16	0.105	0.129
77	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	41055	2636.5	1	25.12	26.00	1.225	62.9	1.006	-0.11	0.234	0.288
	LTE Band 41C	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	41055 +41253	2636.5 +2656.3	1	19.24	20.50	1.337	62.9	1.006	-0.03	0.167	0.225
	LTE Band 41PC2	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	41055	2636.5	1	27.21	27.50	1.069	42.9	1.009	0.01	0.234	0.252
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10/9	41055	2636.5	1	24.16	25.00	1.213	62.9	1.006	-0.11	0.086	0.105
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10/9	41055	2636.5	1	24.16	25.00	1.213	62.9	1.006	-0.11	0.137	0.167
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-	-	-0.18	0.085	0.110
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-	-	-0.12	0.065	0.084
	FR1 N41PC2	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	26.14	27.50	1.368	50	1.000	-0.02	0.071	0.097
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-	-	-0.1	0.079	0.106
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-	-	-0.18	0.058	0.078
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-	-	-0.13	0.056	0.072
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-	-	-0.09	0.085	0.110
	FR1 N41PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	26.14	27.50	1.368	50	1.000	0.03	0.063	0.086
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-	-	-0.18	0.051	0.069
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-	-	-0.15	0.075	0.101
3000MHz																					
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 7	State 10/9	56640	3690	1	22.56	23.50	1.242	62.9	1.006	-0.12	0.028	0.035
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 7	State 10/9	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.07	0.136	0.170
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 7	State 10/9	56640	3690	1	21.48	22.50	1.265	62.9	1.006	-0.11	0.022	0.028
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 7	State 10/9	56640	3690	1	21.48	22.50	1.265	62.9	1.006	0.02	0.086	0.109
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 8	State 10/9	56640	3690	1	22.56	23.50	1.242	62.9	1.006	-0.11	0.067	0.084
	LTE Band 48C	20M	QPSK	1	0	-	Front	15mm	Ant 8	State 10/9	56640 +56442	3690 +3670.2	1	14.89	16.50	1.449	62.9	1.006	-0.06	0.026	0.038
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 8	State 10/9	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.02	0.038	0.047
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 8	State 10/9	56640	3690	1	21.48	22.50	1.265	62.9	1.006	-0.11	0.051	0.065
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 8	State 10/9	56640	3690	1	21.48	22.50	1.265	62.9	1.006	0.05	0.033	0.042
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 9	State 10	56640	3690	1	21.84	23.00	1.306	62.9	1.006	-0.08	0.011	0.014
79	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 10	56640	3690	1	21.84	23.00	1.306	62.9	1.006	-0.02	0.465	0.611
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 10	56640	3690	2	21.84	23.00	1.306	62.9	1.006	0.06	0.184	0.242
	LTE Band 48C	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 10	56640 +56442	3690 +3670.2	1	14.89	16.50	1.449	62.9	1.006	0.09	0.123	0.179
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 10	55340	3560	1	21.82	23.00	1.312	62.9	1.006	-0.18	0.284	0.375
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 10	55830	3609	1	21.80	23.00	1.318	62.9	1.006	-0.07	0.325	0.431
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 10	56150	3641	1	21.82	23.00	1.312	62.9	1.006	0.01	0.318	0.420



FCC SAR Test Report

Report No. : FA2D3005

	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 9	State 10	56640	3690	1	20.92	22.00	1.282	62.9	1.006	-0.16	0.008	0.010
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 9	State 10	56640	3690	1	20.92	22.00	1.282	62.9	1.006	0.07	0.345	0.445
	LTE Band 48	20M	QPSK	100	0	-	Back	15mm	Ant 9	State 10	56640	3690	1	20.89	22.00	1.291	62.9	1.006	0.07	0.241	0.313
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 9	State 9	56640	3690	1	19.92	21.00	1.282	62.9	1.006	0.03	0.017	0.022
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 9	56640	3690	1	19.92	21.00	1.282	62.9	1.006	0.05	0.216	0.279
	LTE Band 48C	20M	QPSK	1	0	-	Back	15mm	Ant 9	State 9	56640 +56442	3690 +3670.2	1	14.89	16.50	1.449	62.9	1.006	-0.01	0.080	0.117
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 9	State 9	56640	3690	1	18.78	20.00	1.324	62.9	1.006	0.02	0.013	0.017
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 9	State 9	56640	3690	1	18.78	20.00	1.324	62.9	1.006	-0.05	0.137	0.183
	LTE Band 48	20M	QPSK	1	0	-	Front	15mm	Ant 10	State 10/9	56640	3690	1	22.56	23.50	1.242	62.9	1.006	-0.17	0.036	0.045
	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 10	State 10/9	56640	3690	1	22.56	23.50	1.242	62.9	1.006	0.07	0.138	0.172
	LTE Band 48	20M	QPSK	50	0	-	Front	15mm	Ant 10	State 10/9	56640	3690	1	21.48	22.50	1.265	62.9	1.006	-0.1	0.030	0.038
	LTE Band 48	20M	QPSK	50	0	-	Back	15mm	Ant 10	State 10/9	56640	3690	1	21.48	22.50	1.265	62.9	1.006	0.01	0.080	0.102
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10/9	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.17	0.043	0.056
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.15	0.061	0.080
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 7	State 10/9	641666	3624.99	1	21.20	22.50	1.349	-	-	-0.03	0.040	0.054
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 7	State 10/9	641666	3624.99	1	21.20	22.50	1.349	-	-	-0.1	0.057	0.077
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.11	0.093	0.122
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.03	0.082	0.108
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 8	State 10/9	641666	3624.99	1	21.20	22.50	1.349	-	-	-0.15	0.088	0.119
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 8	State 10/9	641666	3624.99	1	21.20	22.50	1.349	-	-	0.07	0.084	0.113
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 9	State 10	641666	3624.99	1	18.70	20.00	1.349	-	-	-0.17	0.033	0.045
80	FR1 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 9	State 10	641666	3624.99	1	18.70	20.00	1.349	-	-	-0.01	0.308	0.415
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 9	State 10	641666	3624.99	1	18.68	20.00	1.355	-	-	-0.08	0.028	0.038
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 9	State 10	641666	3624.99	1	18.68	20.00	1.355	-	-	0.01	0.296	0.401
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 9	State 9	641666	3624.99	1	16.25	17.50	1.334	-	-	0.15	0.017	0.023
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 9	State 9	641666	3624.99	1	16.25	17.50	1.334	-	-	-0.19	0.238	0.317
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 9	State 9	641666	3624.99	1	16.23	17.50	1.340	-	-	-0.1	0.013	0.017
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 9	State 9	641666	3624.99	1	16.23	17.50	1.340	-	-	-0.19	0.214	0.287
	FR1 n48	40M	QPSK	1	1	DFT-30	Front	15mm	Ant 10	State 10/9	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.06	0.059	0.077
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 10/9	641666	3624.99	1	21.32	22.50	1.312	-	-	-0.01	0.142	0.186
	FR1 n48	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 10	State 10/9	641666	3624.99	1	21.20	22.50	1.349	-	-	-0.08	0.054	0.073
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 10	State 10/9	641666	3624.99	1	21.20	22.50	1.349	-	-	0.1	0.151	0.204
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	656000	3840	1	24.36	26.00	1.459	-	-	-0.12	0.107	0.156
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	656000	3840	1	24.36	26.00	1.459	-	-	-0.14	0.101	0.147
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	656000	3840	1	24.25	26.00	1.496	-	-	-0.09	0.129	0.193
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	State 10/9	656000	3840	1	24.25	26.00	1.496	-	-	-0.18	0.125	0.187
	FR1 n77PC2	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	656000	3840	1	26.06	27.50	1.393	50	1.000	0.07	0.095	0.132
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	633332	3499.98	1	24.53	26.00	1.403	-	-	-0.12	0.205	0.288
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	633332	3499.98	1	24.53	26.00	1.403	-	-	-0.12	0.126	0.177
	FR1 n77PC2	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	633332	3499.98	1	26.11	27.50	1.377	50	1.000	0.07	0.157	0.216
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	633332	3499.98	1	24.39	26.00	1.449	-	-	-0.12	0.166	0.240
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	State 10/9	633332	3499.98	1	24.39	26.00	1.449	-	-	-0.13	0.114	0.165
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10/9	656000	3840	1	24.36	26.00	1.459	-	-	-0.07	0.042	0.061
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	656000	3840	1	24.36	26.00	1.459	-	-	-0.09	0.115	0.168
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 10/9	656000	3840	1	24.25	26.00	1.496	-	-	-0.13	0.043	0.064
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10/9	656000	3840	1	24.25	26.00	1.496	-	-	-0.09	0.142	0.212
	FR1 n77PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10/9	656000	3840	1	26.06	27.50	1.393	50	1.000	0.05	0.099	0.138
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10/9	633332	3499.98	1	24.53	26.00	1.403	-	-	-0.17	0.122	0.171
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	633332	3499.98	1	24.53	26.00	1.403	-	-	-0.17	0.296	0.415
	FR1 n77PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	633332	3499.98	1	26.11	27.50	1.377	50	1.000	-0.02	0.216	0.297
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 10/9	633332	3499.98	1	24.39	26.00	1.449	-	-	-0.14	0.113	0.164
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10/9	633332	3499.98	1	24.39	26.00	1.449	-	-	-0.09	0.187	0.271
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 9	State 10	656000	3840	1	17.92	19.50	1.439	-	-	-0.13	0.016	0.023
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 9	State 10	656000	3840	1	17.92	19.50	1.439	-	-	-0.07	0.315	0.453
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 9	State 10	656000	3840	1	17.79	19.50	1.483	-	-	-0.16	0.018	0.027
81	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 10	656000	3840	1	17.79	19.50	1.483	-	-	-0.14	0.340	0.504



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Report No. : FA2D3005

	FR1 n77PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 10	656000	3840	1	19.45	21.00	1.429	50	1.000	0.03	0.245	0.350
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 9	State 9	656000	3840	1	16.48	18.00	1.419	-	-	-0.03	0.012	0.017
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 9	State 9	656000	3840	1	16.48	18.00	1.419	-	-	0.13	0.228	0.324
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 9	State 9	656000	3840	1	16.41	18.00	1.442	-	-	0.05	0.015	0.022
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 9	656000	3840	1	16.41	18.00	1.442	-	-	0.18	0.286	0.412
	FR1 n77PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 9	656000	3840	1	18.14	19.50	1.368	50	1.000	-0.13	0.200	0.274
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 9	State 10	633332	3499.98	1	18.11	19.50	1.377	-	-	-0.13	0.011	0.015
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 9	State 10	633332	3499.98	1	18.11	19.50	1.377	-	-	-0.09	0.152	0.209
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 9	State 10	633332	3499.98	1	18.09	19.50	1.384	-	-	-0.16	0.012	0.017
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 10	633332	3499.98	1	18.09	19.50	1.384	-	-	-0.15	0.182	0.252
	FR1 n77PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 10	633332	3499.98	1	19.60	21.00	1.380	50	1.000	-0.01	0.122	0.168
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 9	State 9	633332	3499.98	1	16.62	18.00	1.374	-	-	0.05	0.013	0.018
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 9	State 9	633332	3499.98	1	16.62	18.00	1.374	-	-	0.19	0.103	0.142
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 9	State 9	633332	3499.98	1	16.60	18.00	1.380	-	-	0.08	0.009	0.012
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 9	633332	3499.98	1	16.60	18.00	1.380	-	-	-0.19	0.134	0.185
	FR1 n77PC2	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 9	State 9	633332	3499.98	1	18.13	19.50	1.371	50	1.000	-0.11	0.086	0.118
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 10	State 10	656000	3840	1	23.42	25.00	1.439	-	-	-0.17	0.063	0.091
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 10	656000	3840	1	23.42	25.00	1.439	-	-	-0.12	0.318	0.458
	FR1 n77PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 10	656000	3840	1	25.17	26.50	1.358	50	1.000	0.01	0.219	0.297
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 10	State 10	656000	3840	1	23.34	25.00	1.466	-	-	-0.08	0.068	0.100
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 10	State 10	656000	3840	1	23.34	25.00	1.466	-	-	-0.08	0.256	0.375
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 10	State 9	656000	3840	1	21.45	23.00	1.429	-	-	0.13	0.037	0.053
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 9	656000	3840	1	21.45	23.00	1.429	-	-	-0.07	0.193	0.276
	FR1 n77PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 9	656000	3840	1	23.13	24.50	1.371	50	1.000	0.03	0.138	0.189
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 10	State 9	656000	3840	1	21.44	23.00	1.432	-	-	-0.06	0.041	0.059
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 10	State 9	656000	3840	1	21.44	23.00	1.432	-	-	0.06	0.184	0.264
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 10	State 10	633332	3499.98	1	23.39	25.00	1.449	-	-	-0.08	0.143	0.207
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 10	633332	3499.98	1	23.39	25.00	1.449	-	-	-0.09	0.295	0.427
	FR1 n77PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 10	633332	3499.98	1	25.12	26.50	1.374	50	1.000	0.05	0.207	0.284
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 10	State 10	633332	3499.98	1	23.28	25.00	1.486	-	-	-0.07	0.116	0.172
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 10	State 10	633332	3499.98	1	23.28	25.00	1.486	-	-	-0.15	0.270	0.401
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 10	State 9	633332	3499.98	1	21.41	23.00	1.442	-	-	-0.18	0.094	0.136
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 9	633332	3499.98	1	21.41	23.00	1.442	-	-	0.12	0.184	0.265
	FR1 n77PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 10	State 9	633332	3499.98	1	23.03	24.50	1.403	50	1.000	-0.02	0.137	0.192
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 10	State 9	633332	3499.98	1	21.34	23.00	1.466	-	-	-0.19	0.084	0.123
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 10	State 9	633332	3499.98	1	21.34	23.00	1.466	-	-	-0.03	0.174	0.255



<Inter CA SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																		
	LTE Band 12	10M	QPSK	1	0	Front	15mm	Ant 0	State 10/9	23095	707.5	ID:16	21.60	23.00	1.380	0.11	0.100	0.138
	LTE Band 12	10M	QPSK	1	0	Back	15mm	Ant 0	State 10/9	23095	707.5	ID:16	21.60	23.00	1.380	0.02	0.124	0.171
	LTE Band 12	10M	QPSK	25	0	Front	15mm	Ant 0	State 10/9	23095	707.5	ID:16	20.56	22.00	1.393	-0.07	0.082	0.114
	LTE Band 12	10M	QPSK	25	0	Back	15mm	Ant 0	State 10/9	23095	707.5	ID:16	20.56	22.00	1.393	-0.01	0.108	0.150
	LTE Band 12	10M	QPSK	1	0	Front	15mm	Ant 2	State 10/9	23095	707.5	ID:17	21.60	23.00	1.380	-0.08	0.085	0.117
	LTE Band 12	10M	QPSK	1	0	Back	15mm	Ant 2	State 10/9	23095	707.5	ID:17	21.60	23.00	1.380	0.16	0.063	0.087
	LTE Band 12	10M	QPSK	25	0	Front	15mm	Ant 2	State 10/9	23095	707.5	ID:17	20.56	22.00	1.393	0.15	0.071	0.099
	LTE Band 12	10M	QPSK	25	0	Back	15mm	Ant 2	State 10/9	23095	707.5	ID:17	20.56	22.00	1.393	0.14	0.052	0.072
835MHz																		
	LTE Band 5	10M	QPSK	1	0	Front	15mm	Ant 0	State 10/9	20525	836.5	ID:16	21.18	23.00	1.521	0.04	0.100	0.152
	LTE Band 5	10M	QPSK	1	0	Back	15mm	Ant 0	State 10/9	20525	836.5	ID:16	21.18	23.00	1.521	-0.11	0.156	0.237
	LTE Band 5	10M	QPSK	25	0	Front	15mm	Ant 0	State 10/9	20525	836.5	ID:16	20.18	22.00	1.521	0.03	0.084	0.128
	LTE Band 5	10M	QPSK	25	0	Back	15mm	Ant 0	State 10/9	20525	836.5	ID:16	20.18	22.00	1.521	0.18	0.115	0.175
	LTE Band 5	10M	QPSK	1	0	Front	15mm	Ant 2	State 10/9	20525	836.5	ID:17	21.18	23.00	1.521	0.13	0.081	0.123
	LTE Band 5	10M	QPSK	1	0	Back	15mm	Ant 2	State 10/9	20525	836.5	ID:17	21.18	23.00	1.521	-0.16	0.060	0.091
	LTE Band 5	10M	QPSK	25	0	Front	15mm	Ant 2	State 10/9	20525	836.5	ID:17	20.18	22.00	1.521	-0.14	0.064	0.097
	LTE Band 5	10M	QPSK	25	0	Back	15mm	Ant 2	State 10/9	20525	836.5	ID:17	20.18	22.00	1.521	0.05	0.049	0.075
1750MHz																		
	LTE Band 66	20M	QPSK	1	0	Front	15mm	Ant 1	State 10/9	132322	1745	ID:76	21.95	23.00	1.274	-0.06	0.088	0.112
	LTE Band 66	20M	QPSK	1	0	Back	15mm	Ant 1	State 10/9	132322	1745	ID:76	21.95	23.00	1.274	0.15	0.112	0.143
	LTE Band 66	20M	QPSK	50	0	Front	15mm	Ant 1	State 10/9	132322	1745	ID:76	20.86	22.00	1.300	0.07	0.072	0.094
	LTE Band 66	20M	QPSK	50	0	Back	15mm	Ant 1	State 10/9	132322	1745	ID:76	20.86	22.00	1.300	0.12	0.076	0.099
	LTE Band 66	20M	QPSK	1	0	Front	15mm	Ant 2	State 10/9	132322	1745	ID:77	21.95	23.00	1.274	-0.07	0.028	0.036
	LTE Band 66	20M	QPSK	1	0	Back	15mm	Ant 2	State 10/9	132322	1745	ID:77	21.95	23.00	1.274	0.14	0.029	0.037
	LTE Band 66	20M	QPSK	50	0	Front	15mm	Ant 2	State 10/9	132322	1745	ID:77	20.86	22.00	1.300	0.09	0.023	0.030
	LTE Band 66	20M	QPSK	50	0	Back	15mm	Ant 2	State 10/9	132322	1745	ID:77	20.86	22.00	1.300	-0.16	0.025	0.033
	LTE Band 66	20M	QPSK	1	0	Front	15mm	Ant 7	State 10/9	132322	1745	ID:78	19.26	20.50	1.330	0.06	0.018	0.024
	LTE Band 66	20M	QPSK	1	0	Back	15mm	Ant 7	State 10/9	132322	1745	ID:78	19.26	20.50	1.330	-0.18	0.048	0.064
	LTE Band 66	20M	QPSK	50	0	Front	15mm	Ant 7	State 10/9	132322	1745	ID:78	18.23	19.50	1.340	0.05	0.018	0.024
	LTE Band 66	20M	QPSK	50	0	Back	15mm	Ant 7	State 10/9	132322	1745	ID:78	18.23	19.50	1.340	0.02	0.026	0.035
1900MHz																		
	LTE Band 2	20M	QPSK	1	0	Front	15mm	Ant 1	State 10/9	18900	1880	ID:76	21.95	23.00	1.274	0.15	0.166	0.211
	LTE Band 2	20M	QPSK	1	0	Back	15mm	Ant 1	State 10/9	18900	1880	ID:76	21.95	23.00	1.274	0.13	0.245	0.312
	LTE Band 2	20M	QPSK	50	0	Front	15mm	Ant 1	State 10/9	18900	1880	ID:76	20.83	22.00	1.309	0.05	0.124	0.162
	LTE Band 2	20M	QPSK	50	0	Back	15mm	Ant 1	State 10/9	18900	1880	ID:76	20.83	22.00	1.309	0.14	0.203	0.266
	LTE Band 2	20M	QPSK	1	0	Front	15mm	Ant 2	State 10/9	18900	1880	ID:77	21.95	23.00	1.274	-0.11	0.032	0.041
	LTE Band 2	20M	QPSK	1	0	Back	15mm	Ant 2	State 10/9	18900	1880	ID:77	21.95	23.00	1.274	0.07	0.028	0.036
	LTE Band 2	20M	QPSK	50	0	Front	15mm	Ant 2	State 10/9	18900	1880	ID:77	20.83	22.00	1.309	-0.13	0.023	0.030
	LTE Band 2	20M	QPSK	50	0	Back	15mm	Ant 2	State 10/9	18900	1880	ID:77	20.83	22.00	1.309	0.13	0.022	0.029
	LTE Band 2	20M	QPSK	1	0	Front	15mm	Ant 7	State 10/9	18900	1880	ID:78	19.35	20.50	1.303	0.03	0.047	0.061
	LTE Band 2	20M	QPSK	1	0	Back	15mm	Ant 7	State 10/9	18900	1880	ID:78	19.35	20.50	1.303	0.16	0.101	0.132
	LTE Band 2	20M	QPSK	50	0	Front	15mm	Ant 7	State 10/9	18900	1880	ID:78	18.33	19.50	1.309	-0.1	0.038	0.050
	LTE Band 2	20M	QPSK	50	0	Back	15mm	Ant 7	State 10/9	18900	1880	ID:78	18.33	19.50	1.309	-0.13	0.061	0.080
2300MHz																		
	LTE Band 30	10M	QPSK	1	0	Front	15mm	Ant 1	State 10/9	27710	2310	ID:60	19.45	20.50	1.274	0.04	0.018	0.023
	LTE Band 30	10M	QPSK	1	0	Back	15mm	Ant 1	State 10/9	27710	2310	ID:60	19.45	20.50	1.274	0.11	0.026	0.033
	LTE Band 30	10M	QPSK	25	0	Front	15mm	Ant 1	State 10/9	27710	2310	ID:60	18.42	19.50	1.282	-0.12	0.014	0.018
	LTE Band 30	10M	QPSK	25	0	Back	15mm	Ant 1	State 10/9	27710	2310	ID:60	18.42	19.50	1.282	0.17	0.018	0.023
	LTE Band 30	10M	QPSK	1	0	Front	15mm	Ant 2	State 10/9	27710	2310	ID:61	19.45	20.50	1.274	-0.04	0.024	0.031
	LTE Band 30	10M	QPSK	1	0	Back	15mm	Ant 2	State 10/9	27710	2310	ID:61	19.45	20.50	1.274	-0.13	0.019	0.024
	LTE Band 30	10M	QPSK	25	0	Front	15mm	Ant 2	State 10/9	27710	2310	ID:61	18.42	19.50	1.282	0.12	0.019	0.024
	LTE Band 30	10M	QPSK	25	0	Back	15mm	Ant 2	State 10/9	27710	2310	ID:61	18.42	19.50	1.282	0.06	0.013	0.017



2600MHz																		
	LTE Band 7	20M	QPSK	1	0	Front	15mm	Ant 1	State 10/9	21100	2535	ID:116	22.14	23.00	1.219	-0.06	0.216	0.263
	LTE Band 7	20M	QPSK	1	0	Back	15mm	Ant 1	State 10/9	21100	2535	ID:116	22.14	23.00	1.219	0.02	0.231	0.282
	LTE Band 7	20M	QPSK	50	0	Front	15mm	Ant 1	State 10/9	21100	2535	ID:116	21.13	22.00	1.222	-0.19	0.160	0.195
	LTE Band 7	20M	QPSK	50	0	Back	15mm	Ant 1	State 10/9	21100	2535	ID:116	21.13	22.00	1.222	0.02	0.194	0.237
	LTE Band 7	20M	QPSK	1	0	Front	15mm	Ant 2	State 10/9	21100	2535	ID:117	22.14	23.00	1.219	0.06	0.066	0.080
	LTE Band 7	20M	QPSK	1	0	Back	15mm	Ant 2	State 10/9	21100	2535	ID:117	22.14	23.00	1.219	-0.17	0.225	0.274
	LTE Band 7	20M	QPSK	50	0	Front	15mm	Ant 2	State 10/9	21100	2535	ID:117	21.13	22.00	1.222	-0.13	0.052	0.064
	LTE Band 7	20M	QPSK	50	0	Back	15mm	Ant 2	State 10/9	21100	2535	ID:117	21.13	22.00	1.222	0.02	0.175	0.214

<ENDC SAR>

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	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																			
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	State 10/9	136100	680.5	1	24.82	26.00	1.312	-0.18	0.005	0.007
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 0	State 10/9	136100	680.5	1	24.82	26.00	1.312	-0.02	0.021	0.028
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 0	State 10/9	136100	680.5	1	24.61	26.00	1.377	-0.14	0.004	0.006
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 0	State 10/9	136100	680.5	1	24.61	26.00	1.377	0.02	0.019	0.026
	FR1 n71	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	136100	680.5	1	24.82	26.00	1.312	0.02	0.175	0.230
	FR1 n71	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	136100	680.5	1	24.82	26.00	1.312	0.06	0.122	0.160
	FR1 n71	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10/9	136100	680.5	1	24.61	26.00	1.377	-0.17	0.162	0.223
	FR1 n71	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	136100	680.5	1	24.61	26.00	1.377	-0.03	0.111	0.153
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 0	State 10/9	23095	707.5	1	24.57	26.00	1.390	-0.1	0.199	0.277
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	State 10/9	23095	707.5	1	24.57	26.00	1.390	-0.06	0.248	0.345
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 0	State 10/9	23095	707.5	1	23.58	25.00	1.387	-0.07	0.164	0.227
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 0	State 10/9	23095	707.5	1	23.58	25.00	1.387	0.07	0.215	0.298
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	23095	707.5	1	24.57	26.00	1.390	-0.15	0.169	0.235
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	23095	707.5	1	24.57	26.00	1.390	0.05	0.125	0.174
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 2	State 10/9	23095	707.5	1	23.58	25.00	1.387	-0.15	0.142	0.197
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 2	State 10/9	23095	707.5	1	23.58	25.00	1.387	0.02	0.104	0.144
835MHz																			
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 0	State 10	20525	836.5	1	24.15	26.00	1.531	-0.15	0.173	0.265
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 0	State 10	20525	836.5	1	24.15	26.00	1.531	0.04	0.298	0.456
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 0	State 10	20525	836.5	1	23.15	25.00	1.531	-0.18	0.146	0.224
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 0	State 10	20525	836.5	1	23.15	25.00	1.531	0.02	0.205	0.314
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 0	State 9	20525	836.5	1	23.35	25.00	1.462	-0.09	0.158	0.231
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 0	State 9	20525	836.5	1	23.35	25.00	1.462	0.05	0.248	0.363
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 0	State 9	20525	836.5	1	22.33	24.00	1.469	0.15	0.133	0.195
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 0	State 9	20525	836.5	1	22.33	24.00	1.469	0.05	0.183	0.269
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	20525	836.5	1	24.15	26.00	1.531	-0.18	0.153	0.234
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	20525	836.5	1	24.15	26.00	1.531	0.04	0.109	0.167
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 2	State 10/9	20525	836.5	1	23.15	25.00	1.531	-0.09	0.124	0.190
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 2	State 10/9	20525	836.5	1	23.15	25.00	1.531	0.02	0.095	0.145
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	State 10	167300	836.5	1	24.71	26.00	1.346	-0.11	0.095	0.128
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 0	State 10	167300	836.5	1	24.71	26.00	1.346	-0.02	0.245	0.330
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 0	State 10	167300	836.5	1	24.52	26.00	1.406	-0.07	0.087	0.122
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 0	State 10	167300	836.5	1	24.52	26.00	1.406	-0.04	0.107	0.150
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 0	State 9	167300	836.5	1	23.79	25.00	1.321	0.08	0.075	0.099
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 0	State 9	167300	836.5	1	23.79	25.00	1.321	0.15	0.195	0.258
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 0	State 9	167300	836.5	1	23.69	25.00	1.352	-0.02	0.069	0.093
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 0	State 9	167300	836.5	1	23.69	25.00	1.352	0.05	0.085	0.115
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	167300	836.5	1	24.71	26.00	1.346	-0.09	0.209	0.281
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	167300	836.5	1	24.71	26.00	1.346	-0.03	0.161	0.217
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10/9	167300	836.5	1	24.52	26.00	1.406	-0.18	0.151	0.212
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	167300	836.5	1	24.52	26.00	1.406	-0.03	0.112	0.157
1750MHz																			



FCC SAR Test Report

Report No. : FA2D3005

LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	132322	1745	1	25.01	26.00	1.256	-0.12	0.176	0.221
LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	132322	1745	1	25.01	26.00	1.256	-0.17	0.223	0.280
LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 1	State 10/9	132322	1745	1	24.00	25.00	1.259	-0.14	0.143	0.180
LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 1	State 10/9	132322	1745	1	24.00	25.00	1.259	0.06	0.151	0.190
LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	132322	1745	1	25.01	26.00	1.256	-0.14	0.056	0.070
LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	132322	1745	1	25.01	26.00	1.256	-0.01	0.058	0.073
LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10/9	132322	1745	1	24.00	25.00	1.259	-0.13	0.045	0.057
LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10/9	132322	1745	1	24.00	25.00	1.259	-0.01	0.050	0.063
LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 7	State 10/9	132322	1745	1	21.92	23.50	1.439	-0.18	0.039	0.056
LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 7	State 10/9	132322	1745	1	21.92	23.50	1.439	-0.04	0.109	0.157
LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 7	State 10/9	132322	1745	1	20.81	22.50	1.476	-0.18	0.035	0.052
LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 7	State 10/9	132322	1745	1	20.81	22.50	1.476	0	0.052	0.077
FR1 n66	30M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 10/9	349000	1745	1	24.87	26.00	1.297	-0.07	0.157	0.204
FR1 n66	30M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 10/9	349000	1745	1	24.87	26.00	1.297	0.01	0.168	0.218
FR1 n66	30M	QPSK	80	40	DFT-15	Front	15mm	Ant 1	State 10/9	349000	1745	1	24.85	26.00	1.303	-0.15	0.166	0.216
FR1 n66	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 1	State 10/9	349000	1745	1	24.85	26.00	1.303	0.01	0.172	0.224
FR1 n66	30M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	349000	1745	1	24.87	26.00	1.297	-0.15	0.046	0.060
FR1 n66	30M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	349000	1745	1	24.87	26.00	1.297	0.06	0.073	0.095
FR1 n66	30M	QPSK	80	40	DFT-15	Front	15mm	Ant 2	State 10/9	349000	1745	1	24.85	26.00	1.303	-0.1	0.042	0.055
FR1 n66	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 2	State 10/9	349000	1745	1	24.85	26.00	1.303	0.04	0.051	0.066
FR1 n66	30M	QPSK	1	1	DFT-15	Front	15mm	Ant 7	State 10/9	349000	1745	1	22.24	23.50	1.337	-0.09	0.041	0.055
FR1 n66	30M	QPSK	1	1	DFT-15	Back	15mm	Ant 7	State 10/9	349000	1745	1	22.24	23.50	1.337	0.01	0.125	0.167
FR1 n66	30M	QPSK	80	40	DFT-15	Front	15mm	Ant 7	State 10/9	349000	1745	1	22.23	23.50	1.340	-0.14	0.038	0.051
FR1 n66	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 7	State 10/9	349000	1745	1	22.23	23.50	1.340	-0.04	0.074	0.099
1900MHz																		
LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	18900	1880	1	23.43	24.50	1.279	-0.15	0.217	0.278
LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	18900	1880	1	23.43	24.50	1.279	0.01	0.307	0.393
LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 1	State 10/9	18900	1880	1	22.40	23.50	1.288	-0.17	0.165	0.213
LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 1	State 10/9	18900	1880	1	22.40	23.50	1.288	0.04	0.281	0.362
LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	18900	1880	1	25.00	26.00	1.259	-0.13	0.061	0.077
LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	18900	1880	1	25.00	26.00	1.259	0.01	0.054	0.068
LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10/9	18900	1880	1	23.95	25.00	1.274	-0.13	0.043	0.055
LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10/9	18900	1880	1	23.95	25.00	1.274	0.06	0.041	0.052
FR1 n25	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 10	376500	1882.5	1	24.24	25.00	1.191	-0.18	0.320	0.381
FR1 n25	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 10	376500	1882.5	1	24.24	25.00	1.191	0.04	0.412	0.491
FR1 n25	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 1	State 10	376500	1882.5	1	24.13	25.00	1.222	-0.15	0.337	0.412
FR1 n25	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	State 10	376500	1882.5	1	24.13	25.00	1.222	-0.11	0.423	0.517
FR1 n25	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 9	376500	1882.5	1	21.59	22.50	1.233	0.03	0.180	0.222
FR1 n25	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 9	376500	1882.5	1	21.59	22.50	1.233	-0.03	0.231	0.285
FR1 n25	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 1	State 9	376500	1882.5	1	21.57	22.50	1.239	-0.1	0.190	0.235
FR1 n25	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	State 9	376500	1882.5	1	21.57	22.50	1.239	-0.01	0.238	0.295
FR1 n25	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10/9	376500	1882.5	1	25.06	26.00	1.242	-0.18	0.061	0.076
FR1 n25	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10/9	376500	1882.5	1	25.06	26.00	1.242	-0.02	0.054	0.067
FR1 n25	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10/9	376500	1882.5	1	24.91	26.00	1.285	-0.09	0.059	0.076
FR1 n25	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10/9	376500	1882.5	1	24.91	26.00	1.285	0.05	0.053	0.068
FR1 n2	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 7	State 10/9	376000	1880	1	22.76	23.50	1.186	-0.12	0.115	0.136
FR1 n2	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 7	State 10/9	376000	1880	1	22.76	23.50	1.186	-0.01	0.213	0.253
FR1 n2	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 7	State 10/9	376000	1880	1	22.64	23.50	1.219	-0.09	0.117	0.143
FR1 n2	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 7	State 10/9	376000	1880	1	22.64	23.50	1.219	0.02	0.223	0.272
2300MHz																		
LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	27710	2310	1	22.88	23.50	1.153	-0.12	0.062	0.072
LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	27710	2310	1	22.88	23.50	1.153	-0.03	0.101	0.116
LTE Band 30	10M	QPSK	25	0	-	Front	15mm	Ant 1	State 10/9	27710	2310	1	21.82	22.50	1.169	-0.13	0.056	0.065
LTE Band 30	10M	QPSK	25	0	-	Back	15mm	Ant 1	State 10/9	27710	2310	1	21.82	22.50	1.169	0.01	0.078	0.091
LTE Band 30	10M	QPSK	1	0	-	Front	15mm	Ant 2	State 10/9	27710	2310	1	22.88	23.50	1.153	-0.1	0.048	0.055
LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 2	State 10/9	27710	2310	1	22.88	23.50	1.153	0.03	0.038	0.044



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LTE Band 30	10M	QPSK	25	0	-	Front	15mm	Ant 2	State 10/9	27710	2310	1	21.82	22.50	1.169	-0.16	0.038	0.044
LTE Band 30	10M	QPSK	25	0	-	Back	15mm	Ant 2	State 10/9	27710	2310	1	21.82	22.50	1.169	0.03	0.025	0.029
FR1 n30	10M	QPSK	1	1	DFT-15	Front	15mm	Ant 7	State 10/9	462000	2310	1	21.99	23.50	1.416	-0.09	0.071	0.101
FR1 n30	10M	QPSK	1	1	DFT-15	Back	15mm	Ant 7	State 10/9	462000	2310	1	21.99	23.50	1.416	0.05	0.073	0.103
FR1 n30	10M	QPSK	25	14	DFT-15	Front	15mm	Ant 7	State 10/9	462000	2310	1	21.85	23.50	1.462	-0.11	0.064	0.094
FR1 n30	10M	QPSK	25	14	DFT-15	Back	15mm	Ant 7	State 10/9	462000	2310	1	21.85	23.50	1.462	-0.01	0.065	0.095
2600MHz																		
LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 1	State 10/9	21100	2535	1	22.50	23.50	1.259	-0.17	0.242	0.305
LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 1	State 10/9	21100	2535	1	22.50	23.50	1.259	-0.04	0.259	0.326
LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 1	State 10/9	21100	2535	1	21.56	22.50	1.242	-0.13	0.180	0.223
LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 1	State 10/9	21100	2535	1	21.56	22.50	1.242	0.06	0.218	0.271
LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 10	21100	2535	1	23.91	25.00	1.285	-0.12	0.104	0.134
LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 10	21100	2535	1	23.91	25.00	1.285	-0.04	0.356	0.458
LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 10	21100	2535	1	22.97	24.00	1.268	-0.07	0.083	0.105
LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 10	21100	2535	1	22.97	24.00	1.268	0.05	0.277	0.351
LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 2	State 9	21100	2535	1	22.88	24.00	1.294	0.12	0.083	0.107
LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 2	State 9	21100	2535	1	22.88	24.00	1.294	-0.12	0.283	0.366
LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 2	State 9	21100	2535	1	21.85	23.00	1.303	0.05	0.066	0.086
LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 2	State 9	21100	2535	1	21.85	23.00	1.303	0.08	0.220	0.287
FR1 n7	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 1	State 10/9	507000	2535	1	21.88	22.50	1.153	-0.1	0.173	0.200
FR1 n7	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 1	State 10/9	507000	2535	1	21.88	22.50	1.153	0.04	0.209	0.241
FR1 n7	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 1	State 10/9	507000	2535	1	21.69	22.50	1.205	-0.16	0.166	0.200
FR1 n7	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	State 10/9	507000	2535	1	21.69	22.50	1.205	0.03	0.171	0.206
FR1 n7	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 10	507000	2535	1	24.97	26.00	1.268	-0.14	0.185	0.235
FR1 n7	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 10	507000	2535	1	24.97	26.00	1.268	0.02	0.386	0.489
FR1 n7	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 10	507000	2535	1	24.91	26.00	1.285	-0.07	0.191	0.245
FR1 n7	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 10	507000	2535	1	24.91	26.00	1.285	-0.1	0.391	0.503
FR1 n7	20M	QPSK	1	1	DFT-15	Front	15mm	Ant 2	State 9	507000	2535	1	22.49	23.50	1.262	0.15	0.104	0.131
FR1 n7	20M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	State 9	507000	2535	1	22.49	23.50	1.262	-0.11	0.217	0.274
FR1 n7	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 2	State 9	507000	2535	1	22.41	23.50	1.285	0.16	0.108	0.139
FR1 n7	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 2	State 9	507000	2535	1	22.41	23.50	1.285	0.01	0.220	0.283
FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-0.18	0.085	0.110
FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-0.12	0.065	0.084
FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-0.1	0.079	0.106
FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-0.18	0.058	0.078
FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-0.13	0.056	0.072
FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	24.88	26.00	1.294	-0.09	0.085	0.110
FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-0.18	0.051	0.069
FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	24.71	26.00	1.346	-0.15	0.075	0.101
3000MHz																		
FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	656000	3840	1	24.36	26.00	1.459	-0.12	0.107	0.156
FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	656000	3840	1	24.36	26.00	1.459	-0.14	0.101	0.147
FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	656000	3840	1	24.25	26.00	1.496	-0.09	0.129	0.193
FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	State 10/9	656000	3840	1	24.25	26.00	1.496	-0.18	0.125	0.187
FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	633332	3499.98	1	24.53	26.00	1.403	-0.12	0.205	0.288
FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	633332	3499.98	1	24.53	26.00	1.403	-0.12	0.126	0.177
FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	633332	3499.98	1	24.39	26.00	1.449	-0.12	0.166	0.240
FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	State 10/9	633332	3499.98	1	24.39	26.00	1.449	-0.13	0.114	0.165
FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10	656000	3840	1	24.36	26.00	1.459	-0.07	0.042	0.061
FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10	656000	3840	1	24.36	26.00	1.459	-0.09	0.115	0.168
FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 10	656000	3840	1	24.25	26.00	1.496	-0.13	0.043	0.064
FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10	656000	3840	1	24.25	26.00	1.496	-0.09	0.142	0.212
FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 9	656000	3840	1	22.89	24.50	1.449	0.02	0.030	0.043
FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 9	656000	3840	1	22.89	24.50	1.449	0.08	0.081	0.117
FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 9	656000	3840	1	22.83	24.50	1.469	0.12	0.030	0.044
FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 9	656000	3840	1	22.83	24.50	1.469	0.15	0.101	0.148



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	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10	633332	3499.98	1	24.53	26.00	1.403	-0.17	0.122	0.171
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10	633332	3499.98	1	24.53	26.00	1.403	-0.17	0.296	0.415
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 10	633332	3499.98	1	24.39	26.00	1.449	-0.14	0.113	0.164
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10	633332	3499.98	1	24.39	26.00	1.449	-0.09	0.187	0.271
	FR1 n77	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 9	633332	3499.98	1	23.07	24.50	1.390	-0.02	0.086	0.120
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 9	633332	3499.98	1	23.07	24.50	1.390	0.15	0.210	0.292
	FR1 n77	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 9	633332	3499.98	1	22.96	24.50	1.426	0.05	0.080	0.114
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 9	633332	3499.98	1	22.96	24.50	1.426	-0.02	0.132	0.188

<UL MIMO SAR>

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)
2600MHz																					
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 1	State 10/9	518598	2592.99	1	21.65	23.00	1.365	-	-	0.02	0.159	0.217
78	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 1	State 10/9	518598	2592.99	1	21.65	23.00	1.365	-	-	-0.05	0.188	0.257
	FR1 n41 PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 1	State 10/9	518598	2592.99	1	23.12	24.50	1.374	50	1.000	-0.05	0.145	0.199
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 1	State 10/9	518598	2592.99	1	21.63	23.00	1.371	-	-	-0.11	0.141	0.193
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 1	State 10/9	518598	2592.99	1	21.63	23.00	1.371	-	-	-0.15	0.146	0.200
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 2	State 10/9	518598	2592.99	1	21.65	23.00	1.365	-	-	-0.18	0.067	0.091
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 2	State 10/9	518598	2592.99	1	21.65	23.00	1.365	-	-	-0.15	0.127	0.173
	FR1 n41 PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 2	State 10/9	518598	2592.99	1	23.12	24.50	1.374	50	1.000	-0.15	0.095	0.131
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 2	State 10/9	518598	2592.99	1	21.63	23.00	1.371	-	-	-0.15	0.090	0.123
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 2	State 10/9	518598	2592.99	1	21.63	23.00	1.371	-	-	-0.09	0.071	0.097
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	21.51	23.00	1.409	-	-	-0.18	0.047	0.066
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 8	State 10/9	518598	2592.99	1	21.51	23.00	1.409	-	-	-0.12	0.036	0.051
	FR1 n41 PC2	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	23.08	24.50	1.387	50	1.000	-0.18	0.027	0.037
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	State 10/9	518598	2592.99	1	21.46	23.00	1.426	-	-	-0.1	0.045	0.064
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	State 10/9	518598	2592.99	1	21.46	23.00	1.426	-	-	-0.18	0.033	0.047
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	15mm	Ant 7	State 10/9	518598	2592.99	1	21.51	23.00	1.409	-	-	-0.13	0.031	0.044
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	21.51	23.00	1.409	-	-	-0.09	0.047	0.066
	FR1 n41 PC2	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	23.08	24.50	1.387	50	1.000	0.03	0.036	0.050
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	State 10/9	518598	2592.99	1	21.46	23.00	1.426	-	-	-0.18	0.029	0.041
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	State 10/9	518598	2592.99	1	21.46	23.00	1.426	-	-	-0.15	0.043	0.061



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Operating Mode	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)
2450MHz																		
82	Bluetooth	DH5 1Mbps	Front	15mm	Ant 5		normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	-0.08	0.054	0.097
	Bluetooth	DH5 1Mbps	Back	15mm	Ant 5		normal	39	2441	1	15.60	17.00	1.380	76.89	1.301	0.04	0.035	0.063
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 4		normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	-0.07	0.015	0.030
	Bluetooth	DH5 1Mbps	Back	15mm	Ant 4		normal	39	2441	1	13.20	15.00	1.514	76.89	1.301	-0.18	0.016	0.032
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 5		camera	39	2441	1	15.60	17.00	1.380	76.89	1.301	0.12	0.039	0.070
	Bluetooth	DH5 1Mbps	Back	15mm	Ant 5		camera	39	2441	1	15.60	17.00	1.380	76.89	1.301	0	0.031	0.056
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 6		camera	39	2441	1	12.10	13.50	1.380	76.7	1.304	-0.03	0.006	0.011
	Bluetooth	DH5 1Mbps	Back	15mm	Ant 6		camera	39	2441	1	12.10	13.50	1.380	76.7	1.304	0.16	0.011	0.020
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 5	Rec off	normal	6	2437	1	19.80	21.50	1.479	100	1.000	-0.11	0.225	0.333
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 5	Rec off	normal	6	2437	1	19.80	21.50	1.479	100	1.000	0.13	0.192	0.284
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 4	Rec off	normal	6	2437	1	19.80	21.50	1.479	100	1.000	-0.18	0.144	0.213
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 4	Rec off	normal	6	2437	1	19.80	21.50	1.479	100	1.000	0.07	0.260	0.385
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 5+4	Rec off	normal	6	2437	1	22.81	24.50	1.476	100	1.000	-0.01	0.161	0.238
83	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 5+4	Rec off	normal	6	2437	1	22.81	24.50	1.476	100	1.000	0.12	0.338	0.499
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 5	Rec off	camera	6	2437	1	19.80	21.50	1.479	100	1.000	-0.07	0.138	0.204
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 5	Rec off	camera	6	2437	1	19.80	21.50	1.479	100	1.000	0.13	0.123	0.182
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6	Rec off	camera	6	2437	1	18.80	20.00	1.318	100	1.000	-0.04	0.038	0.050
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6	Rec off	camera	6	2437	1	18.80	20.00	1.318	100	1.000	-0.06	0.064	0.084
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 5+6	Rec off	camera	6	2437	1	22.34	24.00	1.466	100	1.000	-0.18	0.172	0.252
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 5+6	Rec off	camera	6	2437	1	22.34	24.00	1.466	100	1.000	-0.02	0.214	0.314
5000MHz																		
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 5	Rec off	normal	50	5250	1	18.10	19.50	1.380	100	1.000	-0.17	0.144	0.199
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 5	Rec off	normal	50	5250	1	18.10	19.50	1.380	100	1.000	0.11	0.139	0.192
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 4	Rec off	normal	50	5250	1	18.52	20.50	1.578	100	1.000	-0.09	0.107	0.169
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 4	Rec off	normal	50	5250	1	18.52	20.50	1.578	100	1.000	0.17	0.099	0.156
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 5+4	Rec off	normal	50	5250	1	21.02	22.50	1.406	100	1.000	-0.15	0.132	0.186
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 5+4	Rec off	normal	50	5250	1	21.02	22.50	1.406	100	1.000	0.1	0.126	0.177
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 5	Rec off	camera	50	5250	1	17.72	18.50	1.197	100	1.000	0.06	0.153	0.183
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 5	Rec off	camera	50	5250	1	17.72	18.50	1.197	100	1.000	-0.1	0.127	0.152
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6	Rec off	camera	50	5250	1	17.52	19.50	1.578	100	1.000	0.08	0.199	0.314
84	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6	Rec off	camera	50	5250	1	17.52	19.50	1.578	100	1.000	0.02	0.277	0.437
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 5+6	Rec off	camera	50	5250	1	20.32	21.00	1.169	100	1.000	0.03	0.127	0.149
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 5+6	Rec off	camera	50	5250	1	20.32	21.00	1.169	100	1.000	0.09	0.249	0.291
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5	Rec off	normal	106	5530	1	16.20	18.00	1.514	100	1.000	0.17	0.147	0.222
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Rec off	normal	106	5530	1	16.20	18.00	1.514	100	1.000	0.04	0.138	0.209
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 4	Rec off	normal	106	5530	1	20.05	21.50	1.396	100	1.000	-0.15	0.262	0.366
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 4	Rec off	normal	106	5530	1	20.05	21.50	1.396	100	1.000	-0.06	0.139	0.194
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5+4	Rec off	normal	106	5530	1	19.45	21.00	1.429	100	1.000	-0.14	0.149	0.213
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5+4	Rec off	normal	106	5530	1	19.45	21.00	1.429	100	1.000	-0.1	0.126	0.180
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5	Rec off	camera	106	5530	1	16.90	18.00	1.288	100	1.000	-0.14	0.151	0.195
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Rec off	camera	106	5530	1	16.90	18.00	1.288	100	1.000	-0.05	0.142	0.183
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6	Rec off Standalone	camera	106	5530	1	18.52	20.50	1.578	100	1.000	0.08	0.176	0.278
85	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6	Rec off Standalone	camera	106	5530	1	18.52	20.50	1.578	100	1.000	-0.11	0.557	0.879
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6	Rec off Simultaneous	camera	106	5530	1	18.02	19.50	1.406	100	1.000	0.09	0.135	0.190
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6	Rec off Simultaneous	camera	106	5530	1	18.02	19.50	1.406	100	1.000	0.02	0.385	0.541
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5+6	Rec off	camera	106	5530	1	19.75	21.50	1.496	100	1.000	-0.04	0.108	0.162
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5+6	Rec off	camera	106	5530	1	19.75	21.50	1.496	100	1.000	-0.07	0.227	0.340
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5	Rec off	normal	155	5775	1	16.71	18.50	1.510	100	1.000	0.14	0.180	0.272
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Rec off	normal	155	5775	1	16.71	18.50	1.510	100	1.000	0.08	0.160	0.242



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	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 4	Rec off	normal	155	5775	1	19.89	21.50	1.449	100	1.000	-0.07	0.191	0.277
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 4	Rec off	normal	155	5775	1	19.89	21.50	1.449	100	1.000	-0.17	0.127	0.184
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5+4	Rec off	normal	155	5775	1	19.81	21.50	1.476	100	1.000	0.18	0.155	0.229
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5+4	Rec off	normal	155	5775	1	19.81	21.50	1.476	100	1.000	0.09	0.146	0.215
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5	Rec off	camera	155	5775	1	17.02	18.00	1.253	100	1.000	-0.01	0.201	0.252
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Rec off	camera	155	5775	1	17.02	18.00	1.253	100	1.000	0.03	0.175	0.219
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6	Rec off Standalone	camera	155	5775	1	18.53	19.50	1.250	100	1.000	-0.02	0.222	0.278
86	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6	Rec off Standalone	camera	155	5775	1	18.53	19.50	1.250	100	1.000	-0.13	0.738	0.923
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6	Rec off Standalone	camera	155	5775	2	18.53	19.50	1.250	100	1.000	0.08	0.632	0.790
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6	Rec off Simultaneous	camera	155	5775	1	17.15	18.00	1.216	100	1.000	-0.1	0.123	0.150
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6	Rec off Simultaneous	camera	155	5775	1	17.15	18.00	1.216	100	1.000	0	0.571	0.694
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 5+6	Rec off	camera	155	5775	1	19.58	21.50	1.556	100	1.000	-0.02	0.147	0.229
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5+6	Rec off	camera	155	5775	1	19.58	21.50	1.556	100	1.000	0.07	0.319	0.496



14.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	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)
835MHz																					
87	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	0mm	Ant 0	State 10	251	848.8	1	31.72	33.50	1.507	-	-	0.06	1.520	2.290
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	0mm	Ant 0	State 10	128	824.2	1	31.58	33.50	1.556	-	-	-0.14	1.560	2.427
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	0mm	Ant 0	State 10	189	836.4	1	31.68	33.50	1.521	-	-	0.06	1.650	2.509
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	0mm	Ant 0	State 10	189	836.4	2	31.68	33.50	1.521	-	-	0.01	1.210	1.840
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	0mm	Ant 0	State 10	251	848.8	1	31.72	33.50	1.507	-	-	0.1	1.430	2.154
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	0mm	Ant 0	State 10	128	824.2	1	31.58	33.50	1.556	-	-	0.19	1.480	2.303
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	0mm	Ant 0	State 10	189	836.4	1	31.68	33.50	1.521	-	-	-0.14	1.570	2.387
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	0mm	Ant 0	State 9	251	848.8	1	29.93	31.50	1.435	-	-	-0.13	1.240	1.780
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	0mm	Ant 0	State 9	251	848.8	1	29.93	31.50	1.435	-	-	-0.18	1.020	1.464
1900MHz																					
88	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Bottom Side	0mm	Ant 1	State 10/9	810	1909.8	1	28.03	29.50	1.403	-	-	0.1	2.110	2.960
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Bottom Side	0mm	Ant 1	State 10/9	512	1909.8	1	27.56	29.50	1.563	-	-	0.13	1.750	2.736
	GSM1900	-	-	-	-	GPRS(2 Tx slots)	Bottom Side	0mm	Ant 1	State 10/9	661	1909.8	1	27.84	29.50	1.466	-	-	-0.13	1.680	2.462
89	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	State 10/9	9262	1852.4	1	23.54	24.50	1.247	-	-	0.07	2.520	3.143
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	State 10/9	9262	1852.4	2	23.54	24.50	1.247	-	-	0.06	1.550	1.933
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	State 10/9	9400	1880	1	23.35	24.50	1.303	-	-	0.06	2.350	3.062
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	State 10/9	9538	1907.6	1	23.30	24.50	1.318	-	-	0.19	2.240	2.953
90	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	26340	1880	1	23.61	24.50	1.227	-	-	0.03	2.130	2.614
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	26140	1860	1	23.45	24.50	1.274	-	-	0.1	2.340	2.980
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	26590	1905	1	23.51	24.50	1.256	-	-	-0.04	2.080	2.613
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	26340	1880	1	22.48	23.50	1.265	-	-	-0.14	1.900	2.403
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	26140	1860	1	22.39	23.50	1.291	-	-	-0.13	1.990	2.570
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	26590	1905	1	22.44	23.50	1.276	-	-	-0.03	1.810	2.310
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	State 10/9	26340	1880	1	22.41	23.50	1.285	-	-	0.08	1.980	2.545
91	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	376500	1882.5	1	24.24	25.00	1.191	-	-	0.09	2.340	2.788
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	372000	1860	1	23.99	25.00	1.262	-	-	0.09	2.430	3.066
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	381000	1905	1	24.04	25.00	1.247	-	-	-0.01	2.310	2.881
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	376500	1882.5	1	24.13	25.00	1.222	-	-	-0.04	2.220	2.712
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	372000	1860	1	23.83	25.00	1.309	-	-	-0.07	2.340	3.063
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	381000	1905	1	23.92	25.00	1.282	-	-	0.16	2.190	2.808
	FR1 n25	20M	QPSK	100	0	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	376500	1882.5	1	24.11	25.00	1.227	-	-	0.06	2.370	2.909
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	21100	2535	1	22.50	23.50	1.259	-	-	0.12	1.950	2.455
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	20850	2510	1	22.38	23.50	1.294	-	-	0.05	2.150	2.783
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	21350	2560	1	22.44	23.50	1.276	-	-	-0.11	1.980	2.527
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	21100	2535	1	21.56	22.50	1.242	-	-	0.17	1.720	2.136
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	20850	2510	1	21.45	22.50	1.274	-	-	-0.12	1.820	2.318
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	21350	2560	1	21.51	22.50	1.256	-	-	-0.05	1.670	2.098
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	State 10/9	21100	2535	1	21.50	22.50	1.259	-	-	0.12	1.840	2.316
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 10/9	21100	2535	1	23.91	25.00	1.285	-	-	-0.19	2.050	2.635
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 10/9	20850	2510	1	23.81	25.00	1.315	-	-	0.02	1.980	2.604
92	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 10/9	21350	2560	1	23.85	25.00	1.303	-	-	0.18	2.190	2.854
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	State 10/9	21100	2535	1	22.97	24.00	1.268	-	-	-0.07	1.840	2.332
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	State 10/9	20850	2510	1	22.81	24.00	1.315	-	-	-0.02	1.730	2.275
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	State 10/9	21350	2560	1	22.87	24.00	1.297	-	-	0.05	1.940	2.517
	LTE Band 7	20M	QPSK	100	0	-	Left Side	0mm	Ant 2	State 10/9	21100	2535	1	22.95	24.00	1.274	-	-	0.02	1.940	2.471
93	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	507000	2535	1	21.88	22.50	1.153	-	-	0.05	2.220	2.561
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	502000	2510	1	21.80	22.50	1.175	-	-	0.09	2.310	2.714
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	512000	2560	1	21.78	22.50	1.180	-	-	0.15	2.150	2.538
	FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	507000	2535	1	21.69	22.50	1.205	-	-	0.04	2.110	2.543



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	FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	502000	2510	1	21.63	22.50	1.222	-	-	0.08	2.190	2.676
	FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	512000	2560	1	21.54	22.50	1.247	-	-	-0.05	2.090	2.607
	FR1 n7	20M	QPSK	100	0	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	507000	2535	1	21.70	22.50	1.202	-	-	0.02	2.130	2.561
	FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 2	State 10/9	507000	2535	1	24.97	26.00	1.268	-	-	-0.02	1.980	2.510
	FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 2	State 10/9	502000	2510	1	24.96	26.00	1.271	-	-	0.17	1.950	2.478
	FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 2	State 10/9	512000	2560	1	24.91	26.00	1.285	-	-	0.15	1.910	2.455
	FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 2	State 10/9	507000	2535	1	24.91	26.00	1.285	-	-	-0.05	1.990	2.558
	FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 2	State 10/9	502000	2510	1	24.85	26.00	1.303	-	-	-0.07	2.010	2.619
	FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 2	State 10/9	512000	2560	1	24.86	26.00	1.300	-	-	0.1	1.860	2.418
	FR1 n7	20M	QPSK	100	0	DFT-15	Left Side	0mm	Ant 2	State 10/9	507000	2535	1	23.95	25.00	1.274	-	-	0.15	1.870	2.381
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	41055	2636.5	1	24.07	25.00	1.239	62.9	1.006	0.08	1.980	2.468
94	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	39750	2506	1	23.89	25.00	1.291	62.9	1.006	0.18	2.380	3.092
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	39750	2506	2	23.89	25.00	1.291	62.9	1.006	0.01	1.550	2.013
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	40185	2549.5	1	23.95	25.00	1.274	62.9	1.006	0.08	2.210	2.831
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	40620	2593	1	24.04	25.00	1.247	62.9	1.006	0.17	2.080	2.610
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	41490	2680	1	23.96	25.00	1.271	62.9	1.006	-0.03	1.680	2.147
	LTE Band 41 PC2	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	39750	2506	1	25.78	26.50	1.180	42.9	1.009	-0.19	2.400	2.858
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	41055	2636.5	1	23.07	24.00	1.239	62.9	1.006	-0.19	1.630	2.031
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	39750	2506	1	23.01	24.00	1.256	62.9	1.006	0.18	1.890	2.388
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	40185	2549.5	1	23.01	24.00	1.256	62.9	1.006	-0.12	1.780	2.249
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	40620	2593	1	23.01	24.00	1.256	62.9	1.006	-0.16	1.610	2.034
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	41490	2680	1	22.97	24.00	1.268	62.9	1.006	0.11	1.370	1.747
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	State 10/9	41055	2636.5	1	23.04	24.00	1.247	62.9	1.006	0.08	1.510	1.895
3000MHz																					
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	State 10	56640	3690	1	21.84	23.00	1.306	62.9	1.006	0.15	1.850	2.431
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	State 10	55340	3560	1	21.82	23.00	1.312	62.9	1.006	0.07	1.910	2.521
95	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	State 10	55830	3609	1	21.80	23.00	1.318	62.9	1.006	0.11	2.060	2.732
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	State 10	56150	3641	1	21.82	23.00	1.312	62.9	1.006	0.01	1.950	2.574
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	State 10	56640	3690	1	20.92	22.00	1.282	62.9	1.006	-0.02	1.560	2.012
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	State 10	55340	3560	1	20.82	22.00	1.312	62.9	1.006	0.12	1.570	2.073
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	State 10	55830	3609	1	20.84	22.00	1.306	62.9	1.006	0.18	1.570	2.063
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	State 10	56150	3641	1	20.87	22.00	1.297	62.9	1.006	-0.18	1.510	1.970
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 9	State 10	56640	3690	1	20.89	22.00	1.291	62.9	1.006	0.15	1.750	2.273
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 9	State 9	56640	3690	1	19.92	21.00	1.282	62.9	1.006	0.05	1.380	1.780
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 9	State 9	56640	3690	1	18.78	20.00	1.324	62.9	1.006	0.12	1.180	1.572
96	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	641666	3624.99	1	18.70	20.00	1.349	-	-	-0.02	2.360	3.184
	FR1 n48 AeroActive cooler	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	641666	3624.99	1	18.70	20.00	1.349	-	-	-0.02	0.170	0.229
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	641666	3624.99	2	18.70	20.00	1.349	-	-	-0.02	1.520	2.050
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	638000	3570	1	18.48	20.00	1.419	-	-	-0.03	2.220	3.150
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	645332	3679.98	1	18.60	20.00	1.380	-	-	-0.03	2.160	2.982
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 9	State 10	641666	3624.99	1	18.68	20.00	1.355	-	-	0.01	2.000	2.710
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 9	State 10	638000	3570	1	18.55	20.00	1.396	-	-	-0.03	2.070	2.890
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 9	State 10	645332	3679.98	1	18.54	20.00	1.400	-	-	-0.03	2.030	2.841
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	0mm	Ant 9	State 10	641666	3624.99	1	18.66	20.00	1.361	-	-	0.05	2.030	2.764
	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 9	641666	3624.99	1	16.25	17.50	1.334	-	-	-0.16	1.280	1.707
	FR1 n48	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 9	State 9	641666	3624.99	1	16.23	17.50	1.340	-	-	0.14	1.190	1.594
	FR1 n48	40M	QPSK	100	0	DFT-30	Back	0mm	Ant 9	State 9	641666	3624.99	1	16.19	17.50	1.352	-	-	0.09	1.130	1.528
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	656000	3840	1	17.92	19.50	1.439	-	-	0.05	1.930	2.777
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	656000	3840	1	19.47	21.00	1.422	50	1.000	-0.14	1.340	1.906
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 9	State 10	656000	3840	1	17.79	19.50	1.483	-	-	-0.16	1.820	2.698
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 9	State 10	656000	3840	1	17.72	19.50	1.507	-	-	0.01	1.740	2.621
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 9	656000	3840	1	16.48	18.00	1.419	-	-	0.02	1.310	1.859
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 9	656000	3840	1	18.19	19.50	1.352	50	1.000	0.09	0.957	1.294
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 9	State 9	656000	3840	1	16.41	18.00	1.442	-	-	0.05	1.170	1.687
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 9	State 9	656000	3840	1	16.37	18.00	1.455	-	-	0.11	1.020	1.485
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	633332	3499.98	1	18.11	19.50	1.377	-	-	0.06	1.890	2.603



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	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 10	633332	3499.98	1	19.65	21.00	1.365	50	1.000	-0.17	1.290	1.760
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 9	State 10	633332	3499.98	1	18.09	19.50	1.384	-	-	-0.16	1.810	2.504
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 9	State 10	633332	3499.98	1	18.07	19.50	1.390	-	-	0.07	1.780	2.474
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 9	633332	3499.98	1	16.62	18.00	1.374	-	-	0.01	1.250	1.718
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 9	State 9	633332	3499.98	1	18.18	19.50	1.355	50	1.000	0.02	0.895	1.213
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 9	State 9	633332	3499.98	1	16.60	18.00	1.380	-	-	-0.05	1.160	1.601
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 9	State 9	633332	3499.98	1	16.57	18.00	1.390	-	-	0.15	1.050	1.459
97	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 10	State 10	633332	3499.98	1	23.39	25.00	1.449	-	-	0.03	2.100	3.042
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 10	State 10	633332	3499.98	1	25.12	26.50	1.374	50	1.000	-0.09	1.480	2.034
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 10	State 10	633332	3499.98	1	23.28	25.00	1.486	-	-	0.03	1.850	2.749
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 10	State 10	633332	3499.98	1	23.20	25.00	1.514	-	-	-0.12	1.890	2.861
	FR1 n77	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 10	State 9	633332	3499.98	1	21.41	23.00	1.442	-	-	-0.08	1.310	1.889
	FR1 n77 PC2	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 10	State 9	633332	3499.98	1	23.03	24.50	1.403	50	1.000	-0.08	0.984	1.380
	FR1 n77	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 10	State 9	633332	3499.98	1	21.34	23.00	1.466	-	-	-0.02	1.210	1.773
	FR1 n77	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 10	State 9	633332	3499.98	1	21.31	23.00	1.476	-	-	0.02	1.110	1.638

<ENDC SAR>

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	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
1900MHz																			
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	18900	1880	1	23.43	24.50	1.279	0.03	2.130	2.725
102	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	18700	1860	1	23.15	24.50	1.365	-0.16	2.140	2.920
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	19100	1900	1	23.23	24.50	1.340	-0.04	2.020	2.706
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	18900	1880	1	22.40	23.50	1.288	-0.14	1.850	2.383
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	18700	1860	1	22.14	23.50	1.368	-0.13	2.050	2.804
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	19100	1900	1	22.32	23.50	1.312	-0.03	1.810	2.375
	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	State 10/9	18900	1880	1	22.38	23.50	1.294	0.03	1.870	2.420
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10	376500	1882.5	1	24.24	25.00	1.191	0.09	2.340	2.788
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10	372000	1860	1	23.99	25.00	1.262	0.09	2.430	3.066
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10	381000	1905	1	24.04	25.00	1.247	-0.01	2.310	2.881
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10	376500	1882.5	1	24.13	25.00	1.222	-0.04	2.220	2.712
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10	372000	1860	1	23.83	25.00	1.309	-0.07	2.340	3.063
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10	381000	1905	1	23.92	25.00	1.282	0.16	2.190	2.808
	FR1 n25	20M	QPSK	100	0	DFT-15	Bottom Side	0mm	Ant 1	State 10	381000	1905	1	24.11	25.00	1.227	0.06	2.370	2.909
	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 9	376500	1882.5	1	21.59	22.50	1.233	0.05	1.320	1.628
	FR1 n25	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 9	376500	1882.5	1	21.57	22.50	1.239	0.04	1.250	1.548
2600MHz																			
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	21100	2535	1	22.50	23.50	1.259	0.12	1.950	2.455
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	20850	2510	1	22.38	23.50	1.294	0.05	2.150	2.783
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	State 10/9	21350	2560	1	22.44	23.50	1.276	-0.11	1.980	2.527
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	21100	2535	1	21.56	22.50	1.242	0.17	1.720	2.136
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	20850	2510	1	21.45	22.50	1.274	-0.12	1.820	2.318
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	State 10/9	21350	2560	1	21.51	22.50	1.256	-0.05	1.670	2.098
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	State 10/9	21350	2560	1	21.50	22.50	1.259	0.12	1.840	2.316
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 10	21100	2535	1	23.91	25.00	1.285	-0.19	2.050	2.635
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 10	20850	2510	1	23.81	25.00	1.315	0.02	1.980	2.604
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 10	21350	2560	1	23.85	25.00	1.303	0.15	2.190	2.854
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	State 10	21100	2535	1	22.97	24.00	1.268	-0.07	1.840	2.332
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	State 10	20850	2510	1	22.81	24.00	1.315	-0.02	1.730	2.275
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	State 10	21350	2560	1	22.87	24.00	1.297	0.05	1.940	2.517
	LTE Band 7	20M	QPSK	100	0	-	Left Side	0mm	Ant 2	State 10	21350	2560	1	22.95	24.00	1.274	0.05	1.940	2.471
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 9	21100	2535	1	22.88	24.00	1.294	0.11	1.630	2.110
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 9	20850	2510	1	22.70	24.00	1.349	0.16	1.570	2.118
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	State 9	21350	2560	1	22.76	24.00	1.330	0.19	1.740	2.315
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	State 9	21100	2535	1	21.85	23.00	1.303	-0.06	1.460	1.903
	LTE Band 7	20M	QPSK	100	0	-	Left Side	0mm	Ant 2	State 9	21100	2535	1	21.88	23.00	1.294	0.12	1.350	1.747
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	507000	2535	1	21.88	22.50	1.153	0.05	2.220	2.561
	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	502000	2510	1	21.80	22.50	1.175	0.02	2.310	2.714

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FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	512000	2560	1	21.78	22.50	1.180	0.15	2.150	2.538
FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	507000	2535	1	21.69	22.50	1.205	0.04	2.110	2.543
FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	502000	2510	1	21.63	22.50	1.222	0.08	2.190	2.676
FR1 n7	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	512000	2560	1	21.54	22.50	1.247	-0.05	2.090	2.607
FR1 n7	20M	QPSK	100	0	DFT-15	Bottom Side	0mm	Ant 1	State 10/9	512000	2560	1	21.70	22.50	1.202	0.02	2.130	2.561
FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 2	State 10	507000	2535	1	24.97	26.00	1.268	-0.02	1.980	2.510
FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 2	State 10	502000	2510	1	24.96	26.00	1.271	0.17	1.950	2.478
FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 2	State 10	512000	2560	1	24.91	26.00	1.285	0.15	1.910	2.455
FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 2	State 10	507000	2535	1	24.91	26.00	1.285	-0.05	1.990	2.558
FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 2	State 10	502000	2510	1	24.85	26.00	1.303	-0.07	2.010	2.619
FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 2	State 10	512000	2560	1	24.86	26.00	1.300	0.1	1.860	2.418
FR1 n7	20M	QPSK	100	0	DFT-15	Left Side	0mm	Ant 2	State 10	512000	2560	1	23.95	25.00	1.274	0.15	1.870	2.381
FR1 n7	20M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 2	State 9	507000	2535	1	22.49	23.50	1.262	-0.01	1.130	1.426
FR1 n7	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 2	State 9	507000	2535	1	22.41	23.50	1.285	-0.15	1.120	1.440

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Operating Mode	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)
5000MHz																		
98	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	Rec off	normal	42	5210	1	17.39	19.00	1.449	100	1.000	-0.06	1.910	2.767
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4	Rec off	normal	42	5210	1	20.34	22.00	1.466	100	1.000	-0.06	2.040	2.990
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4	Rec off	normal	42	5210	2	20.34	22.00	1.466	100	1.000	0.05	1.990	2.916
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	Rec off	camera	42	5210	1	17.13	18.50	1.371	100	1.000	0.09	1.840	2.522
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+6	Rec off	camera	42	5210	1	19.52	21.00	1.406	100	1.000	0.1	2.120	2.981
99	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 5	Rec off	normal	50	5250	1	18.10	19.50	1.380	100	1.000	-0.06	0.896	1.237
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 5	Rec off	normal	50	5250	1	18.10	19.50	1.380	100	1.000	-0.15	0.564	0.779
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5	Rec off	normal	50	5250	1	18.10	19.50	1.380	100	1.000	0.15	2.070	2.857
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 4	Rec off	normal	50	5250	1	20.01	21.50	1.409	100	1.000	-0.09	0.689	0.971
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 4	Rec off	normal	50	5250	1	20.01	21.50	1.409	100	1.000	0.17	0.806	1.136
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 4	Rec off	normal	50	5250	1	20.01	21.50	1.409	100	1.000	-0.08	0.235	0.331
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 4	Rec off	normal	50	5250	1	20.01	21.50	1.409	100	1.000	-0.06	0.303	0.427
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+4	Rec off	normal	50	5250	1	21.02	22.50	1.406	100	1.000	0.15	0.688	0.967
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+4	Rec off	normal	50	5250	1	21.02	22.50	1.406	100	1.000	0.08	0.430	0.605
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+4	Rec off	normal	50	5250	1	21.02	22.50	1.406	100	1.000	-0.01	1.970	2.770
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+4	Rec off	normal	50	5250	1	21.02	22.50	1.406	100	1.000	-0.13	0.232	0.326
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 5	Rec off	camera	50	5250	1	17.72	18.50	1.197	100	1.000	-0.01	0.718	0.859
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 5	Rec off	camera	50	5250	1	17.72	18.50	1.197	100	1.000	-0.13	0.434	0.519
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5	Rec off	camera	50	5250	1	17.72	18.50	1.197	100	1.000	-0.18	2.030	2.429
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6	Rec off	camera	50	5250	1	17.52	19.50	1.578	100	1.000	0.04	0.218	0.344
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6	Rec off	camera	50	5250	1	17.52	19.50	1.578	100	1.000	-0.16	1.310	2.067
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 6	Rec off	camera	50	5250	1	17.52	19.50	1.578	100	1.000	-0.13	0.679	1.071
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 6	Rec off	camera	50	5250	1	17.52	19.50	1.578	100	1.000	-0.02	0.250	0.394
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 5+6	Rec off	camera	50	5250	1	20.32	21.00	1.169	100	1.000	-0.05	1.100	1.286
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 5+6	Rec off	camera	50	5250	1	20.32	21.00	1.169	100	1.000	-0.05	0.991	1.159
100	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 5+6	Rec off	camera	50	5250	1	20.32	21.00	1.169	100	1.000	-0.04	0.358	0.419
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 5+6	Rec off	camera	50	5250	1	20.32	21.00	1.169	100	1.000	0.11	1.990	2.327
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 5+6	Rec off	camera	50	5250	1	20.32	21.00	1.169	100	1.000	0.17	0.135	0.158
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	Rec off	normal	106	5530	1	16.20	18.00	1.514	100	1.000	0.11	0.602	0.911
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	Rec off	normal	106	5530	1	16.20	18.00	1.514	100	1.000	0.09	0.322	0.487
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	Rec off	normal	106	5530	1	16.20	18.00	1.514	100	1.000	0.12	1.840	2.785
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4	Rec off	normal	106	5530	1	20.05	21.50	1.396	100	1.000	0.11	1.560	2.178
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4	Rec off	normal	106	5530	1	20.05	21.50	1.396	100	1.000	-0.12	1.060	1.480
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4	Rec off	normal	106	5530	1	20.05	21.50	1.396	100	1.000	-0.07	0.472	0.659
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4	Rec off	normal	106	5530	1	20.05	21.50	1.396	100	1.000	0.14	0.569	0.795
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+4	Rec off	normal	106	5530	1	19.45	21.00	1.429	100	1.000	0.15	0.522	0.746
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4	Rec off	normal	106	5530	1	19.45	21.00	1.429	100	1.000	-0.07	0.249	0.356
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4	Rec off	normal	106	5530	1	19.45	21.00	1.429	100	1.000	0.01	1.700	2.429



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	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4	Rec off	normal	106	5530	1	19.45	21.00	1.429	100	1.000	0.18	0.222	0.317
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	Rec off	camera	106	5530	1	16.90	18.00	1.288	100	1.000	-0.12	0.810	1.043
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	Rec off	camera	106	5530	1	16.90	18.00	1.288	100	1.000	0.13	0.439	0.566
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	Rec off	camera	106	5530	1	16.90	18.00	1.288	100	1.000	-0.17	1.880	2.422
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6	Rec off Standalone	camera	106	5530	1	19.56	21.00	1.393	100	1.000	0.02	0.311	0.433
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Rec off Standalone	camera	106	5530	1	19.56	21.00	1.393	100	1.000	-0.18	1.790	2.494
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6	Rec off Standalone	camera	106	5530	1	19.56	21.00	1.393	100	1.000	0.09	1.110	1.546
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	Rec off Standalone	camera	106	5530	1	19.56	21.00	1.393	100	1.000	0.14	0.389	0.542
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6	Rec off Simultaneous	camera	106	5530	1	18.02	19.00	1.253	100	1.000	-0.05	0.110	0.138
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Rec off Simultaneous	camera	106	5530	1	18.02	19.00	1.253	100	1.000	0.05	1.390	1.742
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 6	Rec off Simultaneous	camera	106	5530	1	18.02	19.00	1.253	100	1.000	-0.07	0.537	0.673
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	Rec off Simultaneous	camera	106	5530	1	18.02	19.00	1.253	100	1.000	0.15	0.090	0.113
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+6	Rec off	camera	106	5530	1	19.75	21.50	1.496	100	1.000	-0.12	0.725	1.085
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+6	Rec off	camera	106	5530	1	19.75	21.50	1.496	100	1.000	0.15	0.658	0.985
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+6	Rec off	camera	106	5530	1	19.75	21.50	1.496	100	1.000	-0.01	0.396	0.593
100	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+6	Rec off	camera	106	5530	1	19.75	21.50	1.496	100	1.000	0.09	1.890	2.828
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+6	Rec off	camera	106	5530	1	19.75	21.50	1.496	100	1.000	-0.04	0.146	0.218
101	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	Rec off	normal	155	5775	1	16.71	18.50	1.510	100	1.000	-0.11	1.890	2.854
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4	Rec off	normal	155	5775	1	19.81	21.50	1.476	100	1.000	0.13	1.780	2.627
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	Rec off	camera	155	5775	1	17.02	18.00	1.253	100	1.000	-0.18	1.880	2.356
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Rec off Standalone	camera	155	5775	1	18.53	19.50	1.250	100	1.000	-0.09	1.810	2.263
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Rec off Simultaneous	camera	155	5775	1	17.15	18.00	1.216	100	1.000	0.14	1.500	1.824
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+6	Rec off	camera	155	5775	1	19.58	21.50	1.556	100	1.000	0.03	0.832	1.295
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+6	Rec off	camera	155	5775	1	19.58	21.50	1.556	100	1.000	-0.18	1.700	2.645

14.5 Repeated SAR Measurement

<1g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	FR1 n71	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	State 6	136100	680.5	24.61	26.00	1.377	-	-	-0.04	0.829	1.000	1.142
2nt	FR1 n71	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	State 6	136100	680.5	24.61	26.00	1.377	-	-	0.07	0.818	1.013	1.127
1st	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	State 8	132572	1770	24.87	26.00	1.297	-	-	-0.15	0.889	1.000	1.153
2nt	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	State 8	132572	1770	24.87	26.00	1.297	-	-	0.04	0.872	1.019	1.131
1st	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	State 8	381000	1905	22.02	23.00	1.253	-	-	0.17	0.942	1.000	1.180
2nt	FR1 n25	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	State 8	381000	1905	22.02	23.00	1.253	-	-	0.07	0.934	1.009	1.170
1st	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	State 8	502000	2510	21.08	22.00	1.236	-	-	0.09	0.956	1.000	1.182
2nt	FR1 n7	20M	QPSK	1	1	DFT-15	Bottom Side	10mm	State 8	502000	2510	21.08	22.00	1.236	-	-	0.08	0.949	1.007	1.173
1st	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	State 8	633332	3499.98	24.53	26.00	1.403	-	-	0.04	0.848	1.000	1.190
2nt	FR1 n77	100M	QPSK	1	1	DFT-30	Left Side	10mm	State 8	633332	3499.98	24.53	26.00	1.403	-	-	-0.11	0.833	1.018	1.169

<10g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	State 10/9	9262	1852.4	23.54	24.50	1.247	-	-	0.07	2.520	1.000	3.143
2nt	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	State 10/9	9262	1852.4	23.54	24.50	1.247	-	-	0.02	2.470	1.020	3.081
1st	LTE Band 41 PC2	20M	QPSK	1	0	-	Bottom Side	0mm	State 10/9	39750	2506	25.78	26.50	1.180	42.9	1.009	-0.19	2.400	1.000	2.858
2nt	LTE Band 41 PC2	20M	QPSK	1	0	-	Bottom Side	0mm	State 10/9	39750	2506	25.78	26.50	1.180	42.9	1.009	0.06	2.360	1.017	2.811
1st	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	State 10	641666	3624.99	18.70	20.00	1.349	-	-	-0.02	2.360	1.000	3.184
2nt	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	State 10	641666	3624.99	18.70	20.00	1.349	-	-	0.06	2.290	1.031	3.089
1st	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	State 10	638000	3570	18.48	20.00	1.419	-	-	-0.03	2.220	1.000	3.150
2nt	FR1 n48	40M	QPSK	1	1	DFT-30	Back	0mm	State 10	638000	3570	18.48	20.00	1.419	-	-	0.06	2.170	1.023	3.079
1st	WLAN5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Side	0mm	camera	42	5210	19.52	21.00	1.406	-	-	0.1	2.120	1.000	2.981
2nt	WLAN5GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Side	0mm	camera	42	5210	19.52	21.00	1.406	-	-	0.08	2.080	1.019	2.925

General Note:

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

14.6 TDD LTE/NR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41/5GNR n41/n77. 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.

<SA Mode>

Head					
Ant 1_Rec on(State 6/7)					
LTE Band 41(HPUE)-Linearity Data for Head					
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.032	0.028			
Duty Cycle	63.30%	43.30%			
Frame Averaged (mW)	252.00	243.49			
Linearity SAR (W/kg)	0.031				
% deviation from expected linearity		-9.44%			
Ant 2_Rec on(State 6)			Ant 2_Rec on(State 7)		
LTE Band 41(HPUE)-Linearity Data for Head			LTE Band 41(HPUE)-Linearity Data for Head		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	21.50	23.00	Maximum Tune up Power (dBm)	18.50	20.00
Reported 1g SAR (W/kg)	1.004	1.044	Reported 1g SAR (W/kg)	0.512	0.514
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	89.41	86.39	Frame Averaged (mW)	44.81	43.30
Linearity SAR (W/kg)	0.970		Linearity SAR (W/kg)	0.495	
% deviation from expected linearity		7.62%	% deviation from expected linearity		3.90%
Ant 8_Rec on(State 6/7)					
FR1 n41(HPUE)-Linearity Data for Head					
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.129	0.097			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.091				
% deviation from expected linearity		6.47%			
Ant 7_Rec on(State 6)			Ant 7_Rec on(State 7)		
FR1 n41(HPUE)-Linearity Data for Head			FR1 n41(HPUE)-Linearity Data for Head		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	19.00	20.50	Maximum Tune up Power (dBm)	16.00	17.50
Reported 1g SAR (W/kg)	1.065	0.825	Reported 1g SAR (W/kg)	0.466	0.361
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	56.10	Frame Averaged (mW)	39.81	28.12
Linearity SAR (W/kg)	0.752		Linearity SAR (W/kg)	0.329	
% deviation from expected linearity		9.68%	% deviation from expected linearity		9.69%
Ant 8_Rec on(State 6/7)					
FR1 n77 270(HPUE)-Linearity Data for Head					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.381	0.260			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			



Linearity SAR (W/kg)	0.269				
% deviation from expected linearity		-3.38%			
Ant 8_Rec on(State 6/7)					
FR1 n77 27Q(HPUE)-Linearity Data for Head					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.219	0.168			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.155				
% deviation from expected linearity		8.62%			
Ant 7_Rec on(State 6)			Ant 7_Rec on(State 7)		
FR1 n77 27Q(HPUE)-Linearity Data for Head			FR1 n77 27Q(HPUE)-Linearity Data for Head		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	23.50	Maximum Tune up Power (dBm)	19.00	20.50
Reported 1g SAR (W/kg)	0.586	0.446	Reported 1g SAR (W/kg)	0.358	0.267
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	111.94	Frame Averaged (mW)	79.43	56.10
Linearity SAR (W/kg)	0.414		Linearity SAR (W/kg)	0.253	
% deviation from expected linearity		7.76%	% deviation from expected linearity		5.60%
Ant 7_Rec on(State 6)			Ant 7_Rec on(State 7)		
FR1 n77 27Q(HPUE)-Linearity Data for Head			FR1 n77 27Q(HPUE)-Linearity Data for Head		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	23.50	Maximum Tune up Power (dBm)	19.00	20.50
Reported 1g SAR (W/kg)	1.158	0.892	Reported 1g SAR (W/kg)	0.627	0.446
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	111.94	Frame Averaged (mW)	79.43	56.10
Linearity SAR (W/kg)	0.818		Linearity SAR (W/kg)	0.443	
% deviation from expected linearity		9.07%	% deviation from expected linearity		0.72%
Ant 9_Rec on(State 6/7)					
FR1 n77 27Q(HPUE)-Linearity Data for Head					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.047	0.034			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.033				
% deviation from expected linearity		2.43%			
Ant 9_Rec on(State 6/7)					
FR1 n77 27Q(HPUE)-Linearity Data for Head					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.063	0.045			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.044				
% deviation from expected linearity		1.14%			
Ant 10_Rec on(State 6)					
FR1 n77 27Q(HPUE)-Linearity Data for Head					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	20.50	22.00			
Reported 1g SAR (W/kg)	0.436	0.325			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	112.20	79.24			
Linearity SAR (W/kg)	0.308				



% deviation from expected linearity		5.54%	
Ant 10_Rec on(State 6)			
FR1 n77 27Q(HPUE)-Linearity Data for Head			
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)	
Maximum Tune up Power (dBm)	20.50	22.00	
Reported 1g SAR (W/kg)	0.982	0.749	
Duty Cycle	100.00%	50.00%	
Frame Averaged (mW)	112.20	79.24	
Linearity SAR (W/kg)	0.694		
% deviation from expected linearity		7.99%	

Hotspot					
Ant 1(State 8)			Ant 2(State 8)		
LTE Band 41(HPUE)-Linearity Data for Hotspot			LTE Band 41(HPUE)-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	25.50	Maximum Tune up Power (dBm)	18.50	20.00
Reported 1g SAR (W/kg)	1.011	0.884	Reported 1g SAR (W/kg)	0.119	0.105
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	153.63	Frame Averaged (mW)	44.81	43.30
Linearity SAR (W/kg)	0.977		Linearity SAR (W/kg)	0.115	
% deviation from expected linearity		-9.51%	% deviation from expected linearity		-8.68%
Ant 8(State 8)			Ant 7(State 8)		
FR1 n41(HPUE)-Linearity Data for Hotspot			FR1 n41(HPUE)-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	26.00	27.50	Maximum Tune up Power (dBm)	16.00	17.50
Reported 1g SAR (W/kg)	0.669	0.472	Reported 1g SAR (W/kg)	0.109	0.075
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	398.11	281.17	Frame Averaged (mW)	39.81	28.12
Linearity SAR (W/kg)	0.472		Linearity SAR (W/kg)	0.077	
% deviation from expected linearity		-0.10%	% deviation from expected linearity		-2.58%
Ant 8_(State 8)			Ant 8_(State 8)		
FR1 n77 27Q(HPUE)-Linearity Data for Hotspot			FR1 n77 27Q(HPUE)-Linearity Data for Hotspot		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	26.00	27.50	Maximum Tune up Power (dBm)	26.00	27.50
Reported 1g SAR (W/kg)	0.655	0.491	Reported 1g SAR (W/kg)	1.190	0.791
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	398.11	281.17	Frame Averaged (mW)	398.11	281.17
Linearity SAR (W/kg)	0.463		Linearity SAR (W/kg)	0.840	
% deviation from expected linearity		6.14%	% deviation from expected linearity		-5.88%
Ant 7_(State 8)			Ant 7_(State 8)		
FR1 n77 27Q(HPUE)-Linearity Data for Hotspot			FR1 n77 27Q(HPUE)-Linearity Data for Hotspot		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.00	20.50	Maximum Tune up Power (dBm)	19.00	20.50
Reported 1g SAR (W/kg)	0.060	0.042	Reported 1g SAR (W/kg)	0.145	0.096
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	56.10	Frame Averaged (mW)	79.43	56.10
Linearity SAR (W/kg)	0.042		Linearity SAR (W/kg)	0.102	
% deviation from expected linearity		-0.89%	% deviation from expected linearity		-6.26%
Ant 9(State 8)			Ant 9(State 8)		
FR1 n77 27Q(HPUE)-Linearity Data for Hotspot			FR1 n77 27Q(HPUE)-Linearity Data for Hotspot		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	19.00	Maximum Tune up Power (dBm)	17.50	19.00
Reported 1g SAR (W/kg)	0.673	0.440	Reported 1g SAR (W/kg)	0.574	0.421
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%



Frame Averaged (mW)	56.23	39.72	Frame Averaged (mW)	56.23	39.72
Linearity SAR (W/kg)	0.475		Linearity SAR (W/kg)	0.405	
% deviation from expected linearity		-7.43%	% deviation from expected linearity		3.85%
Ant 10_(State 8)			Ant 10_(State 8)		
FR1 n77 270(HPUE)-Linearity Data for Hotspot			FR1 n77 27Q(HPUE)-Linearity Data for Hotspot		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.50	22.00	Maximum Tune up Power (dBm)	20.50	22.00
Reported 1g SAR (W/kg)	0.317	0.231	Reported 1g SAR (W/kg)	0.389	0.293
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	79.24	Frame Averaged (mW)	112.20	79.24
Linearity SAR (W/kg)	0.224		Linearity SAR (W/kg)	0.275	
% deviation from expected linearity		3.18%	% deviation from expected linearity		6.65%

Extremity SAR					
Ant 1(State 10/9)					
LTE Band 41(HPUE)-Linearity Data for Extremity					
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)			
Maximum Tune up Power (dBm)	25.00	26.50			
Reported 10g SAR (W/kg)	3.092	2.858			
Duty Cycle	63.30%	43.30%			
Frame Averaged (mW)	200.17	193.41			
Linearity SAR (W/kg)	2.988				
% deviation from expected linearity		-4.34%			
Ant 9_(State 10)			Ant 10_(State 9)		
FR1 n77 270(HPUE)-Linearity Data for Extremity			FR1 n77 270(HPUE)-Linearity Data for Extremity		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	21.00	Maximum Tune up Power (dBm)	18.00	19.50
Reported 10g SAR (W/kg)	2.777	1.906	Reported 10g SAR (W/kg)	1.859	1.294
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	62.95	Frame Averaged (mW)	63.10	44.56
Linearity SAR (W/kg)	1.961		Linearity SAR (W/kg)	1.313	
% deviation from expected linearity		-2.82%	% deviation from expected linearity		-1.44%
Ant 9_(State 10)			Ant 10_(State 9)		
FR1 n77 27Q(HPUE)-Linearity Data for Extremity			FR1 n77 27Q(HPUE)-Linearity Data for Extremity		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	21.00	Maximum Tune up Power (dBm)	18.00	19.50
Reported 10g SAR (W/kg)	2.603	1.760	Reported 10g SAR (W/kg)	1.718	1.213
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	62.95	Frame Averaged (mW)	63.10	44.56
Linearity SAR (W/kg)	1.838		Linearity SAR (W/kg)	1.213	
% deviation from expected linearity		-4.27%	% deviation from expected linearity		-0.03%
Ant 10_(State 10)			Ant 10_(State 9)		
FR1 n77 270(HPUE)-Linearity Data for Extremity			FR1 n77 270(HPUE)-Linearity Data for Extremity		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	26.50	Maximum Tune up Power (dBm)	23.00	24.50
Reported 10g SAR (W/kg)	3.042	2.034	Reported 10g SAR (W/kg)	1.889	1.380
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	223.34	Frame Averaged (mW)	199.53	140.92
Linearity SAR (W/kg)	2.148		Linearity SAR (W/kg)	1.334	
% deviation from expected linearity		-5.33%	% deviation from expected linearity		3.44%



Body worn					
Ant 1			Ant 2		
LTE Band 41(HPUE)-Linearity Data for Body-worn			LTE Band 41(HPUE)-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	26.50	Maximum Tune up Power (dBm)	26.00	27.50
Reported 1g SAR (W/kg)	0.229	0.238	Reported 1g SAR (W/kg)	0.288	0.252
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	193.41	Frame Averaged (mW)	252.00	243.49
Linearity SAR (W/kg)	0.221		Linearity SAR (W/kg)	0.278	
% deviation from expected linearity		7.56%	% deviation from expected linearity		-9.44%
Ant 8(State 10/9)					
FR1 n41(HPUE)-Linearity Data for Body-worn					
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.110	0.097			
Duty Cycle	63.30%	43.30%			
Frame Averaged (mW)	252.00	243.49			
Linearity SAR (W/kg)	0.106				
% deviation from expected linearity		-8.74%			
Ant 7(State 10/9)					
FR1 n41(HPUE)-Linearity Data for Body-worn					
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.085	0.086			
Duty Cycle	63.30%	43.30%			
Frame Averaged (mW)	252.00	243.49			
Linearity SAR (W/kg)	0.082				
% deviation from expected linearity		4.71%			
Ant 8_(State 10/9)					
FR1 n77 270(HPUE)-Linearity Data for Body-worn					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.193	0.132			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.136				
% deviation from expected linearity		-3.16%			
Ant 8_(State 10/9)					
FR1 n77 27Q(HPUE)-Linearity Data for Body-worn					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.288	0.216			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.203				
% deviation from expected linearity		6.19%			
Ant 7_(State 10/9)					
FR1 n77 270(HPUE)-Linearity Data for Body-worn					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.212	0.138			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.150				



% deviation from expected linearity		-7.83%			
Ant 7_(State 10/9)					
FR1 n77 27Q(HPUE)-Linearity Data for Body-worn					
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)			
Maximum Tune up Power (dBm)	26.00	27.50			
Reported 1g SAR (W/kg)	0.415	0.297			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	398.11	281.17			
Linearity SAR (W/kg)	0.293				
% deviation from expected linearity		1.33%			
Ant 9_(State 10)			Ant 9_(State 9)		
FR1 n77 27Q(HPUE)-Linearity Data for Body-worn			FR1 n77 27Q(HPUE)-Linearity Data for Body-worn		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	21.00	Maximum Tune up Power (dBm)	18.00	19.50
Reported 1g SAR (W/kg)	0.504	0.350	Reported 1g SAR (W/kg)	0.412	0.274
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	62.95	Frame Averaged (mW)	63.10	44.56
Linearity SAR (W/kg)	0.356		Linearity SAR (W/kg)	0.291	
% deviation from expected linearity		-1.67%	% deviation from expected linearity		-5.84%
Ant 9_(State 10)			Ant 9_(State 9)		
FR1 n77 27Q(HPUE)-Linearity Data for Body-worn			FR1 n77 27Q(HPUE)-Linearity Data for Body-worn		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	21.00	Maximum Tune up Power (dBm)	18.00	19.50
Reported 1g SAR (W/kg)	0.252	0.168	Reported 1g SAR (W/kg)	0.185	0.118
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	62.95	Frame Averaged (mW)	63.10	44.56
Linearity SAR (W/kg)	0.178		Linearity SAR (W/kg)	0.131	
% deviation from expected linearity		-5.61%	% deviation from expected linearity		-9.69%
Ant 10_(State 10)			Ant 10_(State 9)		
FR1 n77 27Q(HPUE)-Linearity Data for Body-worn			FR1 n77 27Q(HPUE)-Linearity Data for Body-worn		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	26.50	Maximum Tune up Power (dBm)	23.00	24.50
Reported 1g SAR (W/kg)	0.458	0.297	Reported 1g SAR (W/kg)	0.276	0.189
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	223.34	Frame Averaged (mW)	199.53	140.92
Linearity SAR (W/kg)	0.323		Linearity SAR (W/kg)	0.195	
% deviation from expected linearity		-8.18%	% deviation from expected linearity		-3.04%
Ant 10_(State 10)			Ant 10_(State 9)		
FR1 n77 27Q(HPUE)-Linearity Data for Body-worn			FR1 n77 27Q(HPUE)-Linearity Data for Body-worn		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	25.00	26.50	Maximum Tune up Power (dBm)	23.00	24.50
Reported 1g SAR (W/kg)	0.427	0.284	Reported 1g SAR (W/kg)	0.265	0.192
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	223.34	Frame Averaged (mW)	199.53	140.92
Linearity SAR (W/kg)	0.302		Linearity SAR (W/kg)	0.187	
% deviation from expected linearity		-5.83%	% deviation from expected linearity		2.59%

<UL MIMO Mode>

Head					
Ant 1_Rec on(State 6/7)					
LTE Band 41(HPUE)-Linearity Data for Head					
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)			
Maximum Tune up Power (dBm)	23.00	24.50			
Reported 1g SAR (W/kg)	0.034	0.025			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	199.53	140.92			
Linearity SAR (W/kg)	0.024				
% deviation from expected linearity		4.11%			
Ant 2_Rec on(State 6)			Ant 2_Rec on(State 7)		
LTE Band 41(HPUE)-Linearity Data for Head			LTE Band 41(HPUE)-Linearity Data for Head		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	18.00	19.50	Maximum Tune up Power (dBm)	16.00	17.50
Reported 1g SAR (W/kg)	0.749	0.575	Reported 1g SAR (W/kg)	0.479	0.361
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	44.56	Frame Averaged (mW)	39.81	28.12
Linearity SAR (W/kg)	0.529		Linearity SAR (W/kg)	0.338	
% deviation from expected linearity		8.70%	% deviation from expected linearity		6.71%
Ant 8_Rec on(State 6/7)					
LTE Band 41(HPUE)-Linearity Data for Head					
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)			
Maximum Tune up Power (dBm)	23.00	24.50			
Reported 1g SAR (W/kg)	0.080	0.060			
Duty Cycle	100.00%	50.00%			
Frame Averaged (mW)	199.53	140.92			
Linearity SAR (W/kg)	0.057				
% deviation from expected linearity		6.19%			
Ant 7_Rec on(State 6)			Ant 7_Rec on(State 7)		
FR1 n41(HPUE)-Linearity Data for Head			FR1 n41(HPUE)-Linearity Data for Head		
	FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)		FR1 n41 (Power Class 3)	FR1 n41 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	19.00	Maximum Tune up Power (dBm)	15.50	17.00
Reported 1g SAR (W/kg)	0.787	0.579	Reported 1g SAR (W/kg)	0.495	0.363
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	39.72	Frame Averaged (mW)	35.48	25.06
Linearity SAR (W/kg)	0.556		Linearity SAR (W/kg)	0.350	
% deviation from expected linearity		4.17%	% deviation from expected linearity		3.83%

Hotspot					
Ant 1(State 8)			Ant 2(State 8)		
FR1 n41(HPUE)-Linearity Data for Hotspot			FR1 n41(HPUE)-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	20.50	22.00	Maximum Tune up Power (dBm)	16.00	17.50
Reported 1g SAR (W/kg)	0.522	0.401	Reported 1g SAR (W/kg)	0.146	0.093
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	79.24	Frame Averaged (mW)	39.81	28.12
Linearity SAR (W/kg)	0.369		Linearity SAR (W/kg)	0.103	
% deviation from expected linearity		8.77%	% deviation from expected linearity		-9.81%
Ant 8_(State 8)			Ant 7_(State 8)		
FR1 n77(HPUE)-Linearity Data for Hotspot			FR1 n77(HPUE)-Linearity Data for Hotspot		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)		FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.50	Maximum Tune up Power (dBm)	15.50	17.00
Reported 1g SAR (W/kg)	0.375	0.262	Reported 1g SAR (W/kg)	0.090	0.063
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	140.92	Frame Averaged (mW)	35.48	25.06
Linearity SAR (W/kg)	0.265		Linearity SAR (W/kg)	0.064	
% deviation from expected linearity		-1.08%	% deviation from expected linearity		-0.89%

Extremity SAR		
Ant 1(State 9/10)		
FR1 n41(HPUE)-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.50
Reported 10g SAR (W/kg)	3.175	2.146
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	140.92
Linearity SAR (W/kg)	2.242	
% deviation from expected linearity		-4.30%

Body worn					
Ant 1(State 10/9)			Ant 2(State 10/9)		
FR1 n41(HPUE)-Linearity Data for Body worn			FR1 n41(HPUE)-Linearity Data for Body worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.50	Maximum Tune up Power (dBm)	23.00	24.50
Reported 10g SAR (W/kg)	0.257	0.199	Reported 10g SAR (W/kg)	0.173	0.131
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	140.92	Frame Averaged (mW)	199.53	140.92
Linearity SAR (W/kg)	0.182		Linearity SAR (W/kg)	0.122	
% deviation from expected linearity		9.64%	% deviation from expected linearity		7.21%
Ant 8(State 10/9)			Ant 7(State 10/9)		
FR1 n41(HPUE)-Linearity Data for Body worn			FR1 n41(HPUE)-Linearity Data for Body worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	24.50	Maximum Tune up Power (dBm)	23.00	24.50
Reported 10g SAR (W/kg)	0.051	0.037	Reported 10g SAR (W/kg)	0.066	0.050
Duty Cycle	100.00%	50.00%	Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	199.53	140.92	Frame Averaged (mW)	199.53	140.92
Linearity SAR (W/kg)	0.036		Linearity SAR (W/kg)	0.047	
% deviation from expected linearity		2.72%	% deviation from expected linearity		7.26%

15. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN 2.4GHz SISO	Yes	Yes	Yes	Yes
2.	WWAN + WLAN 2.4GHz MIMO	Yes	Yes	Yes	Yes
3.	WWAN + WLAN 5 or 6 GHz SISO	Yes	Yes	Yes	Yes
4.	WWAN + WLAN 5 or 6 GHz MIMO	Yes	Yes	Yes	Yes
5.	WWAN + BT (Chain0)	Yes	Yes	Yes	Yes
6.	WWAN + BT (Chain1)	Yes	Yes	Yes	Yes
7.	WWAN + BT MIMO	Yes	Yes	Yes	Yes
8.	WWAN + WLAN 5 or 6 GHz SISO + BT (Chain0)	Yes	Yes	Yes	Yes
9.	WWAN + WLAN 5 or 6 GHz SISO + BT (Chain1)	Yes	Yes	Yes	Yes
10.	WWAN + WLAN 2.4GHz SISO (Chain1) + BT (Chain0)	Yes	Yes	Yes	Yes
11.	WWAN + WLAN 5 or 6 GHz MIMO + BT (Chain0)	Yes	Yes	Yes	Yes
12.	WWAN + WLAN 5 or 6 GHz MIMO + BT (Chain1)	Yes	Yes	Yes	Yes
13.	WWAN + WLAN 2.4GHz SISO (Chain0) + WLAN 5 or 6 GHz (Chain1)	Yes	Yes	Yes	Yes
14.	WWAN + WLAN 5 or 6 GHz SISO (Chain0) + WLAN 2.4GHz SISO (Chain1)	Yes	Yes	Yes	Yes
15.	WWAN + WLAN 5 or 6 GHz SISO (Chain0) + WLAN 2.4GHz SISO (Chain1) + BT (Chain0)	Yes	Yes	Yes	Yes
16.	WWAN + WLAN 2.4GHz SISO (Chain0) + WLAN 5 or 6 GHz SISO (Chain1)+ BT (Chain1)	Yes	Yes	Yes	Yes
17.	WWAN + WLAN 2.4GHz MIMO + WLAN 5 or 6 GHz MIMO	Yes	Yes	Yes	Yes
18.	WWAN + WLAN 2.4GHz SISO + NFC				Yes
19.	WWAN + WLAN 2.4GHz MIMO + NFC				Yes
20.	WWAN + WLAN 5 or 6 GHz SISO + NFC				Yes
21.	WWAN + WLAN 5 or 6 GHz MIMO + NFC				Yes
22.	WWAN + BT (Chain0) + NFC				Yes
23.	WWAN + BT (Chain1) + NFC				Yes
24.	WWAN + BT MIMO + NFC				Yes
25.	WWAN + WLAN 5 or 6 GHz SISO + BT (Chain0) + NFC				Yes
26.	WWAN + WLAN 5 or 6 GHz SISO + BT (Chain1) + NFC				Yes
27.	WWAN + WLAN 2.4GHz SISO (Chain1) + BT (Chain0) + NFC				Yes
28.	WWAN + WLAN 5 or 6 GHz MIMO + BT (Chain0) + NFC				Yes
29.	WWAN + WLAN 5 or 6 GHz MIMO + BT (Chain1) + NFC				Yes
30.	WWAN + WLAN 2.4GHz SISO (Chain0) + WLAN 5 or 6 GHz (Chain1) + NFC				Yes
31.	WWAN + WLAN 5 or 6 GHz SISO (Chain0) + WLAN 2.4GHz SISO (Chain1) + NFC				Yes
32.	WWAN + WLAN 5 or 6 GHz SISO (Chain0) + WLAN 2.4GHz SISO (Chain1) + BT (Chain0) + NFC				Yes
33.	WWAN + WLAN 2.4GHz SISO (Chain0) + WLAN 5 or 6 GHz SISO (Chain1)+ BT (Chain1) + NFC				Yes
34.	WWAN + WLAN 2.4GHz MIMO + WLAN 5 or 6 GHz MIMO + NFC				Yes

General Note:

1. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. WWAN above includes 5G NR bands and EN-DC combination..
3. EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
4. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
5. 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). WLAN 6GHz has no hotspot function.
6. According to the EUT characteristic, WLAN5GHz/6GHz and Bluetooth can transmit simultaneously, and WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
7. According to the EUT characteristic, 2.4GHz WLAN and Bluetooth share the same antenna, and they cannot transmit simultaneously.
8. According to the EUT characteristic, WLAN2.4GHz and WLAN5GHz/6GHz can transmit simultaneously.
9. According to the EUT characteristic, two Bluetooth antennas can transmit simultaneously with each other.
10. NFC can transmit simultaneously with other Radios in extremity exposure condition.

11. For 5GNR EN-DC mode, standalone SAR performed for 5GNR NSA band with the maximum power, EN-DC SAR summed EN-DC mode 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
12. The maximum SAR summation is calculated based on the same configuration and test position.
13. 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.
14. 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.
15. For co-located SAR with WWAN/Bluetooth, always chose higher SAR of WLAN5GHz U-NII-1/2A/2C/3 and WLAN 6GHz U-NII-5/6/7/8, it is the worst co-located analysis and can represent each WLAN5GHz bands and each WLAN6GHz bands.
16. For inter-band UL CA SAR co-located with WLAN/Bluetooth, chose the worst SAR among all LTE Bands within the selected antenna per each test position to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands.
17. For EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among all LTE Bands within the selected antenna per each test position and also the worst SAR of all 5GNR Bands within the selected antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5GNR bands.
18. 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.



15.1 Head Exposure Conditions

WWAN Band	Exposure Position	1 WWAN 1g SAR (W/kg)	3 WLAN2.4GHz Ant 5 1g SAR (W/kg)	4 WLAN2.4GHz Ant 4 1g SAR (W/kg)	5 WLAN2.4GHz Ant 5+4 1g SAR (W/kg)	9 WLAN5GHz/6GHz Ant 5 1g SAR (W/kg)	10 WLAN5GHz/6GHz Ant 4 1g SAR (W/kg)	11 WLAN5GHz/6GHz Ant 5+4 1g SAR (W/kg)	15 Bluetooth Ant 5 1g SAR (W/kg)	16 Bluetooth Ant 4 1g SAR (W/kg)	1+9+15+16 Summed 1g SAR (W/kg)	1+10+15+16 Summed 1g SAR (W/kg)	1+3+9 Summed 1g SAR (W/kg)	1+3+10 Summed 1g SAR (W/kg)	1+11+15+16 Summed 1g SAR (W/kg)	1+5+11 Summed 1g SAR (W/kg)	1+4+9+15 Summed 1g SAR (W/kg)	1+4+10+15 Summed 1g SAR (W/kg)
All Bands Ant 0	Right Cheek	0.340	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.86	0.63	1.06	0.83	0.63	0.62	0.83	0.60
	Right Tilted	0.172	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.44	0.44	0.40	0.40	0.44	0.47	0.43	0.43
	Left Cheek	0.150	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.00	1.12	0.64	0.76	1.15	1.08	0.93	1.05
	Left Tilted	0.121	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.62	0.62	0.43	0.43	0.62	0.61	0.60	0.60
All Bands Ant 1	Right Cheek	0.125	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.64	0.41	0.84	0.61	0.41	0.41	0.61	0.38
	Right Tilted	0.088	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.36	0.36	0.32	0.32	0.36	0.38	0.35	0.35
	Left Cheek	0.183	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.04	1.16	0.68	0.80	1.18	1.11	0.96	1.08
	Left Tilted	0.100	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.60	0.60	0.41	0.41	0.60	0.58	0.58	0.58
All Bands Ant 2	Right Cheek	0.597	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.11	0.88	1.32	1.09	0.88	0.88	1.08	0.85
	Right Tilted	0.203	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.48	0.48	0.44	0.44	0.48	0.50	0.46	0.46
	Left Cheek	0.598	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.45	1.57	1.09	1.21	1.59	1.52	1.37	1.49
	Left Tilted	0.172	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.67	0.67	0.48	0.48	0.67	0.66	0.65	0.65
All Bands Ant 7	Right Cheek	0.875	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.39	1.16	1.59	1.36	1.16	1.16	1.36	1.13
	Right Tilted	0.598	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.87	0.87	0.83	0.83	0.87	0.89	0.86	0.86
	Left Cheek	0.398	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.25	1.37	0.89	1.01	1.39	1.32	1.17	1.29
	Left Tilted	0.341	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.84	0.84	0.65	0.65	0.84	0.83	0.82	0.82
All Bands Ant 8	Right Cheek	0.233	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.75	0.52	0.95	0.72	0.52	0.52	0.72	0.49
	Right Tilted	0.225	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.50	0.50	0.46	0.46	0.50	0.52	0.49	0.49
	Left Cheek	0.381	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.23	1.35	0.87	0.99	1.38	1.31	1.16	1.28
	Left Tilted	0.125	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.62	0.62	0.43	0.43	0.62	0.61	0.60	0.60
All Bands Ant 9	Right Cheek	0.085	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.60	0.37	0.80	0.57	0.37	0.37	0.57	0.34
	Right Tilted	0.029	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.30	0.30	0.26	0.26	0.30	0.33	0.29	0.29
	Left Cheek	0.046	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	0.90	1.02	0.54	0.66	1.04	0.97	0.82	0.94
	Left Tilted	0.039	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.53	0.53	0.34	0.34	0.53	0.52	0.52	0.52
All Bands Ant 10	Right Cheek	0.872	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.39	1.16	1.59	1.36	1.16	1.15	1.36	1.13
	Right Tilted	1.064	0.062	0.090	0.126	0.170	0.170	0.170		0.102	1.34	1.34	1.30	1.30	1.34	1.36	1.32	1.32
	Left Cheek	0.540	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.39	1.51	1.03	1.15	1.54	1.47	1.32	1.44
	Left Tilted	0.673	0.058	0.229	0.237	0.247	0.247	0.247		0.248	1.17	1.17	0.98	0.98	1.17	1.16	1.15	1.15



<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	1+2
			WWAN	FR1	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Ant 0	NR Ant 1	Right Cheek	0.167	0.125	0.29
		Right Tilted	0.086	0.086	0.17
		Left Cheek	0.118	0.148	0.27
		Left Tilted	0.074	0.087	0.16
LTE Ant 0	NR Ant 2	Right Cheek	0.167	0.798	0.97
		Right Tilted	0.086	0.223	0.31
		Left Cheek	0.118	0.703	0.82
		Left Tilted	0.074	0.250	0.32
LTE Ant 0	NR Ant 7	Right Cheek	0.167	0.787	0.95
		Right Tilted	0.086	0.546	0.63
		Left Cheek	0.118	0.428	0.55
		Left Tilted	0.074	0.245	0.32
LTE Ant 0	NR Ant 8	Right Cheek	0.167	0.233	0.40
		Right Tilted	0.086	0.225	0.31
		Left Cheek	0.118	0.381	0.50
		Left Tilted	0.074	0.125	0.20
LTE Ant 1	NR Ant 0	Right Cheek	0.118	0.086	0.20
		Right Tilted	0.086	0.062	0.15
		Left Cheek	0.189	0.077	0.27
		Left Tilted	0.102	0.058	0.16
LTE Ant 1	NR Ant 2	Right Cheek	0.118	0.798	0.92
		Right Tilted	0.086	0.223	0.31
		Left Cheek	0.189	0.703	0.89
		Left Tilted	0.102	0.250	0.35
LTE Ant 1	NR Ant 7	Right Cheek	0.118	0.787	0.91
		Right Tilted	0.086	0.546	0.63
		Left Cheek	0.189	0.428	0.62
		Left Tilted	0.102	0.245	0.35
LTE Ant 1	NR Ant 8	Right Cheek	0.118	0.233	0.35
		Right Tilted	0.086	0.225	0.31
		Left Cheek	0.189	0.381	0.57
		Left Tilted	0.102	0.125	0.23
LTE Ant 2	NR Ant 0	Right Cheek	0.803	0.086	0.89
		Right Tilted	0.215	0.062	0.28
		Left Cheek	0.872	0.077	0.95
		Left Tilted	0.234	0.058	0.29
LTE Ant 2	NR Ant 1	Right Cheek	0.803	0.125	0.93
		Right Tilted	0.215	0.086	0.30
		Left Cheek	0.872	0.148	1.02
		Left Tilted	0.234	0.087	0.32
LTE Ant 2	NR Ant 7	Right Cheek	0.803	0.787	1.59
		Right Tilted	0.215	0.546	0.76
		Left Cheek	0.872	0.428	1.30
		Left Tilted	0.234	0.245	0.48
LTE Ant 7	NR Ant 1	Right Cheek	0.514	0.125	0.64
		Right Tilted	0.285	0.086	0.37
		Left Cheek	0.210	0.148	0.36
		Left Tilted	0.115	0.087	0.20
LTE Ant 7	NR Ant 2	Right Cheek	0.514	0.798	1.31
		Right Tilted	0.285	0.223	0.51
		Left Cheek	0.210	0.703	0.91
		Left Tilted	0.115	0.250	0.37



WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			WWAN	FR1	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 5+4	WLAN5GHz 6GHz Ant 5	WLAN5GHz 6GHz Ant 4	WLAN5GHz 6GHz Ant 5+4	Bluetooth Ant 5	Bluetooth Ant 4	Summed	Summed	Summed	Summed	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)	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)
LTE Ant 0	NR Ant 1	Right Cheek	0.167	0.125	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.81	0.58	1.01	0.78	0.58	0.57	0.78	0.55
		Right Tilted	0.086	0.086	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.44	0.44	0.40	0.40	0.44	0.47	0.43	0.43
		Left Cheek	0.118	0.148	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.12	1.24	0.76	0.88	1.26	1.19	1.04	1.16
		Left Tilted	0.074	0.087	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.66	0.66	0.47	0.47	0.66	0.65	0.64	0.64
LTE Ant 0	NR Ant 2	Right Cheek	0.167	0.443	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.13	0.90	1.33	1.10	0.90	0.89	1.10	0.87
		Right Tilted	0.086	0.128	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.49	0.49	0.45	0.45	0.49	0.51	0.47	0.47
		Left Cheek	0.118	0.400	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.37	1.49	1.01	1.13	1.51	1.44	1.29	1.41
		Left Tilted	0.074	0.144	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.71	0.71	0.52	0.52	0.71	0.70	0.69	0.69
LTE Ant 0	NR Ant 7	Right Cheek	0.167	0.433	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.12	0.89	1.32	1.09	0.89	0.88	1.09	0.86
		Right Tilted	0.086	0.336	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.69	0.69	0.65	0.65	0.69	0.72	0.68	0.68
		Left Cheek	0.118	0.210	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.18	1.30	0.82	0.94	1.32	1.25	1.10	1.22
		Left Tilted	0.074	0.152	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.72	0.72	0.53	0.53	0.72	0.71	0.70	0.70
LTE Ant 0	NR Ant 8	Right Cheek	0.167	0.233	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.92	0.69	1.12	0.89	0.69	0.68	0.89	0.66
		Right Tilted	0.086	0.225	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.58	0.58	0.54	0.54	0.58	0.61	0.57	0.57
		Left Cheek	0.118	0.381	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.35	1.47	0.99	1.11	1.50	1.42	1.28	1.40
		Left Tilted	0.074	0.125	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.69	0.69	0.50	0.50	0.69	0.68	0.68	0.68
LTE Ant 1	NR Ant 0	Right Cheek	0.118	0.086	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.72	0.49	0.92	0.69	0.49	0.49	0.69	0.46
		Right Tilted	0.086	0.062	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.42	0.42	0.38	0.38	0.42	0.44	0.41	0.41
		Left Cheek	0.189	0.077	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.12	1.24	0.76	0.88	1.26	1.19	1.04	1.16
		Left Tilted	0.102	0.058	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.66	0.66	0.47	0.47	0.66	0.64	0.64	0.64
LTE Ant 1	NR Ant 2	Right Cheek	0.118	0.443	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.08	0.85	1.28	1.05	0.85	0.84	1.05	0.82
		Right Tilted	0.086	0.128	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.49	0.49	0.45	0.45	0.49	0.51	0.47	0.47
		Left Cheek	0.189	0.400	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.44	1.56	1.08	1.20	1.59	1.51	1.37	1.49
		Left Tilted	0.102	0.144	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.74	0.74	0.55	0.55	0.74	0.73	0.72	0.72
LTE Ant 1	NR Ant 7	Right Cheek	0.118	0.433	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.07	0.84	1.27	1.04	0.84	0.83	1.04	0.81
		Right Tilted	0.086	0.336	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.69	0.69	0.65	0.65	0.69	0.72	0.68	0.68
		Left Cheek	0.189	0.210	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.25	1.37	0.89	1.01	1.40	1.32	1.18	1.30
		Left Tilted	0.102	0.152	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.75	0.75	0.56	0.56	0.75	0.74	0.73	0.73
LTE Ant 1	NR Ant 8	Right Cheek	0.118	0.233	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.87	0.64	1.07	0.84	0.64	0.63	0.84	0.61
		Right Tilted	0.086	0.225	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.58	0.58	0.54	0.54	0.58	0.61	0.57	0.57
		Left Cheek	0.189	0.381	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.42	1.54	1.06	1.18	1.57	1.50	1.35	1.47
		Left Tilted	0.102	0.125	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.72	0.72	0.53	0.53	0.72	0.71	0.70	0.70
LTE Ant 2	NR Ant 0	Right Cheek	0.408	0.086	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.01	0.78	1.21	0.98	0.78	0.78	0.98	0.75
		Right Tilted	0.150	0.062	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.48	0.48	0.44	0.44	0.48	0.51	0.47	0.47
		Left Cheek	0.327	0.077	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.26	1.38	0.90	1.02	1.40	1.33	1.18	1.30
		Left Tilted	0.083	0.058	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.64	0.64	0.45	0.45	0.64	0.63	0.62	0.62
LTE Ant 2	NR Ant 1	Right Cheek	0.408	0.125	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.05	0.82	1.25	1.02	0.82	0.82	1.02	0.79
		Right Tilted	0.150	0.086	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.51	0.51	0.47	0.47	0.51	0.53	0.50	0.50
		Left Cheek	0.327	0.148	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.33	1.45	0.97	1.09	1.47	1.40	1.25	1.37
		Left Tilted	0.083	0.087	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.67	0.67	0.48	0.48	0.67	0.65	0.65	0.65
LTE Ant 2	NR Ant 7	Right Cheek	0.408	0.433	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.36	1.13	1.56	1.33	1.13	1.12	1.33	1.10
		Right Tilted	0.150	0.336	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.76	0.76	0.72	0.72	0.76	0.78	0.75	0.75
		Left Cheek	0.327	0.210	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.39	1.51	1.03	1.15	1.53	1.46	1.31	1.43
		Left Tilted	0.083	0.152	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.73	0.73	0.54	0.54	0.73	0.72	0.71	0.71
LTE Ant 7	NR Ant 1	Right Cheek	0.398	0.125	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.04	0.81	1.24	1.01	0.81	0.81	1.01	0.78
		Right Tilted	0.219	0.086	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.58	0.58	0.54	0.54	0.58	0.60	0.57	0.57
		Left Cheek	0.138	0.148	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.14	1.26	0.78	0.90	1.28	1.21	1.06	1.18
		Left Tilted	0.100	0.087	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.68	0.68	0.49	0.49	0.68	0.67	0.66	0.66
LTE Ant 7	NR Ant 2	Right Cheek	0.398	0.443	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.36	1.13	1.56	1.33	1.13	1.12	1.33	1.10
		Right Tilted	0.219	0.128	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.62	0.62	0.58	0.58	0.62	0.64	0.61	0.61
		Left Cheek	0.138	0.400	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.39	1.51	1.03	1.15	1.53	1.46	1.31	1.43
		Left Tilted	0.100	0.144	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.74	0.74	0.55	0.55	0.74	0.73	0.72	0.72



<Inter CA SAR>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			WWAN	FR1	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 5+4	WLAN5GHz 6GHz Ant 5	WLAN5GHz 6GHz Ant 4	WLAN5GHz 6GHz Ant 5+4	Bluetooth Ant 5	Bluetooth Ant 4	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
LTE Ant 0	LTE Ant 1	Right Cheek	0.091	0.077	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.68	0.45	0.89	0.66	0.45	0.45	0.65	0.42
		Right Tilted	0.047	0.045	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.36	0.36	0.32	0.32	0.36	0.39	0.35	0.35
		Left Cheek	0.065	0.093	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.01	1.13	0.65	0.77	1.15	1.08	0.93	1.05
		Left Tilted	0.040	0.051	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.59	0.59	0.40	0.40	0.59	0.58	0.57	0.57
LTE Ant 0	LTE Ant 2	Right Cheek	0.091	0.388	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.00	0.77	1.20	0.97	0.77	0.76	0.97	0.74
		Right Tilted	0.047	0.115	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.43	0.43	0.39	0.39	0.43	0.46	0.42	0.42
		Left Cheek	0.065	0.367	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.28	1.40	0.92	1.04	1.43	1.36	1.21	1.33
		Left Tilted	0.040	0.118	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.65	0.65	0.46	0.46	0.65	0.64	0.63	0.63
LTE Ant 1	LTE Ant 2	Right Cheek	0.077	0.388	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.98	0.75	1.18	0.95	0.75	0.75	0.95	0.72
		Right Tilted	0.045	0.115	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.43	0.43	0.39	0.39	0.43	0.46	0.42	0.42
		Left Cheek	0.093	0.367	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.31	1.43	0.95	1.07	1.46	1.39	1.24	1.36
		Left Tilted	0.051	0.118	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.66	0.66	0.47	0.47	0.66	0.65	0.65	0.65
LTE Ant 1	LTE Ant 7	Right Cheek	0.077	0.487	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.08	0.85	1.28	1.05	0.85	0.85	1.05	0.82
		Right Tilted	0.045	0.351	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.67	0.67	0.63	0.63	0.67	0.69	0.66	0.66
		Left Cheek	0.093	0.226	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.17	1.29	0.81	0.93	1.32	1.24	1.10	1.22
		Left Tilted	0.051	0.171	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.72	0.72	0.53	0.53	0.72	0.71	0.70	0.70
LTE Ant 2	LTE Ant 7	Right Cheek	0.388	0.487	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.39	1.16	1.59	1.36	1.16	1.16	1.36	1.13
		Right Tilted	0.115	0.351	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.74	0.74	0.70	0.70	0.74	0.76	0.73	0.73
		Left Cheek	0.367	0.226	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.45	1.57	1.09	1.21	1.59	1.52	1.37	1.49
		Left Tilted	0.118	0.171	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.78	0.78	0.59	0.59	0.78	0.77	0.77	0.77



<UL MIMO SAR>

FR1 Band	FR1 Band	Exposure Position	1	2	1+2
			WWAN	FR1	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n41 Ant 8	FR1 n41 Ant 1	Right Cheek	0.038		0.04
		Right Tilted	0.033		0.03
		Left Cheek	0.080	0.034	0.11
		Left Tilted	0.029		0.03
FR1 n41 Ant 8	FR1 n41 Ant 2	Right Cheek	0.038	0.749	0.79
		Right Tilted	0.033	0.154	0.19
		Left Cheek	0.080	0.262	0.34
		Left Tilted	0.029	0.073	0.10
FR1 n41 Ant 7	FR1 n41 Ant 1	Right Cheek	0.801		0.80
		Right Tilted	0.341		0.34
		Left Cheek	0.154	0.034	0.19
		Left Tilted	0.114		0.11
FR1 n41 Ant 7	FR1 n41 Ant 2	Right Cheek	0.801	0.749	1.55
		Right Tilted	0.341	0.154	0.50
		Left Cheek	0.154	0.262	0.42
		Left Tilted	0.114	0.073	0.19

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			WWAN	FR1	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 5+4	WLAN5GHz/6GHz Ant 5	WLAN5GHz/6GHz Ant 4	WLAN5GHz/6GHz Ant 5+4	Bluetooth Ant 5	Bluetooth Ant 4	Summed	Summed	Summed	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n41 Ant 8	FR1 n41 Ant 1	Right Cheek	0.038		0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.55	0.32	0.76	0.53	0.32	0.32	0.52	0.29
		Right Tilted	0.033		0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.31	0.31	0.27	0.27	0.31	0.33	0.29	0.29
		Left Cheek	0.080	0.034	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	0.97	1.09	0.61	0.73	1.11	1.04	0.89	1.01
		Left Tilted	0.029		0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.52	0.52	0.33	0.33	0.52	0.51	0.51	0.51
FR1 n41 Ant 8	FR1 n41 Ant 2	Right Cheek	0.038	0.436	0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.99	0.76	1.19	0.96	0.76	0.76	0.96	0.73
		Right Tilted	0.033	0.098	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.40	0.40	0.36	0.36	0.40	0.43	0.39	0.39
		Left Cheek	0.080	0.167	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.10	1.22	0.74	0.86	1.24	1.17	1.02	1.14
		Left Tilted	0.029	0.047	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.57	0.57	0.38	0.38	0.57	0.56	0.55	0.55
FR1 n41 Ant 7	FR1 n41 Ant 1	Right Cheek	0.405		0.317	0.084	0.110	0.402	0.172	0.172		0.114	0.92	0.69	1.12	0.89	0.69	0.69	0.89	0.66
		Right Tilted	0.124		0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.40	0.40	0.36	0.36	0.40	0.42	0.38	0.38
		Left Cheek	0.097	0.034	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	0.98	1.10	0.62	0.74	1.13	1.06	0.91	1.03
		Left Tilted	0.072		0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.57	0.57	0.38	0.38	0.57	0.56	0.55	0.55
FR1 n41 Ant 7	FR1 n41 Ant 2	Right Cheek	0.405	0.436	0.317	0.084	0.110	0.402	0.172	0.172		0.114	1.36	1.13	1.56	1.33	1.13	1.12	1.33	1.10
		Right Tilted	0.124	0.098	0.062	0.090	0.126	0.170	0.170	0.170		0.102	0.49	0.49	0.45	0.45	0.49	0.52	0.48	0.48
		Left Cheek	0.097	0.167	0.087	0.369	0.376	0.405	0.525	0.549	0.002	0.445	1.12	1.24	0.76	0.88	1.26	1.19	1.04	1.16
		Left Tilted	0.072	0.047	0.058	0.229	0.237	0.247	0.247	0.247		0.248	0.61	0.61	0.42	0.42	0.61	0.60	0.60	0.60



15.2 Hotspot Exposure Conditions

Normal Mode:

WWAN Band	Exposure Position	1	3	4	5	9	10	11	15	16	1+9+15+16	1+10+15+16	1+3+9	1+3+10	1+11+15+16	1+5+11	1+4+9+15	1+4+10+15
WWAN	Position	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 5+4	WLAN5GHz Ant 5	WLAN5GHz Ant 4	WLAN5GHz Ant 5+4	Bluetooth Ant 5	Bluetooth Ant 4	Summed	Summed	Summed	Summed	Summed	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)	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	Front	0.550	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.98	1.24	1.02	1.27	0.96	1.02	1.14	1.39
	Back	0.686	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	1.03	1.23	1.07	1.27	1.04	1.22	1.26	1.45
	Left side	0.230									0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
	Right side	0.336	0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	1.17	0.88	1.35	1.07	1.18	1.40	1.36	1.07
	Top side			0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
	Bottom side	0.532									0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
All Bands Ant 1	Front	0.470	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.90	1.16	0.94	1.19	0.88	0.94	1.06	1.31
	Back	0.499	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.85	1.04	0.89	1.08	0.85	1.03	1.07	1.27
	Left side	0.559									0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
	Right side		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
	Top side			0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
	Bottom side	1.182									1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
All Bands Ant 2	Front	0.261	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.70	0.95	0.73	0.98	0.67	0.73	0.85	1.10
	Back	0.189	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.54	0.73	0.58	0.77	0.54	0.72	0.76	0.96
	Left side	0.415									0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
	Right side		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
	Top side	0.093		0.223	0.269		0.264	0.127		0.030	0.12	0.39	0.09	0.36	0.25	0.49	0.32	0.58
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Bands Ant 7	Front	0.114	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.55	0.80	0.58	0.83	0.53	0.58	0.70	0.95
	Back	0.184	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.53	0.73	0.57	0.77	0.54	0.71	0.76	0.95
	Left side	0.035									0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	Right side		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
	Top side	0.094		0.223	0.269		0.264	0.127		0.030	0.12	0.39	0.09	0.36	0.25	0.49	0.32	0.58
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Bands Ant 8	Front	0.373	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.81	1.06	0.84	1.09	0.78	0.84	0.96	1.21
	Back	0.267	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.62	0.81	0.65	0.85	0.62	0.80	0.84	1.03
	Left side	1.190									1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
	Right side		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
	Top side			0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Bands Ant 9	Front	0.058	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.49	0.74	0.53	0.78	0.47	0.53	0.65	0.90
	Back	0.673	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	1.02	1.22	1.06	1.26	1.03	1.20	1.25	1.44
	Left side	0.032									0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	Right side		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
	Top side			0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
	Bottom side	0.381									0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
All Bands Ant 10	Front	0.126	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.56	0.81	0.59	0.84	0.54	0.60	0.72	0.97
	Back	0.389	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.74	0.93	0.78	0.97	0.74	0.92	0.96	1.16
	Left side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.038	0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.88	0.59	1.06	0.77	0.88	1.10	1.06	0.77
	Top side	0.246		0.223	0.269		0.264	0.127		0.030	0.28	0.54	0.25	0.51	0.40	0.64	0.47	0.73
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9+16	1+2+3+10+16	1+2+11+15+16	1+2+5+11+16	1+2+4+9+15+16	1+2+4+10+15+16
			WWAN 1g SAR (W/kg)	FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 5+4 1g SAR (W/kg)	WLAN5GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 4 1g SAR (W/kg)	WLAN5GHz Ant 5+4 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Ant 0	NR Ant 1	Front	0.243	0.313	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.99	1.24	1.02	1.27	0.97	1.03	1.15	1.40
		Back	0.331	0.325	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	1.00	1.20	1.04	1.24	1.01	1.19	1.23	1.42
		Left side	0.077	0.350									0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
		Right side	0.168		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	1.01	0.72	1.19	0.90	1.01	1.23	1.19	0.90
		Top side				0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
		Bottom side	0.228	0.933									1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
LTE Ant 0	NR Ant 2	Front	0.243	0.154	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.83	1.08	0.86	1.12	0.81	0.87	0.99	1.24
		Back	0.331	0.122	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.80	1.00	0.84	1.04	0.81	0.98	1.03	1.22
		Left side	0.077	0.264									0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
		Right side	0.168		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	1.01	0.72	1.19	0.90	1.01	1.23	1.19	0.90
		Top side		0.070		0.223	0.269		0.264	0.127		0.030	0.10	0.36	0.07	0.33	0.23	0.47	0.29	0.56
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 0	NR Ant 7	Front	0.243	0.105	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.78	1.03	0.82	1.07	0.76	0.82	0.94	1.19
		Back	0.331	0.188	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.87	1.06	0.91	1.10	0.87	1.05	1.09	1.29
		Left side	0.077	0.040									0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
		Right side	0.168		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	1.01	0.72	1.19	0.90	1.01	1.23	1.19	0.90
		Top side		0.121		0.223	0.269		0.264	0.127		0.030	0.15	0.42	0.12	0.39	0.28	0.52	0.34	0.61
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 0	NR Ant 8	Front	0.243	0.370	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	1.05	1.30	1.08	1.33	1.02	1.08	1.20	1.45
		Back	0.331	0.265	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.94	1.14	0.98	1.18	0.95	1.13	1.17	1.36
		Left side	0.077	0.832									0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
		Right side	0.168		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	1.01	0.72	1.19	0.90	1.01	1.23	1.19	0.90
		Top side				0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 1	NR Ant 0	Front	0.337	0.250	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	1.02	1.27	1.05	1.31	1.00	1.06	1.18	1.43
		Back	0.350	0.309	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	1.01	1.20	1.05	1.24	1.01	1.19	1.23	1.43
		Left side	0.353	0.061									0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
		Right side		0.087	0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.92	0.64	1.11	0.82	0.93	1.15	1.11	0.82
		Top side				0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
		Bottom side	1.132	0.251									1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
LTE Ant 1	NR Ant 2	Front	0.337	0.154	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.93	1.18	0.96	1.21	0.90	0.96	1.08	1.33
		Back	0.350	0.122	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.82	1.02	0.86	1.05	0.83	1.00	1.04	1.24
		Left side	0.353	0.264									0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side		0.070		0.223	0.269		0.264	0.127		0.030	0.10	0.36	0.07	0.33	0.23	0.47	0.29	0.56
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 1	NR Ant 7	Front	0.337	0.105	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.88	1.13	0.91	1.16	0.85	0.91	1.03	1.28
		Back	0.350	0.188	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.89	1.08	0.93	1.12	0.89	1.07	1.11	1.31
		Left side	0.353	0.040									0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side		0.121		0.223	0.269		0.264	0.127		0.030	0.15	0.42	0.12	0.39	0.28	0.52	0.34	0.61
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 1	NR Ant 8	Front	0.337	0.370	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	1.14	1.39	1.17	1.43	1.12	1.18	1.30	1.55
		Back	0.350	0.265	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.96	1.16	1.00	1.20	0.97	1.14	1.19	1.38
		Left side	0.353	0.832									1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side				0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 2	NR Ant 0	Front	0.121	0.250	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.81	1.06	0.84	1.09	0.78	0.84	0.96	1.21
		Back	0.085	0.309	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.74	0.94	0.78	0.98	0.75	0.92	0.97	1.16
		Left side	0.185	0.061									0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
		Right side		0.087	0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.92	0.64	1.11	0.82	0.93	1.15	1.11	0.82



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		Top side	0.047			0.223	0.269		0.264	0.127		0.030	0.08	0.34	0.05	0.31	0.20	0.44	0.27	0.53
		Bottom side		0.251									0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
LTE Ant 2	NR Ant 1	Front	0.121	0.313	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.87	1.12	0.90	1.15	0.85	0.90	1.02	1.27
		Back	0.085	0.325	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.76	0.95	0.80	0.99	0.76	0.94	0.98	1.18
		Left side	0.185	0.350									0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side	0.047			0.223	0.269		0.264	0.127		0.030	0.08	0.34	0.05	0.31	0.20	0.44	0.27	0.53
		Bottom side		0.933									0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
LTE Ant 2	NR Ant 7	Front	0.121	0.105	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.66	0.91	0.69	0.94	0.64	0.70	0.82	1.07
		Back	0.085	0.188	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.62	0.82	0.66	0.86	0.63	0.80	0.85	1.04
		Left side	0.185	0.040									0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side	0.047	0.121		0.223	0.269		0.264	0.127		0.030	0.20	0.46	0.17	0.43	0.33	0.56	0.39	0.66
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Ant 7	NR Ant 1	Front	0.014	0.313	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.76	1.01	0.79	1.05	0.74	0.80	0.92	1.17
		Back	0.088	0.325	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.76	0.96	0.80	1.00	0.77	0.94	0.99	1.18
		Left side	0.011	0.350									0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side	0.013			0.223	0.269		0.264	0.127		0.030	0.04	0.31	0.01	0.28	0.17	0.41	0.24	0.50
		Bottom side		0.933									0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
LTE Ant 7	NR Ant 2	Front	0.014	0.154	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.60	0.85	0.64	0.89	0.58	0.64	0.76	1.01
		Back	0.088	0.122	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.56	0.75	0.60	0.79	0.56	0.74	0.78	0.98
		Left side	0.011	0.264									0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side	0.013	0.070		0.223	0.269		0.264	0.127		0.030	0.11	0.38	0.08	0.35	0.24	0.48	0.31	0.57
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



<Inter CA SAR>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			WWAN FR1 1g SAR (W/kg)	FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 5+4 1g SAR (W/kg)	WLAN5GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 4 1g SAR (W/kg)	WLAN5GHz Ant 5+4 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Ant 0	LTE Ant 1	Front	0.243	0.297	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.97	1.23	1.01	1.26	0.95	1.01	1.13	1.38
		Back	0.328	0.350	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	1.03	1.22	1.07	1.26	1.03	1.21	1.25	1.45
		Left side	0.066	0.315									0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
		Right side	0.145		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.98	0.69	1.16	0.87	0.98	1.21	1.17	0.88
		Top side				0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
		Bottom side	0.228	1.132									1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
LTE Ant 0	LTE Ant 2	Front	0.243	0.202	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.88	1.13	0.91	1.16	0.86	0.92	1.03	1.29
		Back	0.328	0.148	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.82	1.02	0.86	1.06	0.83	1.01	1.05	1.24
		Left side	0.066	0.372									0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
		Right side	0.145		0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.98	0.69	1.16	0.87	0.98	1.21	1.17	0.88
		Top side		0.053		0.223	0.269		0.264	0.127		0.030	0.08	0.35	0.05	0.32	0.21	0.45	0.28	0.54
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 1	LTE Ant 2	Front	0.297	0.202	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.93	1.18	0.97	1.22	0.91	0.97	1.09	1.34
		Back	0.350	0.148	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.85	1.04	0.89	1.08	0.85	1.03	1.07	1.27
		Left side	0.315	0.372									0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side		0.053		0.223	0.269		0.264	0.127		0.030	0.08	0.35	0.05	0.32	0.21	0.45	0.28	0.54
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 1	LTE Ant 7	Front	0.297	0.077	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.81	1.06	0.84	1.09	0.79	0.84	0.96	1.21
		Back	0.350	0.155	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.85	1.05	0.89	1.09	0.86	1.03	1.08	1.27
		Left side	0.315	0.038									0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side		0.055		0.223	0.269		0.264	0.127		0.030	0.09	0.35	0.06	0.32	0.21	0.45	0.28	0.54
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 2	LTE Ant 7	Front	0.202	0.077	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.71	0.96	0.75	1.00	0.69	0.75	0.87	1.12
		Back	0.148	0.155	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.65	0.85	0.69	0.89	0.66	0.83	0.88	1.07
		Left side	0.372	0.038									0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side	0.053	0.055		0.223	0.269		0.264	0.127		0.030	0.14	0.40	0.11	0.37	0.27	0.50	0.33	0.60
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Ant 7	LTE Ant 1	Front	0.077	0.297	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.81	1.06	0.84	1.09	0.79	0.84	0.96	1.21
		Back	0.155	0.350	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.85	1.05	0.89	1.09	0.86	1.03	1.08	1.27
		Left side	0.038	0.315									0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side	0.055			0.223	0.269		0.264	0.127		0.030	0.09	0.35	0.06	0.32	0.21	0.45	0.28	0.54
		Bottom side		1.132									1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 7	LTE Ant 2	Front	0.077	0.202	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.71	0.96	0.75	1.00	0.69	0.75	0.87	1.12
		Back	0.155	0.148	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.65	0.85	0.69	0.89	0.66	0.83	0.88	1.07
		Left side	0.038	0.372									0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side	0.055	0.053		0.223	0.269		0.264	0.127		0.030	0.14	0.40	0.11	0.37	0.27	0.50	0.33	0.60
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



<UL MIMO SAR>

FR1 Band	FR1 Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			WWAN	FR1	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 5+4	WLAN5GHz Ant 5	WLAN5GHz Ant 4	WLAN5GHz Ant 5+4	Bluetooth Ant 5	Bluetooth Ant 4	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
FR1 n41 Ant 8	FR1 n41 Ant 1	Front	0.120	0.271	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.83	1.08	0.86	1.11	0.80	0.86	0.98	1.23
		Back	0.113	0.362	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.82	1.02	0.86	1.06	0.83	1.00	1.05	1.24
		Left side	0.375	0.255									0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side				0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
		Bottom side	0.031	0.522									0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
FR1 n41 Ant 8	FR1 n41 Ant 2	Front	0.120	0.059	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.61	0.86	0.65	0.90	0.59	0.65	0.77	1.02
		Back	0.113	0.078	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.54	0.73	0.58	0.77	0.54	0.72	0.76	0.96
		Left side	0.375	0.146									0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side		0.017		0.223	0.269		0.264	0.127		0.030	0.05	0.31	0.02	0.28	0.17	0.41	0.24	0.50
		Bottom side	0.031										0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
FR1 n41 Ant 7	FR1 n41 Ant 1	Front	0.039	0.271	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.74	1.00	0.78	1.03	0.72	0.78	0.90	1.15
		Back	0.090	0.362	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.80	1.00	0.84	1.03	0.81	0.98	1.02	1.22
		Left side	0.026	0.255									0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side				0.223	0.269		0.264	0.127		0.030	0.03	0.29	0.00	0.26	0.16	0.40	0.22	0.49
		Bottom side	0.005	0.522									0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
FR1 n41 Ant 7	FR1 n41 Ant 2	Front	0.039	0.059	0.265	0.234	0.291	0.202	0.453	0.179	0.153	0.079	0.53	0.78	0.57	0.82	0.51	0.57	0.69	0.94
		Back	0.090	0.078	0.240	0.305	0.377	0.147	0.342	0.152	0.120	0.081	0.52	0.71	0.56	0.75	0.52	0.70	0.74	0.94
		Left side	0.026	0.146									0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
		Right side			0.520	0.226	0.563	0.498	0.209	0.500	0.298	0.041	0.84	0.55	1.02	0.73	0.84	1.06	1.02	0.73
		Top side		0.017		0.223	0.269		0.264	0.127		0.030	0.05	0.31	0.02	0.28	0.17	0.41	0.24	0.50
		Bottom side	0.005										0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



Camera Mode:

WWAN Band	Exposure Position	1	6	7	8	12	13	14	17	18	1+12+17+18	1+13+17+18	1+6+12	1+6+13	1+14+17+18	1+8+14	1+7+12+17	1+7+13+17
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN2.4GHz Ant 6 1g SAR (W/kg)	WLAN2.4GHz Ant 5+6 1g SAR (W/kg)	WLAN5GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 6 1g SAR (W/kg)	WLAN5GHz Ant 5+6 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 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 0	Front	0.550	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.88	0.80	0.96	0.88	0.87	1.00	0.95	0.87
	Back	0.686	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	1.03	1.36	1.12	1.45	1.14	1.28	1.18	1.50
	Left side	0.230		0.120	0.133		0.218	0.144		0.018	0.25	0.47	0.23	0.45	0.39	0.51	0.35	0.57
	Right side	0.336	0.529		0.534	0.465		0.509	0.156		0.96	0.49	1.33	0.87	1.00	1.38	0.96	0.49
	Top side			0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
	Bottom side	0.532									0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
All Bands Ant 1	Front	0.470	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.80	0.72	0.88	0.80	0.79	0.92	0.87	0.79
	Back	0.499	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.85	1.18	0.94	1.27	0.96	1.09	0.99	1.32
	Left side	0.559		0.120	0.133		0.218	0.144		0.018	0.58	0.80	0.56	0.78	0.72	0.84	0.68	0.90
	Right side		0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
	Top side			0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
	Bottom side	1.182									1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
All Bands Ant 2	Front	0.261	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.59	0.51	0.67	0.59	0.58	0.71	0.66	0.58
	Back	0.189	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.54	0.87	0.63	0.96	0.65	0.78	0.68	1.01
	Left side	0.415		0.120	0.133		0.218	0.144		0.018	0.43	0.65	0.42	0.63	0.58	0.69	0.54	0.75
	Right side		0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
	Top side	0.093		0.059	0.035		0.160	0.166		0.009	0.10	0.26	0.09	0.25	0.27	0.29	0.15	0.31
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Bands Ant 7	Front	0.114	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.44	0.36	0.52	0.44	0.43	0.57	0.51	0.43
	Back	0.184	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.53	0.86	0.62	0.95	0.64	0.77	0.67	1.00
	Left side	0.035		0.120	0.133		0.218	0.144		0.018	0.05	0.27	0.04	0.25	0.20	0.31	0.16	0.37
	Right side		0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
	Top side	0.094		0.059	0.035		0.160	0.166		0.009	0.10	0.26	0.09	0.25	0.27	0.30	0.15	0.31
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Bands Ant 8	Front	0.373	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.70	0.62	0.78	0.70	0.69	0.83	0.77	0.69
	Back	0.267	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.61	0.94	0.70	1.03	0.72	0.86	0.76	1.09
	Left side	1.190		0.120	0.133		0.218	0.144		0.018	1.21	1.43	1.19	1.41	1.35	1.47	1.31	1.53
	Right side		0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
	Top side			0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Bands Ant 9	Front	0.058	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.38	0.30	0.46	0.38	0.38	0.51	0.45	0.37
	Back	0.673	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	1.02	1.35	1.11	1.44	1.13	1.26	1.16	1.49
	Left side	0.032		0.120	0.133		0.218	0.144		0.018	0.05	0.27	0.03	0.25	0.19	0.31	0.15	0.37
	Right side		0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
	Top side			0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
	Bottom side	0.381									0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
All Bands Ant 10	Front	0.126	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.45	0.37	0.53	0.45	0.45	0.58	0.52	0.44
	Back	0.389	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.74	1.07	0.83	1.16	0.85	0.98	0.88	1.21
	Left side			0.120	0.133		0.218	0.144		0.018	0.02	0.24	0.00	0.22	0.16	0.28	0.12	0.34
	Right side	0.038	0.529		0.534	0.465		0.509	0.156		0.66	0.19	1.03	0.57	0.70	1.08	0.66	0.19
	Top side	0.246		0.059	0.035		0.160	0.166		0.009	0.26	0.42	0.25	0.41	0.42	0.45	0.31	0.47
	Bottom side										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	6	7	8	12	13	14	17	18	1+2+12+17+18	1+2+13+17+18	1+2+6+12	1+2+6+13	1+2+14+17+18	1+2+8+14	1+2+7+12+17	1+2+7+13+17
			WWAN	FR1	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 6	WLAN2.4GHz Ant 5+6	WLAN5GHz Ant 5	WLAN5GHz Ant 6	WLAN5GHz Ant 5+6	Bluetooth Ant 5	Bluetooth Ant 6	Summed	Summed	Summed	Summed	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)	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)
LTE Ant 0	NR Ant 1	Front	0.243	0.313	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.88	0.80	0.96	0.88	0.88	1.01	0.95	0.87
		Back	0.331	0.325	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	1.00	1.33	1.09	1.42	1.11	1.25	1.15	1.47
		Left side	0.077	0.350		0.120	0.133		0.218	0.144		0.018	0.45	0.66	0.43	0.65	0.59	0.70	0.55	0.77
		Right side	0.168		0.529		0.534	0.465		0.509	0.156		0.79	0.32	1.16	0.70	0.83	1.21	0.79	0.32
		Top side				0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
		Bottom side	0.228	0.933									1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
LTE Ant 0	NR Ant 2	Front	0.243	0.154	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.72	0.64	0.80	0.72	0.72	0.85	0.79	0.71
		Back	0.331	0.122	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.80	1.13	0.89	1.22	0.91	1.04	0.94	1.27
		Left side	0.077	0.264		0.120	0.133		0.218	0.144		0.018	0.36	0.58	0.34	0.56	0.50	0.62	0.46	0.68
		Right side	0.168		0.529		0.534	0.465		0.509	0.156		0.79	0.32	1.16	0.70	0.83	1.21	0.79	0.32
		Top side		0.070		0.059	0.035		0.160	0.166		0.009	0.08	0.24	0.07	0.23	0.25	0.27	0.13	0.29
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 0	NR Ant 7	Front	0.243	0.105	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.67	0.59	0.75	0.67	0.67	0.80	0.74	0.66
		Back	0.331	0.188	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.87	1.20	0.96	1.29	0.98	1.11	1.01	1.34
		Left side	0.077	0.040		0.120	0.133		0.218	0.144		0.018	0.14	0.35	0.12	0.34	0.28	0.39	0.24	0.46
		Right side	0.168		0.529		0.534	0.465		0.509	0.156		0.79	0.32	1.16	0.70	0.83	1.21	0.79	0.32
		Top side		0.121		0.059	0.035		0.160	0.166		0.009	0.13	0.29	0.12	0.28	0.30	0.32	0.18	0.34
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 0	NR Ant 8	Front	0.243	0.370	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.94	0.86	1.02	0.94	0.93	1.07	1.01	0.93
		Back	0.331	0.265	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.94	1.27	1.03	1.36	1.05	1.19	1.09	1.41
		Left side	0.077	0.832		0.120	0.133		0.218	0.144		0.018	0.93	1.15	0.91	1.13	1.07	1.19	1.03	1.25
		Right side	0.168		0.529		0.534	0.465		0.509	0.156		0.79	0.32	1.16	0.70	0.83	1.21	0.79	0.32
		Top side				0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 1	NR Ant 9	Front	0.337	0.250	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.91	0.83	0.99	0.91	0.91	1.04	0.98	0.90
		Back	0.350	0.309	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	1.01	1.34	1.10	1.43	1.12	1.25	1.15	1.48
		Left side	0.353	0.061		0.120	0.133		0.218	0.144		0.018	0.43	0.65	0.41	0.63	0.58	0.69	0.53	0.75
		Right side		0.087	0.529		0.534	0.465		0.509	0.156		0.71	0.24	1.08	0.62	0.75	1.13	0.71	0.24
		Top side				0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
		Bottom side	1.132	0.251									1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
LTE Ant 1	NR Ant 2	Front	0.337	0.154	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.82	0.74	0.90	0.82	0.81	0.94	0.89	0.81
		Back	0.350	0.122	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.82	1.15	0.91	1.24	0.93	1.06	0.96	1.29
		Left side	0.353	0.264		0.120	0.133		0.218	0.144		0.018	0.64	0.85	0.62	0.84	0.78	0.89	0.74	0.96
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side		0.070		0.059	0.035		0.160	0.166		0.009	0.08	0.24	0.07	0.23	0.25	0.27	0.13	0.29
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 1	NR Ant 7	Front	0.337	0.105	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.77	0.69	0.85	0.77	0.76	0.90	0.84	0.76
		Back	0.350	0.188	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.89	1.21	0.98	1.30	1.00	1.13	1.03	1.36
		Left side	0.353	0.040		0.120	0.133		0.218	0.144		0.018	0.41	0.63	0.39	0.61	0.56	0.67	0.51	0.73
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side		0.121		0.059	0.035		0.160	0.166		0.009	0.13	0.29	0.12	0.28	0.30	0.32	0.18	0.34
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 1	NR Ant 8	Front	0.337	0.370	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	1.03	0.95	1.11	1.03	1.03	1.16	1.10	1.02
		Back	0.350	0.265	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.96	1.29	1.05	1.38	1.07	1.20	1.10	1.43
		Left side	0.353	0.832		0.120	0.133		0.218	0.144		0.018	1.20	1.42	1.19	1.40	1.35	1.46	1.31	1.52
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side				0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 2	NR Ant 9	Front	0.121	0.250	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.70	0.62	0.78	0.70	0.69	0.82	0.77	0.69
		Back	0.085	0.309	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.74	1.07	0.83	1.16	0.85	0.98	0.88	1.21
		Left side	0.185	0.061		0.120	0.133		0.218	0.144		0.018	0.26	0.48	0.25	0.46	0.41	0.52	0.37	0.58
		Right side		0.087	0.529		0.534	0.465		0.509	0.156		0.71	0.24	1.08	0.62	0.75	1.13	0.71	0.24



FCC SAR Test Report

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		Top side	0.047			0.059	0.035		0.160	0.166		0.009	0.06	0.22	0.05	0.21	0.22	0.25	0.11	0.27
		Bottom side		0.251									0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
LTE Ant 2	NR Ant 1	Front	0.121	0.313	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.76	0.68	0.84	0.76	0.75	0.89	0.83	0.75
		Back	0.085	0.325	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.76	1.09	0.85	1.18	0.87	1.00	0.90	1.23
		Left side	0.185	0.350		0.120	0.133		0.218	0.144		0.018	0.55	0.77	0.54	0.75	0.70	0.81	0.66	0.87
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side	0.047			0.059	0.035		0.160	0.166		0.009	0.06	0.22	0.05	0.21	0.22	0.25	0.11	0.27
		Bottom side		0.933									0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
LTE Ant 7	NR Ant 7	Front	0.121	0.105	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.55	0.47	0.63	0.55	0.55	0.68	0.62	0.54
		Back	0.085	0.188	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.62	0.95	0.71	1.04	0.73	0.86	0.76	1.09
		Left side	0.185	0.040		0.120	0.133		0.218	0.144		0.018	0.24	0.46	0.23	0.44	0.39	0.50	0.35	0.56
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side	0.047	0.121		0.059	0.035		0.160	0.166		0.009	0.18	0.34	0.17	0.33	0.34	0.37	0.23	0.39
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Ant 7	NR Ant 1	Front	0.014	0.313	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.65	0.57	0.73	0.65	0.65	0.78	0.72	0.64
		Back	0.088	0.325	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.76	1.09	0.85	1.18	0.87	1.00	0.90	1.23
		Left side	0.011	0.350		0.120	0.133		0.218	0.144		0.018	0.38	0.60	0.36	0.58	0.52	0.64	0.48	0.70
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side	0.013			0.059	0.035		0.160	0.166		0.009	0.02	0.18	0.01	0.17	0.19	0.21	0.07	0.23
		Bottom side		0.933									0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
LTE Ant 7	NR Ant 2	Front	0.014	0.154	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.49	0.41	0.57	0.49	0.49	0.62	0.56	0.48
		Back	0.088	0.122	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.56	0.89	0.65	0.98	0.67	0.80	0.70	1.03
		Left side	0.011	0.264		0.120	0.133		0.218	0.144		0.018	0.29	0.51	0.28	0.49	0.44	0.55	0.40	0.61
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side	0.013	0.070		0.059	0.035		0.160	0.166		0.009	0.09	0.25	0.08	0.24	0.26	0.28	0.14	0.30
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



<Inter CA SAR>

WWAN Band	WWAN Band	Exposure Position	1	2	6	7	8	12	13	14	17	18	1+2+12+17+18	1+2+13+17+18	1+2+6+12	1+2+6+13	1+2+14+17+18	1+2+8+14	1+2+7+12+17	1+2+7+13+17
			WWAN FR1 1g SAR (W/kg)	FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN2.4GHz Ant 6 1g SAR (W/kg)	WLAN2.4GHz Ant 5+6 1g SAR (W/kg)	WLAN5GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 6 1g SAR (W/kg)	WLAN5GHz Ant 5+6 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Ant 0	LTE Ant 1	Front	0.243	0.297	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.87	0.79	0.95	0.87	0.86	0.99	0.94	0.86
		Back	0.328	0.350	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	1.03	1.35	1.12	1.44	1.14	1.27	1.17	1.50
		Left side	0.066	0.315		0.120	0.133		0.218	0.144		0.018	0.40	0.62	0.38	0.60	0.54	0.66	0.50	0.72
		Right side	0.145		0.529		0.534	0.465		0.509	0.156		0.77	0.30	1.14	0.67	0.81	1.19	0.77	0.30
		Top side				0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
		Bottom side	0.228	1.132									1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
LTE Ant 0	LTE Ant 2	Front	0.243	0.202	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.77	0.69	0.85	0.77	0.76	0.90	0.84	0.76
		Back	0.328	0.148	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.82	1.15	0.91	1.24	0.93	1.07	0.97	1.29
		Left side	0.066	0.372		0.120	0.133		0.218	0.144		0.018	0.46	0.67	0.44	0.66	0.60	0.72	0.56	0.78
		Right side	0.145		0.529		0.534	0.465		0.509	0.156		0.77	0.30	1.14	0.67	0.81	1.19	0.77	0.30
		Top side		0.053		0.059	0.035		0.160	0.166		0.009	0.06	0.22	0.05	0.21	0.23	0.25	0.11	0.27
		Bottom side	0.228										0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTE Ant 1	LTE Ant 2	Front	0.297	0.202	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.83	0.75	0.91	0.83	0.82	0.95	0.89	0.81
		Back	0.350	0.148	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.85	1.17	0.94	1.26	0.96	1.09	0.99	1.32
		Left side	0.315	0.372		0.120	0.133		0.218	0.144		0.018	0.71	0.92	0.69	0.91	0.85	0.96	0.81	1.03
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side		0.053		0.059	0.035		0.160	0.166		0.009	0.06	0.22	0.05	0.21	0.23	0.25	0.11	0.27
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 1	LTE Ant 7	Front	0.297	0.077	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.70	0.62	0.78	0.70	0.69	0.83	0.77	0.69
		Back	0.350	0.155	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.85	1.18	0.94	1.27	0.96	1.09	0.99	1.32
		Left side	0.315	0.038		0.120	0.133		0.218	0.144		0.018	0.37	0.59	0.35	0.57	0.52	0.63	0.47	0.69
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side		0.055		0.059	0.035		0.160	0.166		0.009	0.06	0.22	0.06	0.22	0.23	0.26	0.11	0.27
		Bottom side	1.132										1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 2	LTE Ant 7	Front	0.202	0.077	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.61	0.53	0.69	0.61	0.60	0.73	0.67	0.59
		Back	0.148	0.155	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.65	0.98	0.74	1.07	0.76	0.89	0.79	1.12
		Left side	0.372	0.038		0.120	0.133		0.218	0.144		0.018	0.43	0.65	0.41	0.63	0.57	0.69	0.53	0.75
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side	0.053	0.055		0.059	0.035		0.160	0.166		0.009	0.12	0.28	0.11	0.27	0.28	0.31	0.17	0.33
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Ant 7	LTE Ant 1	Front	0.077	0.297	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.70	0.62	0.78	0.70	0.69	0.83	0.77	0.69
		Back	0.155	0.350	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.85	1.18	0.94	1.27	0.96	1.09	0.99	1.32
		Left side	0.038	0.315		0.120	0.133		0.218	0.144		0.018	0.37	0.59	0.35	0.57	0.52	0.63	0.47	0.69
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side	0.055			0.059	0.035		0.160	0.166		0.009	0.06	0.22	0.06	0.22	0.23	0.26	0.11	0.27
		Bottom side		1.132									1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LTE Ant 7	LTE Ant 2	Front	0.077	0.202	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.61	0.53	0.69	0.61	0.60	0.73	0.67	0.59
		Back	0.155	0.148	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.65	0.98	0.74	1.07	0.76	0.89	0.79	1.12
		Left side	0.038	0.372		0.120	0.133		0.218	0.144		0.018	0.43	0.65	0.41	0.63	0.57	0.69	0.53	0.75
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side	0.055	0.053		0.059	0.035		0.160	0.166		0.009	0.12	0.28	0.11	0.27	0.28	0.31	0.17	0.33
		Bottom side											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



<UL MIMO SAR>

FR1 Band	FR1 Band	Exposure Position	1	2	6	7	8	12	13	14	17	18	1+2+12+17+18	1+2+13+17+18	1+2+6+12	1+2+6+13	1+2+14+17+18	1+2+8+14	1+2+7+12+17	1+2+7+13+17
			WWAN 1g SAR (W/kg)	FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN2.4GHz Ant 6 1g SAR (W/kg)	WLAN2.4GHz Ant 5+6 1g SAR (W/kg)	WLAN5GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 6 1g SAR (W/kg)	WLAN5GHz Ant 5+6 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
FR1 n41 Ant 8	FR1 n41 Ant 1	Front	0.120	0.271	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.72	0.64	0.80	0.72	0.71	0.84	0.79	0.71
		Back	0.113	0.362	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.82	1.15	0.91	1.24	0.93	1.06	0.96	1.29
		Left side	0.375	0.255		0.120	0.133		0.218	0.144		0.018	0.65	0.87	0.63	0.85	0.79	0.91	0.75	0.97
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side				0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
		Bottom side	0.031	0.522									0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
FR1 n41 Ant 8	FR1 n41 Ant 2	Front	0.120	0.059	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.51	0.43	0.59	0.51	0.50	0.63	0.57	0.49
		Back	0.113	0.078	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.54	0.87	0.63	0.96	0.65	0.78	0.68	1.01
		Left side	0.375	0.146		0.120	0.133		0.218	0.144		0.018	0.54	0.76	0.52	0.74	0.68	0.80	0.64	0.86
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side		0.017		0.059	0.035		0.160	0.166		0.009	0.03	0.19	0.02	0.18	0.19	0.22	0.08	0.24
		Bottom side	0.031										0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
FR1 n41 Ant 7	FR1 n41 Ant 1	Front	0.039	0.271	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.64	0.56	0.72	0.64	0.63	0.76	0.71	0.63
		Back	0.090	0.362	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.80	1.13	0.89	1.22	0.91	1.04	0.94	1.27
		Left side	0.026	0.255		0.120	0.133		0.218	0.144		0.018	0.30	0.52	0.28	0.50	0.44	0.56	0.40	0.62
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side				0.059	0.035		0.160	0.166		0.009	0.01	0.17	0.00	0.16	0.18	0.20	0.06	0.22
		Bottom side	0.005	0.522									0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
FR1 n41 Ant 7	FR1 n41 Ant 2	Front	0.039	0.059	0.238	0.092	0.292	0.168	0.088	0.161	0.135	0.023	0.42	0.34	0.50	0.42	0.42	0.55	0.49	0.41
		Back	0.090	0.078	0.265	0.207	0.307	0.172	0.501	0.282	0.110	0.065	0.52	0.84	0.61	0.93	0.63	0.76	0.66	0.99
		Left side	0.026	0.146		0.120	0.133		0.218	0.144		0.018	0.19	0.41	0.17	0.39	0.33	0.45	0.29	0.51
		Right side			0.529		0.534	0.465		0.509	0.156		0.62	0.16	0.99	0.53	0.67	1.04	0.62	0.16
		Top side		0.017		0.059	0.035		0.160	0.166		0.009	0.03	0.19	0.02	0.18	0.19	0.22	0.08	0.24
		Bottom side	0.005										0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



15.3 Body-Worn Accessory Exposure Conditions

<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	1+2
			WWAN	FR1	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Ant 0	NR Ant 1	Front	0.277	0.412	0.69
		Back	0.456	0.517	0.97
LTE Ant 0	NR Ant 2	Front	0.277	0.281	0.56
		Back	0.456	0.503	0.96
LTE Ant 0	NR Ant 7	Front	0.277	0.171	0.45
		Back	0.456	0.415	0.87
LTE Ant 0	NR Ant 8	Front	0.277	0.288	0.57
		Back	0.456	0.187	0.64
LTE Ant 1	NR Ant 0	Front	0.305	0.128	0.43
		Back	0.393	0.330	0.72
LTE Ant 1	NR Ant 2	Front	0.305	0.281	0.59
		Back	0.393	0.503	0.90
LTE Ant 1	NR Ant 7	Front	0.305	0.171	0.48
		Back	0.393	0.415	0.81
LTE Ant 1	NR Ant 8	Front	0.305	0.288	0.59
		Back	0.393	0.187	0.58
LTE Ant 2	NR Ant 0	Front	0.235	0.128	0.36
		Back	0.458	0.330	0.79
LTE Ant 2	NR Ant 1	Front	0.235	0.412	0.65
		Back	0.458	0.517	0.98
LTE Ant 2	NR Ant 7	Front	0.235	0.171	0.41
		Back	0.458	0.415	0.87
LTE Ant 7	NR Ant 1	Front	0.056	0.412	0.47
		Back	0.157	0.517	0.67
LTE Ant 7	NR Ant 2	Front	0.056	0.281	0.34
		Back	0.157	0.503	0.66

Normal Mode:

WWAN Band	Exposure Position	1	3	4	5	9	10	11	15	16	1+9+15+16	1+10+15+16	1+3+9	1+3+10	1+11+15+16	1+5+11	1+4+9+15	1+4+10+15
		WWAN	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 5+4	WLAN5GHz 6GHz Ant 5	WLAN5GHz 6GHz Ant 4	WLAN5GHz 6GHz Ant 5+4	Bluetooth Ant 5	Bluetooth Ant 4	Summed	Summed	Summed	Summed	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)	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	Front	0.405	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.80	0.90	1.01	1.10	0.76	0.87	0.99	1.08
	Back	0.566	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.90	0.88	1.09	1.06	0.88	1.28	1.26	1.23
All Bands Ant 1	Front	0.412	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.81	0.91	1.02	1.11	0.77	0.88	0.99	1.09
	Back	0.517	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.85	0.83	1.04	1.02	0.83	1.23	1.21	1.18
All Bands Ant 2	Front	0.291	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.69	0.78	0.90	0.99	0.65	0.76	0.87	0.97
	Back	0.503	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.84	0.81	1.03	1.00	0.81	1.22	1.19	1.17
All Bands Ant 7	Front	0.171	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.57	0.66	0.78	0.87	0.53	0.64	0.75	0.85
	Back	0.415	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.75	0.72	0.94	0.91	0.73	1.13	1.11	1.08
All Bands Ant 8	Front	0.288	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.69	0.78	0.89	0.99	0.64	0.76	0.87	0.96
	Back	0.187	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.52	0.50	0.71	0.69	0.50	0.90	0.88	0.85
All Bands Ant 9	Front	0.023	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.42	0.52	0.63	0.72	0.38	0.49	0.61	0.70
	Back	0.412	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.75	0.72	0.94	0.91	0.72	1.13	1.10	1.07
All Bands Ant 10	Front	0.136	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.54	0.63	0.74	0.84	0.49	0.60	0.72	0.81
	Back	0.276	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.61	0.59	0.80	0.77	0.59	0.99	0.97	0.94



<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			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)	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)
LTE Ant 0	NR Ant 1	Front	0.277	0.235	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.91	1.01	1.12	1.21	0.87	0.98	1.09	1.19
		Back	0.363	0.295	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	1.00	0.97	1.18	1.16	0.97	1.37	1.35	1.32
LTE Ant 0	NR Ant 2	Front	0.277	0.281	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.96	1.05	1.16	1.26	0.91	1.03	1.14	1.23
		Back	0.363	0.283	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.98	0.96	1.17	1.14	0.96	1.36	1.34	1.31
LTE Ant 0	NR Ant 7	Front	0.277	0.143	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.82	0.91	1.03	1.12	0.78	0.89	1.00	1.10
		Back	0.363	0.292	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.99	0.96	1.18	1.15	0.97	1.37	1.35	1.32
LTE Ant 0	NR Ant 8	Front	0.277	0.288	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.96	1.06	1.17	1.26	0.92	1.03	1.15	1.24
		Back	0.363	0.187	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.89	0.86	1.08	1.05	0.86	1.26	1.24	1.21
LTE Ant 1	NR Ant 0	Front	0.305	0.099	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.80	0.90	1.01	1.10	0.76	0.87	0.99	1.08
		Back	0.393	0.258	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.99	0.96	1.18	1.15	0.96	1.37	1.34	1.31
LTE Ant 1	NR Ant 2	Front	0.305	0.281	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.99	1.08	1.19	1.29	0.94	1.05	1.17	1.26
		Back	0.393	0.283	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	1.01	0.99	1.20	1.17	0.99	1.39	1.37	1.34
LTE Ant 1	NR Ant 7	Front	0.305	0.143	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.85	0.94	1.05	1.15	0.80	0.92	1.03	1.12
		Back	0.393	0.292	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	1.02	0.99	1.21	1.18	1.00	1.40	1.38	1.35
LTE Ant 1	NR Ant 8	Front	0.305	0.288	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.99	1.09	1.20	1.29	0.95	1.06	1.18	1.27
		Back	0.393	0.187	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.92	0.89	1.11	1.08	0.89	1.29	1.27	1.24
LTE Ant 2	NR Ant 0	Front	0.235	0.099	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.73	0.83	0.94	1.03	0.69	0.80	0.92	1.01
		Back	0.366	0.258	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.96	0.93	1.15	1.12	0.93	1.34	1.31	1.29
LTE Ant 2	NR Ant 1	Front	0.235	0.235	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.87	0.96	1.08	1.17	0.83	0.94	1.05	1.15
		Back	0.366	0.295	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	1.00	0.97	1.19	1.16	0.97	1.38	1.35	1.32
LTE Ant 2	NR Ant 7	Front	0.235	0.143	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.78	0.87	0.98	1.08	0.73	0.85	0.96	1.05
		Back	0.366	0.292	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	1.00	0.97	1.18	1.16	0.97	1.37	1.35	1.32
LTE Ant 7	NR Ant 1	Front	0.056	0.235	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.69	0.78	0.90	0.99	0.65	0.76	0.87	0.97
		Back	0.157	0.295	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.79	0.76	0.98	0.95	0.76	1.17	1.14	1.11
LTE Ant 7	NR Ant 2	Front	0.056	0.281	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.74	0.83	0.94	1.04	0.69	0.80	0.92	1.01
		Back	0.157	0.283	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.78	0.75	0.97	0.94	0.75	1.15	1.13	1.10



<Inter CA SAR>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			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)	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)
LTE Ant 0	LTE Ant 1	Front	0.152	0.263	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.81	0.91	1.02	1.11	0.77	0.88	1.00	1.09
		Back	0.237	0.312	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.89	0.86	1.08	1.05	0.86	1.26	1.24	1.21
LTE Ant 0	LTE Ant 2	Front	0.152	0.123	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.67	0.77	0.88	0.97	0.63	0.74	0.86	0.95
		Back	0.237	0.274	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.85	0.82	1.04	1.01	0.82	1.23	1.20	1.17
LTE Ant 1	LTE Ant 2	Front	0.263	0.123	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.79	0.88	0.99	1.09	0.74	0.85	0.97	1.06
		Back	0.312	0.274	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.92	0.90	1.11	1.08	0.90	1.30	1.28	1.25
LTE Ant 1	LTE Ant 7	Front	0.263	0.061	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.72	0.82	0.93	1.02	0.68	0.79	0.91	1.00
		Back	0.312	0.132	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.78	0.75	0.97	0.94	0.75	1.16	1.13	1.11
LTE Ant 2	LTE Ant 7	Front	0.123	0.061	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.58	0.68	0.79	0.88	0.54	0.65	0.77	0.86
		Back	0.274	0.132	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.74	0.72	0.93	0.90	0.72	1.12	1.10	1.07
LTE Ant 7	LTE Ant 1	Front	0.061	0.263	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.72	0.82	0.93	1.02	0.68	0.79	0.91	1.00
		Back	0.132	0.312	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.78	0.75	0.97	0.94	0.75	1.16	1.13	1.11
LTE Ant 7	LTE Ant 2	Front	0.061	0.123	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.58	0.68	0.79	0.88	0.54	0.65	0.77	0.86
		Back	0.132	0.274	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.74	0.72	0.93	0.90	0.72	1.12	1.10	1.07

<UL MIMO SAR>

FR1 Band	FR1 Band	Exposure Position	1	2	3	4	5	9	10	11	15	16	1+2+9+15+16	1+2+10+15+16	1+2+3+9	1+2+3+10	1+2+11+15+16	1+2+5+11	1+2+4+9+15	1+2+4+10+15
			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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n41 Ant 8	FR1 n41 Ant 1	Front	0.066	0.217	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.68	0.78	0.89	0.98	0.64	0.75	0.87	0.96
		Back	0.051	0.257	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.65	0.62	0.83	0.81	0.62	1.02	1.00	0.97
FR1 n41 Ant 8	FR1 n41 Ant 2	Front	0.066	0.123	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.59	0.68	0.79	0.89	0.55	0.66	0.77	0.87
		Back	0.051	0.173	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.56	0.53	0.75	0.72	0.53	0.94	0.91	0.89
FR1 n41 Ant 7	FR1 n41 Ant 1	Front	0.044	0.217	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.66	0.75	0.87	0.96	0.62	0.73	0.84	0.94
		Back	0.066	0.257	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.66	0.63	0.85	0.82	0.63	1.04	1.01	0.99
FR1 n41 Ant 7	FR1 n41 Ant 2	Front	0.044	0.123	0.333	0.213	0.238	0.272	0.366	0.229	0.097	0.030	0.57	0.66	0.77	0.87	0.52	0.63	0.75	0.84
		Back	0.066	0.173	0.284	0.385	0.499	0.242	0.214	0.215	0.063	0.032	0.58	0.55	0.77	0.74	0.55	0.95	0.93	0.90



Camera Mode:

WWAN Band	Exposure Position	1	6	7	8	12	13	14	17	18	1+12+17+18	1+13+17+18	1+6+12	1+6+13	1+14+17+18	1+8+14	1+7+12+17	1+7+13+17
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN2.4GHz Ant 6 1g SAR (W/kg)	WLAN2.4GHz Ant 5+6 1g SAR (W/kg)	WLAN5GHz/6GHz Ant 5 1g SAR (W/kg)	WLAN5GHz/6GHz Ant 6 1g SAR (W/kg)	WLAN5GHz/6GHz Ant 5+6 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 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 0	Front	0.405	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.74	0.68	0.86	0.80	0.72	0.89	0.78	0.72
	Back	0.566	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.86	1.34	0.97	1.44	1.14	1.38	0.93	1.40
All Bands Ant 1	Front	0.412	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.75	0.68	0.87	0.81	0.72	0.89	0.78	0.72
	Back	0.517	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.81	1.29	0.92	1.39	1.09	1.33	0.88	1.35
All Bands Ant 2	Front	0.291	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.62	0.56	0.75	0.69	0.60	0.77	0.66	0.60
	Back	0.503	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.80	1.27	0.90	1.38	1.08	1.31	0.86	1.34
All Bands Ant 7	Front	0.171	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.50	0.44	0.63	0.57	0.48	0.65	0.54	0.48
	Back	0.415	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.71	1.19	0.82	1.29	0.99	1.23	0.77	1.25
All Bands Ant 8	Front	0.288	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.62	0.56	0.74	0.68	0.60	0.77	0.66	0.60
	Back	0.187	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.48	0.96	0.59	1.06	0.76	1.00	0.55	1.02
All Bands Ant 9	Front	0.023	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.36	0.29	0.48	0.42	0.33	0.50	0.40	0.33
	Back	0.412	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.71	1.18	0.81	1.29	0.98	1.22	0.77	1.25
All Bands Ant 10	Front	0.136	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.47	0.41	0.59	0.53	0.45	0.62	0.51	0.45
	Back	0.276	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.57	1.05	0.68	1.15	0.85	1.09	0.64	1.11

<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	6	7	8	12	13	14	17	18	1+2+12+17+18	1+2+13+17+18	1+2+6+12	1+2+6+13	1+2+14+17+18	1+2+8+14	1+2+7+12+17	1+2+7+13+17
			WWAN 1g SAR (W/kg)	FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN2.4GHz Ant 6 1g SAR (W/kg)	WLAN2.4GHz Ant 5+6 1g SAR (W/kg)	WLAN5GHz/6GHz Ant 5 1g SAR (W/kg)	WLAN5GHz/6GHz Ant 6 1g SAR (W/kg)	WLAN5GHz/6GHz Ant 5+6 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Ant 0	NR Ant 1	Front	0.277	0.235	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.845	0.783	0.97	0.91	0.82	0.99	0.88	0.82
		Back	0.363	0.295	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.953	1.428	1.06	1.53	1.23	1.47	1.02	1.49
LTE Ant 0	NR Ant 2	Front	0.277	0.281	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.891	0.829	1.01	0.95	0.87	1.04	0.93	0.87
		Back	0.363	0.283	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.941	1.416	1.05	1.52	1.22	1.46	1.01	1.48
LTE Ant 0	NR Ant 7	Front	0.277	0.143	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.753	0.691	0.88	0.81	0.73	0.90	0.79	0.73
		Back	0.363	0.292	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.950	1.425	1.06	1.53	1.23	1.47	1.01	1.49
LTE Ant 0	NR Ant 8	Front	0.277	0.288	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.898	0.836	1.02	0.96	0.88	1.05	0.94	0.88
		Back	0.363	0.187	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.845	1.320	0.95	1.43	1.12	1.36	0.91	1.38
LTE Ant 1	NR Ant 0	Front	0.305	0.099	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.737	0.675	0.86	0.80	0.71	0.89	0.78	0.71
		Back	0.393	0.258	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.946	1.421	1.05	1.53	1.22	1.46	1.01	1.49
LTE Ant 1	NR Ant 2	Front	0.305	0.281	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.919	0.857	1.04	0.98	0.90	1.07	0.96	0.90
		Back	0.393	0.283	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.971	1.446	1.08	1.55	1.25	1.49	1.04	1.51
LTE Ant 1	NR Ant 7	Front	0.305	0.143	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.781	0.719	0.90	0.84	0.76	0.93	0.82	0.76
		Back	0.393	0.292	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.980	1.455	1.09	1.56	1.26	1.50	1.04	1.52
LTE Ant 1	NR Ant 8	Front	0.305	0.288	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.926	0.864	1.05	0.99	0.90	1.07	0.97	0.90
		Back	0.393	0.187	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.875	1.350	0.98	1.46	1.15	1.39	0.94	1.41
LTE Ant 2	NR Ant 0	Front	0.235	0.099	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.667	0.605	0.79	0.73	0.64	0.82	0.71	0.64
		Back	0.366	0.258	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.919	1.394	1.03	1.50	1.20	1.43	0.98	1.46
LTE Ant 2	NR Ant 1	Front	0.235	0.235	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.803	0.741	0.93	0.86	0.78	0.95	0.84	0.78
		Back	0.366	0.295	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.956	1.431	1.06	1.54	1.23	1.47	1.02	1.50
LTE Ant 2	NR Ant 7	Front	0.235	0.143	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.711	0.649	0.83	0.77	0.69	0.86	0.75	0.69
		Back	0.366	0.292	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.953	1.428	1.06	1.53	1.23	1.47	1.02	1.49
LTE Ant 7	NR Ant 1	Front	0.056	0.235	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.624	0.562	0.75	0.69	0.60	0.77	0.66	0.60
		Back	0.157	0.295	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.747	1.222	0.85	1.33	1.02	1.26	0.81	1.29
LTE Ant 7	NR Ant 2	Front	0.056	0.281	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.670	0.608	0.79	0.73	0.65	0.82	0.71	0.65
		Back	0.157	0.283	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.735	1.210	0.84	1.32	1.01	1.25	0.80	1.27



<Inter CA SAR>

WWAN Band	WWAN Band	Exposure Position	1	2	6	7	8	12	13	14	17	18	1+2+12+17+18	1+2+13+17+18	1+2+6+12	1+2+6+13	1+2+14+17+18	1+2+8+14	1+2+7+12+17	1+2+7+13+17
			WWAN	FR1	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 6	WLAN2.4GHz Ant 5+6	WLAN5GHz 6GHz Ant 5	WLAN5GHz 6GHz Ant 6	WLAN5GHz 6GHz Ant 5+6	Bluetooth Ant 5	Bluetooth Ant 6	Summed	Summed	Summed	Summed	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)	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)
LTE Ant 0	LTE Ant 1	Front	0.152	0.263	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.75	0.69	0.87	0.81	0.73	0.90	0.79	0.73
		Back	0.237	0.312	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.84	1.32	0.95	1.43	1.12	1.36	0.91	1.38
LTE Ant 0	LTE Ant 2	Front	0.152	0.123	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.61	0.55	0.73	0.67	0.59	0.76	0.65	0.59
		Back	0.237	0.274	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.81	1.28	0.91	1.39	1.08	1.32	0.87	1.35
LTE Ant 1	LTE Ant 2	Front	0.263	0.123	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.72	0.66	0.84	0.78	0.70	0.87	0.76	0.70
		Back	0.312	0.274	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.88	1.36	0.99	1.46	1.16	1.40	0.95	1.42
LTE Ant 1	LTE Ant 7	Front	0.263	0.061	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.66	0.60	0.78	0.72	0.63	0.81	0.70	0.63
		Back	0.312	0.132	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.74	1.21	0.85	1.32	1.02	1.25	0.80	1.28
LTE Ant 2	LTE Ant 7	Front	0.123	0.061	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.52	0.46	0.64	0.58	0.49	0.67	0.56	0.49
		Back	0.274	0.132	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.70	1.18	0.81	1.28	0.98	1.22	0.77	1.24
LTE Ant 7	LTE Ant 1	Front	0.061	0.263	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.66	0.60	0.78	0.72	0.63	0.81	0.70	0.63
		Back	0.132	0.312	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.74	1.21	0.85	1.32	1.02	1.25	0.80	1.28
LTE Ant 7	LTE Ant 2	Front	0.061	0.123	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.52	0.46	0.64	0.58	0.49	0.67	0.56	0.49
		Back	0.132	0.274	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.70	1.18	0.81	1.28	0.98	1.22	0.77	1.24

<UL MIMO SAR>

FR1 Band	FR1 Band	Exposure Position	1	2	6	7	8	12	13	14	17	18	1+2+12+17+18	1+2+13+17+18	1+2+6+12	1+2+6+13	1+2+14+17+18	1+2+8+14	1+2+7+12+17	1+2+7+13+17
			WWAN	FR1	WLAN2.4GHz Ant 5	WLAN2.4GHz Ant 6	WLAN2.4GHz Ant 5+6	WLAN5GHz 6GHz Ant 5	WLAN5GHz 6GHz Ant 6	WLAN5GHz 6GHz Ant 5+6	Bluetooth Ant 5	Bluetooth Ant 6	Summed	Summed	Summed	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n41 Ant 8	FR1 n41 Ant 1	Front	0.066	0.217	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.62	0.55	0.74	0.68	0.59	0.76	0.66	0.59
		Back	0.051	0.257	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.60	1.08	0.71	1.18	0.88	1.12	0.67	1.14
FR1 n41 Ant 8	FR1 n41 Ant 2	Front	0.066	0.123	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.52	0.46	0.65	0.58	0.50	0.67	0.56	0.50
		Back	0.051	0.173	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.52	0.99	0.63	1.10	0.80	1.03	0.58	1.06
FR1 n41 Ant 7	FR1 n41 Ant 1	Front	0.044	0.217	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.59	0.53	0.72	0.66	0.57	0.74	0.63	0.57
		Back	0.066	0.257	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.62	1.09	0.72	1.20	0.90	1.13	0.68	1.16
FR1 n41 Ant 7	FR1 n41 Ant 2	Front	0.044	0.123	0.204	0.050	0.252	0.252	0.190	0.229	0.070	0.011	0.50	0.44	0.62	0.56	0.48	0.65	0.54	0.48
		Back	0.066	0.173	0.182	0.084	0.314	0.219	0.694	0.496	0.056	0.020	0.53	1.01	0.64	1.12	0.81	1.05	0.60	1.07

15.4 Product specific 10g SAR Exposure Conditions

Remark:

- For WLAN2.4GHz/Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

Normal Mode:

WWAN Band	Exposure Position	1	9	10	11	19	1+9+19	1+10+19	1+11+19
		WWAN	WLAN5GHz/6GHz Ant 5	WLAN5GHz/6GHz Ant 4	WLAN5GHz/6GHz Ant 5+4	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	1.780	1.237	2.178	0.967		3.02	3.96	2.75
	Back	1.464	0.779	1.480	0.605	0.012	2.26	2.96	2.08
	Left side						0.00	0.00	0.00
	Right side		2.857	0.703	2.990		2.86	0.70	2.99
	Top side		0.200	0.795	0.326		0.20	0.80	0.33
	Bottom side						0.00	0.00	0.00
All Bands Ant 1	Front		1.237	2.178	0.967		1.24	2.18	0.97
	Back		0.779	1.480	0.605	0.012	0.79	1.49	0.62
	Left side						0.00	0.00	0.00
	Right side		2.857	0.703	2.990		2.86	0.70	2.99
	Top side		0.200	0.795	0.326		0.20	0.80	0.33
	Bottom side	3.143					3.14	3.14	3.14
All Bands Ant 2	Front		1.237	2.178	0.967		1.24	2.18	0.97
	Back		0.779	1.480	0.605	0.012	0.79	1.49	0.62
	Left side	2.854					2.85	2.85	2.85
	Right side		2.857	0.703	2.990		2.86	0.70	2.99
	Top side		0.200	0.795	0.326		0.20	0.80	0.33
	Bottom side						0.00	0.00	0.00
All Bands Ant 9	Front		1.237	2.178	0.967		1.24	2.18	0.97
	Back	1.859	0.779	1.480	0.605	0.012	2.65	3.35	2.48
	Left side						0.00	0.00	0.00
	Right side		2.857	0.703	2.990		2.86	0.70	2.99
	Top side		0.200	0.795	0.326		0.20	0.80	0.33
	Bottom side						0.00	0.00	0.00
All Bands Ant 10	Front		1.237	2.178	0.967		1.24	2.18	0.97
	Back	1.889	0.779	1.480	0.605	0.012	2.68	3.38	2.51
	Left side						0.00	0.00	0.00
	Right side		2.857	0.703	2.990		2.86	0.70	2.99
	Top side		0.200	0.795	0.326		0.20	0.80	0.33
	Bottom side						0.00	0.00	0.00



<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	9	10	11	19	1+2+9+19	1+2+10+19	1+2+11+19
			WWAN	FR1	WLAN5GHz/6GHz Ant 5	WLAN5GHz/6GHz Ant 4	WLAN5GHz/6GHz Ant 5+4	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)	10g SAR (W/kg)
LTE Ant 0	NR Ant 1	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side							0.00	0.00	0.00
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side		2.714					2.71	2.71	2.71
LTE Ant 0	NR Ant 2	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side		1.440					1.44	1.44	1.44
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side							0.00	0.00	0.00
LTE Ant 0	NR Ant 7	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side							0.00	0.00	0.00
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side							0.00	0.00	0.00
LTE Ant 0	NR Ant 8	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side							0.00	0.00	0.00
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side							0.00	0.00	0.00
LTE Ant 1	NR Ant 0	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side							0.00	0.00	0.00
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side	2.920						2.92	2.92	2.92
LTE Ant 1	NR Ant 2	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side		1.440					1.44	1.44	1.44
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side	2.920						2.92	2.92	2.92
LTE Ant 1	NR Ant 7	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side							0.00	0.00	0.00
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side	2.920						2.92	2.92	2.92
LTE Ant 1	NR Ant 8	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side							0.00	0.00	0.00
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side	2.920						2.92	2.92	2.92
LTE Ant 2	NR Ant 0	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side	2.315						2.32	2.32	2.32
		Right side			2.857	0.703	2.990		2.86	0.70	2.99



		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side							0.00	0.00	0.00
LTE Ant 2	NR Ant 1	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side	2.315						2.32	2.32	2.32
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side		2.714					2.71	2.71	2.71
LTE Ant 2	NR Ant 7	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side	2.315						2.32	2.32	2.32
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side							0.00	0.00	0.00
LTE Ant 7	NR Ant 1	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side							0.00	0.00	0.00
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side		2.714					2.71	2.71	2.71
LTE Ant 7	NR Ant 2	Front			1.237	2.178	0.967		1.24	2.18	0.97
		Back			0.779	1.480	0.605	0.012	0.79	1.49	0.62
		Left side		1.440					1.44	1.44	1.44
		Right side			2.857	0.703	2.990		2.86	0.70	2.99
		Top side			0.200	0.795	0.326		0.20	0.80	0.33
		Bottom side							0.00	0.00	0.00



Camera Mode:

WWAN Band	Exposure Position	1	12	13	14	19	1+12+19	1+13+19	1+14+19
		WWAN	WLAN5GHz/6GHz Ant 5	WLAN5GHz /6GHz Ant 6	WLAN5GHz /6GHz Ant 5+6	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	1.780	1.043	0.377	1.286		2.82	2.16	3.07
	Back	1.464	0.566	2.067	1.295	0.012	2.04	3.54	2.77
	Left side		0.116	1.071	0.593		0.12	1.07	0.59
	Right side		2.522	0.479	2.981		2.52	0.48	2.98
	Top side		0.030	0.394	0.218		0.03	0.39	0.22
	Bottom side		0.034	0.034	0.034		0.03	0.03	0.03
All Bands Ant 1	Front		1.043	0.377	1.286		1.04	0.38	1.29
	Back		0.566	2.067	1.295	0.012	0.58	2.08	1.31
	Left side		0.116	1.071	0.593		0.12	1.07	0.59
	Right side		2.522	0.479	2.981		2.52	0.48	2.98
	Top side		0.030	0.394	0.218		0.03	0.39	0.22
	Bottom side	3.143	0.034	0.034	0.034		3.18	3.18	3.18
All Bands Ant 2	Front		1.043	0.377	1.286		1.04	0.38	1.29
	Back		0.566	2.067	1.295	0.012	0.58	2.08	1.31
	Left side	2.854	0.116	1.071	0.593		2.97	3.93	3.45
	Right side		2.522	0.479	2.981		2.52	0.48	2.98
	Top side		0.030	0.394	0.218		0.03	0.39	0.22
	Bottom side		0.034	0.034	0.034		0.03	0.03	0.03
All Bands Ant 9	Front		1.043	0.377	1.286		1.04	0.38	1.29
	Back	1.859	0.566	2.067	1.295	0.012	2.44	3.94	3.17
	Left side		0.116	1.071	0.593		0.12	1.07	0.59
	Right side		2.522	0.479	2.981		2.52	0.48	2.98
	Top side		0.030	0.394	0.218		0.03	0.39	0.22
	Bottom side		0.034	0.034	0.034		0.03	0.03	0.03
All Bands Ant 10	Front		1.043	0.377	1.286		1.04	0.38	1.29
	Back	1.889	0.566	2.067	1.295	0.012	2.47	3.97	3.20
	Left side		0.116	1.071	0.593		0.12	1.07	0.59
	Right side		2.522	0.479	2.981		2.52	0.48	2.98
	Top side		0.030	0.394	0.218		0.03	0.39	0.22
	Bottom side		0.034	0.034	0.034		0.03	0.03	0.03



<ENDC SAR>

WWAN Band	FR1 Band	Exposure Position	1	2	12	13	14	19	1+2+12+19	1+2+13+19	1+2+14+19
			WWAN	FR1	WLAN5GHz/6GHz Ant 5	WLAN5GHz/6GHz Ant 6	WLAN5GHz/6GHz Ant 5+6	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)	10g SAR (W/kg)
LTE Ant 0	NR Ant 1	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side			0.116	1.071	0.593		0.12	1.07	0.59
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side		2.714	0.034	0.034	0.034		2.75	2.75	2.75
LTE Ant 0	NR Ant 2	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side		1.440	0.116	1.071	0.593		1.56	2.51	2.03
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side			0.034	0.034	0.034		0.03	0.03	0.03
LTE Ant 0	NR Ant 7	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side			0.116	1.071	0.593		0.12	1.07	0.59
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side			0.034	0.034	0.034		0.03	0.03	0.03
LTE Ant 0	NR Ant 8	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side			0.116	1.071	0.593		0.12	1.07	0.59
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side			0.034	0.034	0.034		0.03	0.03	0.03
LTE Ant 1	NR Ant 0	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side			0.116	1.071	0.593		0.12	1.07	0.59
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side	2.920		0.034	0.034	0.034		2.95	2.95	2.95
LTE Ant 1	NR Ant 2	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side		1.440	0.116	1.071	0.593		1.56	2.51	2.03
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side	2.920		0.034	0.034	0.034		2.95	2.95	2.95
LTE Ant 1	NR Ant 7	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side			0.116	1.071	0.593		0.12	1.07	0.59
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side	2.920		0.034	0.034	0.034		2.95	2.95	2.95
LTE Ant 1	NR Ant 8	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side			0.116	1.071	0.593		0.12	1.07	0.59
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side	2.920		0.034	0.034	0.034		2.95	2.95	2.95
LTE Ant 2	NR Ant 0	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31



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		Left side	2.315		0.116	1.071	0.593		2.43	3.39	2.91
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side			0.034	0.034	0.034		0.03	0.03	0.03
LTE Ant 2	NR Ant 1	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side	2.315		0.116	1.071	0.593		2.43	3.39	2.91
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side		2.714	0.034	0.034	0.034		2.75	2.75	2.75
LTE Ant 2	NR Ant 7	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side	2.315		0.116	1.071	0.593		2.43	3.39	2.91
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side			0.034	0.034	0.034		0.03	0.03	0.03
LTE Ant 2	NR Ant 8	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side	2.315		0.116	1.071	0.593		2.43	3.39	2.91
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side			0.034	0.034	0.034		0.03	0.03	0.03
LTE Ant 7	NR Ant 1	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side			0.116	1.071	0.593		0.12	1.07	0.59
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side		2.714	0.034	0.034	0.034		2.75	2.75	2.75
LTE Ant 7	NR Ant 2	Front			1.043	0.377	1.286		1.04	0.38	1.29
		Back			0.566	2.067	1.295	0.012	0.58	2.08	1.31
		Left side		1.440	0.116	1.071	0.593		1.56	2.51	2.03
		Right side			2.522	0.479	2.981		2.52	0.48	2.98
		Top side			0.030	0.394	0.218		0.03	0.39	0.22
		Bottom side			0.034	0.034	0.034		0.03	0.03	0.03

16. Supplemental tuner tests results

General Note:

1. This device implements impedance tuner (144 states) antenna tuning techniques in the GSM850, WCDMA V, LTE Band 5/12/17/26/71, and 5GNR n5/n12/n26/n71 for ANT0, but also each tuner with 6 scenarios.
2. This device implements impedance tuner (255 states) antenna tuning techniques in the WCDMA II/IV/V, LTE Band 2/4/5/7/12/17/25/26/30/66/71/38/41, and 5GNR n2/n5/n7/n12/n25/n26/n30/n66/n71/n38/n41 for ANT2.
3. LTE B38 / B17 / B5 / B4 / B2 SAR test was covered by LTE B41 / B12 / B26 / B66 / B25; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. 5GNR n2 / n5 / n38 SAR test was covered by 5GNR n25 / n26 / n41; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
5. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
6. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
7. To evaluate all of the tuner states, the 144 tuner states for ANT0 and the impedance tuner 255 states for ANT2 are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
8. According to April 2019 TCB workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
9. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
10. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

16.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

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17. Uncertainty Assessment

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

18. References

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- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
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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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