



FCC SAR Test Report

Report No. : FA352602

	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	40620	2593	1	21.89	23.00	1.291	62.9	1.006	-0.07	0.262	0.340
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	40620	2593	1	21.89	23.00	1.291	62.9	1.006	0.17	0.232	0.301
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	40620	2593	1	21.89	23.00	1.291	62.9	1.006	0.09	0.429	0.557
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	40620	2593	1	21.89	23.00	1.291	62.9	1.006	-0.09	0.131	0.170
16	FR1 n7	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	507000	2535	1	13.41	14.50	1.285	-	-	0.05	0.711	0.914
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	507000	2535	1	13.41	14.50	1.285	-	-	0.05	0.598	0.769
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	507000	2535	1	13.41	14.50	1.285	-	-	-0.16	0.186	0.239
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	507000	2535	1	13.41	14.50	1.285	-	-	0.09	0.236	0.303
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	507000	2535	1	13.37	14.50	1.297	-	-	0.04	0.692	0.898
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 4	DSI 2	507000	2535	1	13.37	14.50	1.297	-	-	-0.06	0.577	0.748
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 4	DSI 2	507000	2535	1	13.37	14.50	1.297	-	-	-0.13	0.173	0.224
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 4	DSI 2	507000	2535	1	13.37	14.50	1.297	-	-	0.07	0.211	0.274
	FR1 n7	40M	QPSK	216	0	DFT-15	Right Cheek	0mm	Ant 4	DSI 2	507000	2535	1	13.34	14.50	1.306	-	-	0.17	0.688	0.899
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	1	22.90	24.00	1.288	-	-	-0.05	0.253	0.326
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	1	22.90	24.00	1.288	-	-	0.03	0.193	0.249
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	1	22.90	24.00	1.288	-	-	-0.17	0.422	0.544
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	1	22.90	24.00	1.288	-	-	0.06	0.109	0.140
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	1	22.80	24.00	1.318	-	-	0.02	0.279	0.368
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	1	22.80	24.00	1.318	-	-	0.19	0.230	0.303
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	1	22.80	24.00	1.318	-	-	0.14	0.455	0.600
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	1	22.80	24.00	1.318	-	-	0.17	0.139	0.183
17	FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	13.16	14.50	1.361	-	-	0.01	0.626	0.852
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	13.16	14.50	1.361	-	-	0.13	0.555	0.756
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	13.16	14.50	1.361	-	-	-0.05	0.188	0.256
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	13.16	14.50	1.361	-	-	0.18	0.214	0.291
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	13.04	14.50	1.400	-	-	0.12	0.575	0.805
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	13.04	14.50	1.400	-	-	-0.12	0.535	0.749
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	13.04	14.50	1.400	-	-	-0.14	0.179	0.251
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	13.04	14.50	1.400	-	-	0.11	0.199	0.279
	FR1 n41	100M	QPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DSI 2	518598	2592.99	1	13.02	14.50	1.406	-	-	0.18	0.581	0.817
	FR1 n41	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DSI 2	518598	2592.99	1	13.02	14.50	1.406	-	-	0.13	0.531	0.747
3000MHz-4000MHz																					
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 5	DSI 2	42590	3500	1	15.01	16.50	1.409	62.9	1.006	-0.13	0.350	0.496
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 5	DSI 2	42590	3500	1	15.01	16.50	1.409	62.9	1.006	-0.11	0.344	0.488
18	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	42590	3500	1	15.01	16.50	1.409	62.9	1.006	0.09	0.607	0.861
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 5	DSI 2	42590	3500	1	15.01	16.50	1.409	62.9	1.006	0.18	0.456	0.646
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	42190	3460	1	14.86	16.50	1.459	62.9	1.006	-0.02	0.511	0.750
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 5	DSI 2	42990	3540	1	14.85	16.50	1.462	62.9	1.006	0.1	0.535	0.787
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 5	DSI 2	42590	3500	1	15.00	16.50	1.413	62.9	1.006	0.1	0.347	0.493
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 5	DSI 2	42590	3500	1	15.00	16.50	1.413	62.9	1.006	-0.16	0.336	0.477
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	42590	3500	1	15.00	16.50	1.413	62.9	1.006	-0.07	0.585	0.831
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 5	DSI 2	42590	3500	1	15.00	16.50	1.413	62.9	1.006	0.01	0.443	0.630
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	42190	3460	1	14.91	16.50	1.442	62.9	1.006	-0.19	0.501	0.727
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 5	DSI 2	42990	3540	1	14.90	16.50	1.445	62.9	1.006	0.08	0.523	0.761
	LTE Band 42	20M	QPSK	100	0	-	Left Cheek	0mm	Ant 5	DSI 2	42590	3500	1	14.97	16.50	1.422	62.9	1.006	-0.17	0.571	0.817
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	633332	3499.98	1	12.66	13.50	1.213	-	-	0.14	0.536	0.650
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	633332	3499.98	1	12.66	13.50	1.213	-	-	-0.03	0.512	0.621
19	FR1 n78	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	633332	3499.98	1	12.66	13.50	1.213	-	-	0.02	0.771	0.936
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	633332	3499.98	2	12.66	13.50	1.213	-	-	0.04	0.601	0.729
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	633332	3499.98	1	12.66	13.50	1.213	-	-	0.17	0.755	0.916
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DSI 2	633332	3499.98	1	12.63	13.50	1.222	-	-	-0.04	0.513	0.627
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DSI 2	633332	3499.98	1	12.63	13.50	1.222	-	-	0.05	0.492	0.601
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	633332	3499.98	1	12.63	13.50	1.222	-	-	-0.14	0.737	0.900
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	633332	3499.98	1	12.63	13.50	1.222	-	-	0.01	0.726	0.887
	FR1 n78	100M	QPSK	270	0	DFT-30	Left Cheek	0mm	Ant 5	DSI 2	633332	3499.98	1	12.61	13.50	1.227	-	-	-0.03	0.708	0.869
	FR1 n78	100M	QPSK	270	0	DFT-30	Left Tilted	0mm	Ant 5	DSI 2	633332	3499.98	1	12.61	13.50	1.227	-	-	-0.04	0.688	0.844



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	FR1 n78	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	633332	3499.98	1	22.79	23.50	1.178	-	-	-0.17	0.240	0.283
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	633332	3499.98	1	22.79	23.50	1.178	-	-	-0.03	0.142	0.167
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	633332	3499.98	1	22.79	23.50	1.178	-	-	-0.04	0.119	0.140
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	633332	3499.98	1	22.79	23.50	1.178	-	-	0.04	0.065	0.077
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DSI 2	633332	3499.98	1	22.58	23.50	1.236	-	-	0.01	0.205	0.253
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DSI 2	633332	3499.98	1	22.58	23.50	1.236	-	-	-0.04	0.118	0.146
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DSI 2	633332	3499.98	1	22.58	23.50	1.236	-	-	-0.19	0.096	0.119
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DSI 2	633332	3499.98	1	22.58	23.50	1.236	-	-	0.1	0.060	0.074
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	1	21.90	22.50	1.148	-	-	-0.02	0.147	0.169
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	1	21.90	22.50	1.148	-	-	0.13	0.060	0.069
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	1	21.90	22.50	1.148	-	-	0.03	0.173	0.199
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	1	21.90	22.50	1.148	-	-	0.04	0.081	0.093
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 8	DSI 2	633332	3499.98	1	21.69	22.50	1.205	-	-	0.09	0.137	0.165
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 8	DSI 2	633332	3499.98	1	21.69	22.50	1.205	-	-	-0.15	0.048	0.058
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 8	DSI 2	633332	3499.98	1	21.69	22.50	1.205	-	-	0.19	0.157	0.189
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 8	DSI 2	633332	3499.98	1	21.69	22.50	1.205	-	-	0.15	0.071	0.086
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	633332	3499.98	1	21.67	22.50	1.211	-	-	0.17	0.269	0.326
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	633332	3499.98	1	21.67	22.50	1.211	-	-	-0.19	0.441	0.534
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	633332	3499.98	1	21.67	22.50	1.211	-	-	0.17	0.385	0.466
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	633332	3499.98	1	21.67	22.50	1.211	-	-	0.01	0.224	0.271
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DSI 2	633332	3499.98	1	21.52	22.50	1.253	-	-	-0.06	0.256	0.321
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DSI 2	633332	3499.98	1	21.52	22.50	1.253	-	-	-0.13	0.415	0.520
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DSI 2	633332	3499.98	1	21.52	22.50	1.253	-	-	0.17	0.362	0.454
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DSI 2	633332	3499.98	1	21.52	22.50	1.253	-	-	0.05	0.210	0.263

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2.4GHz																	
20	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 6	Standalone	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.17	0.147	0.270
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 6	Standalone	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.01	0.143	0.262
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 6	Standalone	39	2441	1	12.50	14.00	1.413	77.03	1.298	-0.05	0.398	0.730
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 6	Standalone	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.16	0.350	0.642
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 6	Simultaneous	39	2441	1	10.20	11.00	1.202	77.03	1.298	0.11	0.085	0.133
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 6	Simultaneous	39	2441	1	10.20	11.00	1.202	77.03	1.298	0.01	0.083	0.130
21	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 6	Simultaneous	39	2441	1	10.20	11.00	1.202	77.03	1.298	0.11	0.229	0.358
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 6	Simultaneous	39	2441	1	10.20	11.00	1.202	77.03	1.298	0.1	0.201	0.314
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6	Standalone	1	2412	1	16.00	17.00	1.259	97.46	1.026	0.04	0.312	0.403
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6	Standalone	1	2412	1	16.00	17.00	1.259	97.46	1.026	0.05	0.309	0.399
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	1	2412	1	16.00	17.00	1.259	97.46	1.026	-0.08	0.826	1.067
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Standalone	1	2412	1	16.00	17.00	1.259	97.46	1.026	-0.1	0.699	0.903
22	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	6	2437	1	15.90	17.00	1.288	97.46	1.026	-0.1	0.782	1.034
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	11	2462	1	15.90	17.00	1.288	97.46	1.026	-0.08	0.839	1.109
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	11	2462	2	15.90	17.00	1.288	97.46	1.026	-0.16	0.797	1.053
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Standalone	6	2437	1	15.90	17.00	1.288	97.46	1.026	-0.18	0.660	0.872
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Standalone	11	2462	1	15.90	17.00	1.288	97.46	1.026	0.02	0.735	0.971
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6	Simultaneous	1	2412	1	11.70	13.00	1.349	97.46	1.026	0.14	0.111	0.154
22	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6	Simultaneous	1	2412	1	11.70	13.00	1.349	97.46	1.026	0.03	0.110	0.152
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Simultaneous	1	2412	1	11.70	13.00	1.349	97.46	1.026	0.16	0.293	0.406
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Simultaneous	1	2412	1	11.70	13.00	1.349	97.46	1.026	0.1	0.248	0.343
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	Simultaneous	1	2412	1	11.70	13.00	1.349	97.46	1.026	0.1	0.248	0.343
5000MHz																	
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6	Standalone	58	5290	1	11.72	13.00	1.343	89.6	1.116	0.17	0.379	0.568
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6	Standalone	58	5290	1	11.72	13.00	1.343	89.6	1.116	-0.17	0.433	0.649
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Standalone	58	5290	1	11.72	13.00	1.343	89.6	1.116	-0.17	0.653	0.979
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Standalone	58	5290	1	11.72	13.00	1.343	89.6	1.116	-0.14	0.758	1.136
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Standalone	58	5290	2	11.72	13.00	1.343	89.6	1.116	-0.15	0.489	0.733



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	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6	Simultaneous	58	5290	1	6.83	8.50	1.469	89.6	1.116	0.12	0.120	0.197
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6	Simultaneous	58	5290	1	6.83	8.50	1.469	89.6	1.116	0	0.137	0.225
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	58	5290	1	6.83	8.50	1.469	89.6	1.116	-0.07	0.206	0.338
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Simultaneous	58	5290	1	6.83	8.50	1.469	89.6	1.116	0.06	0.240	0.393
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6	Standalone	122	5610	1	13.28	15.00	1.486	89.6	1.116	-0.15	0.411	0.682
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6	Standalone	122	5610	1	13.28	15.00	1.486	89.6	1.116	-0.06	0.453	0.751
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Standalone	122	5610	1	13.28	15.00	1.486	89.6	1.116	0.17	0.603	1.000
23	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Standalone	122	5610	1	13.28	15.00	1.486	89.6	1.116	-0.11	0.664	1.101
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Standalone	138	5690	1	13.17	15.00	1.524	89.6	1.116	0.04	0.568	0.966
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Standalone	138	5690	1	13.17	15.00	1.524	89.6	1.116	0.01	0.617	1.049
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6	Simultaneous	122	5610	1	8.83	10.50	1.469	89.6	1.116	-0.06	0.146	0.239
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6	Simultaneous	122	5610	1	8.83	10.50	1.469	89.6	1.116	-0.08	0.161	0.264
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	122	5610	1	8.83	10.50	1.469	89.6	1.116	0.13	0.214	0.351
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Simultaneous	122	5610	1	8.83	10.50	1.469	89.6	1.116	0	0.236	0.387
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6	Standalone	155	5775	1	13.28	15.00	1.486	89.6	1.116	0.14	0.364	0.604
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6	Standalone	155	5775	1	13.28	15.00	1.486	89.6	1.116	-0.08	0.400	0.663
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Standalone	155	5775	1	13.28	15.00	1.486	89.6	1.116	0.01	0.523	0.867
24	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Standalone	155	5775	1	13.28	15.00	1.486	89.6	1.116	0.15	0.592	0.982
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6	Simultaneous	155	5775	1	9.28	11.00	1.486	89.6	1.116	0.08	0.145	0.240
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6	Simultaneous	155	5775	1	9.28	11.00	1.486	89.6	1.116	-0.13	0.159	0.264
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6	Simultaneous	155	5775	1	9.28	11.00	1.486	89.6	1.116	0.05	0.208	0.345
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6	Simultaneous	155	5775	1	9.28	11.00	1.486	89.6	1.116	-0.15	0.236	0.391



16.2 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																					
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 4	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	0.06	0.126	0.176
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	-0.12	0.376	0.525
	LTE Band 12	10M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	-0.18	0.099	0.138
	LTE Band 12	10M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	0.13	0.210	0.293
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 4	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	-0.18	0.112	0.153
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 4	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	0.09	0.292	0.399
	LTE Band 12	10M	QPSK	25	0	-	Left Side	5mm	Ant 4	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	-0.18	0.071	0.097
	LTE Band 12	10M	QPSK	25	0	-	Top Side	5mm	Ant 4	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	-0.06	0.158	0.216
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	0.1	0.409	0.571
25	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	0.03	0.864	1.206
	LTE Band 12	10M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	-0.03	0.289	0.404
	LTE Band 12	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	-0.04	0.624	0.871
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	-0.14	0.494	0.690
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	-0.1	0.324	0.443
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	-0.01	0.787	1.076
	LTE Band 12	10M	QPSK	25	0	-	Left Side	5mm	Ant 0	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	-0.18	0.226	0.309
	LTE Band 12	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	0.12	0.498	0.681
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	DSI 7	23095	707.5	1	21.64	23.00	1.368	-	-	0.19	0.387	0.529
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	1	21.54	23.00	1.400	-	-	0.1	0.588	0.823
	LTE Band 12	10M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 7	23095	707.5	1	21.54	23.00	1.400	-	-	0.03	0.467	0.654
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 4	DSI 7	23230	782	1	22.48	24.00	1.419	-	-	-0.11	0.200	0.284
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 4	DSI 7	23230	782	1	22.48	24.00	1.419	-	-	-0.19	0.374	0.531
	LTE Band 13	10M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI 7	23230	782	1	22.48	24.00	1.419	-	-	-0.09	0.098	0.139
	LTE Band 13	10M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI 7	23230	782	1	22.48	24.00	1.419	-	-	-0.13	0.220	0.312
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 4	DSI 7	23230	782	1	21.45	23.00	1.429	-	-	-0.19	0.150	0.214
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 4	DSI 7	23230	782	1	21.45	23.00	1.429	-	-	-0.19	0.291	0.416
	LTE Band 13	10M	QPSK	25	0	-	Left Side	5mm	Ant 4	DSI 7	23230	782	1	21.45	23.00	1.429	-	-	0	0.085	0.121
	LTE Band 13	10M	QPSK	25	0	-	Top Side	5mm	Ant 4	DSI 7	23230	782	1	21.45	23.00	1.429	-	-	0.03	0.187	0.267
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	23230	782	1	22.49	24.00	1.416	-	-	-0.09	0.436	0.617
26	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	23230	782	1	22.49	24.00	1.416	-	-	-0.13	0.853	1.208
	LTE Band 13	10M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	23230	782	1	22.49	24.00	1.416	-	-	-0.13	0.283	0.401
	LTE Band 13	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	23230	782	1	22.49	24.00	1.416	-	-	-0.02	0.582	0.824
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	23230	782	1	22.49	24.00	1.416	-	-	-0.04	0.571	0.808
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	DSI 7	23230	782	1	21.62	23.00	1.374	-	-	0.08	0.337	0.463
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	DSI 7	23230	782	1	21.62	23.00	1.374	-	-	0.07	0.774	1.064
	LTE Band 13	10M	QPSK	25	0	-	Left Side	5mm	Ant 0	DSI 7	23230	782	1	21.62	23.00	1.374	-	-	-0.01	0.225	0.309
	LTE Band 13	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	DSI 7	23230	782	1	21.62	23.00	1.374	-	-	-0.08	0.464	0.638
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	DSI 7	23230	782	1	21.62	23.00	1.374	-	-	0.02	0.448	0.616
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	23230	782	1	21.54	23.00	1.400	-	-	-0.15	0.651	0.911
	LTE Band 13	10M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 7	23230	782	1	21.54	23.00	1.400	-	-	-0.01	0.443	0.620
	LTE Band 13	10M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	23230	782	1	21.54	23.00	1.400	-	-	0.14	0.422	0.591
835MHz																					
	GSM850	-	-	-	-	GPRS 2 Tx slots	Front	5mm	Ant 0	DSI 7	189	836.4	1	27.47	29.00	1.422	-	-	0.11	0.434	0.617
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 7	189	836.4	1	27.47	29.00	1.422	-	-	-0.04	0.790	1.124
	GSM850	-	-	-	-	GPRS 2 Tx slots	Left Side	5mm	Ant 0	DSI 7	189	836.4	1	27.47	29.00	1.422	-	-	0.12	0.199	0.283
	GSM850	-	-	-	-	GPRS 2 Tx slots	Right Side	5mm	Ant 0	DSI 7	189	836.4	1	27.47	29.00	1.422	-	-	0.08	0.380	0.540
	GSM850	-	-	-	-	GPRS 2 Tx slots	Bottom Side	5mm	Ant 0	DSI 7	189	836.4	1	27.47	29.00	1.422	-	-	0.17	0.513	0.730
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 7	128	824.2	1	27.30	29.00	1.479	-	-	-0.19	0.787	1.164
27	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 7	251	848.8	1	27.41	29.00	1.442	-	-	0.12	0.866	1.249



FCC SAR Test Report

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	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	4182	836.4	1	20.91	22.20	1.346	-	-	0.18	0.355	0.478
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	4182	836.4	1	20.91	22.20	1.346	-	-	0.01	0.802	1.079
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 7	4182	836.4	1	20.91	22.20	1.346	-	-	-0.15	0.070	0.094
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	4182	836.4	1	20.91	22.20	1.346	-	-	0.14	0.133	0.179
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	4182	836.4	1	20.91	22.20	1.346	-	-	-0.07	0.637	0.857
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	4132	826.4	1	20.86	22.20	1.361	-	-	-0.01	0.811	1.104
28	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	4233	846.6	1	20.82	22.20	1.374	-	-	0.14	0.844	1.160
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	4132	826.4	1	20.86	22.20	1.361	-	-	0.02	0.644	0.877
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	4233	846.6	1	20.82	22.20	1.374	-	-	-0.1	0.670	0.921
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 4	DSI 7	26865	831.5	1	21.28	22.70	1.387	-	-	0.05	0.255	0.354
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	DSI 7	26865	831.5	1	21.28	22.70	1.387	-	-	0.02	0.415	0.576
	LTE Band 26	15M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI 7	26865	831.5	1	21.28	22.70	1.387	-	-	-0.15	0.090	0.125
	LTE Band 26	15M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI 7	26865	831.5	1	21.28	22.70	1.387	-	-	-0.04	0.401	0.556
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 4	DSI 7	26865	831.5	1	21.26	22.70	1.393	-	-	0.16	0.181	0.252
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	DSI 7	26865	831.5	1	21.26	22.70	1.393	-	-	0.11	0.392	0.546
	LTE Band 26	15M	QPSK	36	0	-	Left Side	5mm	Ant 4	DSI 7	26865	831.5	1	21.26	22.70	1.393	-	-	-0.1	0.056	0.078
	LTE Band 26	15M	QPSK	36	0	-	Top Side	5mm	Ant 4	DSI 7	26865	831.5	1	21.26	22.70	1.393	-	-	-0.17	0.300	0.418
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	26865	831.5	1	21.61	23.20	1.442	-	-	-0.06	0.363	0.523
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	26865	831.5	1	21.61	23.20	1.442	-	-	-0.16	0.749	1.080
	LTE Band 26	15M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	26865	831.5	1	21.61	23.20	1.442	-	-	0.07	0.174	0.251
	LTE Band 26	15M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	26865	831.5	1	21.61	23.20	1.442	-	-	-0.14	0.345	0.498
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	26865	831.5	1	21.61	23.20	1.442	-	-	0.01	0.712	1.027
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	DSI 7	26865	831.5	1	21.57	23.00	1.390	-	-	0.08	0.385	0.535
29	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	DSI 7	26865	831.5	1	21.57	23.00	1.390	-	-	0.13	0.844	1.173
	LTE Band 26	15M	QPSK	36	0	-	Left Side	5mm	Ant 0	DSI 7	26865	831.5	1	21.57	23.00	1.390	-	-	0.01	0.197	0.274
	LTE Band 26	15M	QPSK	36	0	-	Right Side	5mm	Ant 0	DSI 7	26865	831.5	1	21.57	23.00	1.390	-	-	-0.05	0.366	0.509
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	5mm	Ant 0	DSI 7	26865	831.5	1	21.57	23.00	1.390	-	-	-0.12	0.751	1.044
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	DSI 7	26865	831.5	1	21.46	23.00	1.426	-	-	0.09	0.761	1.085
	LTE Band 26	15M	QPSK	75	0	-	Bottom Side	5mm	Ant 0	DSI 7	26865	831.5	1	21.46	23.00	1.426	-	-	-0.13	0.711	1.014
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI 7	166300	831.5	1	21.90	23.00	1.288	-	-	-0.08	0.151	0.195
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI 7	166300	831.5	1	21.90	23.00	1.288	-	-	0.18	0.411	0.529
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI 7	166300	831.5	1	21.90	23.00	1.288	-	-	0.08	0.048	0.062
	FR1 n26	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI 7	166300	831.5	1	21.90	23.00	1.288	-	-	-0.15	0.245	0.316
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	DSI 7	166300	831.5	1	21.89	23.00	1.291	-	-	0.12	0.128	0.165
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	DSI 7	166300	831.5	1	21.89	23.00	1.291	-	-	-0.09	0.446	0.576
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 4	DSI 7	166300	831.5	1	21.89	23.00	1.291	-	-	0.05	0.058	0.075
	FR1 n26	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 4	DSI 7	166300	831.5	1	21.89	23.00	1.291	-	-	0.15	0.326	0.421
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 7	166300	831.5	1	22.57	23.50	1.239	-	-	0.1	0.498	0.617
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 7	166300	831.5	1	22.57	23.50	1.239	-	-	-0.18	0.971	1.203
	FR1 n26	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 7	166300	831.5	1	22.57	23.50	1.239	-	-	-0.14	0.224	0.277
	FR1 n26	20M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI 7	166300	831.5	1	22.57	23.50	1.239	-	-	0.16	0.507	0.628
	FR1 n26	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	166300	831.5	1	22.57	23.50	1.239	-	-	0.17	0.784	0.971
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	DSI 7	166300	831.5	1	22.49	23.50	1.262	-	-	-0.02	0.516	0.651
30	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 7	166300	831.5	1	22.49	23.50	1.262	-	-	-0.04	1.010	1.274
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 7	166300	831.5	2	22.49	23.50	1.262	-	-	0.01	0.792	0.999
	FR1 n26	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 0	DSI 7	166300	831.5	1	22.49	23.50	1.262	-	-	0.09	0.232	0.293
	FR1 n26	20M	QPSK	50	28	DFT-15	Right Side	5mm	Ant 0	DSI 7	166300	831.5	1	22.49	23.50	1.262	-	-	0.04	0.522	0.659
	FR1 n26	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	166300	831.5	1	22.49	23.50	1.262	-	-	-0.18	0.793	1.001
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 0	DSI 7	166300	831.5	1	21.72	23.00	1.343	-	-	0	0.920	1.235
	FR1 n26	20M	QPSK	100	0	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	166300	831.5	1	21.72	23.00	1.343	-	-	-0.09	0.751	1.008
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	1413	1732.6	1	16.26	17.50	1.330	-	-	-0.17	0.346	0.460
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	1413	1732.6	1	16.26	17.50	1.330	-	-	0.07	0.544	0.724
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 7	1413	1732.6	1	16.26	17.50	1.330	-	-	0.13	0.010	0.013
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	1413	1732.6	1	16.26	17.50	1.330	-	-	0.05	0.119	0.158
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1413	1732.6	1	16.26	17.50	1.330	-	-	0.19	0.757	1.007



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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1312	1712.4	1	16.24	17.50	1.337	-	-	-0.04	0.728	0.973
31	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1513	1752.6	1	16.08	17.50	1.387	-	-	0.02	0.837	1.161
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	DSI 7	132322	1745	1	15.13	16.50	1.371	-	-	0.05	0.243	0.333
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	DSI 7	132322	1745	1	15.13	16.50	1.371	-	-	-0.11	0.325	0.446
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI 7	132322	1745	1	15.13	16.50	1.371	-	-	-0.03	0.056	0.077
	LTE Band 66	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI 7	132322	1745	1	15.13	16.50	1.371	-	-	0	0.424	0.581
	LTE Band 66C	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI 7	132322+ 132520	1745+ 1764.8	1	15.11	16.50	1.377	-	-	0.07	0.389	0.536
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	DSI 7	132322	1745	1	15.10	16.50	1.380	-	-	-0.18	0.246	0.340
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	DSI 7	132322	1745	1	15.10	16.50	1.380	-	-	-0.07	0.309	0.427
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	DSI 7	132322	1745	1	15.10	16.50	1.380	-	-	-0.12	0.055	0.076
	LTE Band 66	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI 7	132322	1745	1	15.10	16.50	1.380	-	-	-0.02	0.399	0.551
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	132322	1745	1	16.67	18.00	1.358	-	-	0.12	0.391	0.531
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	132322	1745	1	16.67	18.00	1.358	-	-	-0.08	0.580	0.788
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	132322	1745	1	16.67	18.00	1.358	-	-	0.06	0.010	0.014
	LTE Band 66	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	132322	1745	1	16.67	18.00	1.358	-	-	0	0.146	0.198
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	132322	1745	1	16.67	18.00	1.358	-	-	-0.17	0.846	1.149
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	132072	1720	1	16.38	18.00	1.452	-	-	-0.14	0.736	1.069
32	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	132572	1770	1	16.63	18.00	1.371	-	-	-0.17	0.844	1.157
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	132572+ 132374	1770+ 1750.2	1	16.52	18.00	1.406	-	-	0.04	0.790	1.111
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI 7	132322	1745	1	16.61	18.00	1.377	-	-	-0.05	0.371	0.511
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	132322	1745	1	16.61	18.00	1.377	-	-	-0.18	0.569	0.784
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 7	132322	1745	1	16.61	18.00	1.377	-	-	0.07	0.009	0.012
	LTE Band 66	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 7	132322	1745	1	16.61	18.00	1.377	-	-	0.01	0.116	0.160
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	132322	1745	1	16.61	18.00	1.377	-	-	-0.1	0.790	1.088
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	132072	1720	1	16.31	18.00	1.476	-	-	-0.13	0.705	1.040
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	132572	1770	1	16.54	18.00	1.400	-	-	0.06	0.816	1.142
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 7	132322	1745	1	16.58	18.00	1.387	-	-	0.11	0.750	1.040
1900MHz																					
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI 7	349000	1745	1	15.97	17.00	1.268	-	-	0.04	0.228	0.289
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI 7	349000	1745	1	15.97	17.00	1.268	-	-	0.18	0.358	0.454
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI 7	349000	1745	1	15.97	17.00	1.268	-	-	-0.16	0.078	0.099
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI 7	349000	1745	1	15.97	17.00	1.268	-	-	0.12	0.468	0.593
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	DSI 7	349000	1745	1	15.88	17.00	1.294	-	-	0.18	0.237	0.307
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	DSI 7	349000	1745	1	15.88	17.00	1.294	-	-	-0.03	0.367	0.475
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 4	DSI 7	349000	1745	1	15.88	17.00	1.294	-	-	-0.14	0.092	0.119
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 4	DSI 7	349000	1745	1	15.88	17.00	1.294	-	-	0.1	0.470	0.608
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 7	349000	1745	1	17.30	18.50	1.318	-	-	-0.1	0.421	0.555
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 7	349000	1745	1	17.30	18.50	1.318	-	-	0	0.517	0.682
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 7	349000	1745	1	17.30	18.50	1.318	-	-	0.07	0.005	0.007
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI 7	349000	1745	1	17.30	18.50	1.318	-	-	-0.09	0.130	0.171
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	349000	1745	1	17.30	18.50	1.318	-	-	-0.15	0.816	1.076
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	DSI 7	349000	1745	1	17.27	18.50	1.327	-	-	-0.18	0.428	0.568
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	DSI 7	349000	1745	1	17.27	18.50	1.327	-	-	-0.12	0.536	0.711
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 0	DSI 7	349000	1745	1	17.27	18.50	1.327	-	-	-0.15	0.008	0.011
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Side	5mm	Ant 0	DSI 7	349000	1745	1	17.27	18.50	1.327	-	-	0.17	0.144	0.191
33	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	349000	1745	1	17.27	18.50	1.327	-	-	0.04	0.888	1.179
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	349000	1745	1	17.13	18.50	1.371	-	-	-0.14	0.838	1.149
1900MHz																					
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Front	5mm	Ant 0	DSI 7	661	1880	1	22.10	23.50	1.380	-	-	0.17	0.456	0.629
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 7	661	1880	1	22.10	23.50	1.380	-	-	-0.01	0.663	0.915
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Left Side	5mm	Ant 0	DSI 7	661	1880	1	22.10	23.50	1.380	-	-	-0.01	0.066	0.091
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Right Side	5mm	Ant 0	DSI 7	661	1880	1	22.10	23.50	1.380	-	-	0.17	0.169	0.233
34	GSM1900	-	-	-	-	GPRS 2 Tx slots	Bottom Side	5mm	Ant 0	DSI 7	661	1880	1	22.10	23.50	1.380	-	-	0.03	0.924	1.275
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Bottom Side	5mm	Ant 0	DSI 7	512	1850.2	1	21.96	23.50	1.426	-	-	0.17	0.797	1.136
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Bottom Side	5mm	Ant 0	DSI 7	810	1908.8	1	22.01	23.50	1.409	-	-	-0.06	0.857	1.208
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 7	512	1850.2	1	21.96	23.50	1.426	-	-	0.04	0.569	0.811



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	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	DSI 7	810	1908.8	1	22.01	23.50	1.409	-	-	-0.16	0.612	0.862
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	9400	1880	1	14.64	16.00	1.368	-	-	0.11	0.382	0.522
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	9400	1880	1	14.64	16.00	1.368	-	-	0.11	0.591	0.808
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 7	9400	1880	1	14.64	16.00	1.368	-	-	0.03	0.046	0.063
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	9400	1880	1	14.64	16.00	1.368	-	-	0.16	0.131	0.179
35	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	9400	1880	1	14.64	16.00	1.368	-	-	-0.13	0.843	1.153
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	9262	1852.4	1	14.47	16.00	1.422	-	-	0.14	0.800	1.138
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	9538	1907.6	1	14.55	16.00	1.396	-	-	-0.12	0.790	1.103
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	9262	1852.4	1	14.47	16.00	1.422	-	-	0.04	0.608	0.865
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	9538	1907.6	1	14.55	16.00	1.396	-	-	-0.15	0.495	0.691
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	DSI 7	26340	1880	1	15.91	17.00	1.285	-	-	-0.08	0.277	0.356
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	DSI 7	26340	1880	1	15.91	17.00	1.285	-	-	-0.01	0.334	0.429
	LTE Band 25	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI 7	26340	1880	1	15.91	17.00	1.285	-	-	0.09	0.066	0.085
	LTE Band 25	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI 7	26340	1880	1	15.91	17.00	1.285	-	-	-0.06	0.460	0.591
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	DSI 7	26340	1880	1	15.88	17.00	1.294	-	-	-0.05	0.273	0.353
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	DSI 7	26340	1880	1	15.88	17.00	1.294	-	-	0.04	0.328	0.424
	LTE Band 25	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	DSI 7	26340	1880	1	15.88	17.00	1.294	-	-	-0.19	0.056	0.072
	LTE Band 25	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI 7	26340	1880	1	15.88	17.00	1.294	-	-	-0.15	0.449	0.581
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	26340	1880	1	15.21	16.50	1.346	-	-	-0.08	0.396	0.533
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	26340	1880	1	15.21	16.50	1.346	-	-	-0.13	0.612	0.824
	LTE Band 25	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	26340	1880	1	15.21	16.50	1.346	-	-	-0.05	0.048	0.065
	LTE Band 25	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	26340	1880	1	15.21	16.50	1.346	-	-	-0.03	0.118	0.159
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	26340	1880	1	15.21	16.50	1.346	-	-	0.14	0.838	1.128
36	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	26140	1860	1	15.19	16.50	1.352	-	-	0.06	0.865	1.170
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	26590	1905	1	15.16	16.50	1.361	-	-	0	0.812	1.105
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	26140	1860	1	15.19	16.50	1.352	-	-	0.04	0.618	0.836
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	26590	1905	1	15.16	16.50	1.361	-	-	-0.05	0.591	0.805
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI 7	26340	1880	1	15.18	16.50	1.355	-	-	-0.03	0.378	0.512
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	26340	1880	1	15.18	16.50	1.355	-	-	-0.17	0.594	0.805
	LTE Band 25	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 7	26340	1880	1	15.18	16.50	1.355	-	-	-0.06	0.046	0.062
	LTE Band 25	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 7	26340	1880	1	15.18	16.50	1.355	-	-	-0.17	0.113	0.153
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	26340	1880	1	15.18	16.50	1.355	-	-	-0.17	0.800	1.084
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	26140	1860	1	15.09	16.50	1.384	-	-	0.07	0.826	1.143
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	26590	1905	1	15.06	16.50	1.393	-	-	0.12	0.775	1.080
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	26140	1860	1	15.09	16.50	1.384	-	-	0.05	0.590	0.816
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	26590	1905	1	15.06	16.50	1.393	-	-	0.19	0.564	0.786
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	DSI 7	26340	1880	1	15.15	16.50	1.365	-	-	-0.15	0.599	0.817
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 7	26340	1880	1	15.15	16.50	1.365	-	-	-0.15	0.811	1.107
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	-0.18	0.208	0.275
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	-0.15	0.327	0.432
	FR1 n2	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	0	0.067	0.089
	FR1 n2	20M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	-0.07	0.463	0.612
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	DSI 7	376000	1880	1	15.20	16.50	1.349	-	-	0.04	0.201	0.271
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	DSI 7	376000	1880	1	15.20	16.50	1.349	-	-	-0.06	0.313	0.422
	FR1 n2	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 4	DSI 7	376000	1880	1	15.20	16.50	1.349	-	-	-0.07	0.064	0.086
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	5mm	Ant 4	DSI 7	376000	1880	1	15.20	16.50	1.349	-	-	0.02	0.446	0.602
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 7	376000	1880	1	15.39	16.50	1.291	-	-	-0.06	0.423	0.546
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 7	376000	1880	1	15.39	16.50	1.291	-	-	-0.12	0.626	0.808
	FR1 n2	20M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 7	376000	1880	1	15.39	16.50	1.291	-	-	-0.06	0.042	0.054
	FR1 n2	20M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI 7	376000	1880	1	15.39	16.50	1.291	-	-	-0.09	0.140	0.181
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	376000	1880	1	15.39	16.50	1.291	-	-	0.09	0.875	1.130
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	372000	1860	1	15.24	16.50	1.337	-	-	-0.18	0.911	1.218
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	380000	1900	1	15.28	16.50	1.324	-	-	-0.13	0.846	1.120
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 7	372000	1860	1	15.24	16.50	1.337	-	-	-0.12	0.657	0.878
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 7	380000	1900	1	15.28	16.50	1.324	-	-	-0.15	0.613	0.812
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	0.15	0.433	0.572



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	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	-0.08	0.641	0.847
	FR1 n2	20M	QPSK	50	28	DFT-15	Left Side	5mm	Ant 0	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	-0.01	0.043	0.057
	FR1 n2	20M	QPSK	50	28	DFT-15	Right Side	5mm	Ant 0	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	-0.03	0.143	0.189
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	376000	1880	1	15.29	16.50	1.321	-	-	0.05	0.895	1.183
37	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	372000	1860	1	15.11	16.50	1.377	-	-	0.08	0.932	1.284
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	372000	1860	2	15.11	16.50	1.377	-	-	0.05	0.627	0.864
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	380000	1900	1	15.20	16.50	1.349	-	-	0.1	0.866	1.168
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 7	372000	1860	1	15.11	16.50	1.377	-	-	0.19	0.672	0.925
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 7	380000	1900	1	15.20	16.50	1.349	-	-	0.01	0.627	0.846
	FR1 n2	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 0	DSI 7	376000	1880	1	15.21	16.50	1.346	-	-	0.18	0.615	0.828
	FR1 n2	20M	QPSK	100	0	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	376000	1880	1	15.21	16.50	1.346	-	-	-0.05	0.855	1.151
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	21100	2535	1	18.00	19.50	1.413	-	-	-0.19	0.667	0.942
38	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	21100	2535	1	18.00	19.50	1.413	-	-	0.12	0.820	1.158
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	21100+ 21298	2535+ 2554.8	1	17.96	19.50	1.426	-	-	0.01	0.603	0.860
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 7	21100	2535	1	18.00	19.50	1.413	-	-	-0.07	0.458	0.647
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	21100	2535	1	18.00	19.50	1.413	-	-	-0.15	0.651	0.920
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	20850	2510	1	17.99	19.50	1.416	-	-	-0.04	0.643	0.910
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	21350	2560	1	17.90	19.50	1.445	-	-	-0.1	0.727	1.051
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	20850	2510	1	17.99	19.50	1.416	-	-	0.06	0.772	1.093
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	21350	2560	1	17.90	19.50	1.445	-	-	0.05	0.785	1.135
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	20850	2510	1	17.99	19.50	1.416	-	-	-0.17	0.622	0.881
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	21350	2560	1	17.90	19.50	1.445	-	-	-0.17	0.641	0.927
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	21100	2535	1	17.94	19.50	1.432	-	-	0.16	0.652	0.934
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	21100	2535	1	17.94	19.50	1.432	-	-	-0.12	0.801	1.147
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 7	21100	2535	1	17.94	19.50	1.432	-	-	0.1	0.448	0.642
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	21100	2535	1	17.94	19.50	1.432	-	-	0.16	0.636	0.911
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	20850	2510	1	17.87	19.50	1.455	-	-	-0.09	0.628	0.914
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	21350	2560	1	17.92	19.50	1.439	-	-	0.06	0.710	1.022
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	20850	2510	1	17.87	19.50	1.455	-	-	0.18	0.754	1.097
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	21350	2560	1	17.92	19.50	1.439	-	-	-0.16	0.767	1.104
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	20850	2510	1	17.87	19.50	1.455	-	-	0.03	0.608	0.885
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	21350	2560	1	17.92	19.50	1.439	-	-	0.04	0.626	0.901
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 1	DSI 7	21100	2535	1	17.95	19.50	1.429	-	-	-0.06	0.651	0.930
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	DSI 7	21100	2535	1	17.95	19.50	1.429	-	-	-0.11	0.785	1.122
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 1	DSI 7	21100	2535	1	17.95	19.50	1.429	-	-	-0.12	0.623	0.890
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	DSI 7	40620	2593	1	16.07	16.50	1.104	62.9	1.006	-0.1	0.286	0.318
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	DSI 7	40620	2593	1	16.07	16.50	1.104	62.9	1.006	0.07	0.438	0.486
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 4	DSI 7	40620	2593	1	16.07	16.50	1.104	62.9	1.006	-0.09	0.309	0.343
	LTE Band 41	20M	QPSK	1	0	-	Top Side	5mm	Ant 4	DSI 7	40620	2593	1	16.07	16.50	1.104	62.9	1.006	0.05	0.535	0.594
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	DSI 7	40620	2593	1	16.06	16.50	1.107	62.9	1.006	-0.08	0.279	0.311
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	DSI 7	40620	2593	1	16.06	16.50	1.107	62.9	1.006	0.18	0.428	0.476
	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 4	DSI 7	40620	2593	1	16.06	16.50	1.107	62.9	1.006	0.15	0.302	0.336
	LTE Band 41	20M	QPSK	50	0	-	Top Side	5mm	Ant 4	DSI 7	40620	2593	1	16.06	16.50	1.107	62.9	1.006	0.05	0.523	0.582
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	40620	2593	1	20.52	21.50	1.253	62.9	1.006	-0.18	0.882	1.112
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	40620	2593	1	20.52	21.50	1.253	62.9	1.006	0.08	0.965	1.217
	LTE Band 41	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 7	40620	2593	1	20.52	21.50	1.253	62.9	1.006	-0.13	0.450	0.567
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	40620	2593	1	20.52	21.50	1.253	62.9	1.006	-0.12	0.790	0.996
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	39750	2506	1	20.47	21.50	1.268	62.9	1.006	-0.18	0.724	0.923
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	0.19	0.890	1.135
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	41055	2636.5	1	20.45	21.50	1.274	62.9	1.006	-0.18	0.788	1.010
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	41490	2680	1	19.99	21.50	1.416	62.9	1.006	-0.02	0.596	0.849
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	39750	2506	1	20.47	21.50	1.268	62.9	1.006	-0.14	0.873	1.113
39	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	0.04	0.968	1.234
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	41055	2636.5	1	20.45	21.50	1.274	62.9	1.006	-0.1	0.915	1.172
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	41490	2680	1	19.99	21.50	1.416	62.9	1.006	0.18	0.675	0.961



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	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	39750	2506	1	20.47	21.50	1.268	62.9	1.006	-0.14	0.760	0.969
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	0.04	0.821	1.047
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	41055	2636.5	1	20.45	21.50	1.274	62.9	1.006	-0.17	0.733	0.939
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 1	DSI 7	41490	2680	1	19.99	21.50	1.416	62.9	1.006	0.14	0.767	1.092
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	40620	2593	1	20.49	21.50	1.262	62.9	1.006	0.11	0.852	1.082
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	40620	2593	1	20.49	21.50	1.262	62.9	1.006	-0.09	0.932	1.183
	LTE Band 41	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 7	40620	2593	1	20.49	21.50	1.262	62.9	1.006	-0.01	0.435	0.552
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	40620	2593	1	20.49	21.50	1.262	62.9	1.006	-0.05	0.763	0.969
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	39750	2506	1	20.46	21.50	1.271	62.9	1.006	-0.01	0.699	0.893
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	-0.16	0.860	1.127
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	41055	2636.5	1	20.41	21.50	1.285	62.9	1.006	-0.03	0.761	0.984
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	41490	2680	1	19.94	21.50	1.432	62.9	1.006	-0.03	0.576	0.830
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	39750	2506	1	20.46	21.50	1.271	62.9	1.006	-0.19	0.843	1.078
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	-0.17	0.935	1.226
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	41055	2636.5	1	20.41	21.50	1.285	62.9	1.006	0.05	0.884	1.143
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	41490	2680	1	19.94	21.50	1.432	62.9	1.006	0.15	0.652	0.939
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	39750	2506	1	20.46	21.50	1.271	62.9	1.006	0.14	0.734	0.938
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	0.09	0.793	1.040
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	41055	2636.5	1	20.41	21.50	1.285	62.9	1.006	0.08	0.708	0.915
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 1	DSI 7	41490	2680	1	19.94	21.50	1.432	62.9	1.006	0.05	0.741	1.068
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 1	DSI 7	40620	2593	1	20.33	21.50	1.309	62.9	1.006	-0.15	0.890	1.172
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	DSI 7	40620	2593	1	20.33	21.50	1.309	62.9	1.006	-0.08	0.911	1.200
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 1	DSI 7	40620	2593	1	20.33	21.50	1.309	62.9	1.006	-0.13	0.748	0.985
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	DSI 7	507000	2535	1	11.53	12.50	1.250	-	-	0.15	0.208	0.260
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	DSI 7	507000	2535	1	11.53	12.50	1.250	-	-	0.12	0.327	0.409
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 4	DSI 7	507000	2535	1	11.53	12.50	1.250	-	-	-0.15	0.173	0.216
	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	5mm	Ant 4	DSI 7	507000	2535	1	11.53	12.50	1.250	-	-	-0.02	0.488	0.610
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	DSI 7	507000	2535	1	11.52	12.50	1.253	-	-	0.11	0.203	0.254
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	DSI 7	507000	2535	1	11.52	12.50	1.253	-	-	-0.01	0.320	0.401
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 4	DSI 7	507000	2535	1	11.52	12.50	1.253	-	-	0.11	0.170	0.213
	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 4	DSI 7	507000	2535	1	11.52	12.50	1.253	-	-	0.05	0.444	0.556
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 7	507000	2535	1	18.96	20.00	1.271	-	-	0.06	0.953	1.211
40	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 7	507000	2535	1	18.96	20.00	1.271	-	-	-0.12	1.000	1.271
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 7	507000	2535	2	18.96	20.00	1.271	-	-	-0.18	0.861	1.094
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 7	507000	2535	1	18.96	20.00	1.271	-	-	-0.08	0.572	0.727
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 1	DSI 7	507000	2535	1	18.96	20.00	1.271	-	-	0	0.718	0.912
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	DSI 7	507000	2535	1	18.81	20.00	1.315	-	-	-0.16	0.913	1.201
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	DSI 7	507000	2535	1	18.81	20.00	1.315	-	-	-0.03	0.925	1.217
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 1	DSI 7	507000	2535	1	18.81	20.00	1.315	-	-	-0.17	0.505	0.664
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 1	DSI 7	507000	2535	1	18.81	20.00	1.315	-	-	-0.09	0.667	0.877
	FR1 n7	40M	QPSK	216	0	DFT-15	Front	5mm	Ant 1	DSI 7	507000	2535	1	18.78	20.00	1.324	-	-	-0.15	0.837	1.108
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 1	DSI 7	507000	2535	1	18.78	20.00	1.324	-	-	0.15	0.897	1.188
	FR1 n7	40M	QPSK	216	0	DFT-15	Bottom Side	5mm	Ant 1	DSI 7	507000	2535	1	18.78	20.00	1.324	-	-	-0.09	0.655	0.867
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 4	DSI 7	518598	2592.99	1	11.82	13.00	1.312	-	-	-0.01	0.236	0.310
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4	DSI 7	518598	2592.99	1	11.82	13.00	1.312	-	-	-0.16	0.386	0.507
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 4	DSI 7	518598	2592.99	1	11.82	13.00	1.312	-	-	0.05	0.178	0.234
41	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 4	DSI 7	518598	2592.99	1	11.82	13.00	1.312	-	-	-0.07	0.465	0.610
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	DSI 7	518598	2592.99	1	11.77	13.00	1.327	-	-	-0.15	0.220	0.292
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	DSI 7	518598	2592.99	1	11.77	13.00	1.327	-	-	0	0.371	0.492
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 4	DSI 7	518598	2592.99	1	11.77	13.00	1.327	-	-	0.18	0.171	0.227
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 4	DSI 7	518598	2592.99	1	11.77	13.00	1.327	-	-	0.02	0.447	0.593
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	5mm	Ant 4	DSI 7	518598	2592.99	1	11.72	13.00	1.343	-	-	-0.03	0.413	0.555
3000MHz-4000MHz																					
	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 5	DSI 7	42590	3500	1	13.71	15.00	1.346	62.9	1.006	-0.12	0.237	0.321
42	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 5	DSI 7	42590	3500	1	13.71	15.00	1.346	62.9	1.006	-0.06	0.450	0.609
	LTE Band 42	20M	QPSK	1	0	-	Right Side	5mm	Ant 5	DSI 7	42590	3500	1	13.71	15.00	1.346	62.9	1.006	0.08	0.081	0.110



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	LTE Band 42	20M	QPSK	1	0	-	Top Side	5mm	Ant 5	DSI 7	42590	3500	1	13.71	15.00	1.346	62.9	1.006	-0.18	0.199	0.269
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 5	DSI 7	42590	3500	1	13.68	15.00	1.355	62.9	1.006	0.11	0.224	0.305
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 5	DSI 7	42590	3500	1	13.68	15.00	1.355	62.9	1.006	0.19	0.399	0.544
	LTE Band 42	20M	QPSK	50	0	-	Right Side	5mm	Ant 5	DSI 7	42590	3500	1	13.68	15.00	1.355	62.9	1.006	0.15	0.077	0.105
	LTE Band 42	20M	QPSK	50	0	-	Top Side	5mm	Ant 5	DSI 7	42590	3500	1	13.68	15.00	1.355	62.9	1.006	0.19	0.196	0.267
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	DSI 7	633332	3499.98	1	11.65	12.50	1.216	-	-	0.06	0.241	0.293
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	DSI 7	633332	3499.98	1	11.65	12.50	1.216	-	-	0.04	0.505	0.614
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 5	DSI 7	633332	3499.98	1	11.65	12.50	1.216	-	-	0	0.098	0.119
	FR1 n78	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 5	DSI 7	633332	3499.98	1	11.65	12.50	1.216	-	-	-0.12	0.250	0.304
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	DSI 7	633332	3499.98	1	11.61	12.50	1.227	-	-	0.16	0.226	0.277
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	DSI 7	633332	3499.98	1	11.61	12.50	1.227	-	-	0.02	0.491	0.603
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 5	DSI 7	633332	3499.98	1	11.61	12.50	1.227	-	-	-0.1	0.090	0.110
	FR1 n78	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 5	DSI 7	633332	3499.98	1	11.61	12.50	1.227	-	-	-0.11	0.207	0.254
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	DSI 7	633332	3499.98	1	10.34	11.00	1.164	-	-	-0.16	0.062	0.072
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI 7	633332	3499.98	1	10.34	11.00	1.164	-	-	-0.07	0.514	0.598
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 2	DSI 7	633332	3499.98	1	10.34	11.00	1.164	-	-	-0.09	0.129	0.150
	FR1 n78	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 2	DSI 7	633332	3499.98	1	10.34	11.00	1.164	-	-	-0.01	0.010	0.012
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	DSI 7	633332	3499.98	1	10.27	11.00	1.183	-	-	0.15	0.060	0.071
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	DSI 7	633332	3499.98	1	10.27	11.00	1.183	-	-	-0.15	0.500	0.592
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 2	DSI 7	633332	3499.98	1	10.27	11.00	1.183	-	-	-0.15	0.124	0.147
	FR1 n78	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 2	DSI 7	633332	3499.98	1	10.27	11.00	1.183	-	-	0.14	0.008	0.009
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	DSI 7	633332	3499.98	1	12.81	13.50	1.172	-	-	0.11	0.035	0.041
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI 7	633332	3499.98	1	12.81	13.50	1.172	-	-	-0.09	0.520	0.610
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 8	DSI 7	633332	3499.98	1	12.81	13.50	1.172	-	-	0.09	0.109	0.128
	FR1 n78	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 8	DSI 7	633332	3499.98	1	12.81	13.50	1.172	-	-	0.05	0.007	0.008
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	DSI 7	633332	3499.98	1	12.79	13.50	1.178	-	-	-0.07	0.030	0.035
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI 7	633332	3499.98	1	12.79	13.50	1.178	-	-	0.09	0.488	0.575
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 8	DSI 7	633332	3499.98	1	12.79	13.50	1.178	-	-	0	0.090	0.106
	FR1 n78	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 8	DSI 7	633332	3499.98	1	12.79	13.50	1.178	-	-	0.07	0.003	0.004
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	DSI 7	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.07	0.775	0.964
43	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI 7	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.08	1.030	1.282
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI 7	633332	3499.98	2	16.55	17.50	1.245	-	-	0.06	0.691	0.860
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 1	DSI 7	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.15	0.511	0.636
	FR1 n78	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 1	DSI 7	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.16	0.616	0.767
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	DSI 7	633332	3499.98	1	16.48	17.50	1.265	-	-	-0.18	0.760	0.961
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	DSI 7	633332	3499.98	1	16.48	17.50	1.265	-	-	0.1	0.927	1.172
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 1	DSI 7	633332	3499.98	1	16.48	17.50	1.265	-	-	0.06	0.484	0.612
	FR1 n78	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 1	DSI 7	633332	3499.98	1	16.48	17.50	1.265	-	-	-0.16	0.602	0.761
	FR1 n78	100M	QPSK	270	0	DFT-30	Front	5mm	Ant 1	DSI 7	633332	3499.98	1	16.40	17.50	1.288	-	-	-0.01	0.751	0.967
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	DSI 7	633332	3499.98	1	16.40	17.50	1.288	-	-	-0.13	0.938	1.208



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WLAN2.4GHz																	
44	Bluetooth	DH5 1Mbps	Front	5mm	Ant 6	Simultaneous	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.12	0.174	0.319
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	Simultaneous	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.16	0.270	0.495
	Bluetooth	DH5 1Mbps	Right Side	5mm	Ant 6	Simultaneous	39	2441	1	12.50	14.00	1.413	77.03	1.298	0	0.156	0.286
	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 6	Simultaneous	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.05	0.166	0.305
45	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	Simultaneous	1	2412	1	16.50	18.00	1.413	97.46	1.026	0.11	0.414	0.600
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Simultaneous	1	2412	1	16.50	18.00	1.413	97.46	1.026	0.19	0.502	0.728
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 6	Simultaneous	1	2412	1	16.50	18.00	1.413	97.46	1.026	0	0.317	0.459
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 6	Simultaneous	1	2412	1	16.50	18.00	1.413	97.46	1.026	-0.1	0.347	0.503
46	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	Simultaneous	42	5210	1	11.42	13.00	1.439	89.6	1.116	-0.13	0.162	0.260
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	Simultaneous	42	5210	1	11.42	13.00	1.439	89.6	1.116	0.07	0.369	0.593
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6	Simultaneous	42	5210	1	11.42	13.00	1.439	89.6	1.116	-0.11	0.094	0.151
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6	Simultaneous	42	5210	1	11.42	13.00	1.439	89.6	1.116	0.18	0.460	0.739
47	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6	Simultaneous	42	5210	2	11.42	13.00	1.439	89.6	1.116	0.02	0.281	0.451
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	Simultaneous	155	5775	1	11.31	13.00	1.476	89.6	1.116	-0.04	0.139	0.229
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	Simultaneous	155	5775	1	11.31	13.00	1.476	89.6	1.116	-0.13	0.258	0.425
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6	Simultaneous	155	5775	1	11.31	13.00	1.476	89.6	1.116	0.12	0.125	0.206
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6	Simultaneous	155	5775	1	11.31	13.00	1.476	89.6	1.116	0.17	0.431	0.710



16.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	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																						
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI 3	23095	707.5	1	22.55	24.00	1.396	-	-	0.06	0.126	0.176
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	23095	707.5	1	22.55	24.00	1.396	-	-	-0.12	0.376	0.525
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI 3	23095	707.5	1	21.64	23.00	1.368	-	-	-0.18	0.112	0.153
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI 3	23095	707.5	1	21.64	23.00	1.368	-	-	0.09	0.292	0.399
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	23095	707.5	1	22.55	24.00	1.396	-	-	0.1	0.409	0.571
48	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	1	22.55	24.00	1.396	-	-	0.03	0.864	1.206
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	23095	707.5	1	22.55	24.00	1.396	-	-	0.01	0.834	1.165
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI 3	23095	707.5	1	21.64	23.00	1.368	-	-	-0.1	0.324	0.443
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	1	21.64	23.00	1.368	-	-	-0.01	0.787	1.076
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	1	21.54	23.00	1.400	-	-	0.1	0.588	0.823
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI 3	23230	782	1	22.48	24.00	1.419	-	-	-0.11	0.200	0.284
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	23230	782	1	22.48	24.00	1.419	-	-	-0.19	0.374	0.531
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	DSI 3	23230	782	1	21.45	23.00	1.429	-	-	-0.19	0.150	0.214
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	DSI 3	23230	782	1	21.45	23.00	1.429	-	-	-0.19	0.291	0.416
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	23230	782	1	22.49	24.00	1.416	-	-	-0.09	0.436	0.617
49	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	23230	782	1	22.49	24.00	1.416	-	-	-0.13	0.853	1.208
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	23230	782	1	22.49	24.00	1.416	-	-	0.13	0.811	1.148
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI 3	23230	782	1	21.62	23.00	1.374	-	-	0.08	0.337	0.463
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI 3	23230	782	1	21.62	23.00	1.374	-	-	0.07	0.774	1.064
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	23230	782	1	21.54	23.00	1.400	-	-	-0.15	0.651	0.911
835MHz																						
	GSM850	-	-	-	-	GPRS 2 Tx slots	Front	5mm	Ant 0	-	DSI 3	189	836.4	1	27.47	29.00	1.422	-	-	0.11	0.434	0.617
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	-	DSI 3	189	836.4	1	27.47	29.00	1.422	-	-	-0.04	0.790	1.124
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	-	DSI 3	128	824.2	1	27.30	29.00	1.479	-	-	-0.19	0.787	1.164
50	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	-	DSI 3	251	848.8	1	27.41	29.00	1.442	-	-	0.12	0.866	1.249
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	Headset	DSI 3	251	848.8	1	27.41	29.00	1.442	-	-	0.07	0.845	1.219
	GSM850	-	-	-	-	GPRS 2 Tx slots	Front	14mm	Ant 0	-	DSI 4	189	836.4	1	30.22	31.50	1.343	-	-	-0.18	0.412	0.553
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	19mm	Ant 0	-	DSI 4	251	848.8	1	30.21	31.50	1.346	-	-	0.02	0.486	0.654
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	4182	836.4	1	20.91	22.20	1.346	-	-	0.18	0.355	0.478
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4182	836.4	1	20.91	22.20	1.346	-	-	0.01	0.802	1.079
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4132	826.4	1	20.86	22.20	1.361	-	-	-0.01	0.811	1.104
51	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4233	846.6	1	20.82	22.20	1.374	-	-	0.14	0.844	1.160
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	14mm	Ant 0	-	DSI 4	4182	836.4	1	22.70	24.00	1.349	-	-	0.09	0.316	0.426
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	19mm	Ant 0	-	DSI 4	4233	846.6	1	22.67	24.00	1.358	-	-	-0.07	0.327	0.444
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI 3	26865	831.5	1	22.43	24.00	1.435	-	-	0.05	0.344	0.494
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	26865	831.5	1	22.43	24.00	1.435	-	-	0.1	0.611	0.877
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 4	-	DSI 3	26865	831.5	1	21.55	23.00	1.396	-	-	0.02	0.244	0.341
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	-	DSI 3	26865	831.5	1	21.55	23.00	1.396	-	-	0.18	0.529	0.739
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 4	-	DSI 3	26865	831.5	1	21.49	23.00	1.416	-	-	-0.09	0.523	0.740
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	26865	831.5	1	21.61	23.20	1.442	-	-	-0.06	0.363	0.523
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	1	21.61	23.20	1.442	-	-	-0.16	0.749	1.080
	LTE Band 26	15M	QPSK	1	0	-	Front	14mm	Ant 0	-	DSI 4	26865	831.5	1	22.45	24.00	1.429	-	-	-0.01	0.263	0.376
	LTE Band 26	15M	QPSK	1	0	-	Back	19mm	Ant 0	-	DSI 4	26865	831.5	1	22.45	24.00	1.429	-	-	0.15	0.273	0.390
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	-	DSI 3	26865	831.5	1	21.57	23.00	1.390	-	-	0.08	0.385	0.535
52	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	1	21.57	23.00	1.390	-	-	0.13	0.844	1.173
	LTE Band 26	15M	QPSK	36	0	-	Front	14mm	Ant 0	-	DSI 4	26865	831.5	1	21.48	23.00	1.419	-	-	0.04	0.188	0.267
	LTE Band 26	15M	QPSK	36	0	-	Back	19mm	Ant 0	-	DSI 4	26865	831.5	1	21.48	23.00	1.419	-	-	0.19	0.192	0.272
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	-	DSI 3	26865	831.5	1	21.46	23.00	1.426	-	-	0.09	0.761	1.085
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI 3	166300	831.5	1	22.94	24.00	1.276	-	-	-0.03	0.182	0.232
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI 3	166300	831.5	1	22.94	24.00	1.276	-	-	0.19	0.555	0.708



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	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	-	DSI 3	166300	831.5	1	22.85	24.00	1.303	-	-	-0.13	0.208	0.271
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	-	DSI 3	166300	831.5	1	22.85	24.00	1.303	-	-	0.15	0.651	0.848
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 4	-	DSI 3	166300	831.5	1	21.80	23.00	1.318	-	-	0.1	0.543	0.716
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI 3	166300	831.5	1	22.57	23.50	1.239	-	-	0.1	0.498	0.617
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	166300	831.5	1	22.57	23.50	1.239	-	-	-0.18	0.971	1.203
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	Headset	DSI 3	166300	831.5	1	22.57	23.50	1.239	-	-	-0.13	0.933	1.156
	FR1 n26	20M	QPSK	1	1	DFT-15	Front	14mm	Ant 0	-	DSI 4	166300	831.5	1	22.93	24.00	1.279	-	-	0.05	0.188	0.241
	FR1 n26	20M	QPSK	1	1	DFT-15	Back	19mm	Ant 0	-	DSI 4	166300	831.5	1	22.93	24.00	1.279	-	-	0.18	0.190	0.243
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	-	DSI 3	166300	831.5	1	22.49	23.50	1.262	-	-	-0.02	0.516	0.651
53	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	166300	831.5	1	22.49	23.50	1.262	-	-	-0.04	1.010	1.274
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	166300	831.5	2	22.49	23.50	1.262	-	-	0.01	0.792	0.999
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	Headset	DSI 3	166300	831.5	1	22.49	23.50	1.262	-	-	0.19	0.964	1.216
	FR1 n26	20M	QPSK	50	28	DFT-15	Front	14mm	Ant 0	-	DSI 4	166300	831.5	1	22.80	24.00	1.318	-	-	0.08	0.197	0.260
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	19mm	Ant 0	-	DSI 4	166300	831.5	1	22.80	24.00	1.318	-	-	0.15	0.195	0.257
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 0	-	DSI 3	166300	831.5	1	21.72	23.00	1.343	-	-	0	0.890	1.195
1750MHz																						
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	1413	1732.6	1	17.88	19.00	1.294	-	-	-0.17	0.489	0.633
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	1413	1732.6	1	17.88	19.00	1.294	-	-	0.07	0.769	0.995
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	1312	1712.4	1	17.65	19.00	1.365	-	-	0.18	0.719	0.981
54	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	1513	1752.6	1	17.85	19.00	1.303	-	-	0.05	0.878	1.144
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	14mm	Ant 0	-	DSI 4	1413	1732.6	1	22.69	24.00	1.352	-	-	-0.17	0.679	0.918
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	14mm	Ant 0	-	DSI 4	1312	1712.4	1	22.64	24.00	1.368	-	-	-0.08	0.651	0.890
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	14mm	Ant 0	-	DSI 4	1513	1752.6	1	22.60	24.00	1.380	-	-	0.05	0.691	0.954
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	19mm	Ant 0	-	DSI 4	1513	1752.6	1	22.60	24.00	1.380	-	-	0.07	0.563	0.777
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI 3	132322	1745	1	18.23	19.50	1.340	-	-	0.06	0.485	0.650
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	132322	1745	1	18.23	19.50	1.340	-	-	0.17	0.648	0.868
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	132072	1720	1	18.10	19.50	1.380	-	-	-0.12	0.619	0.854
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	132572	1770	1	18.11	19.50	1.377	-	-	-0.04	0.663	0.913
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	132572+132374	1770+1750.2	1	18.10	19.50	1.380	-	-	0.07	0.611	0.843
	LTE Band 66	20M	QPSK	1	0	-	Front	14mm	Ant 4	-	DSI 4	132322	1745	1	22.66	24.00	1.361	-	-	0.01	0.433	0.590
	LTE Band 66	20M	QPSK	1	0	-	Back	19mm	Ant 4	-	DSI 4	132572	1770	1	22.65	24.00	1.365	-	-	0.19	0.379	0.517
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI 3	132322	1745	1	18.14	19.50	1.368	-	-	0.07	0.491	0.672
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	132322	1745	1	18.14	19.50	1.368	-	-	-0.13	0.617	0.844
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	132072	1720	1	18.07	19.50	1.390	-	-	-0.17	0.586	0.815
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	132572	1770	1	18.09	19.50	1.384	-	-	0.12	0.639	0.884
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI 3	132322	1745	1	18.13	19.50	1.371	-	-	-0.01	0.619	0.849
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	132322	1745	1	18.05	19.50	1.396	-	-	-0.01	0.553	0.772
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	132322	1745	1	18.05	19.50	1.396	-	-	-0.19	0.791	1.105
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	132072	1720	1	17.89	19.50	1.449	-	-	-0.16	0.816	1.182
55	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	132572	1770	1	17.95	19.50	1.429	-	-	0.13	0.880	1.257
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	132572+132374	1770+1750.2	1	17.88	19.50	1.452	-	-	0.04	0.804	1.167
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	132572	1770	1	17.95	19.50	1.429	-	-	-0.02	0.713	1.019
	LTE Band 66	20M	QPSK	1	0	-	Front	14mm	Ant 0	-	DSI 4	132322	1745	1	22.59	24.00	1.384	-	-	-0.1	0.525	0.726
	LTE Band 66	20M	QPSK	1	0	-	Back	19mm	Ant 0	-	DSI 4	132572	1770	1	22.52	24.00	1.406	-	-	0.14	0.450	0.633
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	132322	1745	1	18.00	19.50	1.413	-	-	-0.01	0.524	0.740
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	132322	1745	1	18.00	19.50	1.413	-	-	-0.13	0.776	1.096
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	132072	1720	1	17.91	19.50	1.442	-	-	0.18	0.808	1.165
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	132572	1770	1	17.90	19.50	1.445	-	-	-0.17	0.864	1.249
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	Headset	DSI 3	132572	1770	1	17.90	19.50	1.445	-	-	-0.07	0.700	1.012
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	132322	1745	1	17.99	19.50	1.416	-	-	0.06	0.768	1.087
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI 3	349000	1745	1	18.99	20.00	1.262	-	-	0.18	0.455	0.574
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI 3	349000	1745	1	18.99	20.00	1.262	-	-	-0.11	0.714	0.901
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	14mm	Ant 4	-	DSI 4	349000	1745	1	22.90	24.00	1.288	-	-	0.16	0.281	0.362
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	19mm	Ant 4	-	DSI 4	349000	1745	1	22.90	24.00	1.288	-	-	-0.05	0.251	0.323
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI 3	349000	1745	1	18.98	20.00	1.265	-	-	-0.07	0.472	0.597
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI 3	349000	1745	1	18.98	20.00	1.265	-	-	0.08	0.732	0.926



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	FR1 n66	40M	QPSK	108	54	DFT-15	Front	14mm	Ant 4	-	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	0.14	0.298	0.388
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	19mm	Ant 4	-	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	0.14	0.262	0.341
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 4	-	DSI 3	349000	1745	1	18.91	20.00	1.285	-	-	-0.02	0.696	0.895
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI 3	349000	1745	1	19.22	20.50	1.343	-	-	0.02	0.680	0.913
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	349000	1745	1	19.22	20.50	1.343	-	-	0.09	0.820	1.101
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	14mm	Ant 0	-	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	0.15	0.387	0.504
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	19mm	Ant 0	-	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	0.16	0.344	0.448
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	-	DSI 3	349000	1745	1	19.16	20.50	1.361	-	-	0.02	0.679	0.924
56	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	-	DSI 3	349000	1745	1	19.16	20.50	1.361	-	-	-0.12	0.849	1.156
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	14mm	Ant 0	-	DSI 4	349000	1745	1	22.58	24.00	1.387	-	-	-0.16	0.406	0.563
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	19mm	Ant 0	-	DSI 4	349000	1745	1	22.58	24.00	1.387	-	-	0.02	0.356	0.494
	FR1 n66	40M	QPSK	216	0	DFT-15	Front	5mm	Ant 0	-	DSI 3	349000	1745	1	19.09	20.50	1.384	-	-	-0.1	0.663	0.917
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0	-	DSI 3	349000	1745	1	19.09	20.50	1.384	-	-	-0.02	0.795	1.100
1900MHz																						
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Front	5mm	Ant 0	-	DSI 3	661	1880	1	22.59	24.00	1.384	-	-	0.16	0.565	0.782
57	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	-	DSI 3	661	1880	1	22.59	24.00	1.384	-	-	-0.19	0.759	1.050
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	-	DSI 3	512	1850.2	1	22.52	24.00	1.406	-	-	0.16	0.591	0.831
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	5mm	Ant 0	-	DSI 3	810	1908.8	1	22.43	24.00	1.435	-	-	-0.19	0.687	0.986
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Front	14mm	Ant 0	-	DSI 4	661	1880	1	27.10	28.00	1.230	-	-	0.16	0.607	0.747
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	19mm	Ant 0	-	DSI 4	661	1880	1	27.10	28.00	1.230	-	-	-0.02	0.482	0.593
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	9400	1880	1	16.23	17.50	1.340	-	-	0.02	0.539	0.722
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	9400	1880	1	16.23	17.50	1.340	-	-	0.03	0.820	1.099
58	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	9262	1852.4	1	16.15	17.50	1.365	-	-	0.04	0.859	1.172
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	9538	1907.6	1	16.22	17.50	1.343	-	-	-0.04	0.699	0.939
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	14mm	Ant 0	-	DSI 4	9400	1880	1	22.58	24.00	1.387	-	-	0.01	0.821	1.139
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	14mm	Ant 0	-	DSI 4	9262	1852.4	1	22.54	24.00	1.400	-	-	0.07	0.825	1.155
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	14mm	Ant 0	-	DSI 4	9538	1907.6	1	22.49	24.00	1.416	-	-	-0.05	0.759	1.075
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	19mm	Ant 0	-	DSI 4	9262	1852.4	1	22.54	24.00	1.400	-	-	0.01	0.803	1.124
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI 3	26340	1880	1	19.00	20.00	1.259	-	-	0.18	0.553	0.696
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	26340	1880	1	19.00	20.00	1.259	-	-	0.17	0.666	0.838
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	26140	1860	1	18.94	20.00	1.276	-	-	0.19	0.676	0.863
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	26590	1905	1	18.88	20.00	1.294	-	-	-0.06	0.636	0.823
	LTE Band 25	20M	QPSK	1	0	-	Front	14mm	Ant 4	-	DSI 4	26340	1880	1	23.04	24.00	1.247	-	-	-0.1	0.385	0.480
	LTE Band 25	20M	QPSK	1	0	-	Back	19mm	Ant 4	-	DSI 4	26140	1860	1	22.78	24.00	1.324	-	-	-0.08	0.270	0.358
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI 3	26340	1880	1	18.98	20.00	1.265	-	-	-0.04	0.544	0.688
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	26340	1880	1	18.98	20.00	1.265	-	-	0.04	0.654	0.827
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	26140	1860	1	18.90	20.00	1.288	-	-	-0.15	0.651	0.839
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	26590	1905	1	18.86	20.00	1.300	-	-	-0.11	0.610	0.793
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI 3	26340	1880	1	18.97	20.00	1.268	-	-	0.15	0.651	0.825
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	26340	1880	1	16.54	18.00	1.400	-	-	-0.12	0.559	0.782
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26340	1880	1	16.54	18.00	1.400	-	-	-0.08	0.865	1.211
59	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26140	1860	1	16.53	18.00	1.403	-	-	0.04	0.873	1.225
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	26590	1905	1	16.51	18.00	1.409	-	-	-0.01	0.835	1.177
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	26140	1860	1	16.53	18.00	1.403	-	-	0.05	0.809	1.135
	LTE Band 25	20M	QPSK	1	0	-	Front	14mm	Ant 0	-	DSI 4	26340	1880	1	22.55	24.00	1.396	-	-	0.15	0.815	1.138
	LTE Band 25	20M	QPSK	1	0	-	Front	14mm	Ant 0	-	DSI 4	26140	1860	1	22.43	24.00	1.435	-	-	0.05	0.801	1.150
	LTE Band 25	20M	QPSK	1	0	-	Front	14mm	Ant 0	-	DSI 4	26590	1905	1	22.53	24.00	1.403	-	-	0.11	0.759	1.065
	LTE Band 25	20M	QPSK	1	0	-	Back	19mm	Ant 0	-	DSI 4	26140	1860	1	22.43	24.00	1.435	-	-	0.1	0.636	0.913
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	26340	1880	1	16.45	18.00	1.429	-	-	-0.14	0.542	0.774
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	26340	1880	1	16.45	18.00	1.429	-	-	-0.13	0.849	1.213
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	26140	1860	1	16.43	18.00	1.435	-	-	-0.05	0.843	1.210
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	26590	1905	1	16.41	18.00	1.442	-	-	-0.17	0.744	1.073
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	Headset	DSI 3	26340	1880	1	16.45	18.00	1.429	-	-	-0.03	0.839	1.199
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	26340	1880	1	16.42	18.00	1.439	-	-	0.02	0.830	1.194
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI 3	376000	1880	1	18.35	19.50	1.303	-	-	-0.15	0.415	0.541
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI 3	376000	1880	1	18.35	19.50	1.303	-	-	0.17	0.652	0.850



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	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI 3	372000	1860	1	18.23	19.50	1.340	-	-	0.06	0.624	0.836
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI 3	380000	1900	1	18.24	19.50	1.337	-	-	-0.11	0.699	0.934
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	14mm	Ant 4	-	DSI 4	376000	1880	1	22.96	24.00	1.271	-	-	0.04	0.283	0.360
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	19mm	Ant 4	-	DSI 4	380000	1900	1	22.81	24.00	1.315	-	-	-0.06	0.193	0.254
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 4	-	DSI 3	376000	1880	1	18.28	19.50	1.324	-	-	-0.13	0.407	0.539
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	-	DSI 3	376000	1880	1	18.28	19.50	1.324	-	-	-0.18	0.625	0.828
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	-	DSI 3	372000	1860	1	18.14	19.50	1.368	-	-	0.19	0.580	0.793
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 4	-	DSI 3	380000	1900	1	18.22	19.50	1.343	-	-	0.12	0.665	0.893
	FR1 n2	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 4	-	DSI 3	376000	1880	1	18.17	19.50	1.358	-	-	0.08	0.661	0.898
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	-	DSI 3	376000	1880	1	16.92	18.00	1.282	-	-	-0.06	0.604	0.775
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	376000	1880	1	16.92	18.00	1.282	-	-	-0.12	0.906	1.162
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	372000	1860	1	16.80	18.00	1.318	-	-	-0.12	0.941	1.240
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	-	DSI 3	380000	1900	1	16.85	18.00	1.303	-	-	-0.15	0.886	1.155
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	Headset	DSI 3	372000	1860	1	16.80	18.00	1.318	-	-	-0.06	0.866	1.142
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	14mm	Ant 0	-	DSI 4	376000	1880	1	22.93	24.00	1.279	-	-	-0.04	0.538	0.688
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	19mm	Ant 0	-	DSI 4	372000	1860	1	22.90	24.00	1.288	-	-	-0.15	0.449	0.578
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 0	-	DSI 3	376000	1880	1	16.90	18.00	1.288	-	-	0.15	0.612	0.788
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	376000	1880	1	16.90	18.00	1.288	-	-	-0.08	0.880	1.134
60	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	372000	1860	1	16.73	18.00	1.340	-	-	0.19	0.949	1.271
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	372000	1860	2	16.73	18.00	1.340	-	-	0.06	0.726	0.973
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	-	DSI 3	380000	1900	1	16.82	18.00	1.312	-	-	0.01	0.858	1.126
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	Headset	DSI 3	372000	1860	1	16.73	18.00	1.340	-	-	0.12	0.879	1.178
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	14mm	Ant 0	-	DSI 4	376000	1880	1	22.85	24.00	1.303	-	-	0.13	0.556	0.725
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	19mm	Ant 0	-	DSI 4	372000	1860	1	22.80	24.00	1.318	-	-	-0.18	0.461	0.608
	FR1 n2	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 0	-	DSI 3	376000	1880	1	16.75	18.00	1.334	-	-	0.18	0.867	1.156
2600MHz																						
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	1	18.00	19.50	1.413	-	-	-0.19	0.667	0.942
61	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	1	18.00	19.50	1.413	-	-	0.12	0.820	1.158
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21100+21298	2535+2554.8	1	17.96	19.50	1.413	-	-	0.01	0.603	0.852
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	20850	2510	1	17.99	19.50	1.416	-	-	-0.04	0.643	0.910
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	21350	2560	1	17.90	19.50	1.445	-	-	-0.1	0.727	1.051
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	20850	2510	1	17.99	19.50	1.416	-	-	0.06	0.772	1.093
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	1	17.90	19.50	1.445	-	-	0.05	0.785	1.135
	LTE Band 7	20M	QPSK	1	0	-	Front	14mm	Ant 1	-	DSI 4	21350	2560	1	22.50	24.00	1.413	-	-	-0.13	0.627	0.886
	LTE Band 7	20M	QPSK	1	0	-	Back	19mm	Ant 1	-	DSI 4	21100	2535	1	22.64	24.00	1.368	-	-	-0.07	0.402	0.550
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	1	17.94	19.50	1.432	-	-	0.16	0.652	0.934
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	1	17.94	19.50	1.432	-	-	-0.12	0.801	1.147
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	20850	2510	1	17.87	19.50	1.455	-	-	-0.09	0.628	0.914
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	21350	2560	1	17.92	19.50	1.439	-	-	0.06	0.710	1.022
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	20850	2510	1	17.87	19.50	1.455	-	-	0.18	0.754	1.097
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	1	17.92	19.50	1.439	-	-	-0.16	0.767	1.104
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	1	17.95	19.50	1.429	-	-	-0.06	0.651	0.930
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	1	17.95	19.50	1.429	-	-	-0.11	0.785	1.122
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	DSI 3	40620	2593	1	18.67	19.00	1.079	62.9	1.006	-0.13	0.508	0.551
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	40620	2593	1	18.67	19.00	1.079	62.9	1.006	0.12	0.778	0.844
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	39750	2506	1	18.62	19.00	1.091	62.9	1.006	0.06	0.727	0.798
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	40185	2549.5	1	18.54	19.00	1.112	62.9	1.006	0.14	0.771	0.862
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	41055	2636.5	1	18.53	19.00	1.114	62.9	1.006	-0.09	0.802	0.899
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	DSI 3	41490	2680	1	18.55	19.00	1.109	62.9	1.006	0.08	0.735	0.820
	LTE Band 41	20M	QPSK	1	0	-	Front	14mm	Ant 4	-	DSI 4	40620	2593	1	22.79	24.00	1.321	62.9	1.006	-0.1	0.392	0.521
	LTE Band 41	20M	QPSK	1	0	-	Back	19mm	Ant 4	-	DSI 4	41055	2636.5	1	22.75	24.00	1.334	62.9	1.006	0.14	0.289	0.388
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	DSI 3	40620	2593	1	18.66	19.00	1.081	62.9	1.006	-0.1	0.485	0.528
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	40620	2593	1	18.66	19.00	1.081	62.9	1.006	0.1	0.743	0.808
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	39750	2506	1	18.52	19.00	1.117	62.9	1.006	-0.1	0.694	0.780
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	40185	2549.5	1	18.44	19.00	1.138	62.9	1.006	0.13	0.736	0.842
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	41055	2636.5	1	18.43	19.00	1.140	62.9	1.006	0.12	0.766	0.879



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	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	DSI 3	41490	2680	1	18.47	19.00	1.130	62.9	1.006	-0.01	0.702	0.798
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	DSI 3	40620	2593	1	18.65	19.00	1.084	62.9	1.006	0.05	0.731	0.797
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1		DSI 3	40620	2593	1	20.52	21.50	1.253	62.9	1.006	-0.18	0.882	1.112
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1		DSI 3	40620	2593	1	20.52	21.50	1.253	62.9	1.006	0.08	0.965	1.217
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	39750	2506	1	20.47	21.50	1.268	62.9	1.006	-0.18	0.724	0.923
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	0.19	0.890	1.135
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	41055	2636.5	1	20.45	21.50	1.274	62.9	1.006	-0.18	0.788	1.010
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	41490	2680	1	19.99	21.50	1.416	62.9	1.006	-0.02	0.596	0.849
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	39750	2506	1	20.47	21.50	1.268	62.9	1.006	-0.14	0.873	1.113
62	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	0.04	0.968	1.234
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	41055	2636.5	1	20.45	21.50	1.274	62.9	1.006	-0.1	0.915	1.172
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	41490	2680	1	19.99	21.50	1.416	62.9	1.006	0.18	0.675	0.961
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	DSI 3	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	0.19	0.808	1.030
	LTE Band 41	20M	QPSK	1	0	-	Front	14mm	Ant 1		DSI 4	40185	2549.5	1	23.02	24.00	1.253	62.9	1.006	-0.08	0.293	0.369
	LTE Band 41	20M	QPSK	1	0	-	Back	19mm	Ant 1	-	DSI 4	40185	2549.5	1	23.02	24.00	1.253	62.9	1.006	0	0.195	0.246
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	40620	2593	1	20.49	21.50	1.262	62.9	1.006	0.11	0.852	1.082
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	1	20.49	21.50	1.262	62.9	1.006	-0.09	0.932	1.183
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	39750	2506	1	20.46	21.50	1.271	62.9	1.006	-0.01	0.699	0.893
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	-0.16	0.860	1.127
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	41055	2636.5	1	20.41	21.50	1.285	62.9	1.006	-0.03	0.761	0.984
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	41490	2680	1	19.94	21.50	1.432	62.9	1.006	-0.03	0.576	0.830
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	39750	2506	1	20.46	21.50	1.271	62.9	1.006	-0.19	0.843	1.078
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	-0.17	0.935	1.226
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	41055	2636.5	1	20.41	21.50	1.285	62.9	1.006	0.05	0.884	1.143
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	41490	2680	1	19.94	21.50	1.432	62.9	1.006	0.15	0.652	0.939
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	Headset	DSI 3	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	0.07	0.797	1.045
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	DSI 3	40620	2593	1	20.33	21.50	1.309	62.9	1.006	-0.15	0.890	1.172
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	40620	2593	1	20.33	21.50	1.309	62.9	1.006	-0.08	0.910	1.199
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 4	-	DSI 3	507000	2535	1	15.48	16.00	1.127	-	-	-0.02	0.523	0.590
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 4	-	DSI 3	507000	2535	1	15.48	16.00	1.127	-	-	0.19	0.821	0.925
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	14mm	Ant 4	-	DSI 4	507000	2535	1	22.95	24.00	1.274	-	-	0.11	0.618	0.787
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	19mm	Ant 4	-	DSI 4	507000	2535	1	22.95	24.00	1.274	-	-	-0.18	0.467	0.595
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 4	-	DSI 3	507000	2535	1	15.43	16.00	1.140	-	-	0.07	0.511	0.583
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 4	-	DSI 3	507000	2535	1	15.43	16.00	1.140	-	-	0.12	0.805	0.918
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 4	-	DSI 3	507000	2535	1	15.40	16.00	1.148	-	-	-0.14	0.793	0.910
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	-	DSI 3	507000	2535	1	18.96	20.00	1.271	-	-	0.06	0.953	1.211
63	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	507000	2535	1	18.96	20.00	1.271	-	-	-0.12	1.000	1.271
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	-	DSI 3	507000	2535	2	18.96	20.00	1.271	-	-	-0.18	0.861	1.094
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	Headset	DSI 3	507000	2535	1	18.96	20.00	1.271	-	-	0.06	0.933	1.185
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	Headset	DSI 3	507000	2535	1	18.96	20.00	1.271	-	-	0.13	0.944	1.199
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	14mm	Ant 1	-	DSI 4	507000	2535	1	22.90	24.00	1.288	-	-	0.03	0.583	0.751
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	19mm	Ant 1	-	DSI 4	507000	2535	1	22.90	24.00	1.288	-	-	-0.01	0.366	0.471
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	-	DSI 3	507000	2535	1	18.81	20.00	1.315	-	-	-0.16	0.913	1.201
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	-	DSI 3	507000	2535	1	18.81	20.00	1.315	-	-	-0.03	0.925	1.217
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	Headset	DSI 3	507000	2535	1	18.81	20.00	1.315	-	-	0.15	0.880	1.157
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	Headset	DSI 3	507000	2535	1	18.81	20.00	1.315	-	-	0.15	0.897	1.180
	FR1 n7	40M	QPSK	216	0	DFT-15	Front	5mm	Ant 1	-	DSI 3	507000	2535	1	18.78	20.00	1.324	-	-	-0.15	0.837	1.108
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 1	-	DSI 3	507000	2535	1	18.78	20.00	1.324	-	-	0.15	0.897	1.188
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 4	-	DSI 3	518598	2592.99	1	14.16	15.50	1.361	-	-	-0.16	0.419	0.570
64	FR1 n41	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4	-	DSI 3	518598	2592.99	1	14.16	15.50	1.361	-	-	-0.16	0.687	0.935
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	14mm	Ant 4	-	DSI 4	518598	2592.99	1	22.90	24.00	1.288	-	-	0.06	0.552	0.711
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	19mm	Ant 4	-	DSI 4	518598	2592.99	1	22.90	24.00	1.288	-	-	-0.09	0.406	0.523
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	-	DSI 3	518598	2592.99	1	14.10	15.50	1.380	-	-	-0.19	0.392	0.541
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	-	DSI 3	518598	2592.99	1	14.10	15.50	1.380	-	-	0.02	0.660	0.911
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 4	-	DSI 3	518598	2592.99	1	14.08	15.50	1.387	-	-	-0.14	0.651	0.903
3000MHz-4000MHz																						



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	LTE Band 42	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	DSI 3	42590	3500	1	15.58	17.00	1.387	62.9	1.006	0.18	0.296	0.413
65	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI 3	42590	3500	1	15.58	17.00	1.387	62.9	1.006	0.1	0.667	0.931
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI 3	42190	3460	1	15.52	17.00	1.406	62.9	1.006	0.03	0.618	0.874
	LTE Band 42	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	DSI 3	42990	3540	1	15.38	17.00	1.452	62.9	1.006	0.1	0.610	0.891
	LTE Band 42	20M	QPSK	1	0	-	Front	14mm	Ant 5	-	DSI 4	42590	3500	1	22.30	24.00	1.479	62.9	1.006	-0.13	0.404	0.601
	LTE Band 42	20M	QPSK	1	0	-	Back	19mm	Ant 5	-	DSI 4	42590	3500	1	22.30	24.00	1.479	62.9	1.006	-0.04	0.216	0.321
	LTE Band 42	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	DSI 3	42590	3500	1	15.57	17.00	1.390	62.9	1.006	0.08	0.292	0.408
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI 3	42590	3500	1	15.57	17.00	1.390	62.9	1.006	-0.14	0.632	0.884
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI 3	42190	3460	1	15.56	17.00	1.393	62.9	1.006	-0.03	0.565	0.792
	LTE Band 42	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	DSI 3	42990	3540	1	15.55	17.00	1.396	62.9	1.006	-0.08	0.575	0.808
	LTE Band 42	20M	QPSK	100	0	-	Back	5mm	Ant 5	-	DSI 3	42590	3500	1	15.56	17.00	1.393	62.9	1.006	-0.01	0.571	0.800
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 5	-	DSI 3	633332	3499.98	1	13.35	14.00	1.161	-	-	0.06	0.341	0.396
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 5	-	DSI 3	633332	3499.98	1	13.35	14.00	1.161	-	-	0.04	0.802	0.931
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	14mm	Ant 5	-	DSI 4	633332	3499.98	1	22.85	24.00	1.303	-	-	0.01	0.700	0.912
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	19mm	Ant 5	-	DSI 4	633332	3499.98	1	22.85	24.00	1.303	-	-	0.15	0.381	0.497
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 5	-	DSI 3	633332	3499.98	1	13.26	14.00	1.186	-	-	0.16	0.319	0.378
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 5	-	DSI 3	633332	3499.98	1	13.26	14.00	1.186	-	-	0.02	0.764	0.906
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 5	-	DSI 3	633332	3499.98	1	13.24	14.00	1.191	-	-	-0.06	0.768	0.915
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	-	DSI 3	633332	3499.98	1	11.88	12.50	1.153	-	-	-0.09	0.088	0.102
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	-	DSI 3	633332	3499.98	1	11.88	12.50	1.153	-	-	0.04	0.786	0.907
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	14mm	Ant 2	-	DSI 4	633332	3499.98	1	15.16	16.00	1.213	-	-	0.12	0.010	0.012
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	19mm	Ant 2	-	DSI 4	633332	3499.98	1	15.16	16.00	1.213	-	-	0.03	0.094	0.114
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	-	DSI 3	633332	3499.98	1	11.86	12.50	1.159	-	-	0	0.076	0.088
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	-	DSI 3	633332	3499.98	1	11.86	12.50	1.159	-	-	0.13	0.757	0.877
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2	-	DSI 3	633332	3499.98	1	11.75	12.50	1.189	-	-	0.04	0.736	0.875
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	-	DSI 3	633332	3499.98	1	14.82	15.50	1.169	-	-	0.13	0.050	0.058
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	-	DSI 3	633332	3499.98	1	14.82	15.50	1.169	-	-	0.03	0.791	0.925
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	14mm	Ant 8	-	DSI 4	633332	3499.98	1	20.35	21.00	1.161	-	-	-0.14	0.042	0.049
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	19mm	Ant 8	-	DSI 4	633332	3499.98	1	20.35	21.00	1.161	-	-	-0.13	0.779	0.905
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	-	DSI 3	633332	3499.98	1	14.78	15.50	1.180	-	-	0.09	0.043	0.051
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	-	DSI 3	633332	3499.98	1	14.78	15.50	1.180	-	-	-0.17	0.762	0.899
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8	-	DSI 3	633332	3499.98	1	14.71	15.50	1.199	-	-	0.06	0.677	0.812
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 1	-	DSI 3	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.07	0.775	0.964
66	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	-	DSI 3	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.08	1.030	1.282
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	-	DSI 3	633332	3499.98	2	16.55	17.50	1.245	-	-	0.06	0.691	0.860
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	Headset	DSI3	633332	3499.98	1	16.55	17.50	1.245	-	-	0.12	0.976	1.215
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	14mm	Ant 1	-	DSI 4	633332	3499.98	1	21.67	22.50	1.211	-	-	0.08	0.497	0.602
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	19mm	Ant 1	-	DSI 4	633332	3499.98	1	21.67	22.50	1.211	-	-	0.1	0.339	0.410
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 1	-	DSI 3	633332	3499.98	1	16.48	17.50	1.265	-	-	-0.18	0.760	0.961
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 1	-	DSI 3	633332	3499.98	1	16.48	17.50	1.265	-	-	0.1	0.927	1.172
	FR1 n78	100M	QPSK	270	0	DFT-30	Front	5mm	Ant 1	-	DSI 3	633332	3499.98	1	16.40	17.50	1.288	-	-	-0.01	0.751	0.967
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 1	-	DSI 3	633332	3499.98	1	16.40	17.50	1.288	-	-	-0.13	0.918	1.183



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2.4GHz																		
67	Bluetooth	DH5 1Mbps	Front	5mm	Ant 6	-	Standalone	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.12	0.174	0.319
	Bluetooth	DH5 1Mbps	Back	5mm	Ant 6	-	Standalone	39	2441	1	12.50	14.00	1.413	77.03	1.298	0.16	0.270	0.495
68	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Standalone	1	2412	1	18.00	19.50	1.413	97.46	1.026	0.07	0.585	0.848
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	1	2412	1	18.00	19.50	1.413	97.46	1.026	-0.01	0.709	1.028
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Standalone	6	2437	1	17.90	19.50	1.445	97.46	1.026	0.11	0.640	0.949
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Standalone	11	2462	1	17.90	19.50	1.445	97.46	1.026	0.14	0.667	0.989
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	6	2437	1	17.90	19.50	1.445	97.46	1.026	0	0.770	1.142
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	11	2462	1	17.90	19.50	1.445	97.46	1.026	0.11	0.802	1.189
	WLAN2.4GHz	802.11b 1Mbps	Front	14mm	Ant 6	-	Standalone	11	2462	1	19.50	21.00	1.413	97.46	1.026	0.17	0.186	0.270
	WLAN2.4GHz	802.11b 1Mbps	Back	19mm	Ant 6	-	Standalone	11	2462	1	19.50	21.00	1.413	97.46	1.026	-0.16	0.103	0.149
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Simultaneous	1	2412	1	14.20	15.50	1.349	97.46	1.026	0.08	0.233	0.322
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Simultaneous	1	2412	1	14.20	15.50	1.349	97.46	1.026	-0.17	0.282	0.390
5000MHz																		
69	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	58	5290	1	11.25	13.00	1.496	89.6	1.116	0.04	0.298	0.498
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	58	5290	1	11.25	13.00	1.496	89.6	1.116	0.17	0.651	1.087
	WLAN5.3GHz	802.11a 6Mbps	Front	14mm	Ant 6	-	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	0.13	0.332	0.438
	WLAN5.3GHz	802.11a 6Mbps	Back	19mm	Ant 6	-	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	-0.19	0.337	0.445
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Simultaneous	58	5290	1	6.83	8.50	1.469	89.6	1.116	-0.02	0.106	0.174
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	58	5290	1	6.83	8.50	1.469	89.6	1.116	-0.07	0.231	0.379
70	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	122	5610	1	14.85	16.50	1.462	89.6	1.116	-0.05	0.317	0.517
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	122	5610	1	14.85	16.50	1.462	89.6	1.116	-0.07	0.695	1.134
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	122	5610	2	14.85	16.50	1.462	89.6	1.116	0.08	0.597	0.974
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	106	5530	1	14.69	16.50	1.517	89.6	1.116	-0.15	0.648	1.097
	WLAN5.5GHz	802.11a 6Mbps	Front	14mm	Ant 6	-	Standalone	116	5580	1	18.38	20.00	1.452	97.31	1.028	-0.19	0.165	0.246
	WLAN5.5GHz	802.11a 6Mbps	Back	19mm	Ant 6	-	Standalone	116	5580	1	18.38	20.00	1.452	97.31	1.028	0.15	0.182	0.272
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Simultaneous	122	5610	1	10.27	12.00	1.489	89.6	1.116	-0.07	0.112	0.186
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	122	5610	1	10.27	12.00	1.489	89.6	1.116	0.12	0.239	0.397
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	155	5775	1	14.81	16.50	1.476	89.6	1.116	0.01	0.393	0.647
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	155	5775	1	14.81	16.50	1.476	89.6	1.116	-0.13	0.670	1.103
71	WLAN5.8GHz	802.11a 6Mbps	Front	14mm	Ant 6	-	Standalone	149	5745	1	17.40	19.00	1.445	97.31	1.028	-0.02	0.167	0.248
	WLAN5.8GHz	802.11a 6Mbps	Back	19mm	Ant 6	-	Standalone	149	5745	1	17.40	19.00	1.445	97.31	1.028	-0.07	0.207	0.307
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Simultaneous	155	5775	1	10.32	12.00	1.472	89.6	1.116	0.18	0.139	0.228
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	155	5775	1	10.32	12.00	1.472	89.6	1.116	0.1	0.238	0.391
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	155	5775	1	10.32	12.00	1.472	89.6	1.116	0.1	0.238	0.391



16.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	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)
750MHz																					
72	LTE Band 12	10M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	23095	707.5	1	22.55	24.00	1.396	-	-	-0.19	1.880	2.625
	LTE Band 12	10M	QPSK	25	0	-	Back	0mm	Ant 0	DSI 6	23095	707.5	1	21.64	23.00	1.368	-	-	-0.13	1.460	1.997
	LTE Band 12	10M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	23095	707.5	1	21.54	23.00	1.400	-	-	-0.18	1.400	1.959
73	LTE Band 13	10M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	23230	782	1	22.49	24.00	1.416	-	-	-0.05	1.940	2.747
	LTE Band 13	10M	QPSK	25	0	-	Back	0mm	Ant 0	DSI 6	23230	782	1	21.62	23.00	1.374	-	-	-0.01	1.430	1.965
	LTE Band 13	10M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	23230	782	1	21.54	23.00	1.400	-	-	0.03	1.520	2.127
835MHz																					
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	0mm	Ant 0	DSI 6	189	836.4	1	30.22	31.50	1.343	-	-	-0.16	1.940	2.605
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	0mm	Ant 0	DSI 6	128	824.2	1	30.15	31.50	1.365	-	-	0.01	1.900	2.593
	GSM850	-	-	-	-	GPRS 2 Tx slots	Back	0mm	Ant 0	DSI 6	251	848.8	1	30.21	31.50	1.346	-	-	-0.06	1.680	2.261
74	GSM850	-	-	-	-	GPRS 2 Tx slots	Bottom Side	0mm	Ant 0	DSI 6	189	836.4	1	30.22	31.50	1.343	-	-	0.12	2.120	2.847
	GSM850	-	-	-	-	GPRS 2 Tx slots	Bottom Side	0mm	Ant 0	DSI 6	128	824.2	1	30.15	31.50	1.365	-	-	-0.18	2.020	2.756
	GSM850	-	-	-	-	GPRS 2 Tx slots	Bottom Side	0mm	Ant 0	DSI 6	251	848.8	1	30.21	31.50	1.346	-	-	-0.03	1.940	2.611
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4182	836.4	1	22.70	24.00	1.349	-	-	0.05	1.940	2.617
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4132	826.4	1	22.69	24.00	1.352	-	-	-0.02	1.910	2.582
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4233	846.6	1	22.67	24.00	1.358	-	-	0	1.970	2.676
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	4182	836.4	1	22.70	24.00	1.349	-	-	0.05	2.290	3.089
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	4132	826.4	1	22.69	24.00	1.352	-	-	0.16	2.130	2.880
75	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	4233	846.6	1	22.67	24.00	1.358	-	-	-0.04	2.330	3.165
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	26865	831.5	1	22.45	24.00	1.429	-	-	0.01	2.080	2.972
76	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26865	831.5	1	22.45	24.00	1.429	-	-	0.06	2.220	3.172
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26865	831.5	2	22.45	24.00	1.429	-	-	0.08	1.870	2.672
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 0	DSI 6	26865	831.5	1	21.48	23.00	1.419	-	-	-0.18	1.730	2.455
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	0mm	Ant 0	DSI 6	26865	831.5	1	21.48	23.00	1.419	-	-	-0.03	1.750	2.483
	LTE Band 26	15M	QPSK	75	0	-	Back	0mm	Ant 0	DSI 6	26865	831.5	1	21.42	23.00	1.439	-	-	0.17	1.700	2.446
	LTE Band 26	15M	QPSK	75	0	-	Bottom Side	0mm	Ant 0	DSI 6	26865	831.5	1	21.42	23.00	1.439	-	-	0.09	1.720	2.475
77	FR1 n26	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	166300	831.5	1	22.93	24.00	1.279	-	-	0.14	1.970	2.520
	FR1 n26	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 0	DSI 6	166300	831.5	1	22.80	24.00	1.318	-	-	-0.19	1.860	2.452
	FR1 n26	20M	QPSK	100	0	DFT-15	Back	0mm	Ant 0	DSI 6	166300	831.5	1	21.73	23.00	1.340	-	-	0.05	1.710	2.291
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1413	1732.6	1	20.87	22.00	1.297	-	-	0.01	1.060	1.375
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1413	1732.6	1	20.87	22.00	1.297	-	-	-0.07	1.770	2.296
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1312	1712.4	1	20.73	22.00	1.340	-	-	-0.07	1.600	2.143
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1513	1752.6	1	20.78	22.00	1.324	-	-	0.05	1.970	2.609
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	1	20.87	22.00	1.297	-	-	0.05	2.050	2.659
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1312	1712.4	1	20.73	22.00	1.340	-	-	0.14	1.930	2.586
78	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1513	1752.6	1	20.78	22.00	1.324	-	-	0.05	2.180	2.887
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 4	1413	1732.6	1	22.69	24.00	1.352	-	-	0.08	0.488	0.660
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 0	DSI 4	1513	1752.6	1	22.60	24.00	1.380	-	-	-0.15	0.433	0.598
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	17mm	Ant 0	DSI 4	1513	1752.6	1	22.60	24.00	1.380	-	-	-0.06	0.501	0.692
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 4	DSI 6	132322	1745	1	19.57	21.00	1.390	-	-	0.16	0.957	1.330
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	132322	1745	1	19.57	21.00	1.390	-	-	0.16	1.120	1.557
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	132322	1745	1	19.57	21.00	1.390	-	-	-0.07	1.550	2.154
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	132072	1720	1	19.45	21.00	1.429	-	-	-0.11	1.440	2.058
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	132572	1770	1	19.43	21.00	1.435	-	-	0.07	1.610	2.311
	LTE Band 66C	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	132572+132374	1770+1750.2	1	19.42	21.00	1.439	-	-	0.04	1.480	2.129
	LTE Band 66	20M	QPSK	1	0	-	Front	9mm	Ant 4	DSI 4	132322	1745	1	22.66	24.00	1.361	-	-	0.01	0.470	0.640
	LTE Band 66	20M	QPSK	1	0	-	Back	13mm	Ant 4	DSI 4	132322	1745	1	22.66	24.00	1.361	-	-	0.16	0.333	0.453
	LTE Band 66	20M	QPSK	1	0	-	Top Side	17mm	Ant 4	DSI 4	132572	1770	1	22.65	24.00	1.365	-	-	0.07	0.303	0.413
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 4	DSI 6	132322	1745	1	19.47	21.00	1.422	-	-	-0.18	0.914	1.300



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	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI 6	132322	1745	1	19.47	21.00	1.422	-	-	-0.18	1.050	1.493
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	DSI 6	132322	1745	1	19.47	21.00	1.422	-	-	0.16	1.430	2.034
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	DSI 6	132072	1720	1	19.37	21.00	1.455	-	-	-0.13	1.410	2.052
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	DSI 6	132572	1770	1	19.38	21.00	1.452	-	-	-0.13	1.580	2.294
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	DSI 6	132322	1745	1	19.45	21.00	1.429	-	-	0.09	1.450	2.072
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	132322	1745	1	20.53	22.00	1.403	-	-	0.13	0.983	1.379
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	1	20.53	22.00	1.403	-	-	-0.11	1.760	2.469
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	132072	1720	1	20.51	22.00	1.409	-	-	0	1.680	2.368
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	132572	1770	1	20.42	22.00	1.439	-	-	-0.18	1.970	2.834
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	1	20.53	22.00	1.403	-	-	-0.05	1.810	2.539
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132072	1720	1	20.51	22.00	1.409	-	-	-0.08	1.710	2.410
79	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132572	1770	1	20.42	22.00	1.439	-	-	0.03	2.050	2.950
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132572+132374	1770+1750.2	1	20.40	22.00	1.445	-	-	0.01	1.840	2.660
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 4	132322	1745	1	22.59	24.00	1.384	-	-	0.09	0.436	0.603
	LTE Band 66	20M	QPSK	1	0	-	Back	16mm	Ant 0	DSI 4	132572	1770	1	22.52	24.00	1.406	-	-	0.19	0.325	0.457
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	17mm	Ant 0	DSI 4	132572	1770	1	22.52	24.00	1.406	-	-	0.18	0.405	0.569
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	132322	1745	1	20.48	22.00	1.419	-	-	0.13	0.920	1.306
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	1	20.48	22.00	1.419	-	-	-0.06	1.540	2.185
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	132072	1720	1	20.35	22.00	1.462	-	-	0.03	1.380	2.018
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	132572	1770	1	20.36	22.00	1.459	-	-	0.17	1.870	2.728
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	1	20.48	22.00	1.419	-	-	-0.1	1.720	2.441
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	132072	1720	1	20.35	22.00	1.462	-	-	-0.04	1.560	2.281
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	132572	1770	1	20.36	22.00	1.459	-	-	-0.02	1.930	2.816
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	1	20.39	22.00	1.449	-	-	0.1	1.470	2.130
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	1	20.39	22.00	1.449	-	-	0.02	1.810	2.622
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 4	DSI 6	349000	1745	1	20.57	21.50	1.239	-	-	0.05	1.040	1.288
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	DSI 6	349000	1745	1	20.57	21.50	1.239	-	-	0.1	1.110	1.375
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	DSI 6	349000	1745	1	20.57	21.50	1.239	-	-	0.06	1.840	2.279
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	9mm	Ant 4	DSI 4	349000	1745	1	22.90	24.00	1.288	-	-	0.08	0.340	0.438
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	13mm	Ant 4	DSI 4	349000	1745	1	22.90	24.00	1.288	-	-	-0.12	0.309	0.398
	FR1 n66	40M	QPSK	1	1	DFT-15	Top Side	17mm	Ant 4	DSI 4	349000	1745	1	22.90	24.00	1.288	-	-	0.16	0.207	0.267
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 4	DSI 6	349000	1745	1	20.55	21.50	1.245	-	-	0.04	1.080	1.344
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	DSI 6	349000	1745	1	20.55	21.50	1.245	-	-	-0.09	1.170	1.456
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 4	DSI 6	349000	1745	1	20.55	21.50	1.245	-	-	0.12	1.980	2.464
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	9mm	Ant 4	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	-0.18	0.352	0.459
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	13mm	Ant 4	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	0.08	0.313	0.408
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	17mm	Ant 4	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	-0.03	0.213	0.278
	FR1 n66	40M	QPSK	216	0	DFT-15	Top Side	0mm	Ant 4	DSI 6	349000	1745	1	20.43	21.50	1.279	-	-	0.16	1.880	2.405
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	DSI 6	349000	1745	1	21.81	23.00	1.315	-	-	-0.09	1.220	1.605
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	349000	1745	1	21.81	23.00	1.315	-	-	0.06	2.020	2.657
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	21.81	23.00	1.315	-	-	0.15	2.260	2.972
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	-0.05	0.268	0.349
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	16mm	Ant 0	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	-0.12	0.204	0.266
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	17mm	Ant 0	DSI 4	349000	1745	1	22.85	24.00	1.303	-	-	0.02	0.245	0.319
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 0	DSI 6	349000	1745	1	21.80	23.00	1.318	-	-	-0.07	1.340	1.766
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	349000	1745	1	21.80	23.00	1.318	-	-	-0.01	2.190	2.887
80	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	21.80	23.00	1.318	-	-	0.08	2.410	3.177
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	2	21.80	23.00	1.318	-	-	-0.04	1.950	2.571
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI 4	349000	1745	1	22.58	24.00	1.387	-	-	0.01	0.285	0.395
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	16mm	Ant 0	DSI 4	349000	1745	1	22.58	24.00	1.387	-	-	0.15	0.218	0.302
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	17mm	Ant 0	DSI 4	349000	1745	1	22.58	24.00	1.387	-	-	-0.07	0.260	0.361
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 0	DSI 6	349000	1745	1	21.68	23.00	1.355	-	-	0.16	2.080	2.819
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	21.68	23.00	1.355	-	-	0.06	2.290	3.103
1900MHz																					
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Front	0mm	Ant 0	DSI 6	661	1880	1	27.10	28.00	1.230	-	-	0.07	1.550	1.907
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	0mm	Ant 0	DSI 6	661	1880	1	27.10	28.00	1.230	-	-	-0.15	2.330	2.867



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81	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	0mm	Ant 0	DSI 6	512	1850.2	1	26.96	28.00	1.271	-	-	-0.05	2.360	2.999
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Back	0mm	Ant 0	DSI 6	810	1908.8	1	27.02	28.00	1.253	-	-	0.05	2.210	2.769
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Bottom Side	0mm	Ant 0	DSI 6	661	1880	1	27.10	28.00	1.230	-	-	-0.04	1.970	2.424
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Bottom Side	0mm	Ant 0	DSI 6	512	1850.2	1	26.96	28.00	1.271	-	-	0.17	2.060	2.617
	GSM1900	-	-	-	-	GPRS 2 Tx slots	Bottom Side	0mm	Ant 0	DSI 6	810	1908.8	1	27.02	28.00	1.253	-	-	-0.16	1.990	2.494
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9400	1880	1	19.73	21.00	1.340	-	-	0.01	1.440	1.929
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9400	1880	1	19.73	21.00	1.340	-	-	0.11	2.010	2.693
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9262	1852.4	1	19.65	21.00	1.365	-	-	0.18	2.110	2.879
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9538	1907.6	1	19.67	21.00	1.358	-	-	0.18	1.880	2.554
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9400	1880	1	19.73	21.00	1.340	-	-	0	2.040	2.733
82	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9262	1852.4	1	19.65	21.00	1.365	-	-	0.17	2.140	2.920
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9538	1907.6	1	19.67	21.00	1.358	-	-	-0.14	2.100	2.852
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 4	9400	1880	1	22.58	24.00	1.387	-	-	0	0.788	1.093
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 0	DSI 4	9262	1852.4	1	22.54	24.00	1.400	-	-	-0.06	0.653	0.914
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	17mm	Ant 0	DSI 4	9262	1852.4	1	22.54	24.00	1.400	-	-	-0.15	0.876	1.226
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 4	DSI 6	26340	1880	1	20.42	21.50	1.282	-	-	0.05	1.090	1.398
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	26340	1880	1	20.42	21.50	1.282	-	-	0.12	1.210	1.552
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	26340	1880	1	20.42	21.50	1.282	-	-	-0.08	1.880	2.411
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	26140	1860	1	20.41	21.50	1.285	-	-	-0.13	1.900	2.442
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	26590	1905	1	20.36	21.50	1.300	-	-	-0.09	1.770	2.301
	LTE Band 25	20M	QPSK	1	0	-	Front	9mm	Ant 4	DSI 4	26340	1880	1	23.04	24.00	1.247	-	-	0.05	0.434	0.541
	LTE Band 25	20M	QPSK	1	0	-	Back	13mm	Ant 4	DSI 4	26340	1880	1	23.04	24.00	1.247	-	-	0.04	0.234	0.292
	LTE Band 25	20M	QPSK	1	0	-	Top Side	17mm	Ant 4	DSI 4	26140	1860	1	22.78	24.00	1.324	-	-	-0.13	0.317	0.420
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 4	DSI 6	26340	1880	1	20.41	21.50	1.285	-	-	0.07	1.020	1.311
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI 6	26340	1880	1	20.41	21.50	1.285	-	-	0.01	1.130	1.452
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	DSI 6	26340	1880	1	20.41	21.50	1.285	-	-	-0.11	1.760	2.262
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	DSI 6	26140	1860	1	20.31	21.50	1.315	-	-	-0.1	1.770	2.328
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	DSI 6	26590	1905	1	20.29	21.50	1.321	-	-	-0.09	1.650	2.180
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	DSI 6	26340	1880	1	20.40	21.50	1.288	-	-	-0.1	1.750	2.254
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	26340	1880	1	20.28	21.50	1.324	-	-	0.16	1.500	1.987
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	26340	1880	1	20.28	21.50	1.324	-	-	-0.15	1.910	2.529
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	26140	1860	1	20.12	21.50	1.374	-	-	-0.05	1.970	2.707
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	26590	1905	1	20.19	21.50	1.352	-	-	-0.11	2.010	2.718
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26340	1880	1	20.28	21.50	1.324	-	-	0.07	1.950	2.582
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26140	1860	1	20.12	21.50	1.374	-	-	-0.07	2.050	2.817
83	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	26590	1905	1	20.19	21.50	1.352	-	-	0.04	2.130	2.880
	LTE Band 25	20M	QPSK	1	0	-	Front	10mm	Ant 0	DSI 4	26340	1880	1	22.55	24.00	1.396	-	-	-0.08	0.635	0.887
	LTE Band 25	20M	QPSK	1	0	-	Back	16mm	Ant 0	DSI 4	26590	1905	1	22.53	24.00	1.403	-	-	0.08	0.415	0.582
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	17mm	Ant 0	DSI 4	26590	1905	1	22.53	24.00	1.403	-	-	-0.11	0.676	0.948
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	26340	1880	1	20.13	21.50	1.371	-	-	0.06	1.430	1.960
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	26340	1880	1	20.13	21.50	1.371	-	-	-0.12	1.820	2.495
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	26140	1860	1	20.10	21.50	1.380	-	-	-0.11	1.880	2.595
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	26590	1905	1	20.04	21.50	1.400	-	-	-0.19	1.920	2.687
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	26340	1880	1	20.13	21.50	1.371	-	-	0.1	1.860	2.550
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	26140	1860	1	20.10	21.50	1.380	-	-	0.14	1.960	2.706
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	26590	1905	1	20.04	21.50	1.400	-	-	0.13	2.030	2.841
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 0	DSI 6	26340	1880	1	20.08	21.50	1.387	-	-	0.1	1.880	2.607
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	DSI 6	26340	1880	1	20.08	21.50	1.387	-	-	0.13	1.910	2.649
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	0mm	Ant 4	DSI 6	376000	1880	1	20.08	21.00	1.236	-	-	0.01	0.862	1.065
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	DSI 6	376000	1880	1	20.08	21.00	1.236	-	-	0.17	0.976	1.206
	FR1 n2	20M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	DSI 6	376000	1880	1	20.08	21.00	1.236	-	-	0.08	1.960	2.422
	FR1 n2	20M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	DSI 6	372000	1860	1	20.01	21.00	1.256	-	-	-0.03	1.830	2.299
	FR1 n2	20M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	DSI 6	380000	1900	1	19.96	21.00	1.271	-	-	0.06	1.880	2.389
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	9mm	Ant 4	DSI 4	376000	1880	1	22.96	24.00	1.271	-	-	-0.19	0.355	0.451
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	13mm	Ant 4	DSI 4	376000	1880	1	22.96	24.00	1.271	-	-	-0.16	0.255	0.324
	FR1 n2	20M	QPSK	1	1	DFT-15	Top Side	17mm	Ant 4	DSI 4	376000	1880	1	22.96	24.00	1.271	-	-	-0.13	0.224	0.285



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	FR1 n2	20M	QPSK	50	28	DFT-15	Front	0mm	Ant 4	DSI 6	376000	1880	1	20.03	21.00	1.250	-	-	0.02	0.867	1.084
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 4	DSI 6	376000	1880	1	20.03	21.00	1.250	-	-	0.11	0.991	1.239
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	0mm	Ant 4	DSI 6	376000	1880	1	20.03	21.00	1.250	-	-	-0.17	1.970	2.463
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	0mm	Ant 4	DSI 6	372000	1860	1	19.95	21.00	1.274	-	-	-0.11	1.850	2.356
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	0mm	Ant 4	DSI 6	380000	1900	1	19.91	21.00	1.285	-	-	0.02	1.910	2.455
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	9mm	Ant 4	DSI 4	376000	1880	1	22.90	24.00	1.288	-	-	-0.02	0.358	0.461
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	13mm	Ant 4	DSI 4	376000	1880	1	22.90	24.00	1.288	-	-	0.08	0.260	0.335
	FR1 n2	20M	QPSK	50	28	DFT-15	Top Side	17mm	Ant 4	DSI 4	376000	1880	1	22.90	24.00	1.288	-	-	-0.11	0.231	0.298
	FR1 n2	20M	QPSK	100	0	DFT-15	Top Side	0mm	Ant 4	DSI 6	376000	1880	1	19.91	21.00	1.285	-	-	0.13	1.860	2.391
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	DSI 6	376000	1880	1	20.36	21.50	1.300	-	-	-0.13	1.650	2.145
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	DSI 6	372000	1860	1	20.29	21.50	1.321	-	-	0.11	1.560	2.061
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	DSI 6	380000	1900	1	20.23	21.50	1.340	-	-	0.04	1.510	2.023
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	376000	1880	1	20.36	21.50	1.300	-	-	-0.06	2.270	2.951
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	372000	1860	1	20.29	21.50	1.321	-	-	0.06	2.110	2.788
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	380000	1900	1	20.23	21.50	1.340	-	-	-0.07	2.160	2.894
84	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	376000	1880	1	20.36	21.50	1.300	-	-	0.06	2.380	3.094
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	372000	1860	1	20.29	21.50	1.321	-	-	0.06	2.220	2.933
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	380000	1900	1	20.23	21.50	1.340	-	-	-0.07	2.170	2.907
	FR1 n2	20M	QPSK	1	1	DFT-15	Front	10mm	Ant 0	DSI 4	376000	1880	1	22.93	24.00	1.279	-	-	0.1	0.538	0.688
	FR1 n2	20M	QPSK	1	1	DFT-15	Back	16mm	Ant 0	DSI 4	376000	1880	1	22.93	24.00	1.279	-	-	0.19	0.388	0.496
	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	17mm	Ant 0	DSI 4	376000	1880	1	22.93	24.00	1.279	-	-	-0.13	0.609	0.779
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	0mm	Ant 0	DSI 6	376000	1880	1	20.27	21.50	1.327	-	-	-0.06	1.610	2.137
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	0mm	Ant 0	DSI 6	372000	1860	1	20.26	21.50	1.330	-	-	-0.19	1.520	2.022
	FR1 n2	20M	QPSK	50	28	DFT-15	Front	0mm	Ant 0	DSI 6	380000	1900	1	20.13	21.50	1.371	-	-	-0.04	1.480	2.029
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 0	DSI 6	376000	1880	1	20.27	21.50	1.327	-	-	-0.03	2.220	2.947
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 0	DSI 6	372000	1860	1	20.26	21.50	1.330	-	-	-0.1	2.060	2.741
	FR1 n2	20M	QPSK	50	28	DFT-15	Back	0mm	Ant 0	DSI 6	380000	1900	1	20.13	21.50	1.371	-	-	0.08	2.110	2.893
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	376000	1880	1	20.27	21.50	1.327	-	-	-0.19	2.330	3.093
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	372000	1860	1	20.26	21.50	1.330	-	-	0.11	2.170	2.887
	FR1 n2	20M	QPSK	50	28	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	380000	1900	1	20.13	21.50	1.371	-	-	-0.16	2.120	2.906
	FR1 n2	20M	QPSK	100	0	DFT-15	Front	0mm	Ant 0	DSI 6	376000	1880	1	20.24	21.50	1.337	-	-	-0.19	1.580	2.112
	FR1 n2	20M	QPSK	100	0	DFT-15	Back	0mm	Ant 0	DSI 6	376000	1880	1	20.24	21.50	1.337	-	-	-0.05	2.140	2.860
	FR1 n2	20M	QPSK	100	0	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	376000	1880	1	20.24	21.50	1.337	-	-	0.1	2.190	2.927
2600MHz																					
85	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	1	19.78	21.00	1.324	-	-	0.09	2.250	2.980
	LTE Band 7C	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	21100+ 21298	2535+ 2554.8	1	19.76	21.00	1.330	-	-	0.01	1.960	2.608
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	2	19.78	21.00	1.324	-	-	0.02	1.450	1.920
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	20850	2510	1	19.77	21.00	1.327	-	-	0.08	2.230	2.960
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	21350	2560	1	19.75	21.00	1.334	-	-	-0.06	2.170	2.894
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	21100	2535	1	19.78	21.00	1.324	-	-	-0.02	2.080	2.755
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	20850	2510	1	19.77	21.00	1.327	-	-	-0.01	2.060	2.734
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	21350	2560	1	19.75	21.00	1.334	-	-	0.08	2.000	2.667
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	DSI 6	21100	2535	1	19.78	21.00	1.324	-	-	0.01	1.180	1.563
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI 6	21100	2535	1	19.78	21.00	1.324	-	-	-0.17	1.080	1.430
	LTE Band 7	20M	QPSK	1	0	-	Front	4mm	Ant 1	DSI 4	21100	2535	1	22.64	24.00	1.368	-	-	-0.02	2.070	2.831
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 4	21100	2535	1	22.64	24.00	1.368	-	-	-0.05	1.200	1.641
	LTE Band 7	20M	QPSK	1	0	-	Left Side	6mm	Ant 1	DSI 4	21100	2535	1	22.64	24.00	1.368	-	-	0.08	0.197	0.269
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	12mm	Ant 1	DSI 4	21100	2535	1	22.64	24.00	1.368	-	-	0	1.450	1.983
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	1	19.76	21.00	1.330	-	-	-0.09	2.200	2.927
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	20850	2510	1	19.74	21.00	1.337	-	-	-0.1	2.180	2.914
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	21350	2560	1	19.74	21.00	1.337	-	-	0.19	2.120	2.834
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	21100	2535	1	19.76	21.00	1.330	-	-	0.08	2.030	2.701
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	20850	2510	1	19.74	21.00	1.337	-	-	0.12	2.010	2.687
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	21350	2560	1	19.74	21.00	1.337	-	-	-0.13	1.950	2.606
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	DSI 6	21100	2535	1	19.76	21.00	1.330	-	-	0.08	1.150	1.530
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	DSI 6	21100	2535	1	19.76	21.00	1.330	-	-	0.12	1.060	1.410



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	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	1	19.65	21.00	1.365	-	-	0.07	2.080	2.838
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 1	DSI 6	21100	2535	1	19.65	21.00	1.365	-	-	-0.11	1.930	2.634
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 4	DSI 6	40620	2593	1	22.52	23.00	1.117	62.9	1.006	0.11	1.820	2.045
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 4	DSI 6	39750	2506	1	22.40	23.00	1.148	62.9	1.006	0.05	1.620	1.871
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 4	DSI 6	40185	2549.5	1	22.42	23.00	1.143	62.9	1.006	-0.04	1.760	2.024
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 4	DSI 6	41055	2636.5	1	22.38	23.00	1.153	62.9	1.006	0.19	1.910	2.216
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 4	DSI 6	41490	2680	1	22.33	23.00	1.167	62.9	1.006	-0.08	1.830	2.148
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	40620	2593	1	22.52	23.00	1.117	62.9	1.006	0.1	1.950	2.191
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	39750	2506	1	22.40	23.00	1.148	62.9	1.006	0.15	1.700	1.964
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	40185	2549.5	1	22.42	23.00	1.143	62.9	1.006	0.07	1.870	2.150
86	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	41055	2636.5	1	22.38	23.00	1.153	62.9	1.006	0.1	2.100	2.437
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	DSI 6	41490	2680	1	22.33	23.00	1.167	62.9	1.006	0.08	1.900	2.230
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	DSI 6	40620	2593	1	22.52	23.00	1.117	62.9	1.006	-0.05	1.260	1.416
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	DSI 6	40620	2593	1	22.52	23.00	1.117	62.9	1.006	-0.09	1.310	1.472
	LTE Band 41	20M	QPSK	1	0	-	Front	9mm	Ant 4	DSI 4	41055	2636.5	1	22.75	24.00	1.334	62.9	1.006	-0.15	0.477	0.640
	LTE Band 41	20M	QPSK	1	0	-	Back	13mm	Ant 4	DSI 4	41055	2636.5	1	22.75	24.00	1.334	62.9	1.006	-0.12	0.330	0.443
	LTE Band 41	20M	QPSK	1	0	-	Left Side	6mm	Ant 4	DSI 4	40620	2593	1	22.79	24.00	1.321	62.9	1.006	0.07	0.654	0.869
	LTE Band 41	20M	QPSK	1	0	-	Top Side	17mm	Ant 4	DSI 4	40620	2593	1	22.79	24.00	1.321	62.9	1.006	0.1	0.214	0.284
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 4	DSI 6	40620	2593	1	22.46	23.00	1.132	62.9	1.006	0.12	1.780	2.028
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 4	DSI 6	39750	2506	1	22.24	23.00	1.191	62.9	1.006	0.11	1.580	1.893
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 4	DSI 6	40185	2549.5	1	22.45	23.00	1.135	62.9	1.006	0.1	1.720	1.964
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 4	DSI 6	41055	2636.5	1	22.28	23.00	1.180	62.9	1.006	0.13	1.870	2.220
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 4	DSI 6	41490	2680	1	22.31	23.00	1.172	62.9	1.006	-0.14	1.790	2.111
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI 6	40620	2593	1	22.46	23.00	1.132	62.9	1.006	0.06	1.910	2.176
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI 6	39750	2506	1	22.24	23.00	1.191	62.9	1.006	-0.17	1.660	1.989
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI 6	40185	2549.5	1	22.45	23.00	1.135	62.9	1.006	0.11	1.830	2.090
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI 6	41055	2636.5	1	22.28	23.00	1.180	62.9	1.006	-0.15	2.050	2.434
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 4	DSI 6	41490	2680	1	22.31	23.00	1.172	62.9	1.006	0.1	1.860	2.193
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	DSI 6	40620	2593	1	22.46	23.00	1.132	62.9	1.006	0.02	1.230	1.401
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	DSI 6	40620	2593	1	22.46	23.00	1.132	62.9	1.006	-0.08	1.280	1.458
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant 4	DSI 6	40620	2593	1	22.44	23.00	1.138	62.9	1.006	0.12	1.730	1.980
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 4	DSI 6	40620	2593	1	22.44	23.00	1.138	62.9	1.006	-0.12	1.860	2.129
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	40620	2593	1	20.52	21.50	1.253	62.9	1.006	0.01	1.710	2.156
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	39750	2506	1	20.47	21.50	1.268	62.9	1.006	0.15	1.750	2.232
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	-0.04	1.880	2.397
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	41055	2636.5	1	20.45	21.50	1.274	62.9	1.006	-0.19	1.590	2.037
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	41490	2680	1	19.99	21.50	1.416	62.9	1.006	0.13	1.250	1.780
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	40620	2593	1	20.52	21.50	1.253	62.9	1.006	0.02	1.680	2.118
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	39750	2506	1	20.47	21.50	1.268	62.9	1.006	0.04	1.720	2.193
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	40185	2549.5	1	20.47	21.50	1.268	62.9	1.006	0.01	1.850	2.359
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	41055	2636.5	1	20.45	21.50	1.274	62.9	1.006	0.12	1.510	1.935
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	41490	2680	1	19.99	21.50	1.416	62.9	1.006	-0.17	1.180	1.681
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	DSI 6	40620	2593	1	20.52	21.50	1.253	62.9	1.006	-0.17	0.865	1.090
	LTE Band 41	20M	QPSK	1	0	-	Front	4mm	Ant 1	DSI 4	40185	2549.5	1	23.02	24.00	1.253	62.9	1.006	-0.18	1.550	1.954
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 1	DSI 4	40185	2549.5	1	23.02	24.00	1.253	62.9	1.006	-0.01	0.464	0.585
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	12mm	Ant 1	DSI 4	40620	2593	1	23.05	24.00	1.245	62.9	1.006	-0.01	0.429	0.537
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	40620	2593	1	20.49	21.50	1.262	62.9	1.006	-0.14	1.600	2.031
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	39750	2506	1	20.46	21.50	1.271	62.9	1.006	0.19	1.630	2.083
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	0.08	1.760	2.307
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	41055	2636.5	1	20.41	21.50	1.285	62.9	1.006	-0.08	1.480	1.914
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	41490	2680	1	19.94	21.50	1.432	62.9	1.006	-0.14	1.170	1.686
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	40620	2593	1	20.49	21.50	1.262	62.9	1.006	-0.12	1.570	1.993
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	39750	2506	1	20.46	21.50	1.271	62.9	1.006	0.06	1.610	2.058
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	40185	2549.5	1	20.35	21.50	1.303	62.9	1.006	-0.18	1.730	2.268
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	41055	2636.5	1	20.41	21.50	1.285	62.9	1.006	0.13	1.410	1.823
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	41490	2680	1	19.94	21.50	1.432	62.9	1.006	0.02	1.100	1.585



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	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	DSI 6	40620	2593	1	20.49	21.50	1.262	62.9	1.006	0.02	0.821	1.042
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant 1	DSI 6	40620	2593	1	20.33	21.50	1.309	62.9	1.006	-0.04	1.480	1.949
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 1	DSI 6	40620	2593	1	20.33	21.50	1.309	62.9	1.006	-0.11	1.440	1.897
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 4	DSI 6	507000	2535	1	18.83	19.50	1.167	-	-	0.17	1.620	1.890
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 4	DSI 6	507000	2535	1	18.83	19.50	1.167	-	-	-0.06	2.020	2.357
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 4	DSI 6	507000	2535	1	18.83	19.50	1.167	-	-	-0.17	1.430	1.669
	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 4	DSI 6	507000	2535	1	18.83	19.50	1.167	-	-	-0.17	1.410	1.645
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	9mm	Ant 4	DSI 4	507000	2535	1	22.95	24.00	1.274	-	-	-0.16	0.762	0.970
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	13mm	Ant 4	DSI 4	507000	2535	1	22.95	24.00	1.274	-	-	0.16	0.550	0.700
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	6mm	Ant 4	DSI 4	507000	2535	1	22.95	24.00	1.274	-	-	-0.1	0.954	1.215
	FR1 n7	40M	QPSK	1	1	DFT-15	Top Side	17mm	Ant 4	DSI 4	507000	2535	1	22.95	24.00	1.274	-	-	0.07	0.451	0.574
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 4	DSI 6	507000	2535	1	18.73	19.50	1.194	-	-	-0.14	1.660	1.982
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	DSI 6	507000	2535	1	18.73	19.50	1.194	-	-	-0.14	2.060	2.460
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	0mm	Ant 4	DSI 6	507000	2535	1	18.73	19.50	1.194	-	-	-0.07	1.480	1.767
	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 4	DSI 6	507000	2535	1	18.73	19.50	1.194	-	-	-0.07	1.450	1.731
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	9mm	Ant 4	DSI 4	507000	2535	1	22.93	24.00	1.279	-	-	0.1	0.787	1.007
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	13mm	Ant 4	DSI 4	507000	2535	1	22.93	24.00	1.279	-	-	0.1	0.568	0.727
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	6mm	Ant 4	DSI 4	507000	2535	1	22.93	24.00	1.279	-	-	-0.02	0.961	1.229
	FR1 n7	40M	QPSK	108	54	DFT-15	Top Side	17mm	Ant 4	DSI 4	507000	2535	1	22.93	24.00	1.279	-	-	0.1	0.463	0.592
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 4	DSI 6	507000	2535	1	18.63	19.50	1.222	-	-	-0.15	1.970	2.407
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 1	DSI6	507000	2535	1	18.96	20.00	1.271	-	-	-0.02	2.080	2.643
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	DSI6	507000	2535	1	18.96	20.00	1.271	-	-	0.07	1.830	2.325
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	0mm	Ant 1	DSI6	507000	2535	1	18.96	20.00	1.271	-	-	-0.11	1.000	1.271
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 1	DSI6	507000	2535	1	18.96	20.00	1.271	-	-	-0.1	0.951	1.208
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	4mm	Ant 1	DSI 4	507000	2535	1	22.90	24.00	1.288	-	-	0.09	1.500	1.932
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	10mm	Ant 1	DSI 4	507000	2535	1	22.90	24.00	1.288	-	-	-0.03	0.571	0.736
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	6mm	Ant 1	DSI 4	507000	2535	1	22.90	24.00	1.288	-	-	0.19	0.616	0.794
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	12mm	Ant 1	DSI 4	507000	2535	1	22.90	24.00	1.288	-	-	-0.01	0.411	0.529
87	FR1 n7	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 1	DSI6	507000	2535	1	18.81	20.00	1.315	-	-	-0.11	2.120	2.788
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 1	DSI6	507000	2535	1	18.81	20.00	1.315	-	-	-0.08	1.880	2.473
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	0mm	Ant 1	DSI6	507000	2535	1	18.81	20.00	1.315	-	-	0.15	1.070	1.407
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 1	DSI6	507000	2535	1	18.81	20.00	1.315	-	-	0.12	0.953	1.253
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	4mm	Ant 1	DSI 4	507000	2535	1	22.80	24.00	1.318	-	-	-0.1	1.540	2.030
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI 4	507000	2535	1	22.80	24.00	1.318	-	-	0.05	0.585	0.771
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	6mm	Ant 1	DSI 4	507000	2535	1	22.80	24.00	1.318	-	-	0.19	0.638	0.841
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	12mm	Ant 1	DSI 4	507000	2535	1	22.80	24.00	1.318	-	-	-0.12	0.438	0.577
	FR1 n7	40M	QPSK	216	0	DFT-15	Front	0mm	Ant 1	DSI6	507000	2535	1	18.78	20.00	1.324	-	-	-0.13	1.960	2.596
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 1	DSI6	507000	2535	1	18.78	20.00	1.324	-	-	-0.02	1.730	2.291
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 4	DSI 6	518598	2592.99	1	18.43	19.50	1.279	-	-	0.1	1.410	1.804
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 4	DSI 6	518598	2592.99	1	18.43	19.50	1.279	-	-	-0.03	1.710	2.188
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 4	DSI 6	518598	2592.99	1	18.43	19.50	1.279	-	-	0.04	1.250	1.599
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	1	18.43	19.50	1.279	-	-	0.04	1.320	1.689
	FR1 n41	100M	QPSK	1	1	DFT-30	Front	9mm	Ant 4	DSI 4	518598	2592.99	1	22.90	24.00	1.288	-	-	0.19	0.616	0.794
	FR1 n41	100M	QPSK	1	1	DFT-30	Back	13mm	Ant 4	DSI 4	518598	2592.99	1	22.90	24.00	1.288	-	-	0.03	0.327	0.421
	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	6mm	Ant 4	DSI 4	518598	2592.99	1	22.90	24.00	1.288	-	-	-0.06	0.878	1.131
	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	17mm	Ant 4	DSI 4	518598	2592.99	1	22.90	24.00	1.288	-	-	0.18	0.287	0.370
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 4	DSI 6	518598	2592.99	1	18.38	19.50	1.294	-	-	-0.07	1.450	1.877
88	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI 6	518598	2592.99	1	18.38	19.50	1.294	-	-	0.11	1.800	2.330
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 4	DSI 6	518598	2592.99	1	18.38	19.50	1.294	-	-	0.01	1.300	1.682
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	1	18.38	19.50	1.294	-	-	0.01	1.350	1.747
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	9mm	Ant 4	DSI 4	518598	2592.99	1	22.87	24.00	1.297	-	-	0.14	0.630	0.817
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	13mm	Ant 4	DSI 4	518598	2592.99	1	22.87	24.00	1.297	-	-	-0.1	0.335	0.435
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	6mm	Ant 4	DSI 4	518598	2592.99	1	22.87	24.00	1.297	-	-	-0.12	0.906	1.175
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	17mm	Ant 4	DSI 4	518598	2592.99	1	22.87	24.00	1.297	-	-	-0.02	0.294	0.381
	FR1 n41	100M	QPSK	270	0	DFT-30	Front	0mm	Ant 4	DSI 6	518598	2592.99	1	18.37	19.50	1.297	-	-	0.09	1.370	1.777
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 4	DSI 6	518598	2592.99	1	18.37	19.50	1.297	-	-	0.09	1.660	2.153



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	FR1 n41	100M	QPSK	270	0	DFT-30	Left Side	0mm	Ant 4	DSI 6	518598	2592.99	1	18.37	19.50	1.297	-	-	0.09	1.180	1.531
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 4	DSI 6	518598	2592.99	1	18.37	19.50	1.297	-	-	-0.07	1.280	1.660
3000MHz-4000MHz																					
89	LTE Band 42	20M	QPSK	1	0	-	Front	0mm	Ant 5	DSI 6	42590	3500	1	19.44	21.00	1.432	62.9	1.006	0.1	1.590	2.291
	LTE Band 42	20M	QPSK	1	0	-	Front	0mm	Ant 5	DSI 6	42190	3460	1	19.41	21.00	1.442	62.9	1.006	-0.17	1.490	2.162
	LTE Band 42	20M	QPSK	1	0	-	Front	0mm	Ant 5	DSI 6	42990	3540	1	19.39	21.00	1.449	62.9	1.006	-0.13	1.530	2.230
	LTE Band 42	20M	QPSK	1	0	-	Back	0mm	Ant 5	DSI 6	42590	3500	1	19.44	21.00	1.432	62.9	1.006	-0.04	1.220	1.758
	LTE Band 42	20M	QPSK	1	0	-	Top Side	0mm	Ant 5	DSI 6	42590	3500	1	19.44	21.00	1.432	62.9	1.006	-0.04	1.230	1.772
	LTE Band 42	20M	QPSK	1	0	-	Front	4mm	Ant 5	DSI 4	42590	3500	1	22.30	24.00	1.479	62.9	1.006	0.17	1.040	1.548
	LTE Band 42	20M	QPSK	1	0	-	Back	8mm	Ant 5	DSI 4	42590	3500	1	22.30	24.00	1.479	62.9	1.006	-0.14	0.625	0.930
	LTE Band 42	20M	QPSK	1	0	-	Top Side	11mm	Ant 5	DSI 4	42590	3500	1	22.30	24.00	1.479	62.9	1.006	-0.04	0.282	0.420
	LTE Band 42	20M	QPSK	50	0	-	Front	0mm	Ant 5	DSI 6	42590	3500	1	19.42	21.00	1.439	62.9	1.006	-0.11	1.570	2.272
	LTE Band 42	20M	QPSK	50	0	-	Front	0mm	Ant 5	DSI 6	42190	3460	1	19.40	21.00	1.445	62.9	1.006	0.16	1.440	2.094
	LTE Band 42	20M	QPSK	50	0	-	Front	0mm	Ant 5	DSI 6	42990	3540	1	19.36	21.00	1.459	62.9	1.006	0.17	1.460	2.143
	LTE Band 42	20M	QPSK	50	0	-	Back	0mm	Ant 5	DSI 6	42590	3500	1	19.42	21.00	1.439	62.9	1.006	-0.05	1.160	1.679
	LTE Band 42	20M	QPSK	50	0	-	Top Side	0mm	Ant 5	DSI 6	42590	3500	1	19.42	21.00	1.439	62.9	1.006	-0.05	1.170	1.693
	LTE Band 42	20M	QPSK	100	0	-	Front	0mm	Ant 5	DSI 6	42590	3500	1	19.39	21.00	1.449	62.9	1.006	0.03	1.460	2.128
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 5	DSI 6	633332	3499.98	1	18.60	19.50	1.230	-	-	0.16	2.010	2.473
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 5	DSI 6	633332	3499.98	1	18.60	19.50	1.230	-	-	0.06	1.290	1.587
	FR1 n78	100M	QPSK	1	1	DFT-30	Right Side	0mm	Ant 5	DSI 4	633332	3499.98	1	22.85	24.00	1.303	-	-	-0.13	1.040	1.355
	FR1 n78	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 5	DSI 6	633332	3499.98	1	18.60	19.50	1.230	-	-	-0.13	1.270	1.562
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	4mm	Ant 5	DSI 4	633332	3499.98	1	22.85	24.00	1.303	-	-	-0.09	1.630	2.124
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	8mm	Ant 5	DSI 4	633332	3499.98	1	22.85	24.00	1.303	-	-	0.06	0.875	1.140
	FR1 n78	100M	QPSK	1	1	DFT-30	Top Side	11mm	Ant 5	DSI 4	633332	3499.98	1	22.85	24.00	1.303	-	-	0.19	0.080	0.104
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 5	DSI 6	633332	3499.98	1	18.57	19.50	1.239	-	-	-0.03	1.870	2.317
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 5	DSI 6	633332	3499.98	1	18.57	19.50	1.239	-	-	0.05	1.270	1.573
	FR1 n78	100M	QPSK	135	69	DFT-30	Right Side	0mm	Ant 5	DSI 4	633332	3499.98	1	22.74	24.00	1.337	-	-	-0.09	1.000	1.337
	FR1 n78	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DSI 6	633332	3499.98	1	18.57	19.50	1.239	-	-	-0.09	1.210	1.499
	FR1 n78	100M	QPSK	270	0	DFT-30	Front	0mm	Ant 5	DSI 6	633332	3499.98	1	18.47	19.50	1.268	-	-	-0.1	1.910	2.421
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 2	DSI 4	633332	3499.98	1	15.16	16.00	1.213	-	-	-0.17	1.820	2.208
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 2	DSI 4	633332	3499.98	1	15.11	16.00	1.227	-	-	-0.05	1.940	2.381
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 2	DSI 4	633332	3499.98	1	15.04	16.00	1.247	-	-	0.08	1.760	2.195
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 8	DSI 4	633332	3499.98	1	20.35	21.00	1.161	-	-	0.17	2.000	2.323
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 8	DSI 4	633332	3499.98	1	20.33	21.00	1.167	-	-	0.04	1.910	2.229
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 8	DSI 4	633332	3499.98	1	20.27	21.00	1.183	-	-	0.13	1.820	2.153
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 1	DSI 6	633332	3499.98	1	17.96	19.00	1.271	-	-	0.14	1.530	1.944
90	FR1 n78	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	DSI 6	633332	3499.98	1	17.96	19.00	1.271	-	-	-0.14	2.170	2.757
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	DSI 6	633332	3499.98	2	17.96	19.00	1.271	-	-	0.03	1.420	1.804
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 1	DSI 6	633332	3499.98	1	17.96	19.00	1.271	-	-	-0.16	1.240	1.576
	FR1 n78	100M	QPSK	1	1	DFT-30	Bottom Side	0mm	Ant 1	DSI 6	633332	3499.98	1	17.96	19.00	1.271	-	-	-0.05	1.020	1.296
	FR1 n78	100M	QPSK	1	1	DFT-30	Front	4mm	Ant 1	DSI 4	633332	3499.98	1	21.67	22.50	1.211	-	-	-0.13	0.880	1.065
	FR1 n78	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 1	DSI 4	633332	3499.98	1	21.67	22.50	1.211	-	-	-0.17	0.416	0.504
	FR1 n78	100M	QPSK	1	1	DFT-30	Left Side	6mm	Ant 1	DSI 4	633332	3499.98	1	21.67	22.50	1.211	-	-	0	0.413	0.500
	FR1 n78	100M	QPSK	1	1	DFT-30	Bottom Side	12mm	Ant 1	DSI 4	633332	3499.98	1	21.67	22.50	1.211	-	-	-0.09	0.234	0.283
	FR1 n78	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 1	DSI 6	633332	3499.98	1	17.92	19.00	1.282	-	-	-0.17	1.500	1.923
	FR1 n78	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 1	DSI 6	633332	3499.98	1	17.92	19.00	1.282	-	-	-0.09	2.050	2.629
	FR1 n78	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 1	DSI 6	633332	3499.98	1	17.92	19.00	1.282	-	-	0.11	1.210	1.552
	FR1 n78	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 1	DSI 6	633332	3499.98	1	17.92	19.00	1.282	-	-	-0.11	1.000	1.282
	FR1 n78	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 1	DSI 6	633332	3499.98	1	17.55	19.00	1.396	-	-	0.02	1.930	2.695



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
WLAN2.4GHz																	
91	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Standalone	1	2412	1	19.60	21.00	1.380	97.46	1.026	-0.13	0.755	1.069
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Simultaneous	1	2412	1	19.00	20.50	1.413	97.46	1.026	0.05	0.653	0.946
WLAN5GHz																	
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	36	5180	1	17.79	19.50	1.482	97.31	1.028	-0.02	0.880	1.341
92	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	36	5180	1	17.79	19.50	1.482	97.31	1.028	-0.05	1.690	2.575
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	44	5220	1	17.70	19.50	1.513	97.31	1.028	0.18	1.610	2.504
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	42	5210	1	13.78	15.50	1.486	89.6	1.116	0.16	0.312	0.517
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	Simultaneous	42	5210	1	13.78	15.50	1.486	89.6	1.116	0.01	0.600	0.995
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 6	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	-0.14	1.520	2.008
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 6	Standalone	60	5300	1	18.32	19.50	1.312	97.31	1.028	0.17	1.390	1.874
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	0.08	1.680	2.219
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	60	5300	1	18.32	19.50	1.312	97.31	1.028	-0.01	1.610	2.171
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 6	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	-0.04	0.381	0.503
93	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	0.08	2.060	2.721
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	64	5320	2	18.41	19.50	1.285	97.31	1.028	0.03	1.380	1.823
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	60	5300	1	18.32	19.50	1.312	97.31	1.028	-0.03	1.940	2.616
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6	Simultaneous	58	5290	1	13.67	15.50	1.524	89.6	1.116	-0.18	0.428	0.728
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	58	5290	1	13.67	15.50	1.524	89.6	1.116	-0.15	0.473	0.804
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6	Simultaneous	58	5290	1	13.67	15.50	1.524	89.6	1.116	-0.16	0.107	0.182
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	Simultaneous	58	5290	1	13.67	15.50	1.524	89.6	1.116	-0.06	0.581	0.988
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 6	Standalone	116	5580	1	18.38	20.00	1.452	97.31	1.028	-0.06	1.080	1.612
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	116	5580	1	18.38	20.00	1.452	97.31	1.028	0.08	1.350	2.014
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	124	5620	1	18.32	20.00	1.472	97.31	1.028	0.06	1.240	1.877
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 6	Standalone	116	5580	1	18.38	20.00	1.452	97.31	1.028	-0.09	0.252	0.376
94	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	116	5580	1	18.38	20.00	1.452	97.31	1.028	-0.01	1.770	2.641
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	124	5620	1	18.32	20.00	1.472	97.31	1.028	-0.18	1.470	2.225
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6	Simultaneous	122	5610	1	13.73	15.50	1.503	89.6	1.116	0.03	0.342	0.574
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	122	5610	1	13.73	15.50	1.503	89.6	1.116	0.04	0.427	0.716
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 6	Simultaneous	122	5610	1	13.73	15.50	1.503	89.6	1.116	-0.19	0.080	0.134
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	Simultaneous	122	5610	1	13.73	15.50	1.503	89.6	1.116	0.13	0.560	0.939
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	149	5745	1	17.40	19.00	1.445	97.31	1.028	-0.03	0.721	1.071
95	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	149	5745	1	17.40	19.00	1.445	97.31	1.028	0.02	1.400	2.079
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	157	5785	1	17.27	19.00	1.489	97.31	1.028	0.17	1.320	2.020
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	155	5775	1	13.86	15.50	1.459	89.6	1.116	0.12	0.287	0.467
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 6	Simultaneous	155	5775	1	13.86	15.50	1.459	89.6	1.116	0.16	0.557	0.907

16.5 Repeated SAR Measurement

<1g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	11	2462	1	15.90	17.00	1.288	97.46	1.026	-0.08	0.839	1	1.109
2st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	11	2462	1	15.90	17.00	1.288	97.46	1.026	-0.06	0.817	1.027	1.080
1st	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	0.03	0.864	1	1.206
2st	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	1	22.55	24.00	1.396	-	-	0.01	0.855	1.011	1.194
1st	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 7	166300	831.5	1	22.49	23.50	1.262	-	-	-0.04	1.010	1	1.274
2st	FR1 n26	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 7	166300	831.5	1	22.49	23.50	1.262	-	-	0.04	0.975	1.036	1.230
1st	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	349000	1745	1	17.27	18.50	1.327	-	-	0.04	0.888	1	1.179
2st	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 7	349000	1745	1	17.27	18.50	1.327	-	-	0.03	0.855	1.039	1.135
1st	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 7	507000	2535	1	18.96	20.00	1.271	-	-	-0.12	1.000	1	1.271
2st	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 7	507000	2535	1	18.96	20.00	1.271	-	-	0.08	0.975	1.026	1.239
1st	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI 7	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.08	1.030	1	1.282
2st	FR1 n78	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 1	DSI 7	633332	3499.98	1	16.55	17.50	1.245	-	-	-0.05	1.000	1.030	1.245
1st	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 3	372000	1860	1	16.73	18.00	1.340	-	-	0.19	0.949	1	1.271
2st	FR1 n2	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 0	DSI 3	372000	1860	1	16.73	18.00	1.340	-	-	0.08	0.928	1.023	1.243

<10g>

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)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	4233	846.6	1	22.67	24.00	1.358	-	-	-0.04	2.330	1	3.165
2st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	4233	846.6	1	22.67	24.00	1.358	-	-	-0.03	2.270	1.026	3.083
1st	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	21.80	23.00	1.318	-	-	0.08	2.410	1	3.177
2st	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	21.80	23.00	1.318	-	-	0.08	2.370	1.017	3.124
1st	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	376000	1880	1	20.36	21.50	1.300	-	-	0.06	2.380	1	3.094
2st	FR1 n2	20M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	376000	1880	1	20.36	21.50	1.300	-	-	0.06	2.340	1.017	3.042
1st	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	1	19.78	21.00	1.324	-	-	0.09	2.250	1	2.980
2st	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	21100	2535	1	19.78	21.00	1.324	-	-	0.09	2.190	1.027	2.900
1st	FR1 n78	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	DSI 6	633332	3499.98	1	17.96	19.00	1.271	-	-	-0.14	2.170	1	2.757
2st	FR1 n78	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 1	DSI 6	633332	3499.98	1	17.96	19.00	1.271	-	-	-0.14	2.110	1.028	2.681
1st	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	0.08	2.060	1	2.721
2st	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	64	5320	1	18.41	19.50	1.285	97.31	1.028	0.07	2.020	1.020	2.668

General Note:

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

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	WWAN + WLAN2.4GHz + NFC				Yes
5.	WWAN + WLAN5GHz + NFC				Yes
6.	WWAN + Bluetooth + NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can't transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for head each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- The maximum SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - The SPLSR calculated results please refer to section 17.6.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- i. A and C are decoupled based on the SPLSR criteria, and
- ii. $(100-x)\% * B + C \leq 1.0$, and
- iii. $x\% * A + (100-x)\% * B \leq 1.0$

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

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



17.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10	1+17
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Bluetooth Ant 6	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)
GSM850 Ant 0	Right Cheek	0.704	0.154	0.240	0.133	0.86	0.94	0.84
	Right Tilted	0.384	0.152	0.264	0.130	0.54	0.65	0.51
	Left Cheek	0.640	0.406	0.351	0.358	1.05	0.99	1.00
	Left Tilted	0.325	0.343	0.393	0.314	0.67	0.72	0.64
GSM1900 Ant 0	Right Cheek	0.230	0.154	0.240	0.133	0.38	0.47	0.36
	Right Tilted	0.121	0.152	0.264	0.130	0.27	0.39	0.25
	Left Cheek	0.138	0.406	0.351	0.358	0.54	0.49	0.50
	Left Tilted	0.143	0.343	0.393	0.314	0.49	0.54	0.46
WCDMA V Ant 0	Right Cheek	0.529	0.154	0.240	0.133	0.68	0.77	0.66
	Right Tilted	0.240	0.152	0.264	0.130	0.39	0.50	0.37
	Left Cheek	0.476	0.406	0.351	0.358	0.88	0.83	0.83
	Left Tilted	0.210	0.343	0.393	0.314	0.55	0.60	0.52
WCDMA IV Ant 0	Right Cheek	0.157	0.154	0.240	0.133	0.31	0.40	0.29
	Right Tilted	0.061	0.152	0.264	0.130	0.21	0.33	0.19
	Left Cheek	0.066	0.406	0.351	0.358	0.47	0.42	0.42
	Left Tilted	0.034	0.343	0.393	0.314	0.38	0.43	0.35
WCDMA II Ant 0	Right Cheek	0.383	0.154	0.240	0.133	0.54	0.62	0.52
	Right Tilted	0.229	0.152	0.264	0.130	0.38	0.49	0.36
	Left Cheek	0.300	0.406	0.351	0.358	0.71	0.65	0.66
	Left Tilted	0.316	0.343	0.393	0.314	0.66	0.71	0.63
LTE Band 12 Ant 4	Right Cheek	0.814	0.154	0.240	0.133	0.97	1.05	0.95
	Right Tilted	0.806	0.152	0.264	0.130	0.96	1.07	0.94
	Left Cheek	0.730	0.406	0.351	0.358	1.14	1.08	1.09
	Left Tilted	0.723	0.343	0.393	0.314	1.07	1.12	1.04
LTE Band 12 Ant 0	Right Cheek	0.419	0.154	0.240	0.133	0.57	0.66	0.55
	Right Tilted	0.246	0.152	0.264	0.130	0.40	0.51	0.38
	Left Cheek	0.359	0.406	0.351	0.358	0.77	0.71	0.72
	Left Tilted	0.209	0.343	0.393	0.314	0.55	0.60	0.52
LTE Band 13 Ant 4	Right Cheek	0.727	0.154	0.240	0.133	0.88	0.97	0.86
	Right Tilted	0.700	0.152	0.264	0.130	0.85	0.96	0.83
	Left Cheek	0.617	0.406	0.351	0.358	1.02	0.97	0.98
	Left Tilted	0.606	0.343	0.393	0.314	0.95	1.00	0.92
LTE Band 13 Ant 0	Right Cheek	0.554	0.154	0.240	0.133	0.71	0.79	0.69
	Right Tilted	0.304	0.152	0.264	0.130	0.46	0.57	0.43
	Left Cheek	0.450	0.406	0.351	0.358	0.86	0.80	0.81
	Left Tilted	0.244	0.343	0.393	0.314	0.59	0.64	0.56
LTE Band 26 Ant 4	Right Cheek	0.769	0.154	0.240	0.133	0.92	1.01	0.90
	Right Tilted	0.655	0.152	0.264	0.130	0.81	0.92	0.79
	Left Cheek	0.616	0.406	0.351	0.358	1.02	0.97	0.97
	Left Tilted	0.598	0.343	0.393	0.314	0.94	0.99	0.91
LTE Band 26 Ant 0	Right Cheek	0.480	0.154	0.240	0.133	0.63	0.72	0.61
	Right Tilted	0.299	0.152	0.264	0.130	0.45	0.56	0.43
	Left Cheek	0.449	0.406	0.351	0.358	0.86	0.80	0.81
	Left Tilted	0.239	0.343	0.393	0.314	0.58	0.63	0.55
LTE Band 66 Ant 4	Right Cheek	0.736	0.154	0.240	0.133	0.89	0.98	0.87
	Right Tilted	0.933	0.152	0.264	0.130	1.09	1.20	1.06
	Left Cheek	0.628	0.406	0.351	0.358	1.03	0.98	0.99
	Left Tilted	0.679	0.343	0.393	0.314	1.02	1.07	0.99
LTE Band 66	Right Cheek	0.131	0.154	0.240	0.133	0.29	0.37	0.26



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Ant 0	Right Tilted	0.014	0.152	0.264	0.130	0.17	0.28	0.14
	Left Cheek	0.062	0.406	0.351	0.358	0.47	0.41	0.42
	Left Tilted	0.010	0.343	0.393	0.314	0.35	0.40	0.32
LTE Band 25 Ant 4	Right Cheek	0.683	0.154	0.240	0.133	0.84	0.92	0.82
	Right Tilted	0.870	0.152	0.264	0.130	1.02	1.13	1.00
	Left Cheek	0.544	0.406	0.351	0.358	0.95	0.90	0.90
	Left Tilted	0.628	0.343	0.393	0.314	0.97	1.02	0.94
LTE Band 25 Ant 0	Right Cheek	0.269	0.154	0.240	0.133	0.42	0.51	0.40
	Right Tilted	0.163	0.152	0.264	0.130	0.32	0.43	0.29
	Left Cheek	0.201	0.406	0.351	0.358	0.61	0.55	0.56
	Left Tilted	0.219	0.343	0.393	0.314	0.56	0.61	0.53
LTE Band 7 Ant 1	Right Cheek	0.505	0.154	0.240	0.133	0.66	0.75	0.64
	Right Tilted	0.446	0.152	0.264	0.130	0.60	0.71	0.58
	Left Cheek	0.657	0.406	0.351	0.358	1.06	1.01	1.02
	Left Tilted	0.227	0.343	0.393	0.314	0.57	0.62	0.54
LTE Band 41 Ant 4	Right Cheek	0.839	0.154	0.240	0.133	0.99	1.08	0.97
	Right Tilted	0.783	0.152	0.264	0.130	0.94	1.05	0.91
	Left Cheek	0.229	0.406	0.351	0.358	0.64	0.58	0.59
	Left Tilted	0.261	0.343	0.393	0.314	0.60	0.65	0.58
LTE Band 41 Ant 1	Right Cheek	0.397	0.154	0.240	0.133	0.55	0.64	0.53
	Right Tilted	0.324	0.152	0.264	0.130	0.48	0.59	0.45
	Left Cheek	0.585	0.406	0.351	0.358	0.99	0.94	0.94
	Left Tilted	0.202	0.343	0.393	0.314	0.55	0.60	0.52
LTE Band 42 Ant 5	Right Cheek	0.496	0.154	0.240	0.133	0.65	0.74	0.63
	Right Tilted	0.488	0.152	0.264	0.130	0.64	0.75	0.62
	Left Cheek	0.861	0.406	0.351	0.358	1.27	1.21	1.22
	Left Tilted	0.646	0.343	0.393	0.314	0.99	1.04	0.96
FR1 n26 Ant 4	Right Cheek	0.901	0.154	0.240	0.133	1.06	1.14	1.03
	Right Tilted	0.853	0.152	0.264	0.130	1.01	1.12	0.98
	Left Cheek	0.826	0.406	0.351	0.358	1.23	1.18	1.18
	Left Tilted	0.807	0.343	0.393	0.314	1.15	1.20	1.12
FR1 n26 Ant 0	Right Cheek	0.373	0.154	0.240	0.133	0.53	0.61	0.51
	Right Tilted	0.192	0.152	0.264	0.130	0.34	0.46	0.32
	Left Cheek	0.336	0.406	0.351	0.358	0.74	0.69	0.69
	Left Tilted	0.169	0.343	0.393	0.314	0.51	0.56	0.48
FR1 n66 Ant 4	Right Cheek	0.739	0.154	0.240	0.133	0.89	0.98	0.87
	Right Tilted	0.926	0.152	0.264	0.130	1.08	1.19	1.06
	Left Cheek	0.581	0.406	0.351	0.358	0.99	0.93	0.94
	Left Tilted	0.661	0.343	0.393	0.314	1.00	1.05	0.98
FR1 n66 Ant 0	Right Cheek	0.121	0.154	0.240	0.133	0.28	0.36	0.25
	Right Tilted	0.062	0.152	0.264	0.130	0.21	0.33	0.19
	Left Cheek	0.075	0.406	0.351	0.358	0.48	0.43	0.43
	Left Tilted	0.043	0.343	0.393	0.314	0.39	0.44	0.36
FR1 n2 Ant 4	Right Cheek	0.738	0.154	0.240	0.133	0.89	0.98	0.87
	Right Tilted	0.864	0.152	0.264	0.130	1.02	1.13	0.99
	Left Cheek	0.593	0.406	0.351	0.358	1.00	0.94	0.95
	Left Tilted	0.648	0.343	0.393	0.314	0.99	1.04	0.96
FR1 n2 Ant 0	Right Cheek	0.189	0.154	0.240	0.133	0.34	0.43	0.32
	Right Tilted	0.117	0.152	0.264	0.130	0.27	0.38	0.25
	Left Cheek	0.128	0.406	0.351	0.358	0.53	0.48	0.49
	Left Tilted	0.150	0.343	0.393	0.314	0.49	0.54	0.46
FR1 n7 Ant 4	Right Cheek	0.914	0.154	0.240	0.133	1.07	1.15	1.05
	Right Tilted	0.769	0.152	0.264	0.130	0.92	1.03	0.90
	Left Cheek	0.239	0.406	0.351	0.358	0.65	0.59	0.60
	Left Tilted	0.303	0.343	0.393	0.314	0.65	0.70	0.62
FR1 n7 Ant 1	Right Cheek	0.368	0.154	0.240	0.133	0.52	0.61	0.50



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	Right Tilted	0.303	0.152	0.264	0.130	0.46	0.57	0.43
	Left Cheek	0.600	0.406	0.351	0.358	1.01	0.95	0.96
	Left Tilted	0.183	0.343	0.393	0.314	0.53	0.58	0.50
FR1 n41 Ant 4	Right Cheek	0.852	0.154	0.240	0.133	1.01	1.09	0.99
	Right Tilted	0.756	0.152	0.264	0.130	0.91	1.02	0.89
	Left Cheek	0.256	0.406	0.351	0.358	0.66	0.61	0.61
	Left Tilted	0.291	0.343	0.393	0.314	0.63	0.68	0.61
FR1 n78 Ant 5	Right Cheek	0.650	0.154	0.240	0.133	0.80	0.89	0.78
	Right Tilted	0.621	0.152	0.264	0.130	0.77	0.89	0.75
	Left Cheek	0.936	0.406	0.351	0.358	1.34	1.29	1.29
	Left Tilted	0.916	0.343	0.393	0.314	1.26	1.31	1.23
FR1 n78 Ant 2	Right Cheek	0.283	0.154	0.240	0.133	0.44	0.52	0.42
	Right Tilted	0.167	0.152	0.264	0.130	0.32	0.43	0.30
	Left Cheek	0.140	0.406	0.351	0.358	0.55	0.49	0.50
	Left Tilted	0.077	0.343	0.393	0.314	0.42	0.47	0.39
FR1 n78 Ant 8	Right Cheek	0.169	0.154	0.240	0.133	0.32	0.41	0.30
	Right Tilted	0.069	0.152	0.264	0.130	0.22	0.33	0.20
	Left Cheek	0.199	0.406	0.351	0.358	0.61	0.55	0.56
	Left Tilted	0.093	0.343	0.393	0.314	0.44	0.49	0.41
FR1 n78 Ant 1	Right Cheek	0.326	0.154	0.240	0.133	0.48	0.57	0.46
	Right Tilted	0.534	0.152	0.264	0.130	0.69	0.80	0.66
	Left Cheek	0.466	0.406	0.351	0.358	0.87	0.82	0.82
	Left Tilted	0.271	0.343	0.393	0.314	0.61	0.66	0.59

17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10	1+17	Case No
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 6 1g SAR (W/kg)	WLAN5GHz Ant 6 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)	
GSM850 Ant 0	Front	0.617	0.600	0.260	0.319	1.22	0.88	0.94	
	Back	1.249	0.728	0.593	0.495	1.98	1.84	1.74	Case 1/2/3
	Left side	0.283				0.28	0.28	0.28	
	Right side	0.540	0.459	0.206	0.286	1.00	0.75	0.83	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	0.730				0.73	0.73	0.73	
GSM1900 Ant 0	Front	0.629	0.600	0.260	0.319	1.23	0.89	0.95	
	Back	0.915	0.728	0.593	0.495	1.64	1.51	1.41	Case 4
	Left side	0.091				0.09	0.09	0.09	
	Right side	0.233	0.459	0.206	0.286	0.69	0.44	0.52	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.275				1.28	1.28	1.28	
WCDMA V Ant 0	Front	0.478	0.600	0.260	0.319	1.08	0.74	0.80	
	Back	1.160	0.728	0.593	0.495	1.89	1.75	1.66	Case 5/6/7
	Left side	0.094				0.09	0.09	0.09	
	Right side	0.179	0.459	0.206	0.286	0.64	0.39	0.47	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	0.921				0.92	0.92	0.92	
WCDMA IV Ant 0	Front	0.460	0.600	0.260	0.319	1.06	0.72	0.78	
	Back	0.724	0.728	0.593	0.495	1.45	1.32	1.22	
	Left side	0.013				0.01	0.01	0.01	
	Right side	0.158	0.459	0.206	0.286	0.62	0.36	0.44	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.161				1.16	1.16	1.16	
WCDMA II Ant 0	Front	0.522	0.600	0.260	0.319	1.12	0.78	0.84	
	Back	0.865	0.728	0.593	0.495	1.59	1.46	1.36	
	Left side	0.063				0.06	0.06	0.06	
	Right side	0.179	0.459	0.206	0.286	0.64	0.39	0.47	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.153				1.15	1.15	1.15	
LTE Band 12 Ant 4	Front	0.176	0.600	0.260	0.319	0.78	0.44	0.50	
	Back	0.525	0.728	0.593	0.495	1.25	1.12	1.02	
	Left side	0.138				0.14	0.14	0.14	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.293	0.503	0.739	0.305	0.80	1.03	0.60	
	Bottom side					0.00	0.00	0.00	
LTE Band 12 Ant 0	Front	0.571	0.600	0.260	0.319	1.17	0.83	0.89	
	Back	1.206	0.728	0.593	0.495	1.93	1.80	1.70	Case 8/9/10
	Left side	0.404				0.40	0.40	0.40	
	Right side	0.871	0.459	0.206	0.286	1.33	1.08	1.16	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	0.690				0.69	0.69	0.69	
LTE Band 13 Ant 4	Front	0.284	0.600	0.260	0.319	0.88	0.54	0.60	
	Back	0.531	0.728	0.593	0.495	1.26	1.12	1.03	
	Left side	0.139				0.14	0.14	0.14	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.312	0.503	0.739	0.305	0.82	1.05	0.62	
	Bottom side					0.00	0.00	0.00	



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LTE Band 13 Ant 0	Front	0.617	0.600	0.260	0.319	1.22	0.88	0.94	
	Back	1.208	0.728	0.593	0.495	1.94	1.80	1.70	Case 11/12/13
	Left side	0.401				0.40	0.40	0.40	
	Right side	0.824	0.459	0.206	0.286	1.28	1.03	1.11	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	0.808				0.81	0.81	0.81	
LTE Band 26 Ant 4	Front	0.354	0.600	0.260	0.319	0.95	0.61	0.67	
	Back	0.576	0.728	0.593	0.495	1.30	1.17	1.07	
	Left side	0.125				0.13	0.13	0.13	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.556	0.503	0.739	0.305	1.06	1.30	0.86	
	Bottom side					0.00	0.00	0.00	
LTE Band 26 Ant 0	Front	0.535	0.600	0.260	0.319	1.14	0.80	0.85	
	Back	1.173	0.728	0.593	0.495	1.90	1.77	1.67	Case 14/15/16
	Left side	0.274				0.27	0.27	0.27	
	Right side	0.509	0.459	0.206	0.286	0.97	0.72	0.80	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.044				1.04	1.04	1.04	
LTE Band 66 Ant 4	Front	0.340	0.600	0.260	0.319	0.94	0.60	0.66	
	Back	0.446	0.728	0.593	0.495	1.17	1.04	0.94	
	Left side	0.077				0.08	0.08	0.08	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.581	0.503	0.739	0.305	1.08	1.32	0.89	
	Bottom side					0.00	0.00	0.00	
LTE Band 66 Ant 0	Front	0.531	0.600	0.260	0.319	1.13	0.79	0.85	
	Back	0.788	0.728	0.593	0.495	1.52	1.38	1.28	
	Left side	0.014				0.01	0.01	0.01	
	Right side	0.198	0.459	0.206	0.286	0.66	0.40	0.48	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.157				1.16	1.16	1.16	
LTE Band 25 Ant 4	Front	0.356	0.600	0.260	0.319	0.96	0.62	0.68	
	Back	0.429	0.728	0.593	0.495	1.16	1.02	0.92	
	Left side	0.085				0.09	0.09	0.09	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.591	0.503	0.739	0.305	1.09	1.33	0.90	
	Bottom side					0.00	0.00	0.00	
LTE Band 25 Ant 0	Front	0.533	0.600	0.260	0.319	1.13	0.79	0.85	
	Back	0.836	0.728	0.593	0.495	1.56	1.43	1.33	
	Left side	0.065				0.07	0.07	0.07	
	Right side	0.159	0.459	0.206	0.286	0.62	0.37	0.45	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.170				1.17	1.17	1.17	
LTE Band 7 Ant 1	Front	1.051	0.600	0.260	0.319	1.65	1.31	1.37	Case 17
	Back	1.158	0.728	0.593	0.495	1.89	1.75	1.65	Case 18/19/20
	Left side	0.647				0.65	0.65	0.65	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	0.927				0.93	0.93	0.93	
LTE Band 41 Ant 4	Front	0.318	0.600	0.260	0.319	0.92	0.58	0.64	
	Back	0.486	0.728	0.593	0.495	1.21	1.08	0.98	
	Left side	0.343				0.34	0.34	0.34	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.594	0.503	0.739	0.305	1.10	1.33	0.90	
	Bottom side					0.00	0.00	0.00	
LTE Band 41 Ant 1	Front	1.172	0.600	0.260	0.319	1.77	1.43	1.49	Case 21
	Back	1.234	0.728	0.593	0.495	1.96	1.83	1.73	Case 22/23/24



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	Left side	0.567				0.57	0.57	0.57	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.092				1.09	1.09	1.09	
LTE Band 42 Ant 5	Front	0.321	0.600	0.260	0.319	0.92	0.58	0.64	
	Back	0.609	0.728	0.593	0.495	1.34	1.20	1.10	
	Left side					0.00	0.00	0.00	
	Right side	0.110	0.459	0.206	0.286	0.57	0.32	0.40	
	Top side	0.269	0.503	0.739	0.305	0.77	1.01	0.57	
	Bottom side					0.00	0.00	0.00	
FR1 n26 Ant 4	Front	0.195	0.600	0.260	0.319	0.80	0.46	0.51	
	Back	0.576	0.728	0.593	0.495	1.30	1.17	1.07	
	Left side	0.075				0.08	0.08	0.08	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.421	0.503	0.739	0.305	0.92	1.16	0.73	
	Bottom side					0.00	0.00	0.00	
FR1 n26 Ant 0	Front	0.651	0.600	0.260	0.319	1.25	0.91	0.97	
	Back	1.274	0.728	0.593	0.495	2.00	1.87	1.77	Case 25/26/27
	Left side	0.293				0.29	0.29	0.29	
	Right side	0.659	0.459	0.206	0.286	1.12	0.87	0.95	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.008				1.01	1.01	1.01	
FR1 n66 Ant 4	Front	0.307	0.600	0.260	0.319	0.91	0.57	0.63	
	Back	0.475	0.728	0.593	0.495	1.20	1.07	0.97	
	Left side	0.119				0.12	0.12	0.12	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.608	0.503	0.739	0.305	1.11	1.35	0.91	
	Bottom side					0.00	0.00	0.00	
FR1 n66 Ant 0	Front	0.568	0.600	0.260	0.319	1.17	0.83	0.89	
	Back	0.711	0.728	0.593	0.495	1.44	1.30	1.21	
	Left side	0.011				0.01	0.01	0.01	
	Right side	0.191	0.459	0.206	0.286	0.65	0.40	0.48	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.179				1.18	1.18	1.18	
FR1 n2 Ant 4	Front	0.275	0.600	0.260	0.319	0.88	0.54	0.59	
	Back	0.432	0.728	0.593	0.495	1.16	1.03	0.93	
	Left side	0.089				0.09	0.09	0.09	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.612	0.503	0.739	0.305	1.12	1.35	0.92	
	Bottom side					0.00	0.00	0.00	
FR1 n2 Ant 0	Front	0.572	0.600	0.260	0.319	1.17	0.83	0.89	
	Back	0.925	0.728	0.593	0.495	1.65	1.52	1.42	Case 28
	Left side	0.057				0.06	0.06	0.06	
	Right side	0.189	0.459	0.206	0.286	0.65	0.40	0.48	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	1.284				1.28	1.28	1.28	
FR1 n7 Ant 4	Front	0.260	0.600	0.260	0.319	0.86	0.52	0.58	
	Back	0.409	0.728	0.593	0.495	1.14	1.00	0.90	
	Left side	0.216				0.22	0.22	0.22	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.610	0.503	0.739	0.305	1.11	1.35	0.92	
	Bottom side					0.00	0.00	0.00	
FR1 n7 Ant 1	Front	1.211	0.600	0.260	0.319	1.81	1.47	1.53	Case 29
	Back	1.271	0.728	0.593	0.495	2.00	1.86	1.77	Case 30/31/32
	Left side	0.727				0.73	0.73	0.73	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	

	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	0.912				0.91	0.91	0.91	
FR1 n41 Ant 4	Front	0.310	0.600	0.260	0.319	0.91	0.57	0.63	
	Back	0.507	0.728	0.593	0.495	1.24	1.10	1.00	
	Left side	0.234				0.23	0.23	0.23	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.610	0.503	0.739	0.305	1.11	1.35	0.92	
	Bottom side					0.00	0.00	0.00	
FR1 n78 Ant 5	Front	0.293	0.600	0.260	0.319	0.89	0.55	0.61	
	Back	0.614	0.728	0.593	0.495	1.34	1.21	1.11	
	Left side					0.00	0.00	0.00	
	Right side	0.119	0.459	0.206	0.286	0.58	0.33	0.41	
	Top side	0.304	0.503	0.739	0.305	0.81	1.04	0.61	
	Bottom side					0.00	0.00	0.00	
FR1 n78 Ant 2	Front	0.072	0.600	0.260	0.319	0.67	0.33	0.39	
	Back	0.598	0.728	0.593	0.495	1.33	1.19	1.09	
	Left side	0.150				0.15	0.15	0.15	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side	0.012	0.503	0.739	0.305	0.52	0.75	0.32	
	Bottom side					0.00	0.00	0.00	
FR1 n78 Ant 8	Front	0.041	0.600	0.260	0.319	0.64	0.30	0.36	
	Back	0.610	0.728	0.593	0.495	1.34	1.20	1.11	
	Left side					0.00	0.00	0.00	
	Right side	0.128	0.459	0.206	0.286	0.59	0.33	0.41	
	Top side	0.008	0.503	0.739	0.305	0.51	0.75	0.31	
	Bottom side					0.00	0.00	0.00	
FR1 n78 Ant 1	Front	0.967	0.600	0.260	0.319	1.57	1.23	1.29	
	Back	1.282	0.728	0.593	0.495	2.01	1.88	1.78	Case 33/34/35
	Left side	0.636				0.64	0.64	0.64	
	Right side		0.459	0.206	0.286	0.46	0.21	0.29	
	Top side		0.503	0.739	0.305	0.50	0.74	0.31	
	Bottom side	0.767				0.77	0.77	0.77	



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3	1+10	1+17	Case No
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 6 1g SAR (W/kg)	WLAN5GHz Ant 6 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)	
GSM850 Ant 0	Front	0.617	0.322	0.228	0.319	0.94	0.85	0.94	
	Back	1.249	0.390	0.397	0.495	1.64	1.65	1.74	Case 36/37/38
GSM1900 Ant 0	Front	0.782	0.322	0.228	0.319	1.10	1.01	1.10	
	Back	1.050	0.390	0.397	0.495	1.44	1.45	1.55	
WCDMA V Ant 0	Front	0.478	0.322	0.228	0.319	0.80	0.71	0.80	
	Back	1.160	0.390	0.397	0.495	1.55	1.56	1.66	Case 39
WCDMA IV Ant 0	Front	0.633	0.322	0.228	0.319	0.96	0.86	0.95	
	Back	1.144	0.390	0.397	0.495	1.53	1.54	1.64	Case 40
WCDMA II Ant 0	Front	0.722	0.322	0.228	0.319	1.04	0.95	1.04	
	Back	1.172	0.390	0.397	0.495	1.56	1.57	1.67	Case 41
LTE Band 12 Ant 4	Front	0.176	0.322	0.228	0.319	0.50	0.40	0.50	
	Back	0.525	0.390	0.397	0.495	0.92	0.92	1.02	
LTE Band 12 Ant 0	Front	0.571	0.322	0.228	0.319	0.89	0.80	0.89	
	Back	1.206	0.390	0.397	0.495	1.60	1.60	1.70	Case 42/43/44
LTE Band 13 Ant 4	Front	0.284	0.322	0.228	0.319	0.61	0.51	0.60	
	Back	0.531	0.390	0.397	0.495	0.92	0.93	1.03	
LTE Band 13 Ant 0	Front	0.617	0.322	0.228	0.319	0.94	0.85	0.94	
	Back	1.208	0.390	0.397	0.495	1.60	1.61	1.70	Case 45/46/47
LTE Band 26 Ant 4	Front	0.494	0.322	0.228	0.319	0.82	0.72	0.81	
	Back	0.877	0.390	0.397	0.495	1.27	1.27	1.37	
LTE Band 26 Ant 0	Front	0.535	0.322	0.228	0.319	0.86	0.76	0.85	
	Back	1.173	0.390	0.397	0.495	1.56	1.57	1.67	Case 48
LTE Band 66 Ant 4	Front	0.672	0.322	0.228	0.319	0.99	0.90	0.99	
	Back	0.913	0.390	0.397	0.495	1.30	1.31	1.41	
LTE Band 66 Ant 0	Front	0.772	0.322	0.228	0.319	1.09	1.00	1.09	
	Back	1.257	0.390	0.397	0.495	1.65	1.65	1.75	Case 49/50/51
LTE Band 25 Ant 4	Front	0.696	0.322	0.228	0.319	1.02	0.92	1.02	
	Back	0.863	0.390	0.397	0.495	1.25	1.26	1.36	
LTE Band 25 Ant 0	Front	0.782	0.322	0.228	0.319	1.10	1.01	1.10	
	Back	1.225	0.390	0.397	0.495	1.62	1.62	1.72	Case 52/53/54
LTE Band 7 Ant 1	Front	1.051	0.322	0.228	0.319	1.37	1.28	1.37	
	Back	1.158	0.390	0.397	0.495	1.55	1.56	1.65	Case 55
LTE Band 41 Ant 4	Front	0.551	0.322	0.228	0.319	0.87	0.78	0.87	
	Back	0.899	0.390	0.397	0.495	1.29	1.30	1.39	
LTE Band 41 Ant 1	Front	1.172	0.322	0.228	0.319	1.49	1.40	1.49	
	Back	1.234	0.390	0.397	0.495	1.62	1.63	1.73	Case 56/57/58
LTE Band 42 Ant 5	Front	0.413	0.322	0.228	0.319	0.74	0.64	0.73	
	Back	0.931	0.390	0.397	0.495	1.32	1.33	1.43	
FR1 n26 Ant 4	Front	0.271	0.322	0.228	0.319	0.59	0.50	0.59	
	Back	0.848	0.390	0.397	0.495	1.24	1.25	1.34	
FR1 n26 Ant 0	Front	0.651	0.322	0.228	0.319	0.97	0.88	0.97	
	Back	1.274	0.390	0.397	0.495	1.66	1.67	1.77	Case 59/60/61
FR1 n66 Ant 4	Front	0.597	0.322	0.228	0.319	0.92	0.83	0.92	
	Back	0.926	0.390	0.397	0.495	1.32	1.32	1.42	
FR1 n66 Ant 0	Front	0.924	0.322	0.228	0.319	1.25	1.15	1.24	
	Back	1.156	0.390	0.397	0.495	1.55	1.55	1.65	Case 62
FR1 n2 Ant 4	Front	0.541	0.322	0.228	0.319	0.86	0.77	0.86	
	Back	0.934	0.390	0.397	0.495	1.32	1.33	1.43	
FR1 n2 Ant 0	Front	0.788	0.322	0.228	0.319	1.11	1.02	1.11	
	Back	1.271	0.390	0.397	0.495	1.66	1.67	1.77	Case 63/64/65



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FR1 n7 Ant 4	Front	0.590	0.322	0.228	0.319	0.91	0.82	0.91	
	Back	0.925	0.390	0.397	0.495	1.32	1.32	1.42	
FR1 n7 Ant 1	Front	1.211	0.322	0.228	0.319	1.53	1.44	1.53	
	Back	1.271	0.390	0.397	0.495	1.66	1.67	1.77	Case 66/67/68
FR1 n41 Ant 4	Front	0.570	0.322	0.228	0.319	0.89	0.80	0.89	
	Back	0.935	0.390	0.397	0.495	1.33	1.33	1.43	
FR1 n78 Ant 5	Front	0.396	0.322	0.228	0.319	0.72	0.62	0.72	
	Back	0.931	0.390	0.397	0.495	1.32	1.33	1.43	
FR1 n78 Ant 2	Front	0.102	0.322	0.228	0.319	0.42	0.33	0.42	
	Back	0.907	0.390	0.397	0.495	1.30	1.30	1.40	
FR1 n78 Ant 8	Front	0.058	0.322	0.228	0.319	0.38	0.29	0.38	
	Back	0.925	0.390	0.397	0.495	1.32	1.32	1.42	
FR1 n78 Ant 1	Front	0.967	0.322	0.228	0.319	1.29	1.20	1.29	
	Back	1.282	0.390	0.397	0.495	1.67	1.68	1.78	Case 69/70/71

<Sensor off>

WWAN Band	Exposure Position	1	3	10	1+3	1+10
		WWAN	WLAN2.4GHz Ant 6	WLAN5GHz Ant 6	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Front	0.553	0.270	0.438	0.82	0.99
	Back	0.654	0.149	0.445	0.80	1.10
GSM1900 Ant 0	Front	0.747	0.270	0.438	1.02	1.19
	Back	0.593	0.149	0.445	0.74	1.04
WCDMA V Ant 0	Front	0.426	0.270	0.438	0.70	0.86
	Back	0.444	0.149	0.445	0.59	0.89
WCDMA IV Ant 0	Front	0.954	0.270	0.438	1.22	1.39
	Back	0.777	0.149	0.445	0.93	1.22
WCDMA II Ant 0	Front	1.155	0.270	0.438	1.43	1.59
	Back	1.124	0.149	0.445	1.27	1.57
LTE Band 26 Ant 0	Front	0.376	0.270	0.438	0.65	0.81
	Back	0.390	0.149	0.445	0.54	0.84
LTE Band 66 Ant 4	Front	0.590	0.270	0.438	0.86	1.03
	Back	0.517	0.149	0.445	0.67	0.96
LTE Band 66 Ant 0	Front	0.726	0.270	0.438	1.00	1.16
	Back	0.633	0.149	0.445	0.78	1.08
LTE Band 25 Ant 4	Front	0.480	0.270	0.438	0.75	0.92
	Back	0.358	0.149	0.445	0.51	0.80
LTE Band 25 Ant 0	Front	1.150	0.270	0.438	1.42	1.59
	Back	0.913	0.149	0.445	1.06	1.36
LTE Band 7 Ant 1	Front	0.886	0.270	0.438	1.16	1.32
	Back	0.550	0.149	0.445	0.70	1.00
LTE Band 41 Ant 4	Front	0.521	0.270	0.438	0.79	0.96
	Back	0.388	0.149	0.445	0.54	0.83
LTE Band 41 Ant 1	Front	0.369	0.270	0.438	0.64	0.81
	Back	0.246	0.149	0.445	0.40	0.69
LTE Band 42 Ant 5	Front	0.601	0.270	0.438	0.87	1.04
	Back	0.321	0.149	0.445	0.47	0.77
FR1 n26 Ant 0	Front	0.260	0.270	0.438	0.53	0.70
	Back	0.257	0.149	0.445	0.41	0.70
FR1 n66 Ant 4	Front	0.388	0.270	0.438	0.66	0.83
	Back	0.341	0.149	0.445	0.49	0.79
FR1 n66 Ant 0	Front	0.563	0.270	0.438	0.83	1.00
	Back	0.494	0.149	0.445	0.64	0.94
FR1 n2 Ant 4	Front	0.360	0.270	0.438	0.63	0.80
	Back	0.254	0.149	0.445	0.40	0.70



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FR1 n2 Ant 0	Front	0.725	0.270	0.438	1.00	1.16
	Back	0.608	0.149	0.445	0.76	1.05
FR1 n7 Ant 4	Front	0.787	0.270	0.438	1.06	1.23
	Back	0.595	0.149	0.445	0.74	1.04
FR1 n7 Ant 1	Front	0.751	0.270	0.438	1.02	1.19
	Back	0.471	0.149	0.445	0.62	0.92
FR1 n41 Ant 4	Front	0.711	0.270	0.438	0.98	1.15
	Back	0.523	0.149	0.445	0.67	0.97
FR1 n78 Ant 5	Front	0.912	0.270	0.438	1.18	1.35
	Back	0.497	0.149	0.445	0.65	0.94
FR1 n78 Ant 2	Front	0.012	0.270	0.438	0.28	0.45
	Back	0.114	0.149	0.445	0.26	0.56
FR1 n78 Ant 8	Front	0.049	0.270	0.438	0.32	0.49
	Back	0.905	0.149	0.445	1.05	1.35
FR1 n78 Ant 1	Front	0.602	0.270	0.438	0.87	1.04
	Back	0.410	0.149	0.445	0.56	0.86



17.5 Product specific 10g SAR Exposure Conditions

Remark:

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

WWAN Band	Exposure Position	1	3	10	11	1+3+11	1+10+11
		WWAN 10g SAR (W/kg)	WLAN2.4GHz Ant 6 10g SAR (W/kg)	WLAN5GHz Ant 6 10g SAR (W/kg)	NFC 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
GSM850 Ant 0	Front			0.728		0.00	0.73
	Back	2.605	0.946	0.804	0.022	3.57	3.43
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	2.847				2.85	2.85
GSM1900 Ant 0	Front	1.907		0.728		1.91	2.64
	Back	2.999	0.946	0.804	0.022	3.97	3.83
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	2.617				2.62	2.62
WCDMA V Ant 0	Front			0.728		0.00	0.73
	Back	2.676	0.946	0.804	0.022	3.64	3.50
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	3.165				3.17	3.17
WCDMA IV Ant 0	Front	1.375		0.728		1.38	2.10
	Back	2.609	0.946	0.804	0.022	3.58	3.44
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	2.887				2.89	2.89
WCDMA II Ant 0	Front	1.929		0.728		1.93	2.66
	Back	2.879	0.946	0.804	0.022	3.85	3.71
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	2.920				2.92	2.92
LTE Band 12 Ant 4	Front			0.728		0.00	0.73
	Back		0.946	0.804	0.022	0.97	0.83
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
LTE Band 12 Ant 0	Front			0.728		0.00	0.73
	Back	2.625	0.946	0.804	0.022	3.59	3.45
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
LTE Band 13 Ant 4	Front			0.728		0.00	0.73
	Back		0.946	0.804	0.022	0.97	0.83
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18



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	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
LTE Band 13 Ant 0	Front			0.728		0.00	0.73
	Back	2.747	0.946	0.804	0.022	3.72	3.57
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
LTE Band 26 Ant 4	Front			0.728		0.00	0.73
	Back		0.946	0.804	0.022	0.97	0.83
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
LTE Band 26 Ant 0	Front			0.728		0.00	0.73
	Back	2.972	0.946	0.804	0.022	3.94	3.80
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	3.172				3.17	3.17
LTE Band 66 Ant 4	Front	1.330		0.728		1.33	2.06
	Back	1.557	0.946	0.804	0.022	2.53	2.38
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side	2.311		0.995		2.31	3.31
	Bottom side					0.00	0.00
LTE Band 66 Ant 0	Front	1.379		0.728		1.38	2.11
	Back	2.834	0.946	0.804	0.022	3.80	3.66
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	2.950				2.95	2.95
LTE Band 25 Ant 4	Front	1.398		0.728		1.40	2.13
	Back	1.552	0.946	0.804	0.022	2.52	2.38
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side	2.442		0.995		2.44	3.44
	Bottom side					0.00	0.00
LTE Band 25 Ant 0	Front	1.987		0.728		1.99	2.72
	Back	2.718	0.946	0.804	0.022	3.69	3.54
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	2.880				2.88	2.88
LTE Band 7 Ant 1	Front	2.980		0.728		2.98	3.71
	Back	2.755	0.946	0.804	0.022	3.72	3.58
	Left side	1.563				1.56	1.56
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	1.983				1.98	1.98
LTE Band 41 Ant 4	Front	2.220		0.728		2.22	2.95
	Back	2.437	0.946	0.804	0.022	3.41	3.26
	Left side	1.416				1.42	1.42
	Right side			0.182		0.00	0.18
	Top side	1.472		0.995		1.47	2.47
	Bottom side					0.00	0.00



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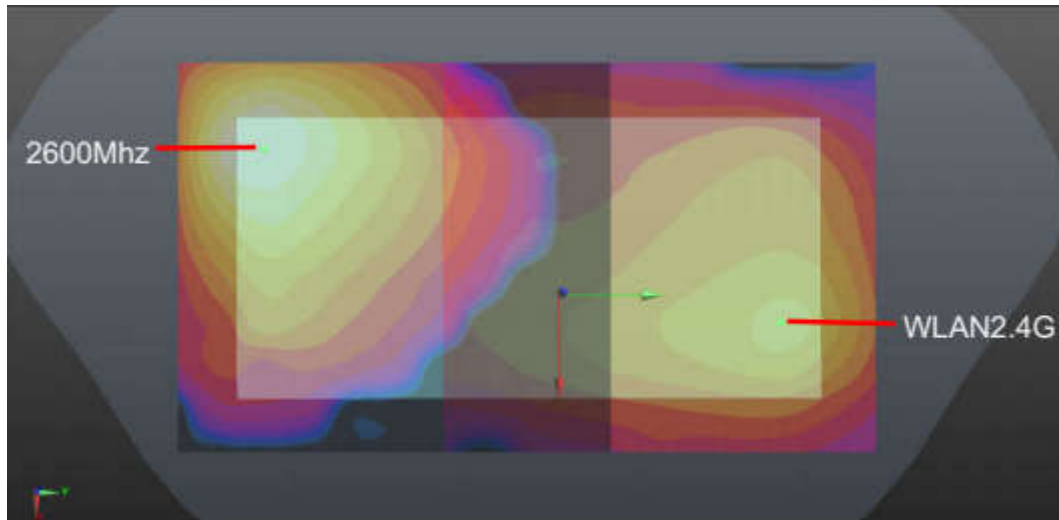
LTE Band 41 Ant 1	Front	2.397		0.728		2.40	3.13
	Back	2.359	0.946	0.804	0.022	3.33	3.19
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	1.090				1.09	1.09
LTE Band 42 Ant 5	Front	2.291		0.728		2.29	3.02
	Back	1.758	0.946	0.804	0.022	2.73	2.58
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side	1.772		0.995		1.77	2.77
	Bottom side					0.00	0.00
FR1 n26 Ant 4	Front			0.728		0.00	0.73
	Back		0.946	0.804	0.022	0.97	0.83
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
FR1 n26 Ant 0	Front			0.728		0.00	0.73
	Back	2.520	0.946	0.804	0.022	3.49	3.35
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
FR1 n66 Ant 4	Front	1.344		0.728		1.34	2.07
	Back	1.456	0.946	0.804	0.022	2.42	2.28
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side	2.464		0.995		2.46	3.46
	Bottom side					0.00	0.00
FR1 n66 Ant 0	Front	1.766		0.728		1.77	2.49
	Back	2.887	0.946	0.804	0.022	3.86	3.71
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	3.177				3.18	3.18
FR1 n2 Ant 4	Front	1.084		0.728		1.08	1.81
	Back	1.239	0.946	0.804	0.022	2.21	2.07
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side	2.463		0.995		2.46	3.46
	Bottom side					0.00	0.00
FR1 n2 Ant 0	Front	2.145		0.728		2.15	2.87
	Back	2.951	0.946	0.804	0.022	3.92	3.78
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	3.094				3.09	3.09
FR1 n7 Ant 4	Front	1.982		0.728		1.98	2.71
	Back	2.460	0.946	0.804	0.022	3.43	3.29
	Left side	1.767				1.77	1.77
	Right side			0.182		0.00	0.18
	Top side	1.731		0.995		1.73	2.73
	Bottom side					0.00	0.00
FR1 n7 Ant 1	Front	2.788		0.728		2.79	3.52
	Back	2.473	0.946	0.804	0.022	3.44	3.30

	Left side	1.407				1.41	1.41
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	1.253				1.25	1.25
FR1 n41 Ant 4	Front	1.877		0.728		1.88	2.61
	Back	2.330	0.946	0.804	0.022	3.30	3.16
	Left side	1.682				1.68	1.68
	Right side			0.182		0.00	0.18
	Top side	1.747		0.995		1.75	2.74
	Bottom side					0.00	0.00
FR1 n78 Ant 5	Front	2.473		0.728		2.47	3.20
	Back	1.587	0.946	0.804	0.022	2.56	2.41
	Left side					0.00	0.00
	Right side	1.355		0.182		1.36	1.54
	Top side	1.562		0.995		1.56	2.56
	Bottom side					0.00	0.00
FR1 n78 Ant 2	Front			0.728		0.00	0.73
	Back	2.381	0.946	0.804	0.022	3.35	3.21
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
FR1 n78 Ant 8	Front			0.728		0.00	0.73
	Back	2.323	0.946	0.804	0.022	3.29	3.15
	Left side					0.00	0.00
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side					0.00	0.00
FR1 n78 Ant 1	Front	1.944		0.728		1.94	2.67
	Back	2.757	0.946	0.804	0.022	3.73	3.58
	Left side	1.576				1.58	1.58
	Right side			0.182		0.00	0.18
	Top side			0.995		0.00	1.00
	Bottom side	1.296				1.30	1.30

17.6 SPLSR Evaluation and Analysis

General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.



Front 5mm



Back 5mm



<Hotspot SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.249	1.977	5mm	-0.0275	-0.0805	-0.205	149.4	1.98	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 2	GSM850 Ant 0	Back	1.249	1.842	5mm	-0.0275	-0.0805	-0.205	160.1	1.84	0.02	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 3	GSM850 Ant 0	Back	1.249	1.744	5mm	-0.0275	-0.0805	-0.205	153.6	1.74	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 4	GSM1900 Ant 0	Back	0.915	1.643	5mm	-0.023	-0.075	-0.205	144.8	1.64	0.01	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 5	WCDMA V Ant 0	Back	1.160	1.888	5mm	-0.0275	-0.0805	-0.205	149.4	1.89	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 6	WCDMA V Ant 0	Back	1.160	1.753	5mm	-0.0275	-0.0805	-0.205	160.1	1.75	0.01	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 7	WCDMA V Ant 0	Back	1.160	1.655	5mm	-0.0275	-0.0805	-0.205	153.6	1.66	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 8	LTE Band 12 Ant 0	Back	1.206	1.934	5mm	-0.0285	-0.0805	-0.205	149.3	1.93	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 9	LTE Band 12 Ant 0	Back	1.206	1.799	5mm	-0.0285	-0.0805	-0.205	159.9	1.80	0.02	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 10	LTE Band 12 Ant 0	Back	1.206	1.701	5mm	-0.0285	-0.0805	-0.205	153.5	1.70	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 11	LTE Band 13 Ant 0	Back	1.208	1.936	5mm	-0.026	-0.0805	-0.205	149.7	1.94	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 12	LTE Band 13 Ant 0	Back	1.208	1.801	5mm	-0.026	-0.0805	-0.205	160.3	1.80	0.02	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				



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Case 13	LTE Band 13 Ant 0	Back	1.208	1.703	5mm	-0.026	-0.0805	-0.205	153.7	1.70	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 14	LTE Band 26 Ant 0	Back	1.173	1.901	5mm	-0.029	-0.079	-0.205	147.7	1.90	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 15	LTE Band 26 Ant 0	Back	1.173	1.766	5mm	-0.029	-0.079	-0.205	158.3	1.77	0.01	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 16	LTE Band 26 Ant 0	Back	1.173	1.668	5mm	-0.029	-0.079	-0.205	151.9	1.67	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 17	LTE Band 7 Ant 1	Front	1.051	1.651	5mm	-0.047	-0.0712	-0.205	148.8	1.65	0.01	Not required
	WLAN2.4GHz Ant 6		0.600		5mm	0.001	0.0696	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 18	LTE Band 7 Ant 1	Back	1.158	1.886	5mm	0.007	-0.0712	-0.206	149.8	1.89	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 19	LTE Band 7 Ant 1	Back	1.158	1.751	5mm	0.007	-0.0712	-0.206	161.0	1.75	0.01	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 20	LTE Band 7 Ant 1	Back	1.158	1.653	5mm	0.007	-0.0712	-0.206	151.6	1.65	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 21	LTE Band 41 Ant 1	Front	1.172	1.772	5mm	-0.0458	-0.078	-0.205	154.8	1.77	0.02	Not required
	WLAN2.4GHz Ant 6		0.600		5mm	0.001	0.0696	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 22	LTE Band 41 Ant 1	Back	1.234	1.962	5mm	0.0082	-0.0736	-0.205	152.4	1.96	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 23	LTE Band 41 Ant 1	Back	1.234	1.827	5mm	0.0082	-0.0736	-0.205	163.7	1.83	0.02	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 24	LTE Band 41 Ant 1	Back	1.234	1.729	5mm	0.0082	-0.0736	-0.205	154.3	1.73	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 25	FR1 n26 Ant 0	Back	1.274	2.002	5mm	-0.0245	-0.0795	-0.205	148.9	2.00	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR



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Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 26	FR1 n26 Ant 0	Back	1.274	1.867	5mm	-0.0245	-0.0795	-0.205	159.6	1.87	0.02	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 27	FR1 n26 Ant 0	Back	1.274	1.769	5mm	-0.0245	-0.0795	-0.205	152.9	1.77	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 28	FR1 n2 Ant 0	Back	0.925	1.653	5mm	-0.018	-0.088	-0.205	158.5	1.65	0.01	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 29	FR1 n7 Ant 1	Front	1.211	1.811	5mm	-0.0508	-0.0798	-0.205	158.1	1.81	0.02	Not required
	WLAN2.4GHz Ant 6		0.600		5mm	0.001	0.0696	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 30	FR1 n7 Ant 1	Back	1.271	1.999	5mm	0.0094	-0.0712	-0.205	150.7	2.00	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 31	FR1 n7 Ant 1	Back	1.271	1.864	5mm	0.0094	-0.0712	-0.205	162.0	1.86	0.02	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 32	FR1 n7 Ant 1	Back	1.271	1.766	5mm	0.0094	-0.0712	-0.205	152.4	1.77	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 33	FR1 n78 Ant 1	Back	1.282	2.010	5mm	0.007	-0.0688	-0.207	147.5	2.01	0.02	Not required
	WLAN2.4GHz Ant 6		0.728		5mm	-0.050	0.067	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 34	FR1 n78 Ant 1	Back	1.282	1.875	5mm	0.007	-0.0688	-0.207	158.8	1.88	0.02	Not required
	WLAN5GHz Ant 6		0.593		5mm	-0.056	0.077	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 35	FR1 n78 Ant 1	Back	1.282	1.777	5mm	0.007	-0.0688	-0.207	149.3	1.78	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				



<Body-worn SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 36	GSM850 Ant 0	Back	1.249	1.639	5mm	-0.0275	-0.0805	-0.205	150.2	1.64	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 37	GSM850 Ant 0	Back	1.249	1.646	5mm	-0.0275	-0.0805	-0.205	160.4	1.65	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 38	GSM850 Ant 0	Back	1.249	1.744	5mm	-0.0275	-0.0805	-0.205	153.6	1.74	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 39	WCDMA V Ant 0	Back	1.160	1.655	5mm	-0.0275	-0.0805	-0.205	153.6	1.66	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 40	WCDMA IV Ant 0	Back	1.144	1.639	5mm	-0.038	-0.085	-0.205	157.4	1.64	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 41	WCDMA II Ant 0	Back	1.172	1.667	5mm	-0.03	-0.085	-0.205	157.8	1.67	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 42	LTE Band 12 Ant 0	Back	1.206	1.596	5mm	-0.0285	-0.0805	-0.205	150.0	1.60	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 43	LTE Band 12 Ant 0	Back	1.206	1.603	5mm	-0.0285	-0.0805	-0.205	160.2	1.60	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 44	LTE Band 12 Ant 0	Back	1.206	1.701	5mm	-0.0285	-0.0805	-0.205	153.5	1.70	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 45	LTE Band 13 Ant 0	Back	1.208	1.598	5mm	-0.026	-0.0805	-0.205	150.4	1.60	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 46	LTE Band 13 Ant 0	Back	1.208	1.605	5mm	-0.026	-0.0805	-0.205	160.6	1.61	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 47	LTE Band 13 Ant 0	Back	1.208	1.703	5mm	-0.026	-0.0805	-0.205	153.7	1.70	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				



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Case 48	LTE Band 26 Ant 0	Back	1.173	1.668	5mm	-0.029	-0.079	-0.205	151.9	1.67	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 49	LTE Band 66 Ant 0	Back	1.257	1.647	5mm	-0.0365	-0.081	-0.205	149.8	1.65	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 50	LTE Band 66 Ant 0	Back	1.257	1.654	5mm	-0.0365	-0.081	-0.205	159.8	1.65	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 51	LTE Band 66 Ant 0	Back	1.257	1.752	5mm	-0.0365	-0.081	-0.205	153.5	1.75	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 52	LTE Band 25 Ant 0	Back	1.225	1.615	5mm	-0.034	-0.081	-0.205	150.0	1.62	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 53	LTE Band 25 Ant 0	Back	1.225	1.622	5mm	-0.034	-0.081	-0.205	160.0	1.62	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 54	LTE Band 25 Ant 0	Back	1.225	1.720	5mm	-0.034	-0.081	-0.205	153.6	1.72	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 55	LTE Band 7 Ant 1	Back	1.158	1.653	5mm	0.007	-0.0712	-0.206	151.6	1.65	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 56	LTE Band 41 Ant 1	Back	1.234	1.624	5mm	0.0082	-0.0736	-0.205	152.4	1.62	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 57	LTE Band 41 Ant 1	Back	1.234	1.631	5mm	0.0082	-0.0736	-0.205	163.1	1.63	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 58	LTE Band 41 Ant 1	Back	1.234	1.729	5mm	0.0082	-0.0736	-0.205	154.3	1.73	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 59	FR1 n26 Ant 0	Back	1.274	1.664	5mm	-0.0245	-0.0795	-0.205	149.6	1.66	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 60	FR1 n26 Ant 0	Back	1.274	1.671	5mm	-0.0245	-0.0795	-0.205	159.9	1.67	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				



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				1g SAR (W/kg)	(mm)	X	Y	Z	distance (mm)	SAR (W/kg)		SAR
Case 61	FR1 n26 Ant 0	Back	1.274	1.769	5mm	-0.0245	-0.0795	-0.205	152.9	1.77	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 62	FR1 n66 Ant 0	Back	1.156	1.651	5mm	-0.0365	-0.0845	-0.205	157.0	1.65	0.01	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 63	FR1 n2 Ant 0	Back	1.271	1.661	5mm	-0.0255	-0.0825	-0.205	152.4	1.66	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 64	FR1 n2 Ant 0	Back	1.271	1.668	5mm	-0.0255	-0.0825	-0.205	162.7	1.67	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 65	FR1 n2 Ant 0	Back	1.271	1.766	5mm	-0.0255	-0.0825	-0.205	155.7	1.77	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 66	FR1 n7 Ant 1	Back	1.271	1.661	5mm	0.0094	-0.0712	-0.205	150.6	1.66	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 67	FR1 n7 Ant 1	Back	1.271	1.668	5mm	0.0094	-0.0712	-0.205	161.3	1.67	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 68	FR1 n7 Ant 1	Back	1.271	1.766	5mm	0.0094	-0.0712	-0.205	152.4	1.77	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 69	FR1 n78 Ant 1	Back	1.282	1.672	5mm	0.007	-0.0688	-0.207	147.5	1.67	0.01	Not required
	WLAN2.4GHz Ant 6		0.390		5mm	-0.047	0.0684	-0.205				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 70	FR1 n78 Ant 1	Back	1.282	1.679	5mm	0.007	-0.0688	-0.207	158.2	1.68	0.01	Not required
	WLAN5GHz Ant 6		0.397		5mm	-0.052	0.078	-0.206				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 71	FR1 n78 Ant 1	Back	1.282	1.777	5mm	0.007	-0.0688	-0.207	149.3	1.78	0.02	Not required
	Bluetooth Ant 6		0.495		5mm	-0.0416	0.0724	-0.206				

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18. Uncertainty Assessment

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

19. References

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- [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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