



FCC SAR Test Report

Report No. : FA391202

	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 1	ECI 7	518598	2592.99	19.66	20.50	1.213	-	-	-0.03	0.663	0.804
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	5mm	Ant 1	ECI 7	518598	2592.99	19.59	20.50	1.233	-	-	0.14	0.626	0.772
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	518598	2592.99	10.87	11.50	1.156	-	-	0.08	0.097	0.112
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	518598	2592.99	10.86	11.50	1.159	-	-	0.01	0.111	0.129
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	518598	2592.99	10.87	11.50	1.156	-	-	-0.08	0.212	0.245
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	518598	2592.99	10.86	11.50	1.159	-	-	-0.08	0.266	0.308
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	518598	2592.99	10.87	11.50	1.156	-	-	-0.18	0.030	0.035
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	518598	2592.99	10.86	11.50	1.159	-	-	0.1	0.040	0.046
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	518598	2592.99	10.87	11.50	1.156	-	-	0.12	0.346	0.400
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	518598	2592.99	10.86	11.50	1.159	-	-	0.03	0.509	0.590
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	518598	2592.99	17.17	17.50	1.079	-	-	-0.15	0.041	0.044
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	518598	2592.99	17.12	17.50	1.091	-	-	-0.15	0.050	0.055
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	518598	2592.99	17.17	17.50	1.079	-	-	-0.06	0.549	0.592
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	518598	2592.99	17.12	17.50	1.091	-	-	-0.08	0.492	0.537
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	518598	2592.99	17.17	17.50	1.079	-	-	-0.08	0.145	0.156
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	518598	2592.99	17.12	17.50	1.091	-	-	-0.04	0.151	0.165
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 2	ECI 7	518598	2592.99	17.17	17.50	1.079	-	-	-0.08	0.031	0.033
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 2	ECI 7	518598	2592.99	17.12	17.50	1.091	-	-	0.17	0.029	0.032
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	518598	2592.99	17.43	18.00	1.140	-	-	-0.13	0.194	0.221
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	518598	2592.99	17.40	18.00	1.148	-	-	-0.13	0.196	0.225
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	518598	2592.99	17.43	18.00	1.140	-	-	-0.03	0.436	0.497
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	518598	2592.99	17.40	18.00	1.148	-	-	-0.03	0.555	0.637
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	518598	2592.99	17.33	18.00	1.167	-	-	-0.08	0.467	0.545
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	518598	2592.99	17.43	18.00	1.140	-	-	-0.07	0.398	0.454
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	518598	2592.99	17.40	18.00	1.148	-	-	0.05	0.375	0.431
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	518598	2592.99	17.43	18.00	1.140	-	-	-0.12	0.071	0.081
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	518598	2592.99	17.40	18.00	1.148	-	-	0.03	0.085	0.098
3500MHz																				
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	ECI 7	55830	3609	13.55	15.00	1.396	62.9	1.006	-0.17	0.170	0.239
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	ECI 7	55830	3609	13.50	15.00	1.413	62.9	1.006	-0.04	0.147	0.209
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	ECI 7	55830	3609	13.55	15.00	1.396	62.9	1.006	-0.09	0.434	0.610
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	ECI 7	55340	3560	13.39	15.00	1.449	62.9	1.006	0.05	0.375	0.547
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	ECI 7	56150	3641	13.48	15.00	1.419	62.9	1.006	0.02	0.470	0.671
61	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	ECI 7	56640	3690	13.44	15.00	1.432	62.9	1.006	-0.13	0.479	0.690
	LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 5	ECI 7	56640+56442	3690+3670.2	13.53	15.00	1.403	62.9	1.006	0.07	0.451	0.636
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	ECI 7	55830	3609	13.50	15.00	1.413	62.9	1.006	0.06	0.280	0.398
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 5	ECI 7	55830	3609	13.44	15.00	1.432	62.9	1.006	0.11	0.368	0.530
	LTE Band 48	20M	QPSK	1	0	-	Left Side	5mm	Ant 5	ECI 7	55830	3609	13.55	15.00	1.396	62.9	1.006	-0.02	0.022	0.031
	LTE Band 48	20M	QPSK	50	0	-	Left Side	5mm	Ant 5	ECI 7	55830	3609	13.50	15.00	1.413	62.9	1.006	0.1	0.017	0.024
	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 5	ECI 7	55830	3609	13.55	15.00	1.396	62.9	1.006	0.04	0.104	0.146
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 5	ECI 7	55830	3609	13.50	15.00	1.413	62.9	1.006	-0.16	0.090	0.128
	LTE Band 48	20M	QPSK	1	0	-	Top Side	5mm	Ant 5	ECI 7	55830	3609	13.55	15.00	1.396	62.9	1.006	0.01	0.233	0.327
	LTE Band 48	20M	QPSK	50	0	-	Top Side	5mm	Ant 5	ECI 7	55830	3609	13.50	15.00	1.413	62.9	1.006	-0.16	0.202	0.287
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	641666	3624.99	11.65	13.00	1.365	-	-	0.17	0.16	0.217
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	641666	3624.99	11.63	13.00	1.371	-	-	-0.15	0.19	0.258
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	641666	3624.99	11.65	13.00	1.365	-	-	0.05	0.44	0.605
62	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	641666	3624.99	11.63	13.00	1.371	-	-	0.04	0.517	0.709
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	641666	3624.99	11.60	13.00	1.380	-	-	-0.06	0.43	0.589
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	641666	3624.99	11.65	13.00	1.365	-	-	-0.13	0.03	0.034
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	641666	3624.99	11.63	13.00	1.371	-	-	-0.01	0.03	0.040
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	641666	3624.99	11.65	13.00	1.365	-	-	-0.11	0.12	0.169
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	641666	3624.99	11.63	13.00	1.371	-	-	0.19	0.17	0.229
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Top Side	5mm	Ant 5	ECI 7	641666	3624.99	11.65	13.00	1.365	-	-	-0.18	0.27	0.363
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	5mm	Ant 5	ECI 7	641666	3624.99	11.63	13.00	1.371	-	-	-0.06	0.32	0.435
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Top Side	5mm	Ant 5	ECI 7	641666	3624.99	11.60	13.00	1.380	-	-	0.02	0.27	0.367
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	656000	3840	14.13	15.00	1.222	-	-	-0.13	0.079	0.097



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FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	656000	3840	14.05	15.00	1.245	-	-	-0.13	0.093	0.116
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	656000	3840	14.13	15.00	1.222	-	-	-0.03	0.211	0.258
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	656000	3840	14.05	15.00	1.245	-	-	0.09	0.256	0.319
FR1 n77(78) Part 27O ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	656000	3840	10.94	12.00	1.276	-	-	0.02	0.135	0.172
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	656000	3840	14.13	15.00	1.222	-	-	0.08	0.016	0.020
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	656000	3840	14.05	15.00	1.245	-	-	-0.07	0.022	0.027
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	656000	3840	14.13	15.00	1.222	-	-	0.05	0.075	0.092
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	656000	3840	14.05	15.00	1.245	-	-	-0.11	0.074	0.092
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 5	ECI 7	656000	3840	14.13	15.00	1.222	-	-	0.03	0.148	0.181
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 5	ECI 7	656000	3840	14.05	15.00	1.245	-	-	-0.16	0.170	0.212
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	633334	3500.01	14.07	15.00	1.239	-	-	0.05	0.174	0.216
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	633334	3500.01	14.04	15.00	1.247	-	-	0.05	0.229	0.286
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	633334	3500.01	14.07	15.00	1.239	-	-	-0.15	0.375	0.465
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	633334	3500.01	14.04	15.00	1.247	-	-	0.02	0.497	0.620
FR1 n77(78) Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	633334	3500.01	10.91	12.00	1.285	-	-	0.06	0.245	0.315
FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	633334	3500.01	14.02	15.00	1.253	-	-	0.07	0.493	0.618
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	633334	3500.01	14.07	15.00	1.239	-	-	0.16	0.021	0.026
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	633334	3500.01	14.04	15.00	1.247	-	-	0.13	0.028	0.035
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	633334	3500.01	14.07	15.00	1.239	-	-	-0.18	0.080	0.100
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	633334	3500.01	14.04	15.00	1.247	-	-	0.02	0.108	0.135
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 5	ECI 7	633334	3500.01	14.07	15.00	1.239	-	-	-0.03	0.221	0.274
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 5	ECI 7	633334	3500.01	14.04	15.00	1.247	-	-	0.07	0.284	0.354
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	656000	3840	20.78	21.00	1.052	-	-	0.08	0.100	0.105
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	656000	3840	20.74	21.00	1.062	-	-	0.01	0.130	0.138
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	656000	3840	20.78	21.00	1.052	-	-	0.03	0.281	0.296
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	656000	3840	20.74	21.00	1.062	-	-	0.06	0.347	0.368
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	656000	3840	20.78	21.00	1.052	-	-	-0.08	0.132	0.139
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	656000	3840	20.74	21.00	1.062	-	-	0.1	0.155	0.165
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	5mm	Ant 1	ECI 7	656000	3840	20.78	21.00	1.052	-	-	-0.18	0.128	0.135
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 1	ECI 7	656000	3840	20.74	21.00	1.062	-	-	0.1	0.147	0.156
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	633334	3500.01	20.89	21.00	1.026	-	-	-0.17	0.203	0.208
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	ECI 7	633334	3500.01	20.82	21.00	1.042	-	-	-0.03	0.251	0.262
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	633334	3500.01	20.89	21.00	1.026	-	-	0.14	0.400	0.410
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 7	633334	3500.01	20.82	21.00	1.042	-	-	0.03	0.548	0.571
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	633334	3500.01	20.89	21.00	1.026	-	-	-0.05	0.164	0.168
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 1	ECI 7	633334	3500.01	20.82	21.00	1.042	-	-	0.18	0.270	0.281
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	5mm	Ant 1	ECI 7	633334	3500.01	20.89	21.00	1.026	-	-	0.14	0.186	0.191
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 1	ECI 7	633334	3500.01	20.82	21.00	1.042	-	-	-0.17	0.205	0.214
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 8	ECI 7	656000	3840	14.41	15.50	1.285	-	-	-0.01	0.042	0.054
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECI 7	656000	3840	14.37	15.50	1.297	-	-	-0.08	0.047	0.061
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 8	ECI 7	656000	3840	14.41	15.50	1.285	-	-	0.05	0.442	0.568
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECI 7	656000	3840	14.37	15.50	1.297	-	-	0.05	0.451	0.585
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECI 7	656000	3840	14.41	15.50	1.285	-	-	-0.09	0.161	0.207
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECI 7	656000	3840	14.37	15.50	1.297	-	-	-0.08	0.177	0.230
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECI 7	656000	3840	14.41	15.50	1.285	-	-	0.12	0.049	0.063
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECI 7	656000	3840	14.37	15.50	1.297	-	-	0.03	0.054	0.070
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 8	ECI 7	633334	3500.01	14.45	15.50	1.274	-	-	0.08	0.016	0.020
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	ECI 7	633334	3500.01	14.40	15.50	1.288	-	-	0.01	0.023	0.030
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 8	ECI 7	633334	3500.01	14.45	15.50	1.274	-	-	0.03	0.175	0.223
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	ECI 7	633334	3500.01	14.40	15.50	1.288	-	-	0.06	0.281	0.362
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECI 7	633334	3500.01	14.45	15.50	1.274	-	-	0.1	0.063	0.080
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 8	ECI 7	633334	3500.01	14.40	15.50	1.288	-	-	-0.18	0.093	0.120
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECI 7	633334	3500.01	14.45	15.50	1.274	-	-	0.12	0.010	0.013
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 8	ECI 7	633334	3500.01	14.40	15.50	1.288	-	-	0.08	0.019	0.024
FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	656000	3840	11.44	12.00	1.138	-	-	0.08	0.011	0.013
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	656000	3840	11.42	12.00	1.143	-	-	-0.07	0.011	0.013



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	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	656000	3840	11.44	12.00	1.138	-	-	0.05	0.346	0.394
63	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	656000	3840	11.42	12.00	1.143	-	-	0.06	0.547	0.625
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	11.44	12.00	1.138	-	-	-0.12	0.096	0.109
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	11.42	12.00	1.143	-	-	0.03	0.130	0.149
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 2	ECI 7	656000	3840	11.44	12.00	1.138	-	-	-0.02	0.010	0.011
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 2	ECI 7	656000	3840	11.42	12.00	1.143	-	-	0.15	0.010	0.011
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	633334	8500.01	11.02	12.00	1.253	-	-	0.03	0.023	0.029
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	633334	8500.01	11.01	12.00	1.256	-	-	0.18	0.038	0.048
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	633334	8500.01	11.02	12.00	1.253	-	-	0.16	0.164	0.206
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	633334	8500.01	11.01	12.00	1.256	-	-	-0.1	0.242	0.304
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	633334	8500.01	11.02	12.00	1.253	-	-	0.18	0.073	0.091
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	633334	8500.01	11.01	12.00	1.256	-	-	-0.1	0.127	0.160
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 2	ECI 7	633334	8500.01	11.02	12.00	1.253	-	-	0.01	0.021	0.026
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 2	ECI 7	633334	8500.01	11.01	12.00	1.256	-	-	-0.15	0.029	0.036

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
BT/WLAN																
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	Simultaneous	11	2462	16.98	18.50	1.419	99.14	1.009	-0.18	0.197	0.282
64	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Simultaneous	11	2462	16.98	18.50	1.419	99.14	1.009	-0.15	0.484	0.693
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 6	Simultaneous	11	2462	16.98	18.50	1.419	99.14	1.009	0.1	0.031	0.044
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 6	Simultaneous	11	2462	16.98	18.50	1.419	99.14	1.009	0.12	0.162	0.232
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 6	Simultaneous	11	2462	16.98	18.50	1.419	99.14	1.009	0.08	0.280	0.401
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	5mm	Ant 6	Simultaneous	11	2462	16.98	18.50	1.419	99.14	1.009	-0.17	0.020	0.029
	Bluetooth	1Mbps	Front	5mm	Ant 6	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	0.16	0.048	0.059
65	Bluetooth	1Mbps	Back	5mm	Ant 6	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	0.06	0.093	0.114
	Bluetooth	1Mbps	Left Side	5mm	Ant 6	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	-0.1	0.013	0.016
	Bluetooth	1Mbps	Right Side	5mm	Ant 6	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	0.07	0.041	0.050
	Bluetooth	1Mbps	Top Side	5mm	Ant 6	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	0.18	0.053	0.065
	Bluetooth	1Mbps	Bottom Side	5mm	Ant 6	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	-0.1	0.013	0.016
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	Simultaneous	42	5210	10.35	12.00	1.462	88.14	1.135	0.08	0.044	0.073
66	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	Simultaneous	42	5210	10.35	12.00	1.462	88.14	1.135	0.01	0.390	0.647
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 6	Simultaneous	42	5210	10.35	12.00	1.462	88.14	1.135	0.03	0.007	0.012
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6	Simultaneous	42	5210	10.35	12.00	1.462	88.14	1.135	-0.08	0.151	0.251
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6	Simultaneous	42	5210	10.35	12.00	1.462	88.14	1.135	-0.08	0.186	0.309
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Bottom Side	5mm	Ant 6	Simultaneous	42	5210	10.35	12.00	1.462	88.14	1.135	0.1	0.009	0.015
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	Simultaneous	155	5775	11.75	13.00	1.334	88.14	1.135	0.08	0.067	0.101
67	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	Simultaneous	155	5775	11.75	13.00	1.334	88.14	1.135	-0.07	0.452	0.684
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 6	Simultaneous	155	5775	11.75	13.00	1.334	88.14	1.135	-0.11	0.015	0.023
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 6	Simultaneous	155	5775	11.75	13.00	1.334	88.14	1.135	-0.12	0.121	0.183
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 6	Simultaneous	155	5775	11.75	13.00	1.334	88.14	1.135	0.03	0.169	0.256
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Bottom Side	5mm	Ant 6	Simultaneous	155	5775	11.75	13.00	1.334	88.14	1.135	-0.16	0.015	0.023



15.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																					
	LTE Band 71	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	133322	683	22.62	24.00	1.374	-	-	-0.03	0.215	0.295
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	133322	683	21.88	23.00	1.294	-	-	0.12	0.193	0.250
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	133322	683	22.62	24.00	1.374	-	-	0.19	0.424	0.583
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	133322	683	21.88	23.00	1.294	-	-	-0.09	0.300	0.388
	LTE Band 71	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	133322	683	22.54	23.00	1.112	-	-	0.11	0.276	0.307
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	133322	683	21.77	22.00	1.054	-	-	-0.17	0.222	0.234
68	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	133322	683	22.54	23.00	1.112	-	-	0.01	0.915	1.017
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	133322	683	21.77	22.00	1.054	-	-	0.1	0.646	0.681
	LTE Band 71	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	133322	683	21.67	22.00	1.079	-	-	0.11	0.532	0.574
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23095	707.5	22.72	24.00	1.343	-	-	0.12	0.468	0.628
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23095	707.5	21.82	23.00	1.312	-	-	0.08	0.366	0.480
69	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	22.72	24.00	1.343	-	-	-0.17	0.738	0.991
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	21.82	23.00	1.312	-	-	-0.03	0.570	0.748
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	21.69	23.00	1.352	-	-	0.14	0.565	0.764
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	23095	707.5	22.54	23.00	1.112	-	-	0	0.397	0.441
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	ECI 3	23095	707.5	21.62	22.00	1.091	-	-	-0.13	0.287	0.313
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	23095	707.5	22.54	23.00	1.112	-	-	0.05	0.764	0.849
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	ECI 3	23095	707.5	21.62	22.00	1.091	-	-	-0.1	0.586	0.640
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	23095	707.5	21.59	22.00	1.099	-	-	-0.07	0.582	0.640
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	22.75	24.00	1.334	-	-	0.08	0.692	0.923
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	21.57	23.00	1.390	-	-	0.16	0.542	0.753
	LTE Band 13	10M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	21.76	23.00	1.330	-	-	0.01	0.541	0.720
70	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	22.75	24.00	1.334	-	-	-0.16	1.040	1.387
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	23230	782	22.75	24.00	1.334	-	-	0.01	0.893	1.191
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	21.57	23.00	1.390	-	-	0.1	0.843	1.172
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	21.76	23.00	1.330	-	-	-0.04	0.801	1.066
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	23230	782	20.87	21.50	1.156	-	-	0.08	0.468	0.541
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	ECI 3	23230	782	20.86	21.50	1.159	-	-	0.01	0.369	0.428
	LTE Band 13	10M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	23230	782	20.75	21.50	1.189	-	-	0.03	0.369	0.439
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	23230	782	20.87	21.50	1.156	-	-	-0.08	0.787	0.910
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	ECI 3	23230	782	20.86	21.50	1.159	-	-	-0.08	0.613	0.710
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	23230	782	20.75	21.50	1.189	-	-	0.1	0.613	0.729
	LTE Band 13	10M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	23230	782	22.31	23.00	1.172	-	-	-0.18	0.178	0.209
	LTE Band 13	10M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	23230	782	22.31	23.00	1.172	-	-	0.1	0.194	0.227
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23330	793	22.77	24.00	1.327	-	-	-0.16	0.773	1.026
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23330	793	21.80	23.00	1.318	-	-	-0.12	0.604	0.796
	LTE Band 14	10M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	23330	793	21.78	23.00	1.324	-	-	0.07	0.603	0.799
71	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23330	793	22.77	24.00	1.327	-	-	-0.02	1.050	1.394
	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	23330	793	22.77	24.00	1.327	-	-	-0.09	0.888	1.179
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 4	23330	793	21.80	23.00	1.318	-	-	-0.05	0.899	1.185
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 4	23330	793	21.78	23.00	1.324	-	-	-0.13	0.901	1.193
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	23330	793	20.86	21.50	1.159	-	-	0.08	0.536	0.621
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	ECI 3	23330	793	20.85	21.50	1.161	-	-	-0.11	0.419	0.487
	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	23330	793	20.86	21.50	1.159	-	-	-0.17	0.854	0.990
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	ECI 3	23330	793	20.85	21.50	1.161	-	-	0.15	0.675	0.784
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	23330	793	20.79	21.50	1.178	-	-	-0.17	0.671	0.790
	LTE Band 14	10M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	23330	793	22.29	23.00	1.178	-	-	-0.02	0.199	0.234
	LTE Band 14	10M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	23330	793	22.29	23.00	1.178	-	-	0.09	0.199	0.234
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	136100	680.5	23.11	24.00	1.227	-	-	0.1	0.189	0.232
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	136100	680.5	23.07	24.00	1.239	-	-	-0.04	0.192	0.238
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	136100	680.5	23.11	24.00	1.227	-	-	0.15	0.295	0.362
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	136100	680.5	23.07	24.00	1.239	-	-	0.09	0.285	0.353



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	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	136100	680.5	23.26	24.00	1.186	-	-	0.08	0.148	0.175
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	136100	680.5	23.22	24.00	1.197	-	-	0.01	0.163	0.195
72	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	136100	680.5	23.26	24.00	1.186	-	-	-0.06	0.400	0.474
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	136100	680.5	23.22	24.00	1.197	-	-	0.03	0.381	0.456
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	141500	707.5	22.92	24.00	1.282	-	-	0.14	0.264	0.339
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	141500	707.5	22.85	24.00	1.303	-	-	-0.17	0.297	0.387
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	141500	707.5	22.92	24.00	1.282	-	-	0.17	0.426	0.546
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	141500	707.5	22.85	24.00	1.303	-	-	-0.11	0.444	0.579
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	141500	707.5	22.97	24.00	1.268	-	-	0.1	0.212	0.269
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	141500	707.5	22.92	24.00	1.282	-	-	0.12	0.234	0.300
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	141500	707.5	22.97	24.00	1.268	-	-	0.08	0.468	0.593
73	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	141500	707.5	22.92	24.00	1.282	-	-	-0.1	0.522	0.669
	FR1 n12	15M	QPSK	75	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	141500	707.5	22.19	23.00	1.205	-	-	-0.17	0.440	0.530
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	158600	793	22.64	24.00	1.368	-	-	-0.12	0.468	0.640
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	158600	793	22.60	24.00	1.380	-	-	-0.17	0.447	0.617
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	158600	793	22.64	24.00	1.368	-	-	0.08	0.693	0.948
74	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	158600	793	22.60	24.00	1.380	-	-	0.02	0.703	0.970
	FR1 n14	10M	QPSK	50	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	158600	793	21.78	23.00	1.324	-	-	0.01	0.614	0.813
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	158600	793	22.61	24.00	1.377	-	-	0.02	0.366	0.504
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	158600	793	22.57	24.00	1.390	-	-	-0.11	0.352	0.489
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	158600	793	22.61	24.00	1.377	-	-	-0.01	0.606	0.835
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	158600	793	22.57	24.00	1.390	-	-	0.08	0.646	0.898
	FR1 n14	10M	QPSK	50	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	158600	793	21.68	23.00	1.355	-	-	0.09	0.602	0.816
835MHz																					
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	189	836.4	23.81	25.00	1.315	-	-	0.07	0.429	0.564
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	128	824.2	23.70	25.00	1.349	-	-	-0.04	0.380	0.513
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	251	848.8	23.74	25.00	1.337	-	-	-0.18	0.475	0.635
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	189	836.4	23.81	25.00	1.315	-	-	-0.13	0.961	1.264
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	128	824.2	23.70	25.00	1.349	-	-	-0.13	0.841	1.134
75	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	251	848.8	23.74	25.00	1.337	-	-	0.02	1.050	1.403
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	Headset	ECI 3	251	848.8	23.74	25.00	1.337	-	-	0.02	0.872	1.166
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	12mm	Ant 0	-	ECI 4	251	848.8	28.22	29.50	1.343	-	-	-0.04	0.410	0.551
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	22mm	Ant 0	-	ECI 4	251	848.8	28.22	29.50	1.343	-	-	-0.15	0.366	0.491
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	4182	836.4	20.74	22.00	1.337	-	-	-0.09	0.438	0.585
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	4132	826.4	20.65	22.00	1.365	-	-	0.05	0.401	0.547
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	4233	846.6	20.61	22.00	1.377	-	-	0.13	0.477	0.657
76	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4182	836.4	20.74	22.00	1.337	-	-	0.02	1.000	1.337
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	ECI 3	4182	836.4	20.74	22.00	1.337	-	-	-0.01	0.875	1.170
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4132	826.4	20.65	22.00	1.365	-	-	-0.12	0.815	1.112
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4233	846.6	20.61	22.00	1.377	-	-	0.15	0.864	1.190
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	12mm	Ant 0	-	ECI 4	4233	846.6	22.60	24.00	1.380	-	-	-0.05	0.288	0.398
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	22mm	Ant 0	-	ECI 4	4182	836.4	22.72	24.00	1.343	-	-	-0.07	0.222	0.298
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26865	831.5	21.21	22.50	1.346	-	-	0.02	0.554	0.746
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	-	ECI 3	26865	831.5	21.20	22.50	1.349	-	-	0.16	0.428	0.577
	LTE Band 26	15M	QPSK	75	0	-	Front	5mm	Ant 0	-	ECI 3	26865	831.5	21.17	22.50	1.358	-	-	0.06	0.423	0.575
77	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	21.21	22.50	1.346	-	-	-0.02	1.020	1.373
	LTE Band 5B	10M	QPSK	1	49	-	Back	5mm	Ant 0	-	ECI 3	20476+ 20575	831.6+ 836.5	20.95	22.50	1.429	-	-	-0.09	0.819	1.170
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	26865	831.5	21.21	22.50	1.346	-	-	0.1	0.797	1.073
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	21.20	22.50	1.349	-	-	0.07	0.775	1.045
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	21.17	22.50	1.358	-	-	-0.17	0.768	1.043
	LTE Band 26	15M	QPSK	1	0	-	Front	12mm	Ant 0	-	ECI 4	26865	831.5	22.65	24.00	1.365	-	-	0.1	0.335	0.457
	LTE Band 26	15M	QPSK	1	0	-	Back	22mm	Ant 0	-	ECI 4	26865	831.5	22.65	24.00	1.365	-	-	0.08	0.294	0.401
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	26865	831.5	21.45	22.00	1.135	-	-	-0.05	0.420	0.477
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 4	-	ECI 3	26865	831.5	21.32	22.00	1.169	-	-	-0.15	0.328	0.384
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26865	831.5	21.45	22.00	1.135	-	-	0.04	0.850	0.965
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 4	-	ECI 3	26865	831.5	21.32	22.00	1.169	-	-	0.08	0.581	0.679
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 4	-	ECI 3	26865	831.5	21.28	22.00	1.180	-	-	-0.02	0.592	0.699



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	LTE Band 26	15M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	26865	831.5	22.38	23.00	1.153	-	-	-0.03	0.293	0.338
	LTE Band 26	15M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	26865	831.5	22.38	23.00	1.153	-	-	-0.06	0.138	0.159
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	166300	831.5	21.92	23.00	1.282	-	-	0.07	0.448	0.574
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	166300	831.5	21.90	23.00	1.288	-	-	0.09	0.448	0.577
78	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	166300	831.5	21.92	23.00	1.282	-	-	0.02	0.987	1.266
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	166300	831.5	21.92	23.00	1.282	-	-	-0.01	0.811	1.040
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	166300	831.5	21.90	23.00	1.288	-	-	0.04	0.839	1.081
	FR1 n26	20M	QPSK	100	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	166300	831.5	21.75	23.00	1.334	-	-	0.11	0.643	0.857
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	12mm	Ant 0	-	ECI 4	166300	831.5	22.87	24.00	1.297	-	-	0.02	0.113	0.147
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	22mm	Ant 0	-	ECI 4	166300	831.5	22.91	24.00	1.285	-	-	-0.01	0.085	0.109
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 4	166300	831.5	22.88	24.00	1.294	-	-	-0.05	0.420	0.544
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 4	166300	831.5	22.84	24.00	1.306	-	-	0.14	0.421	0.550
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 4	166300	831.5	22.88	24.00	1.294	-	-	0.06	0.750	0.971
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 4	166300	831.5	22.84	24.00	1.306	-	-	-0.01	0.722	0.943
	FR1 n26	20M	QPSK	100	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 4	166300	831.5	21.89	23.00	1.291	-	-	-0.12	0.707	0.913
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	167300	836.5	22.46	23.50	1.271	-	-	-0.13	0.426	0.541
	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	167300	836.5	22.07	23.50	1.390	-	-	0.01	0.460	0.639
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	167300	836.5	22.46	23.50	1.271	-	-	-0.11	0.947	1.203
79	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	167300	836.5	22.07	23.50	1.390	-	-	-0.04	1.010	1.404
	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	167300	836.5	22.07	23.50	1.390	-	-	0.02	0.811	1.127
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	167300	836.5	21.83	23.00	1.309	-	-	0.03	0.696	0.911
	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Front	12mm	Ant 0	-	ECI 4	167300	836.5	22.86	24.00	1.300	-	-	0.06	0.103	0.134
	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Back	22mm	Ant 0	-	ECI 4	167300	836.5	22.86	24.00	1.300	-	-	-0.11	0.087	0.113
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 4	167300	836.5	22.90	24.00	1.288	-	-	0.15	0.429	0.553
	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 4	167300	836.5	22.82	24.00	1.312	-	-	-0.05	0.392	0.514
	FR1 n5	25M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 4	167300	836.5	22.90	24.00	1.288	-	-	0.08	0.788	1.015
	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 4	167300	836.5	22.82	24.00	1.312	-	-	-0.08	0.701	0.920
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 4	167300	836.5	21.79	23.00	1.321	-	-	-0.08	0.666	0.880
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1413	1732.6	16.06	17.50	1.393	-	-	0.12	0.824	1.148
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1312	1712.4	16.04	17.50	1.400	-	-	0.07	0.809	1.132
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1513	1752.6	15.82	17.50	1.472	-	-	0.15	0.812	1.196
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1413	1732.6	16.06	17.50	1.393	-	-	0.14	0.926	1.290
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1312	1712.4	16.04	17.50	1.400	-	-	-0.03	0.851	1.191
80	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1513	1752.6	15.92	17.50	1.439	-	-	-0.14	0.960	1.381
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	ECI 3	1513	1752.6	15.92	17.50	1.439	-	-	-0.09	0.797	1.147
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	12mm	Ant 0	-	ECI 4	1513	1752.6	22.35	24.00	1.462	-	-	0.17	0.467	0.683
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	22mm	Ant 0	-	ECI 4	1513	1752.6	22.35	24.00	1.462	-	-	0.11	0.394	0.576
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	16.57	18.00	1.390	-	-	-0.15	0.764	1.062
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132072	1720	16.41	18.00	1.442	-	-	0.11	0.748	1.079
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132572	1770	16.43	18.00	1.435	-	-	-0.02	0.737	1.058
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	16.54	18.00	1.400	-	-	0.1	0.608	0.851
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132072	1720	16.52	18.00	1.406	-	-	0.04	0.598	0.841
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132572	1770	16.47	18.00	1.422	-	-	0.13	0.590	0.839
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	16.57	18.00	1.390	-	-	-0.18	0.598	0.831
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	16.57	18.00	1.390	-	-	-0.11	0.917	1.275
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132072	1720	16.41	18.00	1.442	-	-	-0.16	0.811	1.170
81	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132572	1770	16.43	18.00	1.435	-	-	-0.15	0.970	1.392
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132572+132374	1770+1750.2	16.38	18.00	1.452	-	-	0.02	0.811	1.178
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	132572	1770	16.43	18.00	1.435	-	-	-0.07	0.772	1.108
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	16.54	18.00	1.400	-	-	-0.06	0.732	1.024
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132072	1720	16.52	18.00	1.406	-	-	-0.14	0.651	0.915
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132572	1770	16.42	18.00	1.439	-	-	-0.19	0.772	1.111
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	16.49	18.00	1.416	-	-	0.01	0.719	1.018
	LTE Band 66	20M	QPSK	1	0	-	Front	12mm	Ant 0	-	ECI 4	132072	1720	22.46	24.00	1.426	-	-	0.02	0.457	0.652
	LTE Band 66	20M	QPSK	1	0	-	Back	22mm	Ant 0	-	ECI 4	132572	1770	22.41	24.00	1.442	-	-	0.12	0.191	0.275
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	132322	1745	16.59	17.50	1.233	-	-	0.1	0.466	0.575



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	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	132072	1720	16.36	17.50	1.300	-	-	0.08	0.444	0.577
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	132572	1770	16.42	17.50	1.282	-	-	0.07	0.466	0.598
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	132322	1745	16.50	17.50	1.259	-	-	0.1	0.367	0.462
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	132072	1720	16.37	17.50	1.297	-	-	-0.09	0.355	0.460
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	132572	1770	16.49	17.50	1.262	-	-	0.02	0.374	0.472
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 4	-	ECI 3	132322	1745	16.49	17.50	1.262	-	-	0	0.363	0.458
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	132322	1745	16.59	17.50	1.233	-	-	0.02	0.767	0.946
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	132072	1720	16.36	17.50	1.300	-	-	-0.08	0.737	0.958
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	132572	1770	16.42	17.50	1.282	-	-	-0.03	0.785	1.007
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	132322	1745	16.50	17.50	1.259	-	-	-0.06	0.609	0.767
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	132072	1720	16.37	17.50	1.297	-	-	0.18	0.591	0.767
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	132572	1770	16.49	17.50	1.262	-	-	0.01	0.627	0.791
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	132322	1745	16.49	17.50	1.262	-	-	0.03	0.598	0.755
	LTE Band 66 Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	132572	1770	16.22	17.50	1.343	-	-	-0.01	0.661	0.888
	LTE Band 66	20M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	132572	1770	20.96	22.00	1.271	-	-	-0.18	0.192	0.244
	LTE Band 66	20M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	132572	1770	20.96	22.00	1.271	-	-	-0.05	0.106	0.135
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	340500	1702.5	19.06	20.00	1.242	-	-	0.04	0.918	1.140
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	340500	1702.5	19.00	20.00	1.259	-	-	-0.01	1.010	1.272
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	340500	1702.5	18.95	20.00	1.274	-	-	-0.08	0.775	0.987
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	340500	1702.5	19.06	20.00	1.242	-	-	0.05	0.931	1.156
82	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	340500	1702.5	19.00	20.00	1.259	-	-	-0.07	1.030	1.297
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	340500	1702.5	19.00	20.00	1.259	-	-	-0.08	1.030	1.297
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	340500	1702.5	18.95	20.00	1.274	-	-	0.06	0.797	1.015
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	12mm	Ant 0	-	ECI 4	340500	1702.5	22.92	24.00	1.282	-	-	0.04	0.619	0.794
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	22mm	Ant 0	-	ECI 4	340500	1702.5	22.92	24.00	1.282	-	-	0.15	0.244	0.313
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	340500	1702.5	19.45	20.50	1.274	-	-	-0.15	0.412	0.525
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	340500	1702.5	19.44	20.50	1.276	-	-	0.19	0.455	0.581
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	340500	1702.5	19.42	20.50	1.282	-	-	0.07	0.371	0.476
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	340500	1702.5	19.45	20.50	1.274	-	-	-0.19	0.768	0.978
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	340500	1702.5	19.44	20.50	1.276	-	-	-0.18	0.726	0.927
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	340500	1702.5	19.42	20.50	1.282	-	-	0.03	0.631	0.809
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	12mm	Ant 4	-	ECI 4	340500	1702.5	21.81	23.00	1.315	-	-	0.04	0.237	0.312
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	22mm	Ant 4	-	ECI 4	340500	1702.5	21.87	23.00	1.297	-	-	0.04	0.106	0.138
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	17.99	19.00	1.262	-	-	-0.08	0.713	0.900
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	17.95	19.00	1.274	-	-	-0.13	0.827	1.053
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	17.91	19.00	1.285	-	-	-0.13	0.632	0.812
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	17.99	19.00	1.262	-	-	0.06	0.848	1.070
83	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	17.95	19.00	1.274	-	-	-0.08	0.972	1.238
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	349000	1745	17.95	19.00	1.274	-	-	-0.02	0.922	1.174
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	17.91	19.00	1.285	-	-	-0.03	0.804	1.033
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	12mm	Ant 0	-	ECI 4	349000	1745	22.89	24.00	1.291	-	-	-0.18	0.587	0.758
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	22mm	Ant 0	-	ECI 4	349000	1745	22.89	24.00	1.291	-	-	-0.14	0.259	0.334
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	349000	1745	18.85	20.00	1.303	-	-	-0.05	0.365	0.476
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	349000	1745	18.84	20.00	1.306	-	-	-0.08	0.438	0.572
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	349000	1745	18.78	20.00	1.324	-	-	0.16	0.337	0.446
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	18.85	20.00	1.303	-	-	0.05	0.622	0.811
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	18.84	20.00	1.306	-	-	-0.06	0.691	0.903
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	18.78	20.00	1.324	-	-	0.05	0.571	0.756
	FR1 n66 Other PA	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	18.84	20.00	1.306	-	-	-0.07	0.511	0.667
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	12mm	Ant 4	-	ECI 4	349000	1745	21.75	23.00	1.334	-	-	0.05	0.265	0.353
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	22mm	Ant 4	-	ECI 4	349000	1745	21.75	23.00	1.334	-	-	0.12	0.137	0.183
1900MHz																					
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 0	-	ECI 3	661	1880	18.41	19.00	1.146	-	-	-0.08	0.605	0.693
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 0	-	ECI 3	512	1850.2	18.34	19.00	1.164	-	-	-0.08	0.586	0.682
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	5mm	Ant 0	-	ECI 3	810	1909.8	18.02	19.00	1.253	-	-	0.1	0.689	0.863
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	ECI 3	661	1880	18.41	19.00	1.146	-	-	-0.18	1.020	1.168
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	ECI 3	512	1850.2	18.34	19.00	1.164	-	-	0.1	0.900	1.048



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84	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	-	ECI 3	810	1909.8	18.02	19.00	1.253	-	-	0.12	1.060	1.328
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	5mm	Ant 0	Headset	ECI 3	810	1909.8	18.02	19.00	1.253	-	-	0.11	0.877	1.099
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	12mm	Ant 0	-	ECI 4	810	1909.8	26.02	27.50	1.406	-	-	0.08	0.874	1.229
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	12mm	Ant 0	-	ECI 4	661	1880	26.34	27.50	1.306	-	-	0.01	0.877	1.146
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	12mm	Ant 0	-	ECI 4	512	1850.2	26.28	27.50	1.324	-	-	-0.05	0.913	1.209
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	22mm	Ant 0	-	ECI 4	810	1909.8	26.02	27.50	1.406	-	-	-0.17	0.539	0.758
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	9400	1880	13.48	15.00	1.419	-	-	-0.03	0.611	0.867
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	9262	1852.4	13.26	15.00	1.493	-	-	0.14	0.582	0.869
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	9538	1907.6	13.41	15.00	1.442	-	-	0.11	0.582	0.839
85	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9400	1880	13.48	15.00	1.419	-	-	-0.05	1.000	1.419
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	ECI 3	9400	1880	13.48	15.00	1.419	-	-	-0.09	0.865	1.227
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9262	1852.4	13.26	15.00	1.493	-	-	0.18	0.807	1.205
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9538	1907.6	13.41	15.00	1.442	-	-	0.14	0.962	1.387
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	12mm	Ant 0	-	ECI 4	9400	1880	22.47	24.00	1.422	-	-	-0.17	0.940	1.337
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	12mm	Ant 0	-	ECI 4	9262	1852.4	22.29	24.00	1.483	-	-	-0.09	0.853	1.265
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	12mm	Ant 0	-	ECI 4	9538	1907.6	22.42	24.00	1.439	-	-	0.02	0.911	1.311
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	22mm	Ant 0	-	ECI 4	9400	1880	22.47	24.00	1.422	-	-	0.17	0.983	1.398
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26340	1880	13.85	15.00	1.303	-	-	-0.17	0.744	0.970
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26140	1860	13.68	15.00	1.355	-	-	-0.1	0.706	0.957
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26590	1905	13.73	15.00	1.340	-	-	0.18	0.593	0.794
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	26340	1880	13.77	15.00	1.327	-	-	-0.17	0.659	0.875
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	26140	1860	13.69	15.00	1.352	-	-	-0.04	0.565	0.764
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	26590	1905	13.76	15.00	1.330	-	-	-0.05	0.469	0.624
	LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	26340	1880	13.84	15.00	1.306	-	-	0	0.651	0.850
86	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26340	1880	13.85	15.00	1.303	-	-	-0.13	1.100	1.433
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	26340	1880	13.85	15.00	1.303	-	-	-0.09	0.933	1.216
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26140	1860	13.68	15.00	1.355	-	-	-0.01	1.000	1.355
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26590	1905	13.73	15.00	1.340	-	-	-0.09	0.842	1.128
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	26340	1880	13.77	15.00	1.327	-	-	0.05	0.907	1.204
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	26140	1860	13.69	15.00	1.352	-	-	0.02	0.841	1.137
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	26590	1905	13.76	15.00	1.330	-	-	-0.13	0.665	0.885
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	26340	1880	13.84	15.00	1.306	-	-	0.17	0.901	1.177
	LTE Band 25	20M	QPSK	1	0	-	Front	12mm	Ant 0	-	ECI 4	26340	1880	22.79	24.00	1.321	-	-	0	0.843	1.114
	LTE Band 25	20M	QPSK	1	0	-	Front	12mm	Ant 0	-	ECI 4	26140	1860	22.63	24.00	1.371	-	-	-0.02	0.811	1.112
	LTE Band 25	20M	QPSK	1	0	-	Front	12mm	Ant 0	-	ECI 4	26590	1905	22.74	24.00	1.337	-	-	0.08	0.756	1.010
	LTE Band 25	20M	QPSK	1	0	-	Back	22mm	Ant 0	-	ECI 4	26340	1880	22.79	24.00	1.321	-	-	-0.04	0.552	0.729
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	26340	1880	16.33	17.00	1.167	-	-	-0.02	0.455	0.531
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	26140	1860	16.03	17.00	1.250	-	-	0.08	0.414	0.518
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	26590	1905	16.26	17.00	1.186	-	-	0	0.445	0.528
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	26340	1880	16.30	17.00	1.175	-	-	-0.12	0.361	0.424
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	26140	1860	16.07	17.00	1.239	-	-	-0.08	0.333	0.413
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	26590	1905	16.19	17.00	1.205	-	-	-0.16	0.352	0.424
	LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 4	-	ECI 3	26340	1880	16.25	17.00	1.189	-	-	0.18	0.355	0.422
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26340	1880	16.33	17.00	1.167	-	-	-0.08	0.791	0.923
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26140	1860	16.03	17.00	1.250	-	-	0.04	0.719	0.899
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26590	1905	16.26	17.00	1.186	-	-	-0.07	0.775	0.919
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	26340	1880	16.30	17.00	1.175	-	-	0.13	0.626	0.735
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	26140	1860	16.07	17.00	1.239	-	-	-0.07	0.570	0.706
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	26590	1905	16.19	17.00	1.205	-	-	0.11	0.610	0.735
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	26340	1880	16.25	17.00	1.189	-	-	-0.12	0.610	0.725
	LTE Band 25 Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26340	1880	16.04	17.00	1.247	-	-	-0.08	0.731	0.912
	LTE Band 25	20M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	26340	1880	21.27	22.00	1.183	-	-	-0.16	0.230	0.272
	LTE Band 25	20M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	26340	1880	21.27	22.00	1.183	-	-	0	0.136	0.161
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376500	1882.5	16.24	17.00	1.191	-	-	0.08	0.465	0.554
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376500	1882.5	16.16	17.00	1.213	-	-	0.01	0.555	0.673
	FR1 n25	45M	QPSK	242	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376500	1882.5	16.04	17.00	1.247	-	-	0.03	0.447	0.558
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376500	1882.5	16.24	17.00	1.191	-	-	-0.08	0.715	0.852



FCC SAR Test Report

Report No. : FA391202

87	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376500	1882.5	16.16	17.00	1.213	-	-	0.11	0.985	1.195
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	376500	1882.5	16.16	17.00	1.213	-	-	0.11	0.901	1.093
	FR1 n25	45M	QPSK	242	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376500	1882.5	16.04	17.00	1.247	-	-	-0.08	0.674	0.841
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Front	12mm	Ant 0	-	ECI 4	376500	1882.5	23.11	24.00	1.227	-	-	-0.18	0.663	0.814
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Back	22mm	Ant 0	-	ECI 4	376500	1882.5	23.11	24.00	1.227	-	-	0.15	0.406	0.498
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	376500	1882.5	19.03	20.00	1.250	-	-	0.14	0.455	0.569
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	376500	1882.5	19.02	20.00	1.253	-	-	-0.17	0.501	0.628
	FR1 n25	45M	QPSK	242	0	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	376500	1882.5	18.96	20.00	1.271	-	-	0.17	0.368	0.468
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376500	1882.5	19.03	20.00	1.250	-	-	-0.05	0.649	0.811
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376500	1882.5	19.02	20.00	1.253	-	-	-0.16	0.756	0.947
	FR1 n25	45M	QPSK	242	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376500	1882.5	18.96	20.00	1.271	-	-	0.01	0.612	0.778
	FR1 n25 Other PA	45M	QPSK	121	61	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376500	1882.5	18.81	20.00	1.315	-	-	-0.06	0.661	0.869
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Front	12mm	Ant 4	-	ECI 4	376500	1882.5	22.00	23.00	1.259	-	-	-0.03	0.239	0.301
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Back	22mm	Ant 4	-	ECI 4	376500	1882.5	22.00	23.00	1.259	-	-	-0.05	0.147	0.185
2300MHz																					
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	27710	2310	17.88	19.50	1.452	-	-	0.07	0.593	0.861
	LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECI 3	27710	2310	17.87	19.50	1.455	-	-	0	0.466	0.678
	LTE Band 30	10M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	27710	2310	17.85	19.50	1.462	-	-	0.01	0.466	0.681
88	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	27710	2310	17.88	19.50	1.452	-	-	-0.09	0.980	1.423
	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	ECI 3	27710	2310	17.88	19.50	1.452	-	-	0.08	0.762	1.107
	LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	ECI 3	27710	2310	17.87	19.50	1.455	-	-	-0.01	0.857	1.247
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	27710	2310	17.85	19.50	1.462	-	-	-0.06	0.857	1.253
	LTE Band 30	10M	QPSK	1	0	-	Front	12mm	Ant 1	-	ECI 4	27710	2310	22.34	24.00	1.466	-	-	-0.04	0.157	0.230
	LTE Band 30	10M	QPSK	1	0	-	Back	22mm	Ant 1	-	ECI 4	27710	2310	22.34	24.00	1.466	-	-	-0.09	0.096	0.141
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	27710	2310	13.98	15.50	1.419	-	-	-0.14	0.263	0.373
	LTE Band 30 ENDC	10M	QPSK	25	0	-	Front	5mm	Ant 4	-	ECI 3	27710	2310	13.97	15.50	1.422	-	-	-0.17	0.188	0.267
	LTE Band 30 ENDC	10M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	27710	2310	13.95	15.50	1.429	-	-	0.05	0.205	0.293
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	27710	2310	13.98	15.50	1.419	-	-	0.13	0.358	0.508
	LTE Band 30 ENDC	10M	QPSK	25	0	-	Back	5mm	Ant 4	-	ECI 3	27710	2310	13.97	15.50	1.422	-	-	0.05	0.362	0.515
	LTE Band 30 ENDC	10M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	27710	2310	13.95	15.50	1.429	-	-	-0.03	0.347	0.496
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	27710	2310	22.43	23.00	1.140	-	-	-0.12	0.379	0.432
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	27710	2310	22.43	23.00	1.140	-	-	0	0.248	0.283
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	462000	2310	20.86	21.50	1.159	-	-	0.18	0.544	0.630
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	462000	2310	20.81	21.50	1.172	-	-	0.16	0.560	0.656
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	462000	2310	20.75	21.50	1.189	-	-	-0.1	0.435	0.517
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	462000	2310	20.86	21.50	1.159	-	-	0.07	0.897	1.039
89	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	462000	2310	20.81	21.50	1.172	-	-	0.02	1.020	1.196
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 1	Headset	ECI 3	462000	2310	20.81	21.50	1.172	-	-	-0.05	0.877	1.028
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	462000	2310	20.75	21.50	1.189	-	-	0.18	0.752	0.894
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	12mm	Ant 1	-	ECI 4	462000	2310	23.21	24.00	1.199	-	-	0.1	0.293	0.351
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	22mm	Ant 1	-	ECI 4	462000	2310	23.21	24.00	1.199	-	-	-0.01	0.142	0.170
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	16.60	18.00	1.380	-	-	-0.12	0.559	0.772
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	20850	2510	16.37	18.00	1.455	-	-	-0.16	0.602	0.876
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21350	2560	16.16	18.00	1.528	-	-	-0.03	0.556	0.849
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	16.59	18.00	1.384	-	-	0.17	0.444	0.614
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	20850	2510	16.36	18.00	1.459	-	-	0.02	0.472	0.689
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	21350	2560	16.10	18.00	1.549	-	-	0	0.436	0.675
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	16.56	18.00	1.393	-	-	0.18	0.439	0.612
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	16.60	18.00	1.380	-	-	-0.11	0.836	1.154
90	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	16.37	18.00	1.455	-	-	0.06	0.913	1.329
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	ECI 3	20850	2510	16.37	18.00	1.455	-	-	-0.03	0.819	1.192
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21350	2560	16.16	18.00	1.528	-	-	-0.05	0.859	1.312
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	16.59	18.00	1.384	-	-	-0.04	0.661	0.915
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	16.36	18.00	1.459	-	-	-0.08	0.714	1.042
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	21350	2560	16.10	18.00	1.549	-	-	0	0.671	1.039
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	16.56	18.00	1.393	-	-	-0.14	0.661	0.921



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	LTE Band 7	20M	QPSK	1	0	-	Front	12mm	Ant 1	-	ECI 4	20850	2510	22.41	24.00	1.442	-	-	0.01	0.304	0.438
	LTE Band 7	20M	QPSK	1	0	-	Back	22mm	Ant 1	-	ECI 4	20850	2510	22.41	24.00	1.442	-	-	0.18	0.167	0.241
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	21100	2535	11.12	12.50	1.374	-	-	-0.03	0.194	0.267
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	20850	2510	11.02	12.50	1.406	-	-	0.11	0.194	0.273
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	21350	2560	11.04	12.50	1.400	-	-	0.08	0.180	0.252
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	21100	2535	11.04	12.50	1.400	-	-	0.07	0.159	0.223
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	20850	2510	11.03	12.50	1.403	-	-	0.09	0.156	0.219
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	21350	2560	10.96	12.50	1.426	-	-	-0.12	0.145	0.207
	LTE Band 7 ENDC	20M	QPSK	100	0	-	Front	5mm	Ant 4	-	ECI 3	21100	2535	11.03	12.50	1.403	-	-	0.1	0.166	0.233
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	21100	2535	11.12	12.50	1.374	-	-	-0.16	0.356	0.489
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	20850	2510	11.02	12.50	1.406	-	-	-0.1	0.361	0.508
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	21350	2560	11.04	12.50	1.400	-	-	0.17	0.326	0.456
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	21100	2535	11.04	12.50	1.400	-	-	0.12	0.282	0.395
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	20850	2510	11.03	12.50	1.403	-	-	-0.11	0.309	0.433
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	21350	2560	10.96	12.50	1.426	-	-	-0.12	0.252	0.359
	LTE Band 7 ENDC	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	21100	2535	11.03	12.50	1.403	-	-	-0.1	0.307	0.431
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	20850	2510	22.53	24.00	1.403	-	-	0.16	0.443	0.621
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	20850	2510	22.53	24.00	1.403	-	-	-0.09	0.357	0.501
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	19.67	21.00	1.358	62.9	1.006	0.04	0.516	0.705
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	39750	2506	19.34	21.00	1.466	62.9	1.006	0.17	0.529	0.780
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40185	2549.5	19.47	21.00	1.422	62.9	1.006	0.06	0.542	0.776
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	41055	2636.5	19.54	21.00	1.400	62.9	1.006	-0.18	0.462	0.650
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	41490	2680	19.34	21.00	1.466	62.9	1.006	0.06	0.471	0.694
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	19.60	21.00	1.380	62.9	1.006	0.18	0.442	0.614
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	39750	2506	19.45	21.00	1.429	62.9	1.006	0.17	0.416	0.598
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	40185	2549.5	19.44	21.00	1.432	62.9	1.006	-0.16	0.425	0.612
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	41055	2636.5	19.52	21.00	1.406	62.9	1.006	-0.08	0.369	0.522
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	41490	2680	19.26	21.00	1.493	62.9	1.006	0.03	0.372	0.559
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	19.55	21.00	1.396	62.9	1.006	0.12	0.402	0.565
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	19.67	21.00	1.358	62.9	1.006	-0.17	0.821	1.122
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	39750	2506	19.34	21.00	1.466	62.9	1.006	0.02	0.739	1.090
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40185	2549.5	19.47	21.00	1.422	62.9	1.006	-0.07	0.736	1.053
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	40620+ 40818	2593+ 2612.8	19.45	21.00	1.429	62.9	1.006	-0.09	0.726	1.044
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	ECI 3	40620	2593	19.67	21.00	1.358	62.9	1.006	-0.01	0.590	0.806
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41055	2636.5	19.54	21.00	1.400	62.9	1.006	-0.03	0.782	1.101
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41490	2680	19.34	21.00	1.466	62.9	1.006	0	0.754	1.112
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	19.60	21.00	1.380	62.9	1.006	0.09	0.644	0.894
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	39750	2506	19.45	21.00	1.429	62.9	1.006	-0.07	0.631	0.907
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	40185	2549.5	19.44	21.00	1.432	62.9	1.006	-0.16	0.644	0.928
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	41055	2636.5	19.52	21.00	1.406	62.9	1.006	-0.03	0.622	0.880
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	41490	2680	19.26	21.00	1.493	62.9	1.006	0.03	0.627	0.942
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	19.55	21.00	1.396	62.9	1.006	0.1	0.644	0.905
91	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	22.64	24.00	1.368	42.9	1.009	0.03	1.010	1.394
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 1	Headset	ECI 3	40620	2593	22.64	24.00	1.368	42.9	1.009	0.02	0.855	1.180
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	40620+ 40818	2593+ 2612.8	22.43	24.00	1.435	42.9	1.009	-0.09	0.818	1.185
	LTE Band 41	20M	QPSK	1	0	-	Front	12mm	Ant 1	-	ECI 4	40185	2549.5	22.46	24.00	1.426	62.9	1.006	0.06	0.163	0.234
	LTE Band 41	20M	QPSK	1	0	-	Back	22mm	Ant 1	-	ECI 4	40620	2593	22.59	24.00	1.384	62.9	1.006	0.12	0.093	0.129
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	22mm	Ant 1	-	ECI 4	40620	2593	25.56	27.00	1.393	42.9	1.009	0.02	0.131	0.184
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	40620	2593	15.20	16.00	1.202	62.9	1.006	-0.03	0.363	0.439
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	39750	2506	14.81	16.00	1.315	62.9	1.006	0.02	0.353	0.467
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	40185	2549.5	14.90	16.00	1.288	62.9	1.006	0.11	0.414	0.537
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	41055	2636.5	15.06	16.00	1.242	62.9	1.006	-0.17	0.249	0.311
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	41490	2680	15.05	16.00	1.245	62.9	1.006	-0.04	0.178	0.223
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	40620	2593	15.13	16.00	1.222	62.9	1.006	-0.17	0.269	0.331
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	39750	2506	14.77	16.00	1.327	62.9	1.006	0.04	0.284	0.379
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	40185	2549.5	14.87	16.00	1.297	62.9	1.006	0.01	0.326	0.425
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	41055	2636.5	15.05	16.00	1.245	62.9	1.006	0.04	0.198	0.248



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	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	41490	2680	14.96	16.00	1.271	62.9	1.006	-0.06	0.140	0.179
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 4	-	ECI 3	40620	2593	15.11	16.00	1.227	62.9	1.006	0.16	0.281	0.347
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	15.20	16.00	1.202	62.9	1.006	0.1	0.604	0.731
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	39750	2506	14.81	16.00	1.315	62.9	1.006	-0.03	0.604	0.799
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	40185	2549.5	14.90	16.00	1.288	62.9	1.006	0.09	0.692	0.897
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	41055	2636.5	15.06	16.00	1.242	62.9	1.006	-0.13	0.407	0.508
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	41490	2680	15.05	16.00	1.245	62.9	1.006	-0.17	0.296	0.371
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	15.13	16.00	1.222	62.9	1.006	-0.1	0.465	0.572
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	39750	2506	14.77	16.00	1.327	62.9	1.006	0.17	0.472	0.630
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	40185	2549.5	14.87	16.00	1.297	62.9	1.006	-0.06	0.539	0.703
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	41055	2636.5	15.05	16.00	1.245	62.9	1.006	0.07	0.325	0.407
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	41490	2680	14.96	16.00	1.271	62.9	1.006	0.11	0.234	0.299
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	15.11	16.00	1.227	62.9	1.006	-0.18	0.465	0.574
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	40185	2549.5	17.81	19.00	1.315	42.9	1.009	0.11	0.852	1.131
	LTE Band 41	20M	QPSK	1	0	-	Front	12mm	Ant 4	-	ECI 4	40185	2549.5	19.36	20.50	1.300	62.9	1.006	-0.01	0.106	0.139
	LTE Band 41	20M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	40185	2549.5	19.36	20.50	1.300	62.9	1.006	-0.11	0.094	0.123
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	22mm	Ant 4	-	ECI 4	40185	2549.5	22.02	23.50	1.406	42.9	1.009	0.06	0.145	0.206
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 3	40620	2593	16.96	17.50	1.132	62.9	1.006	-0.08	0.043	0.049
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 3	40620	2593	16.95	17.50	1.135	62.9	1.006	0.12	0.034	0.039
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	40620	2593	16.96	17.50	1.132	62.9	1.006	-0.07	0.536	0.611
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	39750	2506	16.62	17.50	1.225	62.9	1.006	-0.04	0.578	0.712
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	40185	2549.5	16.84	17.50	1.164	62.9	1.006	0.13	0.651	0.762
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	41055	2636.5	16.69	17.50	1.205	62.9	1.006	-0.03	0.461	0.559
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	41490	2680	16.55	17.50	1.245	62.9	1.006	0.09	0.422	0.528
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	40620	2593	16.95	17.50	1.135	62.9	1.006	0.06	0.422	0.482
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	39750	2506	16.60	17.50	1.230	62.9	1.006	0.17	0.461	0.571
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	40185	2549.5	16.94	17.50	1.138	62.9	1.006	0.06	0.449	0.514
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	41055	2636.5	16.67	17.50	1.211	62.9	1.006	0.01	0.371	0.452
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	41490	2680	16.58	17.50	1.236	62.9	1.006	-0.11	0.338	0.420
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	ECI 3	40620	2593	16.93	17.50	1.140	62.9	1.006	0.03	0.422	0.484
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	40185	2549.5	19.67	20.50	1.211	42.9	1.009	0.09	0.790	0.965
	LTE Band 41	20M	QPSK	1	0	-	Front	12mm	Ant 2	-	ECI 4	40620	2593	21.09	21.50	1.099	62.9	1.006	-0.02	0.091	0.101
	LTE Band 41	20M	QPSK	1	0	-	Back	22mm	Ant 2	-	ECI 4	40185	2549.5	21.03	21.50	1.114	62.9	1.006	0.15	0.031	0.035
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	22mm	Ant 2	-	ECI 4	40185	2549.5	23.72	24.50	1.197	42.9	1.009	0.15	0.079	0.095
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 7	-	ECI 3	40620	2593	17.01	18.00	1.256	62.9	1.006	-0.08	0.209	0.264
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 7	-	ECI 3	40620	2593	16.98	18.00	1.265	62.9	1.006	-0.08	0.151	0.192
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	40620	2593	17.01	18.00	1.256	62.9	1.006	0.11	0.566	0.715
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	39750	2506	16.53	18.00	1.403	62.9	1.006	-0.15	0.394	0.556
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	40185	2549.5	16.64	18.00	1.368	62.9	1.006	0.02	0.522	0.718
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	41055	2636.5	16.69	18.00	1.352	62.9	1.006	-0.03	0.576	0.783
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	41490	2680	16.89	18.00	1.291	62.9	1.006	-0.16	0.553	0.718
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	40620	2593	16.98	18.00	1.265	62.9	1.006	-0.02	0.445	0.566
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	39750	2506	16.51	18.00	1.409	62.9	1.006	0	0.311	0.441
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	40185	2549.5	16.71	18.00	1.346	62.9	1.006	-0.04	0.411	0.556
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	41055	2636.5	16.77	18.00	1.327	62.9	1.006	0.17	0.462	0.617
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	41490	2680	16.79	18.00	1.321	62.9	1.006	0.18	0.438	0.582
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 7	-	ECI 3	40620	2593	16.96	18.00	1.271	62.9	1.006	0.03	0.445	0.569
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	41055	2636.5	19.86	21.00	1.300	42.9	1.009	0.01	0.738	0.968
	LTE Band 41	20M	QPSK	1	0	-	Front	12mm	Ant 7	-	ECI 4	40620	2593	20.44	21.50	1.276	62.9	1.006	0.04	0.072	0.092
	LTE Band 41	20M	QPSK	1	0	-	Back	22mm	Ant 7	-	ECI 4	41055	2636.5	20.25	21.50	1.334	62.9	1.006	-0.16	0.077	0.103
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	22mm	Ant 7	-	ECI 4	41055	2636.5	23.29	24.50	1.321	42.9	1.009	0.03	0.102	0.136
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	19.78	20.50	1.180	-	-	0.08	0.605	0.714
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	19.74	20.50	1.191	-	-	0.01	0.613	0.730
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	19.58	20.50	1.236	-	-	0.03	0.522	0.645
92	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	19.78	20.50	1.180	-	-	0.08	0.969	1.144
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	19.74	20.50	1.191	-	-	-0.08	0.902	1.075
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	19.58	20.50	1.236	-	-	-0.08	0.763	0.943
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	12mm	Ant 1	-	ECI 4	507000	2535	23.16	24.00	1.213	-	-	-0.08	0.530	0.643



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	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	22mm	Ant 1	-	ECI 4	507000	2535	23.16	24.00	1.213	-	-	-0.18	0.297	0.360
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	19.67	20.50	1.211	-	-	0.08	0.726	0.879
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	19.66	20.50	1.213	-	-	0.01	0.693	0.841
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	19.59	20.50	1.233	-	-	0.03	0.659	0.813
93	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	19.67	20.50	1.211	-	-	-0.08	1.110	1.344
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	Headset	ECI 3	518598	2592.99	19.67	20.50	1.211	-	-	-0.04	0.777	0.941
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	19.66	20.50	1.213	-	-	0.1	1.050	1.274
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	19.59	20.50	1.233	-	-	-0.18	0.989	1.220
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Front	12mm	Ant 1	-	ECI 4	518598	2592.99	26.14	27.00	1.219	-	-	-0.13	0.458	0.558
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	22mm	Ant 1	-	ECI 4	518598	2592.99	26.14	27.00	1.219	-	-	0.01	0.251	0.306
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	518598	2592.99	15.86	16.50	1.159	-	-	-0.17	0.272	0.315
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	518598	2592.99	15.84	16.50	1.164	-	-	-0.03	0.312	0.363
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	518598	2592.99	15.81	16.50	1.172	-	-	0.14	0.304	0.356
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	518598	2592.99	15.86	16.50	1.159	-	-	0.11	0.594	0.688
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	518598	2592.99	15.84	16.50	1.164	-	-	0.05	0.845	0.984
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	518598	2592.99	15.81	16.50	1.172	-	-	-0.05	0.720	0.844
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 4	-	ECI 4	518598	2592.99	23.23	24.00	1.194	-	-	-0.05	0.374	0.447
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 4	-	ECI 4	518598	2592.99	23.23	24.00	1.194	-	-	-0.08	0.255	0.304
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	518598	2592.99	18.67	19.00	1.079	-	-	0.18	0.062	0.067
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	518598	2592.99	18.65	19.00	1.084	-	-	0.14	0.075	0.081
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	18.67	19.00	1.079	-	-	-0.06	0.827	0.892
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	18.65	19.00	1.084	-	-	-0.17	0.741	0.803
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	18.54	19.00	1.112	-	-	0.17	0.684	0.760
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Front	12mm	Ant 2	-	ECI 4	518598	2592.99	23.53	24.00	1.114	-	-	0	0.063	0.070
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	22mm	Ant 2	-	ECI 4	518598	2592.99	23.53	24.00	1.114	-	-	0.07	0.112	0.125
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	518598	2592.99	19.42	20.00	1.143	-	-	-0.05	0.255	0.291
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	518598	2592.99	19.41	20.00	1.146	-	-	0.01	0.257	0.294
	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	518598	2592.99	19.42	20.00	1.143	-	-	-0.17	0.571	0.653
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	518598	2592.99	19.41	20.00	1.146	-	-	0.04	0.612	0.701
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	518598	2592.99	19.36	20.00	1.159	-	-	-0.08	0.827	0.958
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 7	-	ECI 4	518598	2592.99	23.98	25.00	1.265	-	-	-0.03	0.245	0.310
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 7	-	ECI 4	518598	2592.99	23.98	25.00	1.265	-	-	-0.1	0.157	0.199
3500MHz																					
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	55830	3609	15.07	16.50	1.390	62.9	1.006	-0.11	0.207	0.289
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	55340	3560	14.91	16.50	1.442	62.9	1.006	-0.06	0.187	0.271
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	56150	3641	14.87	16.50	1.455	62.9	1.006	-0.15	0.197	0.288
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	56640	3690	14.91	16.50	1.442	62.9	1.006	0.03	0.187	0.271
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	55830	3609	15.06	16.50	1.393	62.9	1.006	-0.13	0.179	0.251
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	55340	3560	14.90	16.50	1.445	62.9	1.006	0.16	0.171	0.249
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	56150	3641	14.94	16.50	1.432	62.9	1.006	-0.15	0.168	0.242
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	56640	3690	14.99	16.50	1.416	62.9	1.006	-0.02	0.158	0.225
	LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 5	-	ECI 3	55830	3609	15.03	16.50	1.403	62.9	1.006	-0.09	0.161	0.227
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	55830	3609	15.07	16.50	1.390	62.9	1.006	0.14	0.426	0.596
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	55340	3560	14.91	16.50	1.442	62.9	1.006	0.1	0.455	0.660
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	56150	3641	14.87	16.50	1.455	62.9	1.006	-0.09	0.572	0.838
94	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	56640	3690	14.91	16.50	1.442	62.9	1.006	0.07	0.702	1.018
	LTE Band 48C	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	56640+ 56442	3690+ 3670.2	14.83	16.50	1.469	62.9	1.006	0.03	0.622	0.919
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	ECI 3	55830	3609	15.06	16.50	1.393	62.9	1.006	-0.16	0.340	0.477
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	ECI 3	55340	3560	14.90	16.50	1.445	62.9	1.006	-0.18	0.364	0.529
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	ECI 3	56150	3641	14.94	16.50	1.432	62.9	1.006	-0.07	0.428	0.617
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	ECI 3	56640	3690	14.99	16.50	1.416	62.9	1.006	0.11	0.411	0.585
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 5	-	ECI 3	55830	3609	15.03	16.50	1.403	62.9	1.006	-0.08	0.448	0.632
	LTE Band 48	20M	QPSK	1	0	-	Front	12mm	Ant 5	-	ECI 4	55830	3609	22.51	24.00	1.409	62.9	1.006	-0.1	0.133	0.189
	LTE Band 48	20M	QPSK	1	0	-	Back	22mm	Ant 5	-	ECI 4	56640	3690	22.46	24.00	1.426	62.9	1.006	-0.01	0.114	0.163
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	641666	3624.99	13.15	14.50	1.365	-	-	-0.12	0.193	0.263
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	641666	3624.99	13.11	14.50	1.377	-	-	-0.17	0.228	0.314
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	641666	3624.99	13.01	14.50	1.409	-	-	0.08	0.193	0.272



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	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	641666	3624.99	13.15	14.50	1.365	-	-	0.01	0.539	0.736
95	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	641666	3624.99	13.11	14.50	1.377	-	-	0.02	0.750	1.033
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	638000	3570	12.88	14.50	1.452	-	-	0.08	0.703	1.021
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	645332	3679.98	12.90	14.50	1.445	-	-	0.04	0.689	0.996
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	641666	3624.99	13.01	14.50	1.409	-	-	-0.11	0.518	0.730
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	12mm	Ant 5	-	ECI 4	641666	3624.99	22.03	23.00	1.250	-	-	-0.01	0.141	0.176
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	22mm	Ant 5	-	ECI 4	641666	3624.99	22.03	23.00	1.250	-	-	0.09	0.112	0.140
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	656000	3840	17.10	18.00	1.230	-	-	-0.01	0.154	0.189
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	656000	3840	17.05	18.00	1.245	-	-	-0.09	0.183	0.228
	FR1 n77(78) Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	656000	3840	17.02	18.00	1.253	-	-	-0.06	0.177	0.222
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	17.10	18.00	1.230	-	-	-0.17	0.412	0.507
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	17.05	18.00	1.245	-	-	0.03	0.500	0.622
	FR1 n77(78) Part 27O ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	13.94	15.00	1.276	-	-	0.03	0.266	0.340
	FR1 n77(78) Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	17.02	18.00	1.253	-	-	-0.01	0.441	0.553
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 5	-	ECI 4	656000	3840	26.02	27.00	1.253	-	-	0	0.598	0.749
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 5	-	ECI 4	656000	3840	26.02	27.00	1.253	-	-	0.07	0.306	0.383
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	633334	3500.01	17.06	18.00	1.242	-	-	-0.11	0.283	0.351
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	633334	3500.01	17.04	18.00	1.247	-	-	0.14	0.373	0.465
	FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	633334	3500.01	17.02	18.00	1.253	-	-	0.03	0.347	0.435
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	633334	3500.01	17.06	18.00	1.242	-	-	0.1	0.611	0.759
96	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	633334	3500.01	17.04	18.00	1.247	-	-	0.06	0.810	1.010
	FR1 n77(78) Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	633334	3500.01	13.91	15.00	1.285	-	-	0.06	0.401	0.515
	FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	633334	3500.01	17.02	18.00	1.253	-	-	0.16	0.804	1.008
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 5	-	ECI 4	633334	3500.01	26.09	27.00	1.233	-	-	-0.03	0.442	0.545
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 5	-	ECI 4	633334	3500.01	26.09	27.00	1.233	-	-	0.12	0.272	0.335
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	656000	3840	20.78	21.00	1.052	-	-	0.19	0.122	0.128
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	656000	3840	20.74	21.00	1.062	-	-	0.07	0.146	0.155
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	656000	3840	20.78	21.00	1.052	-	-	-0.18	0.423	0.445
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	656000	3840	20.74	21.00	1.062	-	-	0.06	0.521	0.553
	FR1 n77(78) Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	656000	3840	20.58	21.00	1.102	-	-	0.03	0.342	0.377
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	633334	3500.01	20.89	21.00	1.026	-	-	-0.17	0.305	0.313
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	633334	3500.01	20.82	21.00	1.042	-	-	-0.08	0.377	0.393
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	633334	3500.01	20.89	21.00	1.026	-	-	-0.04	0.600	0.615
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	633334	3500.01	20.82	21.00	1.042	-	-	0.03	0.822	0.857
	FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	633334	3500.01	20.58	21.00	1.102	-	-	-0.08	0.689	0.759
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	656000	3840	15.35	16.50	1.303	-	-	0.13	0.060	0.078
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	656000	3840	15.33	16.50	1.309	-	-	0.12	0.068	0.089
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	15.35	16.50	1.303	-	-	0.07	0.630	0.821
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	650000	3750	15.25	16.50	1.334	-	-	0.03	0.612	0.816
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	662000	3930	15.10	16.50	1.380	-	-	-0.08	0.605	0.835
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	15.33	16.50	1.309	-	-	0.03	0.742	0.971
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	650000	3750	15.15	16.50	1.365	-	-	-0.08	0.710	0.969
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	662000	3930	15.18	16.50	1.355	-	-	0.1	0.708	0.959
	FR1 n77(78) Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	656000	3840	15.32	16.50	1.312	-	-	0.08	0.573	0.752
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 8	-	ECI 4	656000	3840	19.27	20.00	1.183	-	-	-0.12	0.175	0.207
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 8	-	ECI 4	656000	3840	19.27	20.00	1.183	-	-	0.09	0.311	0.368
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	633334	3500.01	15.48	16.50	1.265	-	-	0.19	0.022	0.028
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 8	-	ECI 3	633334	3500.01	15.42	16.50	1.282	-	-	-0.06	0.033	0.042
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	633334	3500.01	15.48	16.50	1.265	-	-	0	0.246	0.311
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	633334	3500.01	15.42	16.50	1.282	-	-	-0.04	0.395	0.507
	FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 8	-	ECI 3	633334	3500.01	15.31	16.50	1.315	-	-	-0.03	0.350	0.460
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 8	-	ECI 4	633334	3500.01	19.41	20.00	1.146	-	-	0.11	0.124	0.142
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 8	-	ECI 4	633334	3500.01	19.41	20.00	1.146	-	-	0.12	0.175	0.200
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	656000	3840	13.94	14.50	1.138	-	-	0.08	0.084	0.096
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	656000	3840	13.90	14.50	1.148	-	-	0.01	0.116	0.133
	FR1 n77(78) Part 27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	13.94	14.50	1.138	-	-	0.03	0.512	0.582
	FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	13.90	14.50	1.148	-	-	-0.08	0.811	0.931



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FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	650000	3750	13.74	14.50	1.191	-	-	0.1	0.776	0.924
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	662000	3930	13.49	14.50	1.262	-	-	-0.18	0.727	0.917
FR1 n77(78) Part 27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	13.86	14.50	1.159	-	-	0.1	0.602	0.698
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 2	-	ECI 6	656000	3840	15.82	16.50	1.169	-	-	-0.15	0.110	0.129
FR1 n77(78) Part 27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 2	-	ECI 6	656000	3840	15.82	16.50	1.169	-	-	0.07	0.216	0.253
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	633334	3500.01	13.64	14.50	1.219	-	-	0.12	0.041	0.050
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	633334	3500.01	13.60	14.50	1.230	-	-	0.08	0.067	0.082
FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	633334	3500.01	13.64	14.50	1.219	-	-	-0.17	0.295	0.360
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	633334	3500.01	13.60	14.50	1.230	-	-	-0.03	0.414	0.509
FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	633334	3500.01	13.50	14.50	1.259	-	-	0.14	0.434	0.546
FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	12mm	Ant 2	-	ECI 6	633334	3500.01	15.63	16.50	1.222	-	-	-0.05	0.080	0.098
FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	22mm	Ant 2	-	ECI 6	633334	3500.01	15.58	16.50	1.236	-	-	-0.15	0.138	0.171



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Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
BT/WLAN																	
97	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Standalone	11	2462	18.49	20.00	1.416	99.14	1.009	-0.16	0.331	0.473
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	11	2462	18.49	20.00	1.416	99.14	1.009	0.05	0.765	1.093
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	6	2437	18.38	20.00	1.452	99.14	1.009	0.06	0.831	1.218
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	Headset	Standalone	6	2437	18.38	20.00	1.452	99.14	1.009	-0.05	0.692	1.014
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Simultaneous	6	2437	13.89	15.50	1.449	99.14	1.009	-0.08	0.107	0.156
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Simultaneous	6	2437	13.89	15.50	1.449	99.14	1.009	-0.11	0.247	0.361
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	1	2412	18.12	20.00	1.542	99.14	1.009	-0.09	0.731	1.137
	WLAN2.4GHz	802.11g 6Mbps	Back	5mm	Ant 6	-	Standalone	6	2437	18.18	20.00	1.521	96.7	1.034	-0.02	0.701	1.102
	WLAN2.4GHz	802.11b 1Mbps	Front	12mm	Ant 6	-	Full Power	1	2412	20.23	22.00	1.504	99.14	1.009	0.16	0.156	0.237
	WLAN2.4GHz	802.11b 1Mbps	Back	22mm	Ant 6	-	Full Power	1	2412	20.23	22.00	1.504	99.14	1.009	-0.03	0.088	0.134
98	Bluetooth	1Mbps	Front	5mm	Ant 6	-	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	0.16	0.048	0.059
	Bluetooth	1Mbps	Back	5mm	Ant 6	-	Full Power	39	2441	12.46	13.00	1.132	76.74	1.085	0.06	0.093	0.114
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	58	5290	13.19	14.50	1.353	88.14	1.135	0.08	0.106	0.163
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	58	5290	13.19	14.50	1.353	88.14	1.135	-0.18	0.720	1.105
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	58	5290	8.05	9.50	1.396	88.14	1.135	-0.03	0.244	0.387
	WLAN5.3GHz	802.11a 6Mbps	Front	12mm	Ant 6	-	Full Power	60	5300	19.95	21.50	1.428	96.98	1.031	-0.03	0.301	0.443
	WLAN5.3GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	60	5300	19.95	21.50	1.428	96.98	1.031	-0.03	0.453	0.667
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	138	5690	13.05	14.50	1.396	88.14	1.135	-0.04	0.082	0.130
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	138	5690	13.05	14.50	1.396	88.14	1.135	-0.09	0.698	1.106
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	122	5610	12.95	14.50	1.429	88.14	1.135	-0.02	0.605	0.981
100	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	138	5690	8.64	10.00	1.368	88.14	1.135	0.18	0.254	0.394
	WLAN5.5GHz	802.11a 6Mbps	Front	12mm	Ant 6	-	Full Power	116	5580	19.55	21.00	1.395	96.98	1.031	0.16	0.164	0.236
	WLAN5.5GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	116	5580	19.55	21.00	1.395	96.98	1.031	0.13	0.300	0.432
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	155	5775	14.76	16.00	1.330	88.14	1.135	0.08	0.103	0.156
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	155	5775	14.76	16.00	1.330	88.14	1.135	0.06	0.763	1.152
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	155	5775	9.28	10.50	1.324	88.14	1.135	0.05	0.227	0.341
	WLAN5.8GHz	802.11a 6Mbps	Front	12mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	-0.18	0.238	0.343
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
101	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 6	-	Standalone	155	5775	14.76	16.00	1.330	88.14	1.135	0.08	0.103	0.156
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Standalone	155	5775	14.76	16.00	1.330	88.14	1.135	0.06	0.763	1.152
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 6	-	Simultaneous	155	5775	9.28	10.50	1.324	88.14	1.135	0.05	0.227	0.341
	WLAN5.8GHz	802.11a 6Mbps	Front	12mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	-0.18	0.238	0.343
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 6	-	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.02	0.214	0.309



15.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
750MHz																				
	LTE Band 13	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	23230	782	22.75	24.00	1.334	-	-	0.12	1.090	1.454
	LTE Band 13	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECI 6	23230	782	21.57	23.00	1.390	-	-	0.08	0.874	1.215
102	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	23230	782	22.75	24.00	1.334	-	-	0.05	1.620	2.160
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 0	ECI 6	23230	782	21.57	23.00	1.390	-	-	-0.17	1.280	1.779
	LTE Band 13	10M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	23230	782	21.76	23.00	1.330	-	-	-0.03	1.280	1.703
	LTE Band 13	10M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	23230	782	22.31	23.00	1.172	-	-	0.06	0.775	0.908
	LTE Band 13	10M	QPSK	25	0	-	Back	0mm	Ant 4	ECI 6	23230	782	21.09	22.00	1.233	-	-	0.07	0.619	0.763
	LTE Band 13	10M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	23230	782	22.31	23.00	1.172	-	-	0.16	0.505	0.592
	LTE Band 13	10M	QPSK	25	0	-	Top Side	0mm	Ant 4	ECI 6	23230	782	21.09	22.00	1.233	-	-	0.13	0.390	0.481
	LTE Band 14	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	23330	793	22.77	24.00	1.327	-	-	0.14	1.100	1.460
	LTE Band 14	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECI 6	23330	793	21.80	23.00	1.318	-	-	0.11	0.884	1.165
103	LTE Band 14	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	23330	793	22.77	24.00	1.327	-	-	0.09	1.760	2.336
	LTE Band 14	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 0	ECI 6	23330	793	21.80	23.00	1.318	-	-	-0.05	1.380	1.819
	LTE Band 14	10M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	23330	793	21.78	23.00	1.324	-	-	0.18	1.380	1.828
835MHz																				
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	189	836.4	25.30	26.50	1.318	-	-	0.14	1.680	2.215
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	128	824.2	25.16	26.50	1.361	-	-	0.11	1.710	2.328
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	251	848.8	25.21	26.50	1.346	-	-	-0.05	1.640	2.207
104	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	189	836.4	25.30	26.50	1.318	-	-	-0.15	2.510	3.309
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	128	824.2	25.16	26.50	1.361	-	-	0.18	2.290	3.118
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	251	848.8	25.21	26.50	1.346	-	-	0.05	1.480	1.992
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	16mm	Ant 0	ECI 4	128	824.2	28.21	29.50	1.346	-	-	0.15	0.294	0.396
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	17mm	Ant 0	ECI 4	189	836.4	28.32	29.50	1.312	-	-	0.03	0.239	0.314
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4182	836.4	22.29	23.50	1.321	-	-	0.08	1.650	2.180
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4132	826.4	22.13	23.50	1.371	-	-	-0.17	1.780	2.440
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4233	846.6	22.15	23.50	1.365	-	-	-0.03	1.690	2.306
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	4182	836.4	22.29	23.50	1.321	-	-	0.07	2.040	2.695
105	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	4132	826.4	22.13	23.50	1.371	-	-	-0.18	2.620	3.592
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	4233	846.6	22.15	23.50	1.365	-	-	0.03	1.830	2.497
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 0	ECI 4	4132	826.4	22.66	24.00	1.361	-	-	0.08	0.169	0.230
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	17mm	Ant 0	ECI 4	4132	826.4	22.66	24.00	1.361	-	-	-0.15	0.117	0.159
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	21.67	23.00	1.358	-	-	-0.18	1.660	2.255
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	21.64	23.00	1.368	-	-	0.1	1.410	1.928
	LTE Band 26	15M	QPSK	75	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	21.65	23.00	1.365	-	-	0.12	1.330	1.815
106	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	26865	831.5	21.67	23.00	1.358	-	-	0.03	2.340	3.178
	LTE Band 5B	10M	QPSK	1	49	-	Bottom Side	0mm	Ant 0	ECI 6	20476+20575	831.6+836.5	21.45	23.00	1.429	-	-	0.06	2.020	2.886
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	0mm	Ant 0	ECI 6	26865	831.5	21.64	23.00	1.368	-	-	0.1	1.870	2.558
	LTE Band 26	15M	QPSK	75	0	-	Bottom Side	0mm	Ant 0	ECI 6	26865	831.5	21.65	23.00	1.365	-	-	-0.17	1.890	2.579
	LTE Band 26	15M	QPSK	1	0	-	Back	16mm	Ant 0	ECI 4	26865	831.5	22.65	24.00	1.365	-	-	0.03	0.235	0.321
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	17mm	Ant 0	ECI 4	26865	831.5	22.65	24.00	1.365	-	-	0.01	0.210	0.287
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	166300	831.5	22.91	24.00	1.285	-	-	0.08	2.100	2.699
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	166300	831.5	22.87	24.00	1.297	-	-	0.01	1.880	2.439
	FR1 n26	20M	QPSK	100	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	166300	831.5	21.86	23.00	1.300	-	-	0.03	1.960	2.548
107	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	166300	831.5	22.91	24.00	1.285	-	-	-0.08	2.650	3.406
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	166300	831.5	22.87	24.00	1.297	-	-	-0.08	2.550	3.308
	FR1 n26	20M	QPSK	100	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	166300	831.5	21.86	23.00	1.300	-	-	0.1	2.480	3.224
	FR1 n5	25M	QPSK	1	67	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	167300	836.5	22.92	24.00	1.282	-	-	-0.08	1.740	2.231
108	FR1 n5	25M	QPSK	64	35	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	167300	836.5	22.86	24.00	1.300	-	-	0.02	1.870	2.431
	FR1 n5	25M	QPSK	128	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	167300	836.5	21.83	23.00	1.309	-	-	-0.08	1.490	1.951
1750MHz																				



FCC SAR Test Report

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	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	1413	1732.6	19.52	21.00	1.406	-	-	0.08	1.810	2.545
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	1312	1712.4	19.49	21.00	1.416	-	-	0.01	1.820	2.577
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	1513	1752.6	19.49	21.00	1.416	-	-	0.03	1.800	2.548
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	1413	1732.6	19.52	21.00	1.406	-	-	-0.08	2.110	2.967
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	1312	1712.4	19.49	21.00	1.416	-	-	-0.08	1.920	2.718
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	1513	1752.6	19.49	21.00	1.416	-	-	0.1	2.140	3.030
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1413	1732.6	19.52	21.00	1.406	-	-	-0.08	2.460	3.459
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1312	1712.4	19.49	21.00	1.416	-	-	-0.13	2.380	3.370
109	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1513	1752.6	19.49	21.00	1.416	-	-	-0.13	2.500	3.539
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 0	ECI 4	1312	1712.4	22.48	24.00	1.419	-	-	0.06	0.289	0.410
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 0	ECI 4	1513	1752.6	22.35	24.00	1.462	-	-	0.04	0.233	0.341
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	17mm	Ant 0	ECI 4	1513	1752.6	22.35	24.00	1.462	-	-	-0.03	0.548	0.801
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	132322	1745	19.61	21.00	1.377	-	-	0.08	1.700	2.341
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	132072	1720	19.52	21.00	1.406	-	-	0.01	1.710	2.404
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	132572	1770	19.58	21.00	1.387	-	-	0.03	1.650	2.288
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	132322	1745	19.57	21.00	1.390	-	-	-0.08	1.360	1.890
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 0	ECI 6	132322	1745	19.55	21.00	1.396	-	-	-0.18	1.330	1.857
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	132322	1745	19.61	21.00	1.377	-	-	0.1	2.110	2.906
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	132072	1720	19.52	21.00	1.406	-	-	0.12	1.900	2.671
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	132572	1770	19.58	21.00	1.387	-	-	0.08	2.220	3.079
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	132322	1745	19.57	21.00	1.390	-	-	-0.17	1.700	2.363
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	132072	1720	19.49	21.00	1.416	-	-	-0.03	1.560	2.209
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	132572	1770	19.54	21.00	1.400	-	-	0.14	1.820	2.547
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 0	ECI 6	132322	1745	19.55	21.00	1.396	-	-	0.11	1.680	2.346
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	132322	1745	19.61	21.00	1.377	-	-	0.02	2.470	3.402
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	132072	1720	19.52	21.00	1.406	-	-	0.12	2.360	3.318
110	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	132572	1770	19.58	21.00	1.387	-	-	-0.16	2.500	3.467
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	132572+ 132374	1770+ 1750.2	19.52	21.00	1.406	-	-	0.04	2.410	3.389
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	132072+ 132270	1720+ 1739.8	19.50	21.00	1.413	-	-	0.05	2.359	3.332
	LTE Band 66C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	132322+ 132520	1745+ 1764.8	19.69	21.00	1.352	-	-	0.07	2.380	3.218
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	132322	1745	19.57	21.00	1.390	-	-	0.07	2.000	2.780
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	132072	1720	19.49	21.00	1.416	-	-	-0.02	1.920	2.718
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	132572	1770	19.54	21.00	1.400	-	-	-0.05	2.110	2.953
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	ECI 6	132322	1745	19.55	21.00	1.396	-	-	-0.13	1.970	2.751
	LTE Band 66	20M	QPSK	1	0	-	Front	9mm	Ant 0	ECI 4	132572	1770	22.41	24.00	1.442	-	-	0.06	0.315	0.454
	LTE Band 66	20M	QPSK	1	0	-	Back	16mm	Ant 0	ECI 4	132572	1770	22.41	24.00	1.442	-	-	0.08	0.254	0.366
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	17mm	Ant 0	ECI 4	132572	1770	22.41	24.00	1.442	-	-	0.05	0.534	0.770
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECI 6	132322	1745	19.26	20.00	1.186	-	-	-0.17	1.130	1.340
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECI 6	132322	1745	19.14	20.00	1.219	-	-	-0.08	0.911	1.110
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	132322	1745	19.26	20.00	1.186	-	-	-0.08	1.490	1.767
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	132322	1745	19.14	20.00	1.219	-	-	0.03	1.200	1.463
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	132322	1745	19.26	20.00	1.186	-	-	0.07	1.850	2.194
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	132072	1720	19.11	20.00	1.227	-	-	0.18	1.800	2.209
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	132572	1770	19.22	20.00	1.197	-	-	-0.1	2.100	2.513
	LTE Band 66 Other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	132572	1770	18.99	20.00	1.262	-	-	0.05	1.980	2.498
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECI 6	132322	1745	19.14	20.00	1.219	-	-	-0.15	1.460	1.780
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	ECI 6	132322	1745	19.16	20.00	1.213	-	-	-0.18	1.440	1.747
	LTE Band 66	20M	QPSK	1	0	-	Front	6mm	Ant 4	ECI 4	132322	1745	21.01	22.00	1.256	-	-	0.03	0.255	0.320
	LTE Band 66	20M	QPSK	1	0	-	Back	14mm	Ant 4	ECI 4	132322	1745	21.01	22.00	1.256	-	-	-0.15	0.149	0.187
	LTE Band 66	20M	QPSK	1	0	-	Top Side	14mm	Ant 4	ECI 4	132572	1770	20.96	22.00	1.271	-	-	-0.15	0.312	0.396
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	340500	1702.5	21.02	22.00	1.253	-	-	0.03	1.490	1.867
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	340500	1702.5	20.97	22.00	1.268	-	-	0.18	1.540	1.952
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	340500	1702.5	21.02	22.00	1.253	-	-	-0.1	1.480	1.855
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	340500	1702.5	20.97	22.00	1.268	-	-	0.07	1.610	2.041
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	340500	1702.5	20.18	22.00	1.521	-	-	0.18	1.220	1.855



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111	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	340500	1702.5	21.02	22.00	1.253	-	-	-0.02	2.390	2.995
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	340500	1702.5	20.97	22.00	1.268	-	-	-0.1	2.060	2.611
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	340500	1702.5	20.18	22.00	1.521	-	-	0.01	1.900	2.889
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	340500	1702.5	22.98	24.00	1.265	-	-	0.18	0.480	0.607
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	340500	1702.5	22.92	24.00	1.282	-	-	0.18	0.508	0.651
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	16mm	Ant 0	ECI 4	340500	1702.5	22.98	24.00	1.265	-	-	0.07	0.238	0.301
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	16mm	Ant 0	ECI 4	340500	1702.5	22.92	24.00	1.282	-	-	0.07	0.252	0.323
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	17mm	Ant 0	ECI 4	340500	1702.5	22.98	24.00	1.265	-	-	-0.02	0.286	0.362
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 4	ECI 6	340500	1702.5	21.87	23.00	1.297	-	-	-0.17	1.180	1.531
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	0mm	Ant 4	ECI 6	340500	1702.5	21.81	23.00	1.315	-	-	-0.08	1.250	1.644
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	340500	1702.5	21.87	23.00	1.297	-	-	-0.04	1.680	2.179
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	340500	1702.5	21.81	23.00	1.315	-	-	-0.08	1.670	2.196
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	340500	1702.5	21.13	22.00	1.222	-	-	0.17	1.330	1.625
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	340500	1702.5	21.87	23.00	1.297	-	-	0.18	1.920	2.491
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	340500	1702.5	21.81	23.00	1.315	-	-	-0.01	2.120	2.788
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	340500	1702.5	21.13	22.00	1.222	-	-	-0.04	1.680	2.053
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	19.78	21.50	1.486	-	-	-0.11	1.590	2.363
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	20.35	21.50	1.303	-	-	-0.12	1.740	2.268
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	20.37	21.50	1.297	-	-	0.03	1.430	1.855
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	19.78	21.50	1.486	-	-	-0.16	1.760	2.615
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	20.35	21.50	1.303	-	-	-0.02	2.130	2.776
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	20.37	21.50	1.297	-	-	0.15	1.600	2.075
112	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	19.78	21.50	1.486	-	-	-0.09	2.150	3.195
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	20.35	21.50	1.303	-	-	0.01	2.320	3.023
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	20.37	21.50	1.297	-	-	0.11	1.920	2.491
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	349000	1745	22.93	24.00	1.279	-	-	-0.08	0.441	0.564
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	349000	1745	22.89	24.00	1.291	-	-	0.13	0.486	0.628
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Back	16mm	Ant 0	ECI 4	349000	1745	22.93	24.00	1.279	-	-	0.12	0.231	0.296
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	16mm	Ant 0	ECI 4	349000	1745	22.89	24.00	1.291	-	-	0.03	0.264	0.341
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	17mm	Ant 0	ECI 4	349000	1745	22.93	24.00	1.279	-	-	0.18	0.285	0.365
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Bottom Side	17mm	Ant 0	ECI 4	349000	1745	22.89	24.00	1.291	-	-	0.16	0.343	0.443
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Front	0mm	Ant 4	ECI 6	349000	1745	20.90	22.00	1.288	-	-	0.13	0.994	1.281
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	0mm	Ant 4	ECI 6	349000	1745	20.89	22.00	1.291	-	-	-0.18	1.140	1.472
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	349000	1745	20.90	22.00	1.288	-	-	0.16	1.260	1.623
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	349000	1745	20.89	22.00	1.291	-	-	-0.03	1.380	1.782
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	349000	1745	20.90	22.00	1.288	-	-	0	1.660	2.138
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	349000	1745	20.89	22.00	1.291	-	-	-0.01	1.940	2.505
	FR1 n66 Other PA	45M	QPSK	121	61	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	349000	1745	20.88	22.00	1.294	-	-	0.08	1.610	2.084
	FR1 n66	45M	QPSK	242	0	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	349000	1745	20.84	22.00	1.306	-	-	0.01	1.500	1.959
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Front	6mm	Ant 4	ECI 4	349000	1745	21.82	23.00	1.312	-	-	-0.11	0.275	0.361
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Front	6mm	Ant 4	ECI 4	349000	1745	21.75	23.00	1.334	-	-	-0.12	0.339	0.452
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Back	14mm	Ant 4	ECI 4	349000	1745	21.82	23.00	1.312	-	-	0.03	0.168	0.220
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Back	14mm	Ant 4	ECI 4	349000	1745	21.75	23.00	1.334	-	-	-0.16	0.197	0.263
	FR1 n66	45M	QPSK	1	61	DFT-SCS-15KHz	Top Side	14mm	Ant 4	ECI 4	349000	1745	21.82	23.00	1.312	-	-	-0.02	0.180	0.236
	FR1 n66	45M	QPSK	121	61	DFT-SCS-15KHz	Top Side	14mm	Ant 4	ECI 4	349000	1745	21.75	23.00	1.334	-	-	0.15	0.209	0.279
1900MHz																				
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	0mm	Ant 0	ECI 6	661	1880	22.90	23.50	1.148	-	-	-0.17	2.470	2.836
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	0mm	Ant 0	ECI 6	512	1850.2	22.85	23.50	1.161	-	-	-0.03	2.360	2.741
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	0mm	Ant 0	ECI 6	810	1909.8	22.47	23.50	1.268	-	-	0.14	2.500	3.169
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	ECI 6	661	1880	22.90	23.50	1.148	-	-	0.11	2.630	3.020
113	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	ECI 6	512	1850.2	22.85	23.50	1.161	-	-	-0.05	2.760	3.206
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	ECI 6	810	1909.8	22.47	23.50	1.268	-	-	0.18	2.400	3.042
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	661	1880	22.90	23.50	1.148	-	-	0.14	2.180	2.503
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	512	1850.2	22.85	23.50	1.161	-	-	-0.17	2.420	2.811
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	810	1909.8	22.47	23.50	1.268	-	-	0.17	2.120	2.687
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Front	9mm	Ant 0	ECI 4	661	1880	26.34	27.50	1.306	-	-	-0.09	0.886	1.157



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	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	16mm	Ant 0	ECI 4	512	1850.2	26.28	27.50	1.324	-	-	0.11	0.623	0.825
	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Bottom Side	17mm	Ant 0	ECI 4	512	1850.2	26.28	27.50	1.324	-	-	-0.05	0.737	0.976
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9400	1880	17.02	18.50	1.406	-	-	0.16	1.550	2.179
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9262	1852.4	16.85	18.50	1.462	-	-	0.01	1.510	2.208
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9538	1907.6	16.94	18.50	1.432	-	-	-0.04	1.470	2.105
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9400	1880	17.02	18.50	1.406	-	-	0.13	1.680	2.362
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9262	1852.4	16.85	18.50	1.462	-	-	0.12	1.550	2.266
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9538	1907.6	16.94	18.50	1.432	-	-	0.07	1.670	2.392
114	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9400	1880	17.02	18.50	1.406	-	-	0.05	2.480	3.487
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9262	1852.4	16.85	18.50	1.462	-	-	0.08	2.340	3.421
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9538	1907.6	16.94	18.50	1.432	-	-	0.19	2.290	3.280
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 0	ECI 4	9400	1880	22.47	24.00	1.422	-	-	-0.04	0.753	1.071
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	16mm	Ant 0	ECI 4	9538	1907.6	22.42	24.00	1.439	-	-	0.02	1.020	1.468
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	17mm	Ant 0	ECI 4	9400	1880	22.47	24.00	1.422	-	-	-0.07	1.380	1.963
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	26340	1880	17.36	18.50	1.300	-	-	0.17	1.930	2.509
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	26140	1860	17.12	18.50	1.374	-	-	0.18	1.660	2.281
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	26590	1905	17.25	18.50	1.334	-	-	-0.04	1.520	2.027
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	26340	1880	17.34	18.50	1.306	-	-	-0.08	1.490	1.946
	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 0	ECI 6	26340	1880	17.31	18.50	1.315	-	-	0.06	1.490	1.960
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26340	1880	17.36	18.50	1.300	-	-	-0.03	1.370	1.781
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	26340	1880	17.34	18.50	1.306	-	-	-0.07	1.110	1.450
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	26340	1880	17.36	18.50	1.300	-	-	0.03	2.170	2.821
115	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	26140	1860	17.12	18.50	1.374	-	-	-0.16	2.540	3.490
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	26590	1905	17.25	18.50	1.334	-	-	-0.02	1.380	1.840
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	26340	1880	17.34	18.50	1.306	-	-	0.15	1.760	2.299
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	26140	1860	17.13	18.50	1.371	-	-	-0.09	2.340	3.208
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	26590	1905	17.29	18.50	1.321	-	-	0.11	1.110	1.467
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 0	ECI 6	26340	1880	17.31	18.50	1.315	-	-	-0.05	1.760	2.315
	LTE Band 25	20M	QPSK	1	0	-	Front	9mm	Ant 0	ECI 4	26340	1880	22.79	24.00	1.321	-	-	0.16	0.703	0.929
	LTE Band 25	20M	QPSK	1	0	-	Back	16mm	Ant 0	ECI 4	26340	1880	22.79	24.00	1.321	-	-	0.05	0.430	0.568
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	17mm	Ant 0	ECI 4	26140	1860	22.63	24.00	1.371	-	-	0.05	0.546	0.749
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECI 6	26340	1880	18.32	19.00	1.169	-	-	-0.01	0.975	1.140
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECI 6	26340	1880	18.30	19.00	1.175	-	-	-0.14	0.780	0.916
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	26340	1880	18.32	19.00	1.169	-	-	0.16	1.270	1.485
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	26340	1880	18.30	19.00	1.175	-	-	0.13	1.020	1.198
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	26340	1880	18.32	19.00	1.169	-	-	0.19	2.150	2.514
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	26140	1860	18.11	19.00	1.227	-	-	-0.06	1.800	2.209
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	26590	1905	18.19	19.00	1.205	-	-	0	1.830	2.205
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECI 6	26340	1880	18.30	19.00	1.175	-	-	-0.03	1.530	1.798
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	ECI 6	26340	1880	18.29	19.00	1.178	-	-	-0.03	1.530	1.802
	LTE Band 25 Other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	26340	1880	18.33	19.00	1.167	-	-	0.02	1.880	2.194
	LTE Band 25	20M	QPSK	1	0	-	Front	6mm	Ant 4	ECI 4	26340	1880	21.27	22.00	1.183	-	-	0.12	0.309	0.366
	LTE Band 25	20M	QPSK	1	0	-	Back	14mm	Ant 4	ECI 4	26340	1880	21.27	22.00	1.183	-	-	0.02	0.201	0.238
	LTE Band 25	20M	QPSK	1	0	-	Top Side	14mm	Ant 4	ECI 4	26340	1880	21.27	22.00	1.183	-	-	-0.03	0.209	0.247
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376500	1882.5	19.74	20.50	1.191	-	-	0.08	1.280	1.525
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376500	1882.5	19.69	20.50	1.205	-	-	-0.17	1.530	1.844
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376500	1882.5	19.74	20.50	1.191	-	-	0.14	1.380	1.644
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376500	1882.5	19.69	20.50	1.205	-	-	0.11	1.580	1.904
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376500	1882.5	19.74	20.50	1.191	-	-	0.18	2.380	2.835
116	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376500	1882.5	19.69	20.50	1.205	-	-	-0.05	2.570	3.097
	FR1 n25	45M	QPSK	242	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376500	1882.5	19.73	20.50	1.194	-	-	0.03	2.250	2.686
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	376500	1882.5	23.17	24.00	1.211	-	-	0.01	0.487	0.590
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Back	16mm	Ant 0	ECI 4	376500	1882.5	23.17	24.00	1.211	-	-	-0.11	0.353	0.427
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Bottom Side	17mm	Ant 0	ECI 4	376500	1882.5	23.17	24.00	1.211	-	-	0.03	0.480	0.581
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Front	0mm	Ant 4	ECI 6	376500	1882.5	21.22	22.00	1.197	-	-	-0.08	0.953	1.140
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Front	0mm	Ant 4	ECI 6	376500	1882.5	21.13	22.00	1.222	-	-	0.05	1.110	1.356



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	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	376500	1882.5	21.22	22.00	1.197	-	-	-0.09	1.290	1.544
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	376500	1882.5	21.13	22.00	1.222	-	-	-0.08	1.520	1.857
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376500	1882.5	21.22	22.00	1.197	-	-	0.12	1.630	1.951
	FR1 n25	45M	QPSK	121	61	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376500	1882.5	21.13	22.00	1.222	-	-	0.02	2.020	2.468
	FR1 n25 Other PA	45M	QPSK	121	61	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376500	1882.5	20.73	22.00	1.340	-	-	-0.05	1.830	2.452
	FR1 n25	45M	QPSK	242	0	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376500	1882.5	21.04	22.00	1.247	-	-	0.03	1.640	2.046
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Front	6mm	Ant 4	ECI 4	376500	1882.5	22.07	23.00	1.239	-	-	-0.08	0.287	0.356
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Back	14mm	Ant 4	ECI 4	376500	1882.5	22.07	23.00	1.239	-	-	-0.08	0.181	0.224
	FR1 n25	45M	QPSK	1	61	DFT-SCS-15KHz	Top Side	14mm	Ant 4	ECI 4	376500	1882.5	22.07	23.00	1.239	-	-	-0.13	0.198	0.245
2300MHz																				
	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	27710	2310	21.04	22.50	1.400	-	-	0.01	1.820	2.547
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant 1	ECI 6	27710	2310	21.02	22.50	1.406	-	-	-0.01	1.420	1.997
	LTE Band 30	10M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	27710	2310	20.93	22.50	1.435	-	-	-0.06	1.420	2.038
117	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	27710	2310	21.04	22.50	1.400	-	-	-0.04	2.420	3.387
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 1	ECI 6	27710	2310	21.02	22.50	1.406	-	-	-0.09	2.010	2.826
	LTE Band 30	10M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	27710	2310	20.93	22.50	1.435	-	-	-0.17	2.000	2.871
	LTE Band 30	10M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	27710	2310	21.04	22.50	1.400	-	-	-0.1	1.630	2.281
	LTE Band 30	10M	QPSK	25	0	-	Left Side	0mm	Ant 1	ECI 6	27710	2310	21.02	22.50	1.406	-	-	0.18	1.280	1.800
	LTE Band 30	10M	QPSK	50	0	-	Left Side	0mm	Ant 1	ECI 6	27710	2310	20.93	22.50	1.435	-	-	-0.17	1.270	1.823
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	27710	2310	21.04	22.50	1.400	-	-	-0.04	1.390	1.945
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 1	ECI 6	27710	2310	21.02	22.50	1.406	-	-	-0.05	1.090	1.533
	LTE Band 30	10M	QPSK	1	0	-	Front	4mm	Ant 1	ECI 4	27710	2310	22.34	24.00	1.466	-	-	-0.13	0.329	0.482
	LTE Band 30	10M	QPSK	1	0	-	Back	14mm	Ant 1	ECI 4	27710	2310	22.34	24.00	1.466	-	-	-0.01	0.104	0.152
	LTE Band 30	10M	QPSK	1	0	-	Left Side	9mm	Ant 1	ECI 4	27710	2310	22.34	24.00	1.466	-	-	-0.09	0.121	0.177
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	ECI 4	27710	2310	22.34	24.00	1.466	-	-	0.05	0.364	0.533
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Front	0mm	Ant 4	ECI 6	27710	2310	15.95	16.50	1.135	-	-	0.17	0.512	0.581
	LTE Band 30 ENDC	10M	QPSK	25	0	-	Front	0mm	Ant 4	ECI 6	27710	2310	15.93	16.50	1.140	-	-	-0.16	0.419	0.478
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	27710	2310	15.95	16.50	1.135	-	-	0.11	0.640	0.726
	LTE Band 30 ENDC	10M	QPSK	25	0	-	Back	0mm	Ant 4	ECI 6	27710	2310	15.93	16.50	1.140	-	-	-0.05	0.516	0.588
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	27710	2310	15.95	16.50	1.135	-	-	-0.14	1.150	1.305
	LTE Band 30 ENDC	10M	QPSK	25	0	-	Top Side	0mm	Ant 4	ECI 6	27710	2310	15.93	16.50	1.140	-	-	-0.15	0.836	0.953
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Front	6mm	Ant 4	ECI 4	27710	2310	22.43	23.00	1.140	-	-	-0.17	0.451	0.514
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Back	14mm	Ant 4	ECI 4	27710	2310	22.43	23.00	1.140	-	-	0.08	0.300	0.342
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Top Side	14mm	Ant 4	ECI 4	27710	2310	22.43	23.00	1.140	-	-	0.01	0.356	0.406
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	462000	2310	23.28	24.00	1.180	-	-	0.03	1.840	2.172
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	462000	2310	23.21	24.00	1.199	-	-	-0.15	1.870	2.243
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	462000	2310	22.12	23.00	1.225	-	-	-0.05	1.790	2.192
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	462000	2310	23.28	24.00	1.180	-	-	-0.15	2.280	2.691
118	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	462000	2310	23.21	24.00	1.199	-	-	0.11	2.340	2.807
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	462000	2310	22.12	23.00	1.225	-	-	-0.08	1.820	2.229
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 1	ECI 6	462000	2310	23.28	24.00	1.180	-	-	-0.17	1.690	1.995
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Left Side	0mm	Ant 1	ECI 6	462000	2310	23.21	24.00	1.199	-	-	-0.08	1.690	2.027
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Left Side	0mm	Ant 1	ECI 6	462000	2310	22.12	23.00	1.225	-	-	0.09	1.640	2.008
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	21100	2535	19.06	20.50	1.393	-	-	-0.13	1.920	2.675
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	20850	2510	18.85	20.50	1.462	-	-	0.08	2.100	3.071
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	21350	2560	18.60	20.50	1.549	-	-	0.16	1.750	2.710
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	21100	2535	19.02	20.50	1.406	-	-	0.01	1.550	2.179
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	20850	2510	18.89	20.50	1.449	-	-	-0.16	1.660	2.405
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	21350	2560	18.74	20.50	1.500	-	-	0.1	1.520	2.280
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 1	ECI 6	21100	2535	18.95	20.50	1.429	-	-	-0.04	1.540	2.200
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	19.06	20.50	1.393	-	-	-0.01	2.270	3.162
119	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	20850	2510	18.85	20.50	1.462	-	-	0.01	2.360	3.451
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	21350	2560	18.60	20.50	1.549	-	-	-0.11	2.220	3.438
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	19.02	20.50	1.406	-	-	-0.06	1.840	2.587
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	20850	2510	18.89	20.50	1.449	-	-	-0.15	1.970	2.854



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	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	21350	2560	18.74	20.50	1.500	-	-	0.03	1.860	2.789
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	18.95	20.50	1.429	-	-	-0.13	1.830	2.615
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	21100	2535	19.06	20.50	1.393	-	-	0.16	1.790	2.494
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	20850	2510	18.85	20.50	1.462	-	-	-0.15	1.990	2.910
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	21350	2560	18.60	20.50	1.549	-	-	-0.02	1.820	2.819
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	ECI 6	21100	2535	19.02	20.50	1.406	-	-	-0.09	1.420	1.997
	LTE Band 7	20M	QPSK	100	0	-	Left Side	0mm	Ant 1	ECI 6	21100	2535	18.95	20.50	1.429	-	-	-0.09	1.410	2.015
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	19.06	20.50	1.393	-	-	0.07	1.650	2.299
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	20850	2510	18.85	20.50	1.462	-	-	-0.09	1.820	2.661
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21350	2560	18.60	20.50	1.549	-	-	-0.16	1.710	2.648
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	19.02	20.50	1.406	-	-	-0.18	1.340	1.884
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	18.95	20.50	1.429	-	-	-0.08	1.340	1.915
	LTE Band 7	20M	QPSK	1	0	-	Front	4mm	Ant 1	ECI 4	20850	2510	22.41	24.00	1.442	-	-	-0.1	0.509	0.734
	LTE Band 7	20M	QPSK	1	0	-	Back	14mm	Ant 1	ECI 4	20850	2510	22.41	24.00	1.442	-	-	-0.01	0.198	0.286
	LTE Band 7	20M	QPSK	1	0	-	Left Side	9mm	Ant 1	ECI 4	20850	2510	22.41	24.00	1.442	-	-	-0.09	0.201	0.290
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	ECI 4	20850	2510	22.41	24.00	1.442	-	-	-0.06	0.512	0.738
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECI 6	21100	2535	17.62	18.00	1.091	-	-	-0.12	0.856	0.934
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECI 6	21100	2535	17.58	18.00	1.102	-	-	0.17	0.701	0.772
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	21100	2535	17.62	18.00	1.091	-	-	-0.11	0.942	1.028
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	21100	2535	17.58	18.00	1.102	-	-	-0.08	0.759	0.836
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	21100	2535	17.62	18.00	1.091	-	-	0.18	1.110	1.211
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECI 6	21100	2535	17.58	18.00	1.102	-	-	0.06	0.822	0.905
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	6mm	Ant 4	ECI 4	21100	2535	23.55	24.00	1.109	-	-	0.1	0.779	0.864
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	14mm	Ant 4	ECI 4	21100	2535	23.55	24.00	1.109	-	-	0.08	0.566	0.628
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Top Side	14mm	Ant 4	ECI 4	21100	2535	23.55	24.00	1.109	-	-	0	0.845	0.937
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	40620	2593	21.11	22.50	1.377	62.9	1.006	0.17	1.440	1.995
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	39750	2506	20.96	22.50	1.426	62.9	1.006	-0.04	1.530	2.194
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	40185	2549.5	20.95	22.50	1.429	62.9	1.006	-0.08	1.540	2.214
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	41055	2636.5	21.07	22.50	1.390	62.9	1.006	-0.13	1.300	1.818
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	41490	2680	20.90	22.50	1.445	62.9	1.006	-0.13	1.320	1.919
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	40620	2593	21.08	22.50	1.387	62.9	1.006	0.06	1.130	1.576
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	40620	2593	21.08	22.50	1.387	62.9	1.006	0.08	1.150	1.604
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	39790	2510	20.85	22.50	1.462	62.9	1.006	0.01	1.200	1.765
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	39750	2506	20.94	22.50	1.432	62.9	1.006	0.03	1.120	1.614
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	40185	2549.5	21.00	22.50	1.413	62.9	1.006	-0.08	1.150	1.634
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	41055	2636.5	21.05	22.50	1.396	62.9	1.006	-0.08	1.100	1.545
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant 1	ECI 6	41490	2680	20.96	22.50	1.426	62.9	1.006	-0.03	1.120	1.606
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	40620	2593	21.11	22.50	1.377	62.9	1.006	-0.03	1.890	2.619
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	39750	2506	20.96	22.50	1.426	62.9	1.006	-0.07	1.850	2.653
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	40185	2549.5	20.95	22.50	1.429	62.9	1.006	0.05	1.820	2.616
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	41055	2636.5	21.07	22.50	1.390	62.9	1.006	-0.11	1.890	2.643
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	41490	2680	20.90	22.50	1.445	62.9	1.006	-0.12	1.936	2.815
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	40620	2593	21.08	22.50	1.387	62.9	1.006	0.03	1.470	2.051
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	39750	2506	20.94	22.50	1.432	62.9	1.006	-0.02	1.450	2.089
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	40185	2549.5	21.00	22.50	1.413	62.9	1.006	0.15	1.440	2.046
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	41055	2636.5	21.05	22.50	1.396	62.9	1.006	-0.09	1.500	2.107
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	41490	2680	20.96	22.50	1.426	62.9	1.006	0.11	1.540	2.209
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 1	ECI 6	40620	2593	21.07	22.50	1.390	62.9	1.006	-0.05	1.470	2.055
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	40620	2593	21.11	22.50	1.377	62.9	1.006	-0.08	1.380	1.912
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	39750	2506	20.96	22.50	1.426	62.9	1.006	0.05	1.430	2.051
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	40185	2549.5	20.95	22.50	1.429	62.9	1.006	0.05	1.450	2.084
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	41055	2636.5	21.07	22.50	1.390	62.9	1.006	-0.03	1.280	1.790
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 1	ECI 6	41490	2680	20.90	22.50	1.445	62.9	1.006	-0.15	1.320	1.919
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 1	ECI 6	40620	2593	21.08	22.50	1.387	62.9	1.006	0.02	1.070	1.493
	LTE Band 41	20M	QPSK	100	0	-	Left Side	0mm	Ant 1	ECI 6	40620	2593	21.07	22.50	1.390	62.9	1.006	0.07	1.060	1.482
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	40620	2593	21.11	22.50	1.377	62.9	1.006	0.16	1.380	1.912



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	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	39750	2506	20.96	22.50	1.426	62.9	1.006	-0.18	1.330	1.907
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	40185	2549.5	20.95	22.50	1.429	62.9	1.006	0.02	1.320	1.897
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	41055	2636.5	21.07	22.50	1.390	62.9	1.006	0.16	1.190	1.664
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	41490	2680	20.90	22.50	1.445	62.9	1.006	-0.03	1.170	1.701
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECI 6	40620	2593	21.08	22.50	1.387	62.9	1.006	0.07	1.010	1.409
	LTE Band 41	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	ECI 6	40620	2593	21.07	22.50	1.390	62.9	1.006	0	1.010	1.412
120	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	41490	2680	24.03	25.50	1.403	42.9	1.009	0.01	2.470	3.496
	LTE Band 41C	20M	QPSK	1	99	-	Back	0mm	Ant 1	ECI 6	41490+41292	2680+2660.2	20.80	22.50	1.479	62.9	1.006	0.03	1.825	2.716
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	0mm	Ant 1	ECI 6	41490+41292	2680+2660.2	23.68	25.50	1.521	42.9	1.009	0.06	2.210	3.391
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	0mm	Ant 1	ECI 6	39790+39988	2510+2529.8	23.68	25.50	1.521	42.9	1.009	0.06	2.100	3.222
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	0mm	Ant 1	ECI 6	39750+39948	2506+2525.8	23.62	25.50	1.542	42.9	1.009	0.06	2.050	3.189
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	0mm	Ant 1	ECI 6	40185+40383	2549.5+2569.3	23.82	25.50	1.472	42.9	1.009	0.06	2.156	3.203
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	0mm	Ant 1	ECI 6	40620+40818	2593+2612.8	23.84	25.50	1.466	42.9	1.009	0.06	2.195	3.246
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	0mm	Ant 1	ECI 6	41055+41253	2636.5+2656.3	23.68	25.50	1.521	42.9	1.009	0.06	2.186	3.354
	LTE Band 41	20M	QPSK	1	0	-	Front	4mm	Ant 1	ECI 4	40185	2549.5	22.46	24.00	1.426	62.9	1.006	-0.01	0.265	0.380
	LTE Band 41	20M	QPSK	1	0	-	Back	14mm	Ant 1	ECI 4	41490	2680	22.32	24.00	1.472	62.9	1.006	-0.06	0.099	0.147
	LTE Band 41	20M	QPSK	1	0	-	Left Side	9mm	Ant 1	ECI 4	40185	2549.5	22.46	24.00	1.426	62.9	1.006	-0.04	0.105	0.151
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 1	ECI 4	40620	2593	22.59	24.00	1.384	62.9	1.006	-0.09	0.260	0.362
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	14mm	Ant 1	ECI 4	41490	2680	25.29	27.00	1.483	42.9	1.009	-0.06	0.158	0.236
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECI 6	40620	2593	19.62	20.50	1.225	62.9	1.006	0.03	0.922	1.136
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECI 6	40620	2593	18.71	19.50	1.199	62.9	1.006	0.16	0.922	1.113
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	40620	2593	19.62	20.50	1.225	62.9	1.006	0.01	1.500	1.848
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	39750	2506	19.27	20.50	1.327	62.9	1.006	0.14	1.500	2.003
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	40185	2549.5	19.36	20.50	1.300	62.9	1.006	-0.09	1.651	2.159
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	41055	2636.5	19.54	20.50	1.247	62.9	1.006	-0.09	1.140	1.431
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	41490	2680	19.51	20.50	1.256	62.9	1.006	-0.12	0.931	1.176
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	40620	2593	18.71	19.50	1.199	62.9	1.006	-0.06	1.060	1.279
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 4	ECI 6	40620	2593	18.69	19.50	1.205	62.9	1.006	-0.19	1.150	1.394
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	40620	2593	19.62	20.50	1.225	62.9	1.006	0.09	0.896	1.104
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECI 6	40620	2593	18.71	19.50	1.199	62.9	1.006	0.13	0.782	0.944
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	40185	2549.5	22.02	23.50	1.406	42.9	1.009	0.08	1.950	2.766
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 4	40620	2593	21.09	21.50	1.099	62.9	1.006	-0.16	1.500	1.658
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 4	39750	2506	20.68	21.50	1.208	62.9	1.006	0.1	1.350	1.640
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 4	40185	2549.5	21.03	21.50	1.114	62.9	1.006	-0.1	1.420	1.592
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 4	41055	2636.5	20.86	21.50	1.159	62.9	1.006	-0.05	1.250	1.457
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 4	41490	2680	20.66	21.50	1.213	62.9	1.006	-0.04	1.170	1.428
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 2	ECI 4	40620	2593	21.05	21.50	1.109	62.9	1.006	0.01	1.090	1.216
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 2	ECI 4	40620	2593	20.97	21.50	1.130	62.9	1.006	-0.15	1.090	1.239
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	0mm	Ant 2	ECI 4	40620	2593	23.78	24.50	1.180	42.9	1.009	0.15	1.940	2.310
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 7	ECI 6	40620	2593	20.44	21.50	1.276	62.9	1.006	-0.02	1.672	2.147
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 7	ECI 6	39750	2506	20.02	21.50	1.406	62.9	1.006	0.12	1.170	1.655
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 7	ECI 6	40185	2549.5	20.20	21.50	1.349	62.9	1.006	0.02	1.420	1.927
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 7	ECI 6	41055	2636.5	20.25	21.50	1.334	62.9	1.006	-0.11	1.490	1.999
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 7	ECI 6	41490	2680	20.34	21.50	1.306	62.9	1.006	-0.11	1.260	1.656
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 7	ECI 6	40620	2593	19.36	20.50	1.300	62.9	1.006	-0.05	1.080	1.413
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 7	ECI 6	40620	2593	19.33	20.50	1.309	62.9	1.006	0.03	1.190	1.567
	LTE Band 41	20M	QPSK	1	0	-	Right Side	0mm	Ant 7	ECI 6	40620	2593	20.44	21.50	1.276	62.9	1.006	-0.06	0.984	1.264
	LTE Band 41	20M	QPSK	50	0	-	Right Side	0mm	Ant 7	ECI 6	40620	2593	19.36	20.50	1.300	62.9	1.006	0.01	0.771	1.008
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	0mm	Ant 7	ECI 6	40620	2593	23.37	24.50	1.297	42.9	1.009	-0.03	2.070	2.709
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	507000	2535	22.24	23.00	1.191	-	-	-0.03	2.050	2.442
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	507000	2535	22.21	23.00	1.199	-	-	0.14	2.080	2.495
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	507000	2535	21.17	23.00	1.524	-	-	0.11	1.700	2.591
121	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	22.24	23.00	1.191	-	-	0.08	2.560	3.050
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	22.21	23.00	1.199	-	-	-0.05	2.440	2.927
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	21.17	23.00	1.524	-	-	0.18	1.900	2.896



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	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 1	ECI 6	507000	2535	22.24	23.00	1.191	-	-	0.14	1.970	2.347
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	0mm	Ant 1	ECI 6	507000	2535	22.21	23.00	1.199	-	-	-0.17	1.990	2.387
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Left Side	0mm	Ant 1	ECI 6	507000	2535	21.17	23.00	1.524	-	-	0.17	1.610	2.454
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	507000	2535	22.24	23.00	1.191	-	-	-0.05	1.590	1.894
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	507000	2535	22.21	23.00	1.199	-	-	0.01	1.760	2.111
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	507000	2535	21.17	23.00	1.524	-	-	0.1	1.180	1.798
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	4mm	Ant 1	ECI 4	507000	2535	23.23	24.00	1.194	-	-	0.03	0.881	1.052
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	14mm	Ant 1	ECI 4	507000	2535	23.23	24.00	1.194	-	-	-0.17	0.311	0.371
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	9mm	Ant 1	ECI 4	507000	2535	23.23	24.00	1.194	-	-	0.02	0.318	0.380
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	10mm	Ant 1	ECI 4	507000	2535	23.23	24.00	1.194	-	-	-0.11	0.305	0.364
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant 1	ECI 6	518598	2592.99	22.36	23.00	1.159	-	-	0.11	2.130	2.468
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 1	ECI 6	518598	2592.99	22.24	23.00	1.191	-	-	-0.05	2.200	2.621
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 1	ECI 6	518598	2592.99	21.26	23.00	1.493	-	-	0.18	1.950	2.911
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	22.36	23.00	1.159	-	-	0.14	2.000	2.318
122	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	22.24	23.00	1.191	-	-	0.06	2.530	3.014
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	21.26	23.00	1.493	-	-	-0.17	2.010	3.001
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant 1	ECI 6	518598	2592.99	22.36	23.00	1.159	-	-	0.17	2.230	2.584
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 1	ECI 6	518598	2592.99	22.24	23.00	1.191	-	-	-0.05	2.230	2.656
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 1	ECI 6	518598	2592.99	21.26	23.00	1.493	-	-	0.01	1.950	2.911
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECI 6	518598	2592.99	22.36	23.00	1.159	-	-	0.1	2.320	2.688
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECI 6	518598	2592.99	22.24	23.00	1.191	-	-	-0.17	2.000	2.382
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECI 6	518598	2592.99	21.26	23.00	1.493	-	-	0.04	1.990	2.971
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	4mm	Ant 1	ECI 4	518598	2592.99	26.14	27.00	1.219	-	-	0.18	0.799	0.974
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	14mm	Ant 1	ECI 4	518598	2592.99	26.14	27.00	1.219	-	-	0.16	0.317	0.386
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	9mm	Ant 1	ECI 4	518598	2592.99	26.14	27.00	1.219	-	-	0.19	0.297	0.362
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	10mm	Ant 1	ECI 4	518598	2592.99	26.14	27.00	1.219	-	-	0.13	0.296	0.361
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant 4	ECI 6	518598	2592.99	20.05	20.50	1.109	-	-	0.07	0.650	0.721
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4	ECI 6	518598	2592.99	20.09	20.50	1.099	-	-	0.18	0.597	0.656
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 4	ECI 6	518598	2592.99	20.05	20.50	1.109	-	-	0.01	0.880	0.976
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	ECI 6	518598	2592.99	20.09	20.50	1.099	-	-	-0.15	0.765	0.841
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECI 6	518598	2592.99	20.05	20.50	1.109	-	-	0.19	0.747	0.829
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECI 6	518598	2592.99	20.09	20.50	1.099	-	-	0.07	0.685	0.753
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	6mm	Ant 4	ECI 4	518598	2592.99	23.29	24.00	1.178	-	-	-0.08	0.125	0.147
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	14mm	Ant 4	ECI 4	518598	2592.99	23.29	24.00	1.178	-	-	0.1	0.062	0.073
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	14mm	Ant 4	ECI 4	518598	2592.99	23.29	24.00	1.178	-	-	-0.18	0.118	0.139
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	518598	2592.99	23.53	24.00	1.114	-	-	0.02	2.150	2.396
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	518598	2592.99	23.47	24.00	1.130	-	-	-0.04	1.600	1.808
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	518598	2592.99	23.36	24.00	1.159	-	-	0.05	1.540	1.785
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 7	ECI 6	518598	2592.99	24.05	25.00	1.245	-	-	-0.16	1.120	1.394
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 7	ECI 6	518598	2592.99	23.98	25.00	1.265	-	-	-0.02	0.986	1.247
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	518598	2592.99	24.05	25.00	1.245	-	-	0.09	1.990	2.477
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	518598	2592.99	23.98	25.00	1.265	-	-	-0.09	1.710	2.163
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	518598	2592.99	23.11	25.00	1.545	-	-	0.11	1.770	2.735
	FR1 n41 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	518598	2592.99	24.05	25.00	1.245	-	-	-0.05	1.510	1.879
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	518598	2592.99	23.98	25.00	1.265	-	-	-0.08	0.995	1.258
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	518598	2592.99	23.11	25.00	1.545	-	-	0.16	1.230	1.901
3500MHz																				
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	ECI 6	55830	3609	20.55	22.00	1.396	62.9	1.006	-0.13	1.090	1.531
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	ECI 6	55340	3560	20.42	22.00	1.439	62.9	1.006	0.08	1.020	1.476
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	ECI 6	56150	3641	20.43	22.00	1.435	62.9	1.006	0.16	1.010	1.459
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant 5	ECI 6	56640	3690	20.53	22.00	1.403	62.9	1.006	0.01	0.960	1.355
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant 5	ECI 6	55830	3609	20.54	22.00	1.400	62.9	1.006	-0.16	0.882	1.242
	LTE Band 48	20M	QPSK	100	0	-	Front	0mm	Ant 5	ECI 6	55830	3609	20.51	22.00	1.409	62.9	1.006	0	0.865	1.226
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	ECI 6	55830	3609	20.55	22.00	1.396	62.9	1.006	-0.11	1.870	2.627
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	ECI 6	55340	3560	20.42	22.00	1.439	62.9	1.006	-0.06	1.720	2.490
123	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	ECI 6	56150	3641	20.43	22.00	1.435	62.9	1.006	-0.15	1.920	2.773



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	LTE Band 48C	20M	QPSK	1	99	-	Back	0mm	Ant 5	ECI 6	56150+56348	3641+3660.8	20.59	22.00	1.384	62.9	1.006	0.06	1.860	2.589
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 5	ECI 6	56640	3690	20.53	22.00	1.403	62.9	1.006	-0.13	1.830	2.583
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 5	ECI 6	55830	3609	20.54	22.00	1.400	62.9	1.006	0.16	1.440	2.027
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 5	ECI 6	55340	3560	20.51	22.00	1.409	62.9	1.006	-0.15	1.570	2.226
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 5	ECI 6	56150	3641	20.51	22.00	1.409	62.9	1.006	-0.02	1.510	2.141
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 5	ECI 6	56640	3690	20.43	22.00	1.435	62.9	1.006	-0.09	1.570	2.267
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 5	ECI 6	55830	3609	20.51	22.00	1.409	62.9	1.006	0.14	1.470	2.084
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	ECI 4	55830	3609	22.51	24.00	1.409	62.9	1.006	0.1	0.575	0.815
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	ECI 4	55830	3609	21.52	23.00	1.406	62.9	1.006	-0.09	0.466	0.659
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 5	ECI 6	55830	3609	20.55	22.00	1.396	62.9	1.006	0.07	0.996	1.399
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 5	ECI 6	55830	3609	20.54	22.00	1.400	62.9	1.006	-0.07	0.951	1.339
	LTE Band 48	20M	QPSK	1	0	-	Front	1mm	Ant 5	ECI 4	55830	3609	22.51	24.00	1.409	62.9	1.006	-0.09	1.400	1.985
	LTE Band 48	20M	QPSK	1	0	-	Back	9mm	Ant 5	ECI 4	56150	3641	22.44	24.00	1.432	62.9	1.006	-0.06	0.189	0.272
	LTE Band 48	20M	QPSK	1	0	-	Top Side	9mm	Ant 5	ECI 4	56150	3641	22.44	24.00	1.432	62.9	1.006	-0.17	0.348	0.501
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Front	0mm	Ant 5	ECI 6	641666	3624.99	17.53	19.00	1.403	-	-	-0.09	0.976	1.369
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	0mm	Ant 5	ECI 6	641666	3624.99	18.09	19.00	1.233	-	-	-0.06	1.090	1.344
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	641666	3624.99	17.53	19.00	1.403	-	-	-0.01	1.840	2.581
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	638000	3570	17.43	19.00	1.435	-	-	0.08	1.680	2.412
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	645332	3679.98	17.43	19.00	1.435	-	-	0.01	1.570	2.254
124	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	641666	3624.99	18.09	19.00	1.233	-	-	0.02	2.130	2.627
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	638000	3570	17.44	19.00	1.432	-	-	0.03	1.740	2.492
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	645332	3679.98	17.51	19.00	1.409	-	-	-0.08	1.750	2.466
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	641666	3624.99	17.49	19.00	1.416	-	-	-0.11	1.770	2.506
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	638000	3570	17.42	19.00	1.439	-	-	-0.08	1.640	2.360
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	645332	3679.98	17.32	19.00	1.472	-	-	0.10	1.630	2.400
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	641666	3624.99	21.58	23.00	1.387	-	-	0.14	1.220	1.692
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	641666	3624.99	22.03	23.00	1.250	-	-	0.03	1.680	2.100
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	638000	3570	21.45	23.00	1.429	-	-	-0.18	1.410	2.015
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	645332	3679.98	21.46	23.00	1.426	-	-	0.10	1.390	1.982
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	641666	3624.99	20.80	22.00	1.318	-	-	0.10	1.330	1.753
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Top Side	0mm	Ant 5	ECI 6	641666	3624.99	17.53	19.00	1.403	-	-	0.16	0.992	1.392
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Top Side	0mm	Ant 5	ECI 6	641666	3624.99	18.09	19.00	1.233	-	-	-0.06	1.010	1.245
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	641666	3624.99	21.58	23.00	1.387	-	-	-0.16	1.620	2.247
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	638000	3570	21.37	23.00	1.455	-	-	0.12	1.440	2.096
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	645332	3679.98	21.38	23.00	1.452	-	-	0.08	1.450	2.106
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	641666	3624.99	22.03	23.00	1.250	-	-	-0.16	1.612	2.015
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	638000	3570	21.45	23.00	1.429	-	-	-0.17	1.310	1.872
	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	645332	3679.98	21.46	23.00	1.426	-	-	-0.03	1.280	1.825
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	641666	3624.99	20.80	22.00	1.318	-	-	-0.16	1.605	2.116
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	638000	3570	20.66	22.00	1.361	-	-	0.14	1.540	2.097
	FR1 n48	40M	QPSK	100	0	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	645332	3679.98	20.58	22.00	1.387	-	-	0.11	1.450	2.011
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Back	9mm	Ant 5	ECI 4	641666	3624.99	21.58	23.00	1.387	-	-	0.05	0.177	0.245
	FR1 n48	40M	QPSK	1	53	DFT-SCS-30KHz	Top Side	9mm	Ant 5	ECI 4	641666	3624.99	21.58	23.00	1.387	-	-	-0.03	0.332	0.460
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant 5	ECI 6	656000	3840	20.82	21.50	1.169	-	-	0.15	0.903	1.056
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 5	ECI 6	656000	3840	20.68	21.50	1.208	-	-	-0.09	1.130	1.365
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	656000	3840	20.82	21.50	1.169	-	-	-0.05	1.560	1.824
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	656000	3840	20.68	21.50	1.208	-	-	0.05	1.800	2.174
	FR1 n77(78) Part 270 ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	656000	3840	17.55	18.50	1.245	-	-	0.09	0.911	1.134
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	650000	3750	20.61	21.50	1.227	-	-	0.05	1.750	2.148
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	662000	3930	20.60	21.50	1.230	-	-	0.05	1.710	2.104
	FR1 n77(78) Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	656000	3840	20.61	21.50	1.227	-	-	-0.08	1.680	2.062
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	656000	3840	26.07	27.00	1.239	-	-	0.16	0.590	0.731
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	656000	3840	26.02	27.00	1.253	-	-	0.05	0.590	0.739
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant 5	ECI 6	656000	3840	20.82	21.50	1.169	-	-	-0.03	1.030	1.205
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 5	ECI 6	656000	3840	20.68	21.50	1.208	-	-	-0.15	1.160	1.401
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	656000	3840	26.07	27.00	1.239	-	-	0.08	1.730	2.143



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	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	650000	3750	26.01	27.00	1.256	-	-	-0.06	1.702	2.138
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	662000	3930	25.96	27.00	1.271	-	-	0.04	1.654	2.102
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	656000	3840	26.02	27.00	1.253	-	-	0.08	1.710	2.143
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	650000	3750	25.98	27.00	1.265	-	-	0.09	1.685	2.131
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	662000	3930	25.90	27.00	1.288	-	-	-0.05	1.610	2.074
	FR1 n77(78) Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	656000	3840	24.95	26.00	1.274	-	-	0.08	1.650	2.101
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	9mm	Ant 5	ECI 4	656000	3840	26.07	27.00	1.239	-	-	0.01	0.706	0.875
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	9mm	Ant 5	ECI 4	656000	3840	26.07	27.00	1.239	-	-	0.03	0.644	0.798
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant 5	ECI 6	633334	3500.01	20.82	21.50	1.169	-	-	0.01	0.805	0.941
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 5	ECI 6	633334	3500.01	20.77	21.50	1.183	-	-	-0.01	1.110	1.313
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	633334	3500.01	20.82	21.50	1.169	-	-	-0.04	1.500	1.754
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	633334	3500.01	20.77	21.50	1.183	-	-	0.05	2.110	2.496
	FR1 n77(78) Part 27Q ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	633334	3500.01	17.54	18.50	1.247	-	-	0.05	0.955	1.191
	FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	633334	3500.01	20.66	21.50	1.213	-	-	-0.17	1.720	2.087
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	633334	3500.01	26.15	27.00	1.216	-	-	-0.1	0.318	0.387
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	633334	3500.01	26.09	27.00	1.233	-	-	0.18	0.437	0.539
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant 5	ECI 6	633334	3500.01	20.82	21.50	1.169	-	-	-0.04	1.210	1.415
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 5	ECI 6	633334	3500.01	20.77	21.50	1.183	-	-	-0.05	1.070	1.266
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	1mm	Ant 5	ECI 4	633334	3500.01	26.15	27.00	1.216	-	-	-0.09	1.350	1.642
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	9mm	Ant 5	ECI 4	633334	3500.01	26.15	27.00	1.216	-	-	0.11	0.523	0.636
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	9mm	Ant 5	ECI 4	633334	3500.01	26.15	27.00	1.216	-	-	-0.05	0.433	0.527
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 4	656000	3840	20.78	21.00	1.052	-	-	0.12	0.946	0.995
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 4	656000	3840	20.74	21.00	1.062	-	-	0.06	1.010	1.072
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	14mm	Ant 1	ECI 4	656000	3840	20.78	21.00	1.052	-	-	0.14	0.044	0.046
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	633334	3500.01	20.89	21.00	1.026	-	-	0.17	0.909	0.932
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	633334	3500.01	20.82	21.00	1.042	-	-	0.06	1.030	1.074
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	14mm	Ant 1	ECI 4	633334	3500.01	20.89	21.00	1.026	-	-	0.01	0.058	0.059
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	656000	3840	19.33	20.00	1.167	-	-	0.18	1.530	1.785
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	656000	3840	19.27	20.00	1.183	-	-	0.05	1.670	1.976
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECI 6	656000	3840	19.33	20.00	1.167	-	-	-0.1	0.667	0.778
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECI 6	656000	3840	19.27	20.00	1.183	-	-	0.07	0.724	0.857
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	633334	3500.01	19.42	20.00	1.143	-	-	0.03	1.620	1.851
125	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	633334	3500.01	19.41	20.00	1.146	-	-	-0.08	2.180	2.497
	FR1 n77(78) Part 27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	633334	3500.01	19.30	20.00	1.175	-	-	-0.08	2.110	2.479
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECI 6	633334	3500.01	19.42	20.00	1.143	-	-	0.1	0.439	0.502
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 8	ECI 6	633334	3500.01	19.41	20.00	1.146	-	-	-0.18	0.509	0.583
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	656000	3840	15.84	16.50	1.164	-	-	0.08	1.900	2.212
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	650000	3750	15.77	16.50	1.183	-	-	0.01	1.810	2.141
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	662000	3930	15.80	16.50	1.175	-	-	0.03	1.820	2.138
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	656000	3840	15.82	16.50	1.169	-	-	-0.08	1.910	2.234
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	650000	3750	15.70	16.50	1.202	-	-	0.1	1.840	2.212
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	662000	3930	15.78	16.50	1.180	-	-	-0.18	1.830	2.160
	FR1 n77(78) Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	656000	3840	15.76	16.50	1.186	-	-	0.1	1.650	1.957
	FR1 n77(78) Part 270	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	15.84	16.50	1.164	-	-	0.12	0.566	0.659
	FR1 n77(78) Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 4	656000	3840	15.82	16.50	1.169	-	-	0.08	0.798	0.933
	FR1 n77(78) Part 27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	633334	3500.01	15.69	16.50	1.205	-	-	0.02	0.695	0.837
	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	633334	3500.01	15.63	16.50	1.222	-	-	0.03	0.741	0.905

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
WLAN																
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Standalone	6	2437	19.38	21.00	1.452	99.14	1.009	-0.09	1.440	2.110
126	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Standalone	11	2462	19.49	21.00	1.416	99.14	1.009	-0.06	1.590	2.271
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6	Simultaneous	11	2462	15.39	17.00	1.449	99.14	1.009	-0.06	0.610	0.892
	WLAN2.4GHz	802.11b 1Mbps	Back	12mm	Ant 6	Full Power	11	2462	19.49	21.00	1.416	99.14	1.009	-0.06	0.155	0.221
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Front	0mm	Ant 6	Standalone	46	5230	17.72	19.50	1.506	93.71	1.067	0.08	0.218	0.350
127	WLAN5.2GHz	802.11ac-VHT40 MCS0	Back	0mm	Ant 6	Standalone	46	5230	17.72	19.50	1.506	93.71	1.067	-0.04	1.960	3.149
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Back	0mm	Ant 6	Standalone	38	5190	16.22	17.50	1.342	93.71	1.067	0.09	1.460	2.091
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	40	5200	17.89	19.50	1.449	96.98	1.031	-0.01	1.820	2.719
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	42	5210	11.86	13.50	1.459	88.14	1.135	0.05	0.569	0.942
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Left Side	0mm	Ant 6	Standalone	46	5230	17.72	19.50	1.506	93.71	1.067	0.03	0.011	0.018
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Right Side	0mm	Ant 6	Standalone	46	5230	17.72	19.50	1.506	93.71	1.067	-0.08	0.815	1.310
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Top Side	0mm	Ant 6	Standalone	46	5230	17.72	19.50	1.506	93.71	1.067	-0.08	1.090	1.751
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Bottom Side	0mm	Ant 6	Standalone	46	5230	17.72	19.50	1.506	93.71	1.067	0.1	0.039	0.063
	WLAN5.2GHz	802.11a 6Mbps	Front	5mm	Ant 6	Full Power	40	5200	19.90	21.50	1.445	96.98	1.031	0.08	0.119	0.177
	WLAN5.2GHz	802.11a 6Mbps	Back	12mm	Ant 6	Full Power	40	5200	19.90	21.50	1.445	96.98	1.031	0.08	0.301	0.449
	WLAN5.2GHz	802.11a 6Mbps	Right Side	8mm	Ant 6	Full Power	40	5200	19.90	21.50	1.445	96.98	1.031	0.08	0.261	0.389
	WLAN5.2GHz	802.11a 6Mbps	Top Side	11mm	Ant 6	Full Power	40	5200	19.90	21.50	1.445	96.98	1.031	0.08	0.207	0.308
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Front	0mm	Ant 6	Standalone	54	5270	17.75	19.50	1.495	93.71	1.067	-0.03	0.216	0.345
128	WLAN5.3GHz	802.11ac-VHT40 MCS0	Back	0mm	Ant 6	Standalone	54	5270	17.75	19.50	1.495	93.71	1.067	-0.08	1.810	2.888
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Back	0mm	Ant 6	Standalone	62	5310	16.16	17.50	1.361	93.71	1.067	0.01	1.220	1.771
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	58	5290	11.83	13.50	1.469	88.14	1.135	0.14	0.592	0.987
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Left Side	0mm	Ant 6	Standalone	54	5270	17.75	19.50	1.495	93.71	1.067	0.11	0.015	0.024
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Right Side	0mm	Ant 6	Standalone	54	5270	17.75	19.50	1.495	93.71	1.067	-0.05	0.887	1.415
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Top Side	0mm	Ant 6	Standalone	54	5270	17.75	19.50	1.495	93.71	1.067	0.18	0.815	1.300
	WLAN5.3GHz	802.11ac-VHT40 MCS0	Bottom Side	0mm	Ant 6	Standalone	54	5270	17.75	19.50	1.495	93.71	1.067	0.14	0.060	0.096
	WLAN5.3GHz	802.11a 6Mbps	Front	5mm	Ant 6	Full Power	60	5300	19.95	21.50	1.428	96.98	1.031	-0.03	0.128	0.188
	WLAN5.3GHz	802.11a 6Mbps	Back	12mm	Ant 6	Full Power	60	5300	19.95	21.50	1.428	96.98	1.031	-0.03	0.329	0.484
	WLAN5.3GHz	802.11a 6Mbps	Right Side	8mm	Ant 6	Full Power	60	5300	19.95	21.50	1.428	96.98	1.031	-0.03	0.264	0.389
	WLAN5.3GHz	802.11a 6Mbps	Top Side	11mm	Ant 6	Full Power	60	5300	19.95	21.50	1.428	96.98	1.031	-0.03	0.175	0.258
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	-0.02	0.351	0.502
129	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	-0.08	2.020	2.888
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	138	5690	14.14	15.50	1.368	88.14	1.135	0.15	0.621	0.964
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	-0.09	0.028	0.040
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	0.11	0.768	1.098
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	-0.05	1.160	1.659
	WLAN5.5GHz	802.11a 6Mbps	Bottom Side	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	-0.08	0.053	0.076
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	124	5620	18.93	20.50	1.435	96.98	1.031	0.16	1.640	2.427
	WLAN5.5GHz	802.11a 6Mbps	Front	5mm	Ant 6	Full Power	116	5580	19.55	21.00	1.395	96.98	1.031	-0.02	0.103	0.148
	WLAN5.5GHz	802.11a 6Mbps	Back	12mm	Ant 6	Full Power	116	5580	19.55	21.00	1.395	96.98	1.031	-0.02	0.363	0.522
	WLAN5.5GHz	802.11a 6Mbps	Right Side	8mm	Ant 6	Full Power	116	5580	19.55	21.00	1.395	96.98	1.031	-0.02	0.235	0.338
	WLAN5.5GHz	802.11a 6Mbps	Top Side	11mm	Ant 6	Full Power	116	5580	19.55	21.00	1.395	96.98	1.031	-0.02	0.134	0.193
130	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	157	5785	19.54	21.00	1.399	96.98	1.031	0.05	2.010	2.898
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	149	5745	17.10	18.50	1.380	96.98	1.031	0.17	1.930	2.747
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6	Simultaneous	155	5775	14.21	15.50	1.346	88.14	1.135	0.05	0.602	0.920
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	165	5825	19.07	20.50	1.389	96.98	1.031	-0.05	1.740	2.492
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 6	Standalone	157	5785	19.54	21.00	1.399	96.98	1.031	0.01	0.932	1.344
	WLAN5.8GHz	802.11a 6Mbps	Back	12mm	Ant 6	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.17	0.298	0.430
	WLAN5.8GHz	802.11a 6Mbps	Top Side	11mm	Ant 6	Full Power	157	5785	19.54	21.00	1.399	96.98	1.031	0.17	0.135	0.195



15.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 3	23330	793	22.77	24.00	1.327	-	-	-0.02	1.050	1	1.394
2nd	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 4	23330	793	22.77	24.00	1.327	-	-	0.06	1.020	1.030	1.354
1st	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 3	251	848.8	23.74	25.00	1.337	-	-	0.02	1.050	1	1.403
2nd	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 3	251	848.8	28.22	29.50	1.343	-	-	0.02	1.010	1.035	1.356
1st	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	340500	1702.5	19.00	20.00	1.259	-	-	-0.07	1.030	1	1.297
2nd	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	340500	1702.5	19.00	20.00	1.259	-	-	0.09	0.984	1.047	1.239
1st	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 3	26340	1880	13.85	15.00	1.303	-	-	-0.13	1.100	1	1.433
2nd	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 3	26340	1880	13.85	15.00	1.303	-	-	-0.13	1.030	1.068	1.342
1st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 3	462000	2310	20.81	21.50	1.172	-	-	0.02	1.020	1	1.196
2nd	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 1	ECI 3	462000	2310	20.81	21.50	1.172	-	-	-0.07	0.983	1.038	1.152
1st	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 3	518598	2592.99	19.67	20.50	1.211	-	-	-0.08	1.110	1	1.344
2nd	FR1 n41 PC2	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 3	518598	2592.99	19.67	20.50	1.211	-	-	0.02	1.010	1.099	1.223
1st	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 3	633334	3500.01	20.82	21.00	1.042	-	-	0.03	0.822	1	0.857
2nd	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	ECI 3	633334	3500.01	20.82	21.00	1.042	-	-	0.06	0.785	1.048	0.818
1st	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 3	656000	3840	13.90	14.50	1.148	-	-	-0.08	0.811	1	0.931
2nd	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 3	656000	3840	13.90	14.50	1.148	-	-	-0.08	0.789	1.028	0.906
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	6	2437	18.87	20.00	1.297	99.14	1.009	0.1	0.905	1	1.185
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone	6	2437	18.87	20.00	1.297	99.14	1.009	0.1	0.891	1.016	1.166

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	166300	831.5	22.91	24.00	1.285	-	-	-0.08	2.650	1	3.406
2nd	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	166300	831.5	22.91	24.00	1.285	-	-	0.06	2.620	1.012	3.367
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1513	1752.6	19.49	21.00	1.416	-	-	-0.13	2.500	1	3.539
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1513	1752.6	19.49	21.00	1.416	-	-	-0.13	2.480	1.008	3.511
1st	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	ECI 6	512	1850.2	22.85	23.50	1.161	-	-	-0.05	2.760	1	3.206
2nd	GSM1900	-	-	-	-	GPRS (3 Tx slots)	Back	0mm	Ant 0	ECI 6	512	1850.2	22.85	23.50	1.161	-	-	0.08	2.680	1.030	3.113
1st	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	27710	2310	21.04	22.50	1.400	-	-	-0.04	2.420	1	3.387
2nd	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	27710	2310	21.04	22.50	1.400	-	-	-0.04	2.350	1.030	3.289
1st	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 1	ECI 2	509202	2546.01	25.55	26.50	1.245	-	1.000	-0.04	2.850	1	3.547
2nd	FR1 n41_HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 1	ECI 2	509202	2546.01	25.55	26.50	1.245	-	1.000	0.01	2.680	1.060	3.335
1st	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	641666	3624.99	18.09	19.00	1.233	-	-	0.02	2.130	1	2.627
2nd	FR1 n48	40M	QPSK	50	28	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 6	641666	3624.99	18.09	19.00	1.233	-	-	0.03	1.995	1.068	2.460
1st	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	633334	3500.01	19.41	20.00	1.146	-	-	-0.08	2.180	1	2.497
2nd	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 8	ECI 6	633334	3500.01	19.41	20.00	1.146	-	-	0.06	2.110	1.033	2.417
1st	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	656000	3840	15.82	16.50	1.169	-	-	-0.08	1.910	1	2.234
2nd	FR1 n77(78) Part 27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 4	656000	3840	15.82	16.50	1.169	-	-	-0.08	1.820	1.050	2.128
1st	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	-0.08	2.020	1	2.888
2nd	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	116	5580	19.08	20.50	1.387	96.98	1.031	0.07	1.989	1.015	2.844
1st	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	157	5785	19.54	21.00	1.399	96.98	1.031	0.05	2.010	1	2.898
2nd	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Ant 6	Standalone	157	5785	19.54	21.00	1.399	96.98	1.031	0.05	1.986	1.012	2.864

General Note:

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

15.6 TDD LTE Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE Band 41(HPUE)Ant 1-Linearity Data for Head			LTE Band 41(HPUE)Ant 4-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	16.50	19.50
Reported 1g SAR (W/kg)	0.445	0.663	Reported 1g SAR (W/kg)	0.784	0.970
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	28.28	38.59
Linearity SAR (W/kg)	0.607		Linearity SAR (W/kg)	1.070	
% deviation from expected linearity		9.16%	% deviation from expected linearity		-9.35%
LTE Band 41(HPUE)Ant 1-Linearity Data for Hotspot			LTE Band 41(HPUE)Ant 4-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	20.00	23.00	Maximum Tune up Power (dBm)	12.00	15.00
Reported 1g SAR (W/kg)	1.071	1.373	Reported 1g SAR (W/kg)	0.538	0.698
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	63.30	86.39	Frame Averaged (mW)	10.03	13.69
Linearity SAR (W/kg)	1.462		Linearity SAR (W/kg)	0.734	
% deviation from expected linearity		-6.07%	% deviation from expected linearity		-4.94%
LTE Band 41(HPUE)Ant 1-Linearity Data for Body-worn			LTE Band 41(HPUE)Ant 4-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00	Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	1.122	1.394	Reported 1g SAR (W/kg)	0.897	1.131
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	79.69	108.76	Frame Averaged (mW)	25.20	34.39
Linearity SAR (W/kg)	1.531		Linearity SAR (W/kg)	1.224	
% deviation from expected linearity		-8.97%	% deviation from expected linearity		-7.62%
LTE Band 41(HPUE)Ant 1-Linearity Data for Extremity			LTE Band 41(HPUE)Ant 4-Linearity Data for Extremity		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	25.50	Maximum Tune up Power (dBm)	20.50	23.50
Reported 10g SAR (W/kg)	2.815	3.496	Reported 10g SAR (W/kg)	2.159	2.766
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	112.57	153.63	Frame Averaged (mW)	71.02	96.94
Linearity SAR (W/kg)	3.842		Linearity SAR (W/kg)	2.947	
% deviation from expected linearity		-9.01%	% deviation from expected linearity		-6.13%

LTE Band 41(HPUE)Ant 2-Linearity Data for Head			LTE Band 41(HPUE)Ant 7-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.50	25.50	Maximum Tune up Power (dBm)	19.00	22.00
Reported 1g SAR (W/kg)	0.217	0.314	Reported 1g SAR (W/kg)	0.802	1.044
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	112.57	153.63	Frame Averaged (mW)	50.28	68.63
Linearity SAR (W/kg)	0.296		Linearity SAR (W/kg)	1.095	
% deviation from expected linearity		6.02%	% deviation from expected linearity		-4.62%
LTE Band 41(HPUE)Ant 2-Linearity Data for Hotspot			LTE Band 41(HPUE)Ant 7-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	15.50	18.50	Maximum Tune up Power (dBm)	16.50	19.50
Reported 1g SAR (W/kg)	0.525	0.676	Reported 1g SAR (W/kg)	0.529	0.687
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	22.46	30.65	Frame Averaged (mW)	28.28	38.59
Linearity SAR (W/kg)	0.717		Linearity SAR (W/kg)	0.722	
% deviation from expected linearity		-5.66%	% deviation from expected linearity		-4.85%
LTE Band 41(HPUE)Ant 2-Linearity Data for Body-worn			LTE Band 41(HPUE)Ant 7-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50	Maximum Tune up Power (dBm)	18.00	21.00
Reported 1g SAR (W/kg)	0.762	0.965	Reported 1g SAR (W/kg)	0.783	0.968
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	35.60	48.58	Frame Averaged (mW)	39.94	54.51
Linearity SAR (W/kg)	1.040		Linearity SAR (W/kg)	1.069	
% deviation from expected linearity		-7.21%	% deviation from expected linearity		-9.42%
LTE Band 41(HPUE)Ant 2-Linearity Data for Extremity			LTE Band 41(HPUE)Ant 7-Linearity Data for Extremity		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)		LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.50	24.50	Maximum Tune up Power (dBm)	21.50	24.50
Reported 10g SAR (W/kg)	1.658	2.310	Reported 10g SAR (W/kg)	2.147	2.709
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	89.41	122.04	Frame Averaged (mW)	89.41	122.04
Linearity SAR (W/kg)	2.263		Linearity SAR (W/kg)	2.930	
% deviation from expected linearity		2.08%	% deviation from expected linearity		-7.55%

16. 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 and EN-DC combination.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- 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).
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can not transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can not transmit simultaneously.
- WLAN 2.4GHz and Bluetooth share the same antenna and they cannot transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- For 5GNR EN-DC mode, standalone SAR performed for 5GNR NSA band with the maximum power, EN-DC SAR summed EN-DC mode 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
- When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within the selected antenna to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each band.
- For inter-band UL CA SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE band.
- For EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position and also the worst SAR of the selected 5GNR Bands within the selected antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5GNR band.
- For co-located SAR with WWAN, always chose higher SAR among WLAN2.4GHz, WLAN 5GHz and BT, it is the worst co-located analysis and can represent each WLAN2.4GHz, WLAN 5GHz and BT 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 16.5.

16.1 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	1+2
		WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0	Right Cheek	0.609	0.205	0.81
	Right Tilted	0.301	0.215	0.52
	Left Cheek	0.476	0.392	0.87
	Left Tilted	0.284	0.218	0.50
All Bands Ant1	Right Cheek	0.447	0.205	0.65
	Right Tilted	0.439	0.215	0.65
	Left Cheek	0.655	0.392	1.05
	Left Tilted	0.226	0.218	0.44
All Bands Ant2	Right Cheek	0.484	0.205	0.69
	Right Tilted	0.207	0.215	0.42
	Left Cheek	0.204	0.392	0.60
	Left Tilted	0.129	0.218	0.35
All Bands Ant4	Right Cheek	1.016	0.205	1.22
	Right Tilted	1.043	0.215	1.26
	Left Cheek	0.762	0.392	1.15
	Left Tilted	0.837	0.218	1.06
All Bands Ant5	Right Cheek	0.712	0.205	0.92
	Right Tilted	0.775	0.215	0.99
	Left Cheek	0.932	0.392	1.32
	Left Tilted	1.048	0.218	1.27
All Bands Ant7	Right Cheek	0.349	0.205	0.55
	Right Tilted	0.290	0.215	0.51
	Left Cheek	1.044	0.392	1.44
	Left Tilted	0.601	0.218	0.82
All Bands Ant8	Right Cheek	0.446	0.205	0.65
	Right Tilted	0.136	0.215	0.35
	Left Cheek	0.594	0.392	0.99
	Left Tilted	0.290	0.218	0.51

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	1+2+3
			WWAN	WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0 (B12&13&14&2&4&5)	All Bands Ant4 (B66&12&13&14&4&5)	Right Cheek	0.515	1.008	0.205	1.73
		Right Tilted	0.301	0.949	0.215	1.47
		Left Cheek	0.468	0.656	0.392	1.52
		Left Tilted	0.284	0.727	0.218	1.23
Ant0 B2	Ant5 B48	Right Cheek	0.123	0.551	0.205	0.88
		Right Tilted	0.079	0.592	0.215	0.89
		Left Cheek	0.210	0.932	0.392	1.53
		Left Tilted	0.079	1.048	0.218	1.35
Ant5 B48	Ant0 B66	Right Cheek	0.551	0.198	0.205	0.95
		Right Tilted	0.592	0.112	0.215	0.92
		Left Cheek	0.932	0.164	0.392	1.49
		Left Tilted	1.048	0.129	0.218	1.40

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.6.

<EN-DC>

WWAN Band	WWAN Band	Exposure Position	1	2	3	1+2+3
			WWAN	FR1	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant4 (B12&13&14&26&2&5&66&71)	Ant0 (N25&2&66&5&71)	Right Cheek	1.008	0.299	0.205	1.51
		Right Tilted	1.043	0.168	0.215	1.43
		Left Cheek	0.656	0.255	0.392	1.30
		Left Tilted	0.727	0.149	0.218	1.09
Ant4 (B12&14&25&26&2&4&5&66&71)	Ant1 (N30&41&7)	Right Cheek	1.008	0.447	0.205	1.66
		Right Tilted	1.043	0.439	0.215	1.70
		Left Cheek	0.627	0.655	0.392	1.67
		Left Tilted	0.727	0.226	0.218	1.17
Ant0 (B12&13&14&25&26&2&4&5&66&71)	Ant5 (N77&78&48)	Right Cheek	0.515	0.712	0.205	1.43
		Right Tilted	0.301	0.775	0.215	1.29
		Left Cheek	0.468	0.930	0.392	1.79
		Left Tilted	0.284	1.018	0.218	1.52
Ant1(B30&7)	Ant4(N2&5&66&25)	Right Cheek	0.229	0.985	0.205	1.42
		Right Tilted	0.205	1.041	0.215	1.46
		Left Cheek	0.366	0.753	0.392	1.51
		Left Tilted	0.117	0.795	0.218	1.13
Ant0 (B2&4&66&12&13&14&26&5&71)	Ant4 (N12&5&66&25&2&71)	Right Cheek	0.515	0.985	0.205	1.71
		Right Tilted	0.301	1.041	0.215	1.56
		Left Cheek	0.468	0.753	0.392	1.61
		Left Tilted	0.284	0.795	0.218	1.30
Ant4(B30&7)	Ant5(N77&78)	Right Cheek	0.342	0.712	0.205	1.26
		Right Tilted	0.410	0.775	0.215	1.40
		Left Cheek	0.198	0.930	0.392	1.52
		Left Tilted	0.231	1.018	0.218	1.47
Ant5 B48	Ant0 (N2&66&71&5)	Right Cheek	0.551	0.299	0.205	1.06
		Right Tilted	0.592	0.168	0.215	0.98
		Left Cheek	0.932	0.255	0.392	1.58
		Left Tilted	1.048	0.149	0.218	1.42

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	1+2
		WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0	Front	0.887	0.282	1.17
	Back	1.334	0.693	2.03
	Left side		0.044	0.04
	Right side	1.020	0.251	1.27
	Top side		0.401	0.40
	Bottom side	1.442	0.029	1.47
All Bands Ant1	Front	0.879	0.282	1.16
	Back	1.373	0.693	2.07
	Left side	0.806	0.044	0.85
	Right side		0.251	0.25
	Top side		0.401	0.40
	Bottom side	0.999	0.029	1.03
All Bands Ant2	Front	0.055	0.282	0.34
	Back	0.676	0.693	1.37
	Left side	0.165	0.044	0.21
	Right side		0.251	0.25
	Top side	0.036	0.401	0.44
	Bottom side		0.029	0.03
All Bands Ant4	Front	0.425	0.282	0.71
	Back	0.699	0.693	1.39
	Left side	0.218	0.044	0.26
	Right side		0.251	0.25
	Top side	0.698	0.401	1.10
	Bottom side		0.029	0.03
All Bands Ant5	Front	0.286	0.282	0.57
	Back	0.709	0.693	1.40
	Left side	0.040	0.044	0.08
	Right side	0.229	0.251	0.48
	Top side	0.435	0.401	0.84
	Bottom side		0.029	0.03
All Bands Ant7	Front	0.225	0.282	0.51
	Back	0.687	0.693	1.38
	Left side		0.044	0.04
	Right side	0.454	0.251	0.71
	Top side	0.098	0.401	0.50
	Bottom side		0.029	0.03
All Bands Ant8	Front	0.061	0.282	0.34
	Back	0.585	0.693	1.28
	Left side		0.044	0.04
	Right side	0.230	0.251	0.48
	Top side	0.070	0.401	0.47
	Bottom side		0.029	0.03

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	1+2+3
			WWAN	WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0(B12&13&14&2&4&5)	All Bands Ant4(B66&12&13&14&4&5)	Front	0.887	0.425	0.282	1.59
		Back	1.334	0.619	0.693	2.65
		Left side		0.218	0.044	0.26
		Right side	1.020		0.251	1.27
		Top side		0.630	0.401	1.03
		Bottom side	1.400		0.029	1.43
Ant0 B2	Ant5 B48	Front	0.665	0.239	0.282	1.19
		Back	0.992	0.690	0.693	2.38
		Left side		0.031	0.044	0.08
		Right side	0.069	0.146	0.251	0.47
		Top side		0.327	0.401	0.73
		Bottom side	1.316		0.029	1.35
Ant5 B48	Ant0 B66	Front	0.239	0.778	0.282	1.30
		Back	0.690	0.994	0.693	2.38
		Left side	0.031		0.044	0.08
		Right side	0.146	0.079	0.251	0.48
		Top side	0.327		0.401	0.73
		Bottom side		1.442	0.029	1.47

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<EN-DC>

WWAN Band	WWAN Band	Exposure Position	1	2	3	1+2+3
			LTE	FR1	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant4(B12&13&14&26&2&5&66&71)	Ant0(N25&2&66&5&71)	Front	0.425	0.617	0.282	1.32
		Back	0.648	0.929	0.693	2.27
		Left side	0.218		0.044	0.26
		Right side		0.362	0.251	0.61
		Top side	0.658		0.401	1.06
		Bottom side		1.208	0.029	1.24
Ant4(B12&14&25&26&2&4&5&66&71)	Ant1(N30&41&7)	Front	0.425	0.879	0.282	1.59
		Back	0.648	1.344	0.693	2.69
		Left side	0.218	0.673	0.044	0.94
		Right side			0.251	0.25
		Top side	0.658		0.401	1.06
		Bottom side		0.874	0.029	0.90
Ant0(B12&13&14&25&26&2&4&5&66&71)	Ant5(N77&78&48)	Front	0.887	0.286	0.282	1.46
		Back	1.334	0.709	0.693	2.74
		Left side		0.040	0.044	0.08
		Right side	1.020	0.229	0.251	1.50
		Top side		0.435	0.401	0.84
		Bottom side	1.442		0.029	1.47
Ant1(B30&7)	Ant4(N2&5&66&25&71)	Front	0.876	0.399	0.282	1.56
		Back	1.340	0.699	0.693	2.73
		Left side	0.806	0.143	0.044	0.99
		Right side			0.251	0.25
		Top side		0.679	0.401	1.08
		Bottom side	0.999		0.029	1.03
Ant0(B2&4&66&12&13&14&26&5&71)	Ant4(N12&5&66&25&2&41&71)	Front	0.887	0.399	0.282	1.57
		Back	1.334	0.669	0.693	2.70
		Left side		0.165	0.044	0.21
		Right side	1.020		0.251	1.27
		Top side		0.679	0.401	1.08
		Bottom side	1.442		0.029	1.47
Ant4(B30&7)	Ant5(N77&78)	Front	0.132	0.315	0.282	0.73
		Back	0.189	0.315	0.693	1.20
		Left side	0.032	0.315	0.044	0.39
		Right side		0.315	0.251	0.57
		Top side	0.323	0.315	0.401	1.04
		Bottom side		0.315	0.029	0.34
Ant5 B48	Ant0 (N2&66&71&5)	Front	0.239	0.617	0.282	1.14
		Back	0.690	0.939	0.693	2.32
		Left side	0.031		0.044	0.08
		Right side	0.146	0.362	0.251	0.76
		Top side	0.327		0.401	0.73
		Bottom side		1.208	0.029	1.24

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	1+2
		WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0	Front	1.272	0.163	1.44
	Back	1.433	0.394	1.83
All Bands Ant1	Front	0.879	0.163	1.04
	Back	1.423	0.394	1.82
All Bands Ant2	Front	0.133	0.163	0.30
	Back	0.965	0.394	1.36
All Bands Ant4	Front	0.628	0.163	0.79
	Back	1.127	0.394	1.52
All Bands Ant5	Front	0.465	0.163	0.63
	Back	1.033	0.394	1.43
All Bands Ant7	Front	0.308	0.163	0.47
	Back	0.968	0.394	1.36
All Bands Ant8	Front	0.089	0.163	0.25
	Back	0.971	0.394	1.37

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	1+2+3
			WWAN	WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0 (B12&13&14&2&4&5)	All Bands Ant4 (B66&12&13&14&4&5)	Front	1.079	0.621	0.163	1.86
		Back	1.433	1.007	0.394	2.83
Ant0 B2	Ant5 B48	Front	0.970	0.289	0.163	1.42
		Back	1.433	1.018	0.394	2.85
Ant5 B48	Ant0 B66	Front	0.289	1.079	0.163	1.53
		Back	1.018	1.392	0.394	2.80

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<EN-DC>

LTEBand	FR1 Band	Exposure Position	1	2	3	1+2+3
			LTE	FR1	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant4 (B12&13&14&26&2&5&66&71)	Ant0(N25&2&66&5&71)	Front	0.621	1.053	0.163	1.84
		Back	1.017	1.404	0.394	2.82
Ant4(B12&14&25&26&2&4&5&66&71)	Ant1(N30&41&7)	Front	0.621	0.879	0.163	1.66
		Back	1.017	1.344	0.394	2.76
Ant0 (B12&13&14&25&26&2&4&5&66&71)	Ant5 (N77&78&48)	Front	1.079	0.465	0.163	1.71
		Back	1.433	1.033	0.394	2.86
Ant1(B30&7)	Ant4(N2&5&66&25)	Front	0.876	0.628	0.163	1.67
		Back	1.423	1.015	0.394	2.83
Ant0(B2&4&66&12&13&14&26&5&71)	Ant4(N12&5&66&25&2&71)	Front	1.079	0.628	0.163	1.87
		Back	1.433	1.015	0.394	2.84
Ant4(B30&7)	Ant5(N77&78)	Front	0.373	0.515	0.163	1.05
		Back	0.515	0.515	0.394	1.42
Ant5 B48	Ant0 (N2&66&71&5)	Front	0.289	1.053	0.163	1.51
		Back	1.018	1.404	0.394	2.82

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

Sensor-Off

WWAN Band	Exposure Position	1	2	1+2
		WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0	Front 12mm	1.337	0.443	1.78
	Back 22mm	1.398	0.667	2.07
All Bands Ant1	Front 12mm	0.643	0.443	1.09
	Back 22mm	0.360	0.667	1.03
All Bands Ant2	Front 12mm	0.129	0.443	0.57
	Back 22mm	0.253	0.667	0.92
All Bands Ant4	Front 12mm	0.447	0.443	0.89
	Back 22mm	0.501	0.667	1.17
All Bands Ant5	Front 12mm	0.749	0.443	1.19
	Back 22mm	0.383	0.667	1.05
All Bands Ant7	Front 12mm	0.310	0.443	0.75
	Back 22mm	0.199	0.667	0.87
All Bands Ant8	Front 12mm	0.207	0.443	0.65
	Back 22mm	0.368	0.667	1.04

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	1+2+3
			WWAN	WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands Ant0(B12&13&14&2&4&5)	All Bands Ant4(B66&12&13&14&4&5)	Front 12mm	1.114	0.338	0.443	1.90
		Back 22mm	0.729	0.234	0.667	1.63
Ant0 B2	Ant5 B48	Front 12mm	1.114	0.189	0.443	1.75
		Back 22mm	0.729	0.163	0.667	1.56
Ant5 B48	Ant0 B66	Front 12mm	0.189	0.652	0.443	1.28
		Back 22mm	0.163	0.275	0.667	1.11

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<EN-DC>

LTEBand	FR1 Band	Exposure Position	1	2	3	1+2+3
			LTE	FR1	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Ant4 (B12&13&14&26&2&5&66&71)	Ant0(N25&2&66&5&71)	Front 12mm	0.338	0.814	0.443	1.60
		Back 22mm	0.234	0.498	0.667	1.40
Ant4(B12&14&25&26&2&4&5&66&71)	Ant1(N30&41&7)	Front 12mm	0.338	0.643	0.443	1.42
		Back 22mm	0.234	0.360	0.667	1.26
Ant0 (B12&13&14&25&26&2&4&5&66&71)	Ant5 (N77&78&48)	Front 12mm	1.114	0.749	0.443	2.31
		Back 22mm	0.729	0.383	0.667	1.78
Ant1(B30&7)	Ant4(N2&5&66&25)	Front 12mm	0.438	0.353	0.443	1.23
		Back 22mm	0.241	0.185	0.667	1.09
Ant0(B2&4&66&12&13&14&26&5&71)	Ant4(N12&5&66&25&2&71)	Front 12mm	1.114	0.353	0.443	1.91
		Back 22mm	0.729	0.185	0.667	1.58
Ant4(B30&7)	Ant5(N77&78)	Front 12mm	0.398	0.749	0.443	1.59
		Back 22mm	0.501	0.383	0.667	1.55
Ant5 B48	Ant0 (N2&66&71&5)	Front 12mm	0.189	0.814	0.443	1.45
		Back 22mm	0.163	0.498	0.667	1.33

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

16.4 Product specific 10g SAR Exposure Conditions

Remark:

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

WWAN Band	Exposure Position	1	2	3	1+2+3
		WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	NFC	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
All Bands Ant0	Front	2.870	0.502	0.006	3.38
	Back	3.206	0.987	0.025	4.22
	Left side		0.987	0.004	0.99
	Right side		0.987	0.005	0.99
	Top side		0.987	0.001	0.99
	Bottom side	3.592	0.096	0.001	3.69
All Bands Ant1	Front	3.071	0.502	0.006	3.58
	Back	3.496	0.987	0.025	4.51
	Left side	2.911	0.987	0.004	3.90
	Right side		0.987	0.005	0.99
	Top side		0.987	0.001	0.99
	Bottom side	2.971	0.096	0.001	3.07
All Bands Ant2	Front		0.502	0.006	0.51
	Back	2.234	0.987	0.025	3.25
	Left side	0.933	0.987	0.004	1.92
	Right side		0.987	0.005	0.99
	Top side		0.987	0.001	0.99
	Bottom side		0.096	0.001	0.10
All Bands Ant4	Front	1.644	0.502	0.006	2.15
	Back	2.766	0.987	0.025	3.78
	Left side		0.987	0.004	0.99
	Right side		0.987	0.005	0.99
	Top side	2.788	0.987	0.001	3.78
	Bottom side		0.096	0.001	0.10
All Bands Ant5	Front	1.531	0.502	0.006	2.04
	Back	2.773	0.987	0.025	3.79
	Left side		0.987	0.004	0.99
	Right side	2.100	0.987	0.005	3.09
	Top side	1.415	0.987	0.001	2.40
	Bottom side		0.096	0.001	0.10
All Bands Ant7	Front	1.394	0.502	0.006	1.90
	Back	2.735	0.987	0.025	3.75
	Left side		0.987	0.004	0.99
	Right side	1.901	0.987	0.005	2.89
	Top side		0.987	0.001	0.99
	Bottom side		0.096	0.001	0.10
All Bands Ant8	Front		0.502	0.006	0.51
	Back	2.497	0.987	0.025	3.51
	Left side		0.987	0.004	0.99
	Right side	0.857	0.987	0.005	1.85
	Top side		0.987	0.001	0.99
	Bottom side		0.096	0.001	0.10

Note: The results marked yellow is greater than 4.0 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	1+2+3
			WWAN	WWAN	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	NFC	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
All Bands Ant0(B12&13&14&2&4&5)	All Bands Ant4(B66&12&13&14&4&5)	Front	2.509	1.340	0.502	0.006	4.36
		Back	2.100	1.767	0.987	0.025	4.88
		Left side			0.987	0.004	0.99
		Right side			0.987	0.005	0.99
		Top side		2.514	0.987	0.001	3.50
		Bottom side	3.490		0.096	0.001	3.59
Ant0 B2	Ant5 B48	Front	2.509	1.531	0.502	0.006	4.55
		Back	1.781	2.773	0.987	0.025	5.57
		Left side			0.987	0.004	0.99
		Right side		0.815	0.987	0.005	1.81
		Top side		1.399	0.987	0.001	2.39
		Bottom side	3.490		0.096	0.001	3.59
Ant5 B48	Ant0 B66	Front	1.531	2.371	0.502	0.006	4.41
		Back	2.773	2.100	0.987	0.025	5.89
		Left side			0.987	0.004	0.99
		Right side	0.815		0.987	0.005	1.81
		Top side	1.399		0.987	0.001	2.39
		Bottom side		3.467	0.096	0.001	3.56

Note: The results marked yellow is greater than 4.0 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<EN-DC>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	1+2+3
			LTE	FR1	WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6	NFC	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
Ant4 (B12&13&14&26&2&5&66&71)	Ant0 (N25&2&66&5&71)	Front	1.340	2.363	0.502	0.006	4.21
		Back	1.767	2.076	0.987	0.025	4.86
		Left side			0.987	0.004	0.99
		Right side			0.987	0.005	0.99
		Top side	2.514		0.987	0.001	3.50
		Bottom side		3.195	0.096	0.001	3.29
Ant4 (B12&14&25&26&2&4&5&66&71)	Ant1(N30&41&7)	Front	1.340	2.911	0.502	0.006	4.76
		Back	1.767	3.050	0.987	0.025	5.83
		Left side		2.911	0.987	0.004	3.90
		Right side			0.987	0.005	0.99
		Top side	2.514		0.987	0.001	3.50
		Bottom side		2.971	0.096	0.001	3.07
Ant0 (B12&13&14&25&26&2&4&5&66&71)	Ant5(N77&78&48)	Front	2.509	1.369	0.502	0.006	4.39
		Back	2.100	2.627	0.987	0.025	5.74
		Left side			0.987	0.004	0.99
		Right side		2.100	0.987	0.005	3.09
		Top side		1.415	0.987	0.001	2.40
		Bottom side	3.490		0.096	0.001	3.59
Ant1(B30&7)	Ant4(N2&5&66&25&71)	Front	3.071	1.472	0.502	0.006	5.05
		Back	3.451	1.460	0.987	0.025	5.92
		Left side	2.910		0.987	0.004	3.90
		Right side			0.987	0.005	0.99
		Top side		2.505	0.987	0.001	3.49
		Bottom side	2.661		0.096	0.001	2.76
Ant0 (B2&4&66&12&13&14&26&5&71)	Ant4 (N12&5&66&25&2&41&71)	Front	2.509	1.472	0.502	0.006	4.49
		Back	2.100	1.460	0.987	0.025	4.57
		Left side			0.987	0.004	0.99
		Right side			0.987	0.005	0.99
		Top side		2.505	0.987	0.001	3.49
		Bottom side	3.490		0.096	0.001	3.59
Ant4(B30&7)	Ant5(N77&78)	Front	0.934	1.191	0.502	0.006	2.63
		Back	1.028	1.191	0.987	0.025	3.23
		Left side		1.191	0.987	0.004	2.18
		Right side		1.191	0.987	0.005	2.18
		Top side	1.305	1.191	0.987	0.001	3.48
		Bottom side		1.191	0.096	0.001	1.29
Ant5 B48	Ant0 (N2&66&71&5)	Front	1.531	2.363	0.502	0.006	4.40
		Back	2.773	2.076	0.987	0.025	5.86
		Left side			0.987	0.004	0.99
		Right side	0.815		0.987	0.005	1.81
		Top side	1.399		0.987	0.001	2.39
		Bottom side		3.195	0.096	0.001	3.29

Note: The results marked yellow is greater than 4.0 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

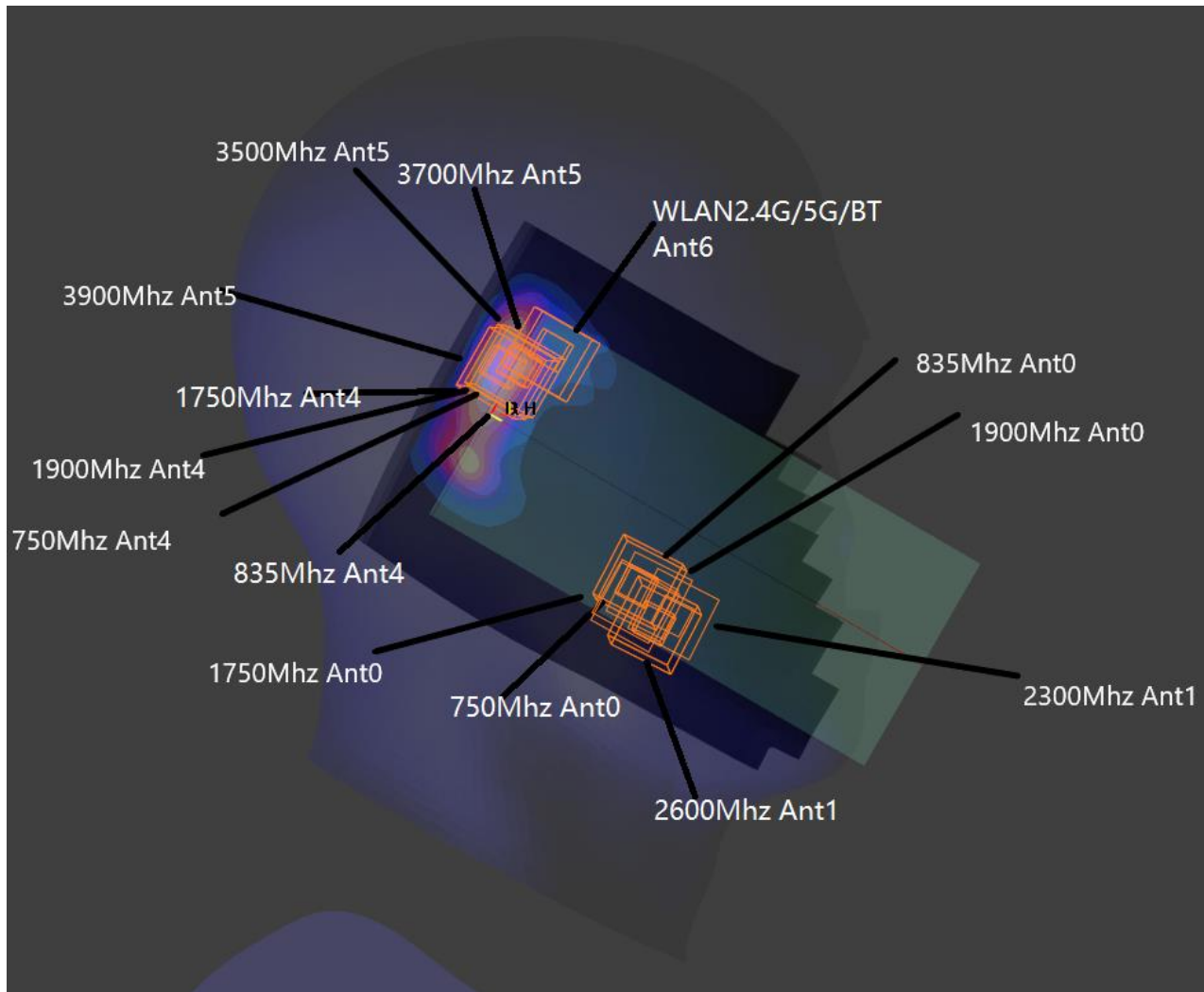
16.5 SPLSR Evaluation and Analysis

General Note:

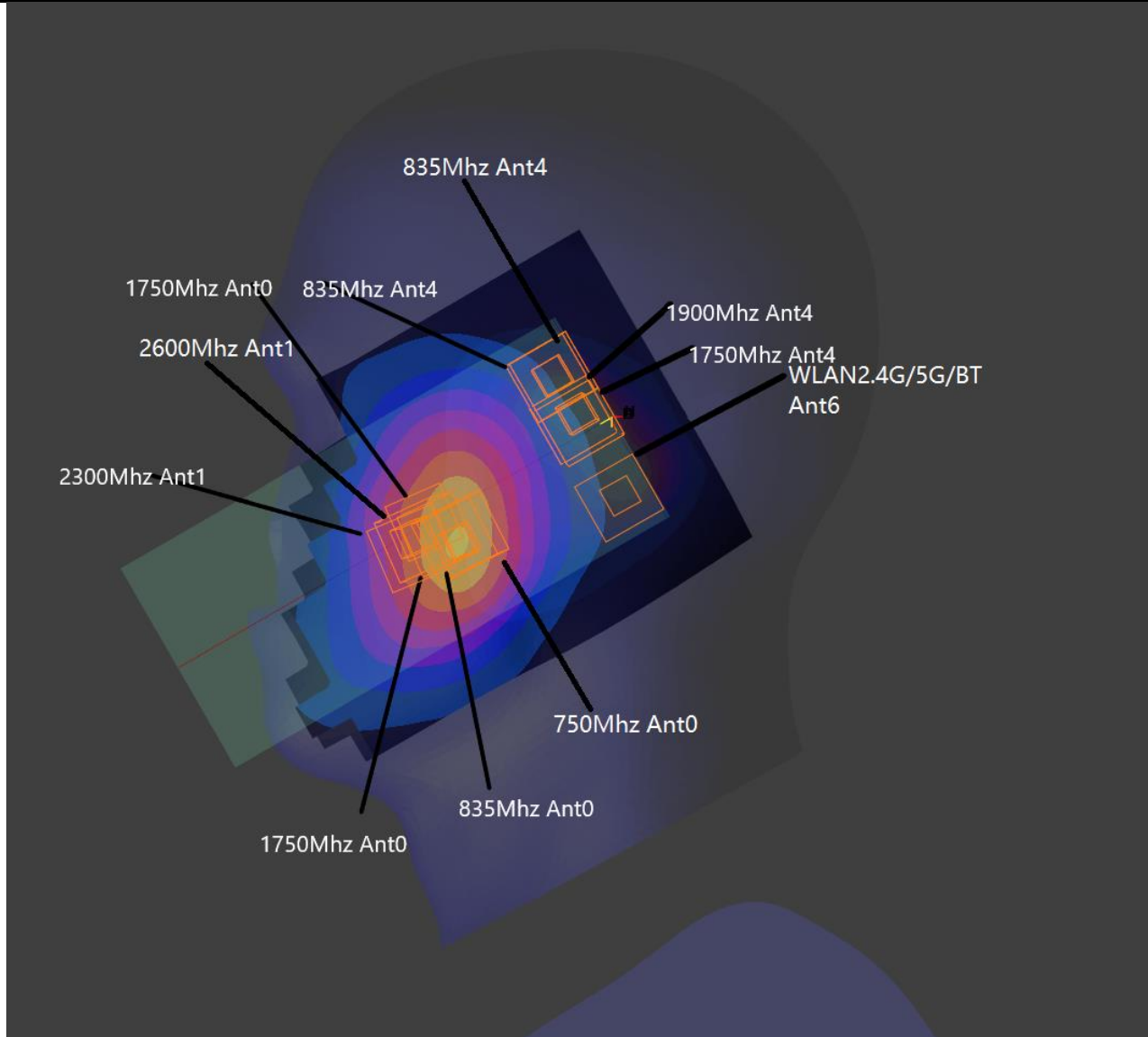
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in 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 and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
3. If SPLSR criteria evaluation and analysis is needed to determine compliance for a certain ECI configuration, SPLSR is performed by taking the highest reported SAR for each of the supported technologies and bands per antenna, along with the peak SAR locations.
 - 1) Obtain the highest reported multi-band SAR out of all supported technologies/bands per antenna per exposure position in section 16, so determine the highest reported multi-band SAR per tech/band/antenna /exposure position of the co-located antenna pair to be conservative.
 - 2) Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative, please refer to section 16.6.
 - 3) Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative. i.e., WWAN band antenna 0/1 was summed algebraically with the NFC, BT/WIFI Antenna 6 and one or more of WWAN Antenna 4/5 separately for the purposes of hybrid SPLSR combination and they are located at the top of the device.
4. The following formula is used to calculate the SPLSR between WWAN Band and WLAN/BT for each exposure configuration:

$$SPLSR = \frac{(SAR_1 + SAR_2)^{1.5}}{\text{Min Distace}}$$

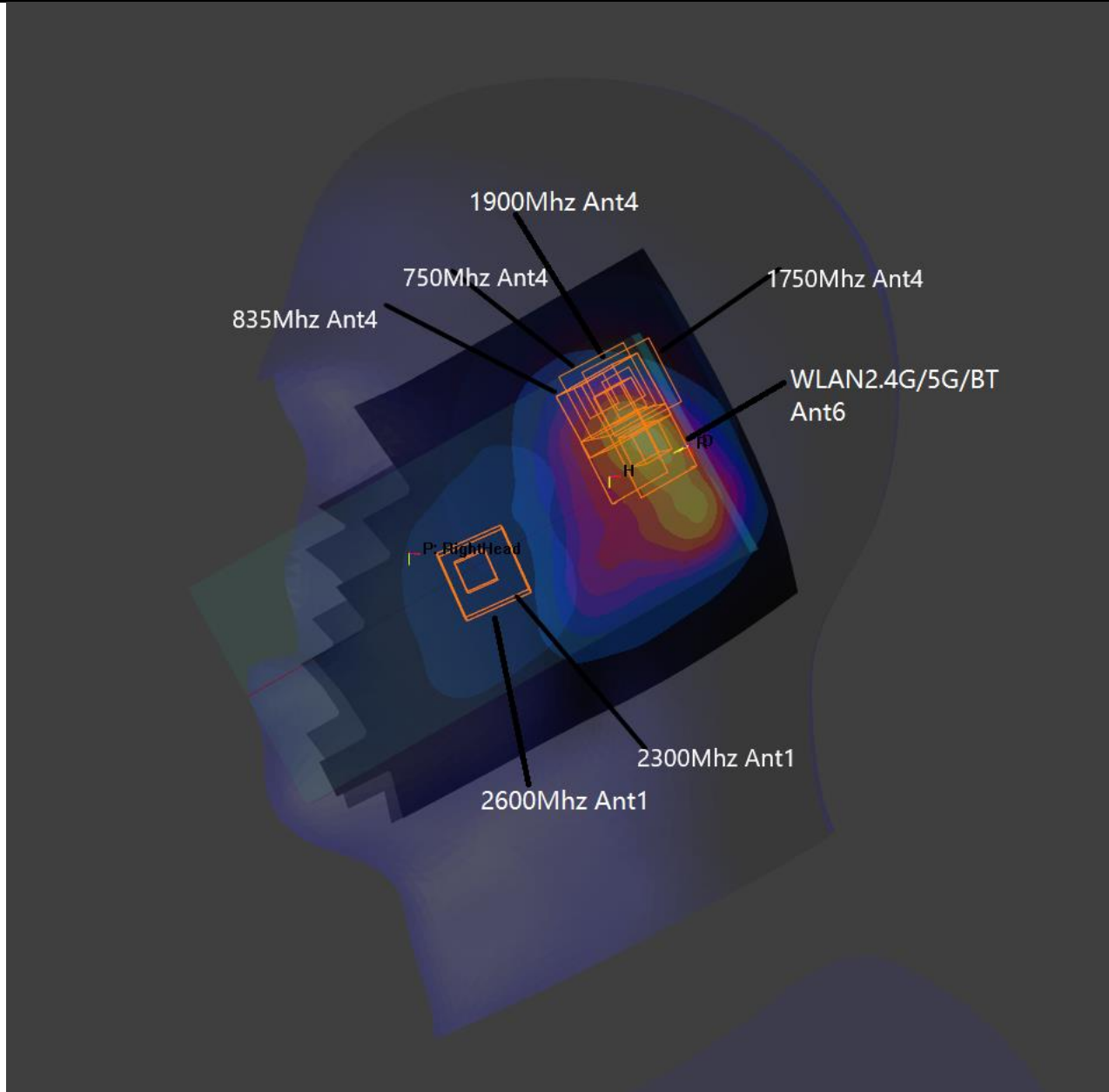
- 1) SAR1 and SAR2 are the highest reported or estimated SAR values for each antenna in the pair, SAR1+SAR2 Used the maximum Summed SAR out of all supported technologies/bands per antenna per exposure position.
- 2) Min Distance for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.



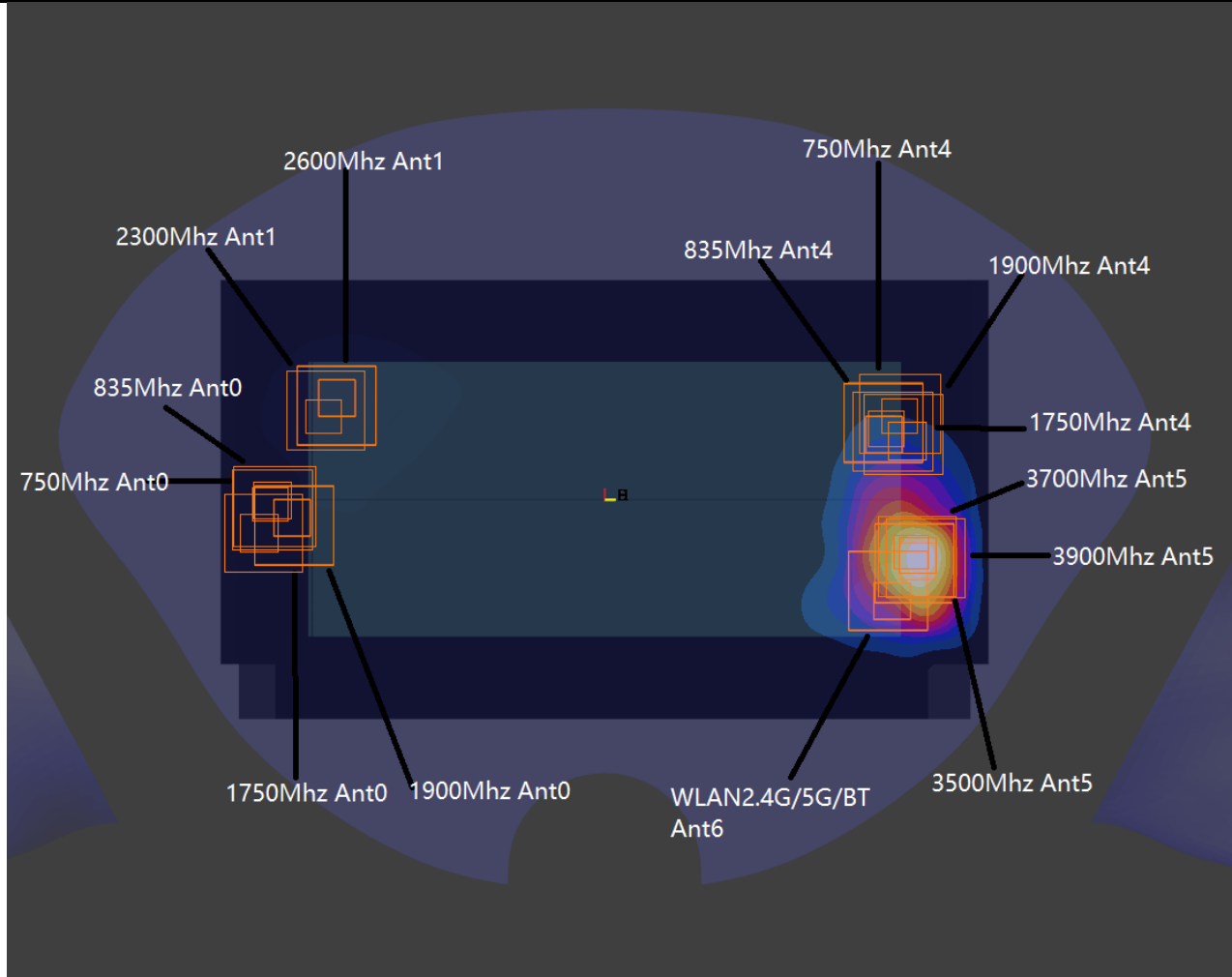
Left Cheek 0mm WWAN+WIFI(BT)



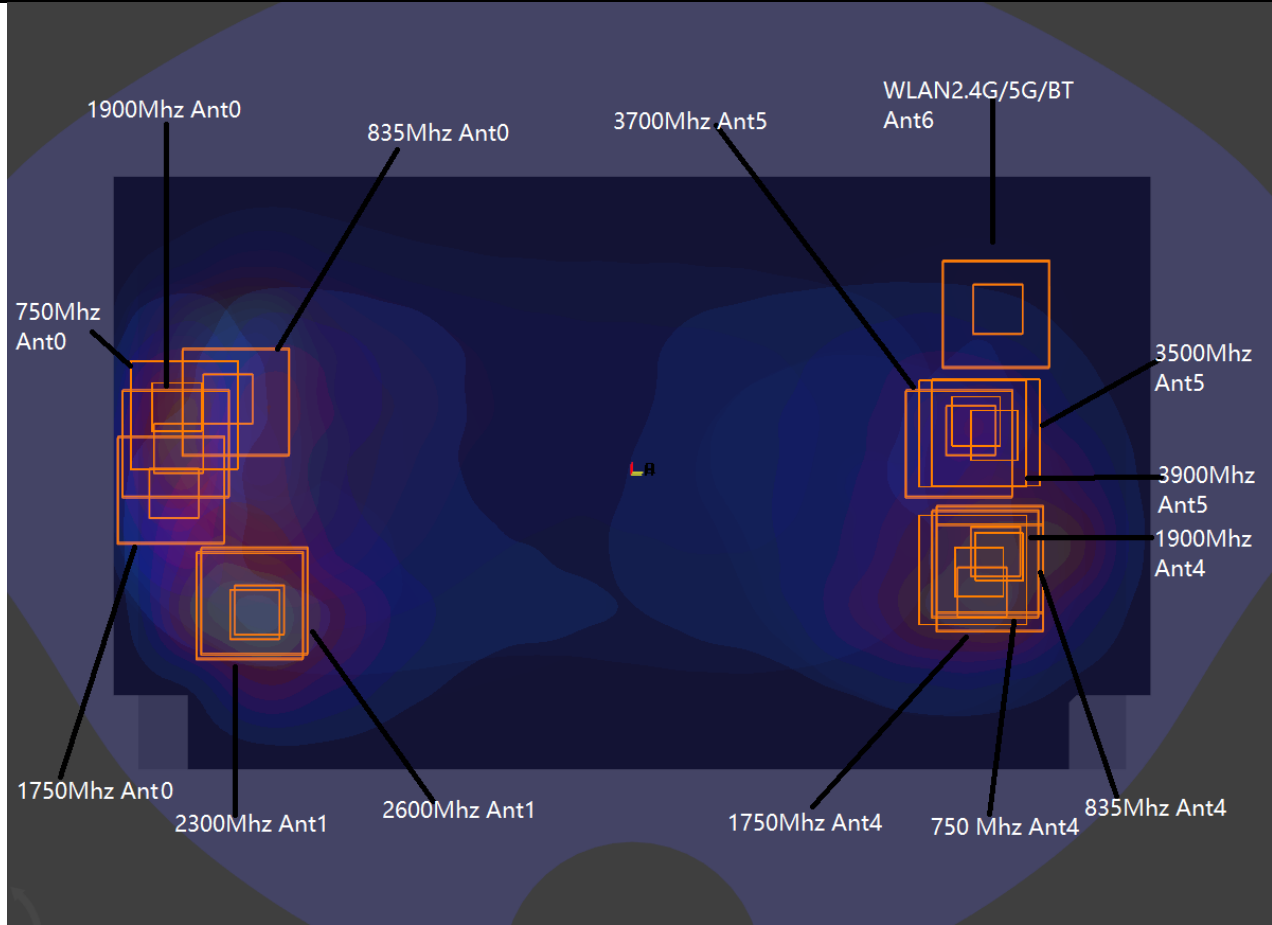
RightCheek 0mm WWAN+WIFI(BT)



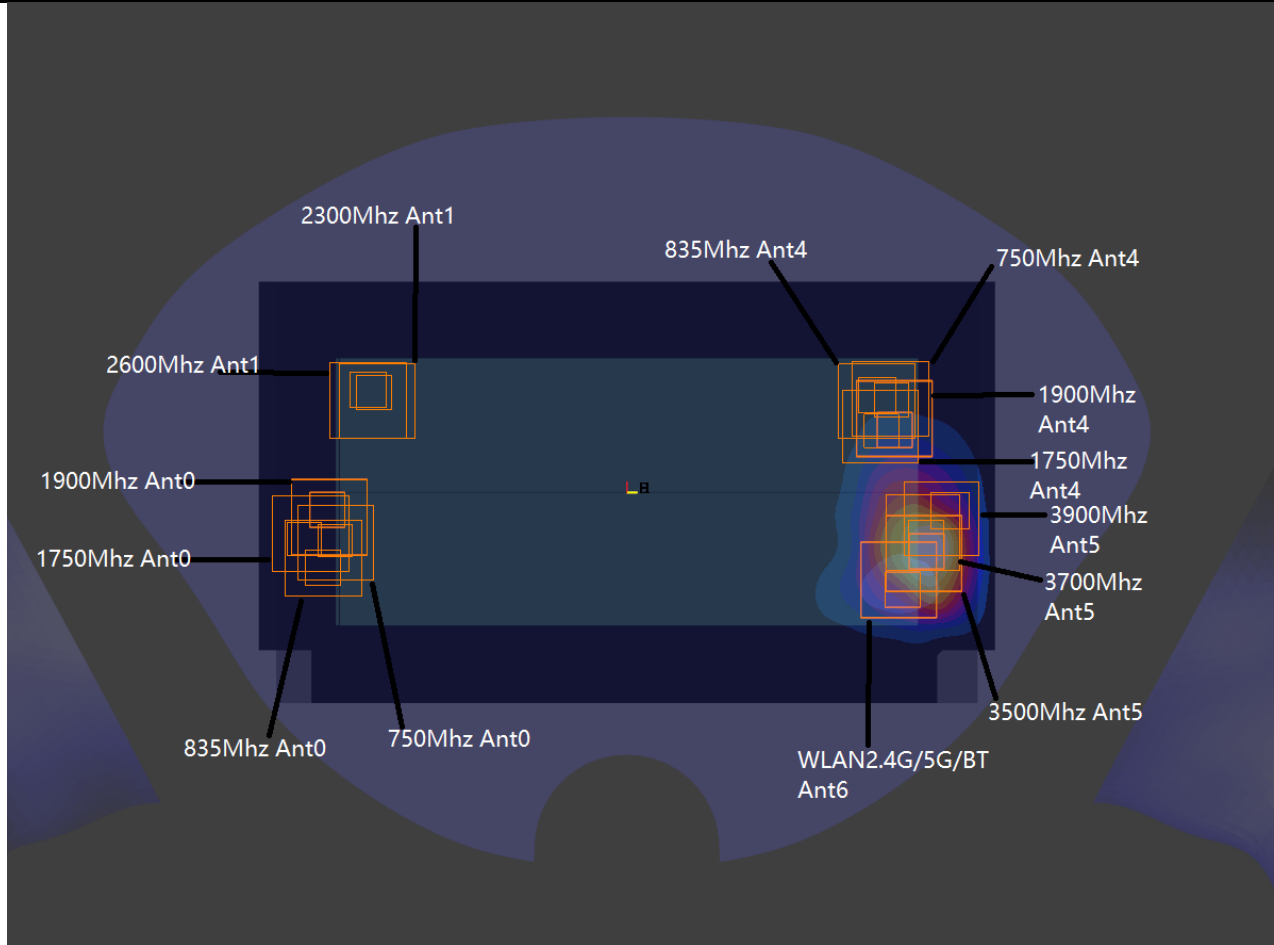
Right Tilted 0mm WWAN+WIFI(BT)



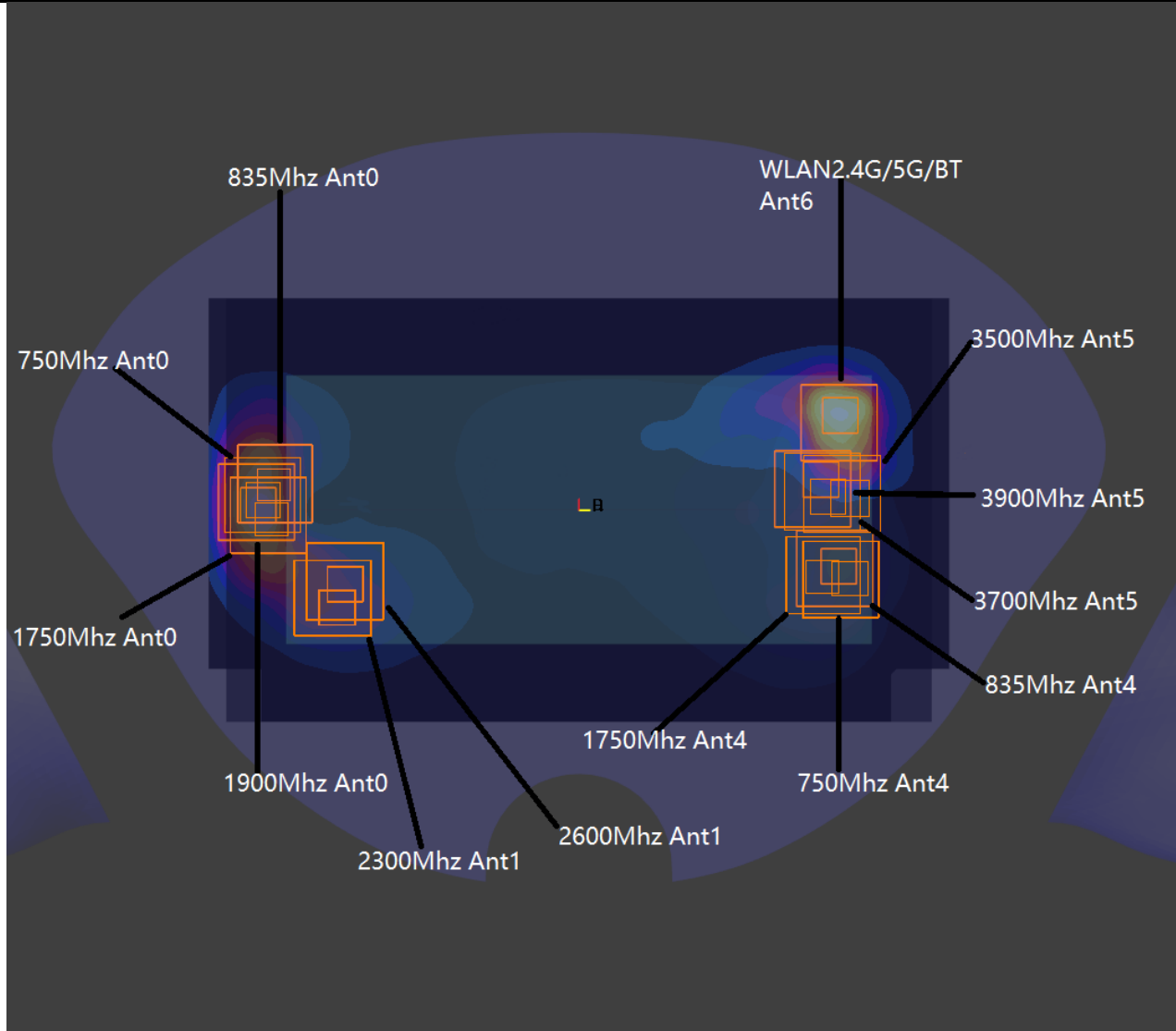
Front 5mm WWAN+WIFI(BT)



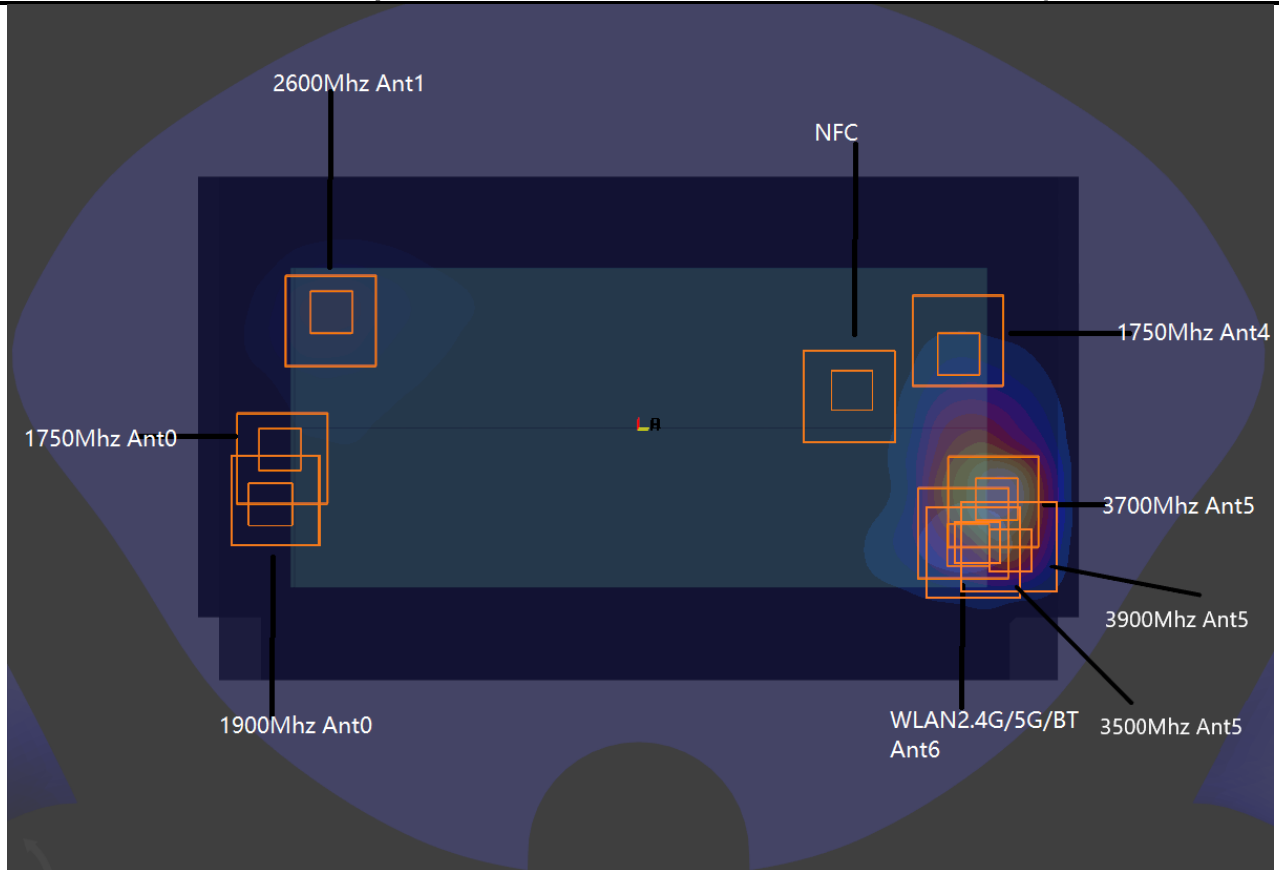
Back 5mm WWAN+WIFI(BT)



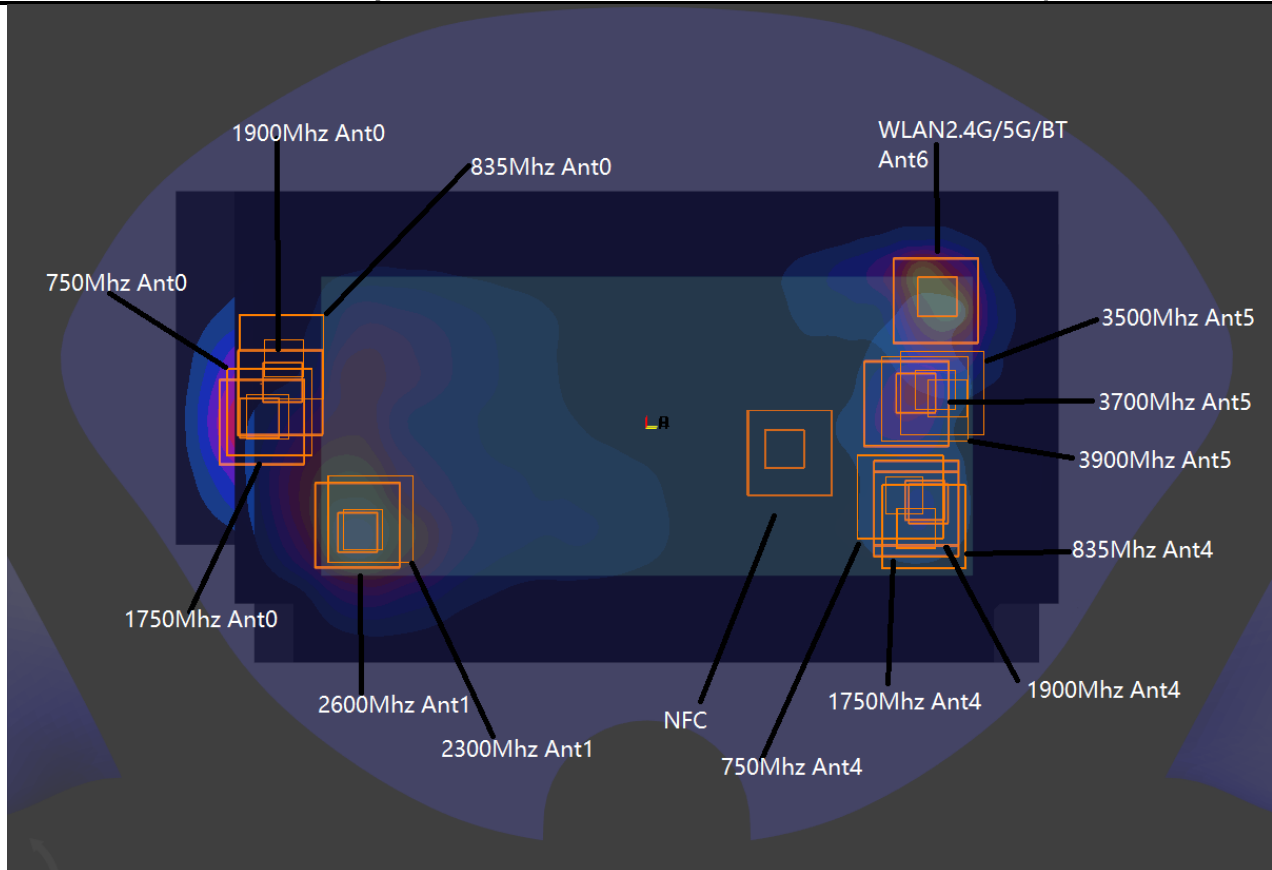
Front 12mm WWAN+WIFI(BT)



Back 22mm WWAN+WIFI(BT)



Front 0mm WWAN+WIFI(BT)+NFC



Back 0mm WWAN+WIFI(BT)+NFC

For Head

Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Right Cheek	61.5	1.73	0.04	Not required
Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Right Tilted	68.1	1.70	0.03	Not required
Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Left Cheek	60.3	1.79	0.04	Not required

Note:

1. Please refer to section 16.1 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

For Hotspot:

Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Back	133.5	2.74	0.03	Not required

Note:

1. Please refer to section 16.2 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

For Body-worn:

Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Front	127.1	1.87	0.02	Not required
Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Back	133.5	2.86	0.04	Not required

Sensor off:

Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Front	130.9	2.31	0.03	Not required
Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Back	138.1	2.07	0.02	Not required

Note:

1. Please refer to section 16.3 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

For Extremity

Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Front	114.1	5.05	0.10	Not required
Position	Min 3D distance (mm)	Max Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Back	144.7	5.92	0.10	Not required

Note:

1. Please refer to section 16.4 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

16.6 Separation distance between Peak SAR locations of each one pair Calculation results

General Note:

- Recorded for each of the supported technology/bands per antenna, in addition to the maximum reported SAR, the SAR hotspot location in a coordinate system aligned along with device dimensions (x-axis along width, y-axis along width and z-axis along length), please refer to below tables.
- Calculate results of the separation distance between the peak SAR locations for each one antenna pair with WWAN band ant0/1/4/5/9 and WLAN/BT ant6, please refer to below tables.
- Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

For Head Right Cheek

Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)
			(mm)	X	Y	Z					(mm)	X	Y	Z	
LTE B12	Ant0	Right Cheek	0mm	56.2	-255.9	-175.3	86.5	LTE B12	Ant4	Right Cheek	0mm	11.4	-329.1	-173.5	115.5
LTE B66	Ant4		0mm	10.2	-329.1	-173.7		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B13	Ant0	Right Cheek	0mm	58.1	-270.1	-172.3	76.0	LTE B14	Ant4	Right Cheek	0mm	11.9	-329.1	173.5	355.9
LTE B66	Ant4		0mm	10.2	-329.1	-173.7		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B14	Ant0	Right Cheek	0mm	51.9	-251.2	-174.3	88.4	LTE B2	Ant4	Right Cheek	0mm	14.3	-329.4	-173.7	115.4
LTE B66	Ant4		0mm	10.2	-329.1	-173.7		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B2	Ant0	Right Cheek	0mm	38.8	-228.1	-167.4	105.2	LTE B4	Ant4	Right Cheek	0mm	12.7	-329.2	-172.6	115.3
LTE B66	Ant4		0mm	10.2	-329.1	-173.7		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B4	Ant0	Right Cheek	0mm	45.2	-232.5	-181	103.0	LTE B5	Ant4	Right Cheek	0mm	16.4	-329.1	-172.6	114.7
LTE B66	Ant4		0mm	10.2	-329.1	-173.7		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B5	Ant0	Right Cheek	0mm	58.8	-228.1	-170.4	112.1	LTE B66	Ant4	Right Cheek	0mm	10.2	-329.1	-173.7	115.8
LTE B66	Ant4		0mm	10.2	-329.1	-173.7		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B12	Ant0	Right Cheek	0mm	56.2	-255.9	-175.3	85.8	LTE B25	Ant4	Right Cheek	0mm	11.3	-329.2	-172.8	115.6
LTE B12	Ant4		0mm	11.4	-329.1	-173.5		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B13	Ant0	Right Cheek	0mm	58.1	-270.1	-172.3	75.3	LTE B26	Ant4	Right Cheek	0mm	13.1	-328.6	-173.5	114.7
LTE B12	Ant4		0mm	11.4	-329.1	-173.5		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B14	Ant0	Right Cheek	0mm	51.9	-251.2	-174.3	87.8	LTE B71	Ant4	Right Cheek	0mm	13.2	-329.4	-173.7	115.5
LTE B12	Ant4		0mm	11.4	-329.1	-173.5		FR1 N30	Ant1		0mm	32.1	-215.9	-163.3	
LTE B2	Ant0	Right Cheek	0mm	38.8	-228.1	-167.4	104.8	LTE B12	Ant4	Right Cheek	0mm	11.4	-329.1	-173.5	115.9
LTE B12	Ant4		0mm	11.4	-329.1	-173.5		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B4	Ant0	Right Cheek	0mm	45.2	-232.5	-181	102.6	LTE B14	Ant4	Right Cheek	0mm	11.9	-329.1	173.5	355.8
LTE B12	Ant4		0mm	11.4	-329.1	-173.5		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B5	Ant0	Right Cheek	0mm	58.8	-228.1	-170.4	111.6	LTE B2	Ant4	Right Cheek	0mm	14.3	-329.4	-173.7	115.7
LTE B12	Ant4		0mm	11.4	-329.1	-173.5		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B12	Ant0	Right Cheek	0mm	56.2	-255.9	-175.3	85.3	LTE B4	Ant4	Right Cheek	0mm	12.7	-329.2	-172.6	115.7
LTE B13	Ant4		0mm	12.5	-329.2	-174.2		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B13	Ant0	Right Cheek	0mm	58.1	-270.1	-172.3	74.7	LTE B5	Ant4	Right Cheek	0mm	16.4	-329.1	-172.6	115.1
LTE B13	Ant4		0mm	12.5	-329.2	-174.2		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B14	Ant0	Right Cheek	0mm	51.9	-251.2	-174.3	87.4	LTE B66	Ant4	Right Cheek	0mm	10.2	-329.1	-173.7	116.1
LTE B13	Ant4		0mm	12.5	-329.2	-174.2		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B2	Ant0	Right Cheek	0mm	38.8	-228.1	-167.4	104.7	LTE B25	Ant4	Right Cheek	0mm	11.3	-329.2	-172.8	115.9
LTE B13	Ant4		0mm	12.5	-329.2	-174.2		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B4	Ant0	Right Cheek	0mm	45.2	-232.5	-181	102.3	LTE B26	Ant4	Right Cheek	0mm	13.1	-328.6	-173.5	115.1
LTE B13	Ant4		0mm	12.5	-329.2	-174.2		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B5	Ant0	Right Cheek	0mm	58.8	-228.1	-170.4	111.3	LTE B71	Ant4	Right Cheek	0mm	13.2	-329.4	-173.7	115.9
LTE B13	Ant4		0mm	12.5	-329.2	-174.2		FR1 N41	Ant1		0mm	31.2	-215.4	-163.1	
LTE B12	Ant0	Right Cheek	0mm	56.2	-255.9	-175.3	85.6	LTE B12	Ant4	Right Cheek	0mm	11.4	-329.1	-173.5	116.0
LTE B14	Ant4		0mm	11.9	-329.1	-173.5		FR1 N7	Ant1		0mm	31.7	-215.4	-162.8	
LTE B13	Ant0	Right Cheek	0mm	58.1	-270.1	-172.3	74.9	LTE B14	Ant4	Right Cheek	0mm	11.9	-329.1	173.5	355.6
LTE B14	Ant4		0mm	11.9	-329.1	-173.5		FR1 N7	Ant1		0mm	31.7	-215.4	-162.8	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	87.6	LTE B2	Ant4	Right	0mm	14.3	-329.4	-173.7	115.8



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LTE B14	Ant4	Cheek	0mm	11.9	-329.1	-173.5		FR1 N7	Ant1	Cheek	0mm	31.7	-215.4	-162.8	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	104.7	LTE B4	Ant4	Right	0mm	12.7	-329.2	-172.6	115.8
LTE B14	Ant4	Cheek	0mm	11.9	-329.1	-173.5		FR1 N7	Ant1	Cheek	0mm	31.7	-215.4	-162.8	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	102.5	LTE B5	Ant4	Right	0mm	16.4	-329.1	-172.6	115.1
LTE B14	Ant4	Cheek	0mm	11.9	-329.1	-173.5		FR1 N7	Ant1	Cheek	0mm	31.7	-215.4	-162.8	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	111.4	LTE B66	Ant4	Right	0mm	10.2	-329.1	-173.7	116.2
LTE B14	Ant4	Cheek	0mm	11.9	-329.1	-173.5		FR1 N7	Ant1	Cheek	0mm	31.7	-215.4	-162.8	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	85.3	LTE B25	Ant4	Right	0mm	11.3	-329.2	-172.8	116.0
LTE B4	Ant4	Cheek	0mm	12.7	-329.2	-172.6		FR1 N7	Ant1	Cheek	0mm	31.7	-215.4	-162.8	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	74.5	LTE B26	Ant4	Right	0mm	13.1	-328.6	-173.5	115.2
LTE B4	Ant4	Cheek	0mm	12.7	-329.2	-172.6		FR1 N7	Ant1	Cheek	0mm	31.7	-215.4	-162.8	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	87.3	LTE B71	Ant4	Right	0mm	13.2	-329.4	-173.7	116.0
LTE B4	Ant4	Cheek	0mm	12.7	-329.2	-172.6		FR1 N7	Ant1	Cheek	0mm	31.7	-215.4	-162.8	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	104.5	LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	82.4
LTE B4	Ant4	Cheek	0mm	12.7	-329.2	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	102.4	LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	71.1
LTE B4	Ant4	Cheek	0mm	12.7	-329.2	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	111.1	LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	84.8
LTE B4	Ant4	Cheek	0mm	12.7	-329.2	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	83.4	LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	103.3
LTE B5	Ant4	Cheek	0mm	16.4	-329.1	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	72.2	LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	100.5
LTE B5	Ant4	Cheek	0mm	16.4	-329.1	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	85.6	LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	108.9
LTE B5	Ant4	Cheek	0mm	16.4	-329.1	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	103.6	LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	76.4
LTE B5	Ant4	Cheek	0mm	16.4	-329.1	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	101.2	LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	97.8
LTE B5	Ant4	Cheek	0mm	16.4	-329.1	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	109.6	LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	85.9
LTE B5	Ant4	Cheek	0mm	16.4	-329.1	-172.6		FR1 N5	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	79.1	LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	82.4
BT	Ant4	Cheek	0mm	11.4	-321.1	-174.5		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	69.2	LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	71.1
BT	Ant4	Cheek	0mm	11.4	-321.1	-174.5		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	80.8	LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	84.8
BT	Ant4	Cheek	0mm	11.4	-321.1	-174.5		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	97.2	LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	103.3
BT	Ant4	Cheek	0mm	11.4	-321.1	-174.5		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	95.1	LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	100.5
BT	Ant4	Cheek	0mm	11.4	-321.1	-174.5		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	104.5	LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	108.9
BT	Ant4	Cheek	0mm	11.4	-321.1	-174.5		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	70.5	LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	76.4
WIFI 2.4G	Ant4	Cheek	0mm	11.9	-310.7	-173.7		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	61.5	LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	97.8
WIFI 2.4G	Ant4	Cheek	0mm	11.9	-310.7	-173.7		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	71.7	LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	85.9
WIFI 2.4G	Ant4	Cheek	0mm	11.9	-310.7	-173.7		FR1 N25	Ant4	Cheek	0mm	18.6	-329.2	-174.3	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	87.1	LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	84.9
WIFI 2.4G	Ant4	Cheek	0mm	11.9	-310.7	-173.7		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
WIFI 2.4G	Ant0	Right	0mm	45.2	-232.5	-181	85.3	LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	74.1
WIFI 2.4G	Ant4	Cheek	0mm	11.9	-310.7	-173.7		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	95.0	LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	87.0
WIFI 2.4G	Ant4	Cheek	0mm	11.9	-310.7	-173.7		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	76.9	LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	104.4



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WIFI 5G	Ant4	Cheek	0mm	11.7	-318.6	-173.6		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	67.1	LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	102.1
WIFI 5G	Ant4	Cheek	0mm	11.7	-318.6	-173.6		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	78.5	LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	110.9
WIFI 5G	Ant4	Cheek	0mm	11.7	-318.6	-173.6		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	94.7	LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	78.3
WIFI 5G	Ant4	Cheek	0mm	11.7	-318.6	-173.6		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	92.7	LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	99.9
WIFI 5G	Ant4	Cheek	0mm	11.7	-318.6	-173.6		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	102.1	LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	87.4
WIFI 5G	Ant4	Cheek	0mm	11.7	-318.6	-173.6		FR1 N71	Ant4	Cheek	0mm	13.4	-329.2	-172.9	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	85.9	LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	76.9
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	75.3	LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	67.1
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	87.8	LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	78.5
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	104.9	LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	94.7
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	102.6	LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	92.7
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	111.7	LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	102.1
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	79.1	LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	69.7
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	100.7	LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	91.2
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	88.1	LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	78.3
FR1 N12	Ant4	Cheek	0mm	11.3	-329.1	-173.5		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	86.5	FR1 N30	Ant1	Right	0mm	32.1	-215.9	-163.3	107.8
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	76.1	FR1 N41	Ant1	Right	0mm	31.2	-215.4	-163.1	108.1
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	88.4	FR1 N7	Ant1	Right	0mm	31.7	-215.4	-162.8	108.3
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	105.2	FR1 N30	Ant1	Right	0mm	32.1	-215.9	-163.3	97.5
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	103.0	FR1 N41	Ant1	Right	0mm	31.2	-215.4	-163.1	97.8
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	112.2	FR1 N7	Ant1	Right	0mm	31.7	-215.4	-162.8	97.9
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	79.7	FR1 N30	Ant1	Right	0mm	32.1	-215.9	-163.3	105.2
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	101.3	FR1 N41	Ant1	Right	0mm	31.2	-215.4	-163.1	105.5
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	88.5	FR1 N7	Ant1	Right	0mm	31.7	-215.4	-162.8	105.7
FR1 N66	Ant4	Cheek	0mm	10.1	-329.1	-173.6		WIFI 5G	Ant6	Cheek	0mm	11.7	-318.6	-173.6	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	137.0								
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2									
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	128.3								
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2									
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	143.2								
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2									
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	167.3								
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2									
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	159.6								

FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	151.7
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2	
LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	144.5
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2	
LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	146.9
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2	
LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	152.7
FR1 N2	Ant4	Cheek	0mm	172	-329.1	-173.2	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	79.1
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	69.2
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	80.8
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	97.2
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	95.1
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	104.5
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	72.1
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	93.6
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	80.7
BT	Ant6	Cheek	0mm	11.4	-321.1	-174.5	
LTE B12	Ant0	Right	0mm	56.2	-255.9	-175.3	70.5
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B13	Ant0	Right	0mm	58.1	-270.1	-172.3	61.5
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B14	Ant0	Right	0mm	51.9	-251.2	-174.3	71.7
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B2	Ant0	Right	0mm	38.8	-228.1	-167.4	87.1
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B4	Ant0	Right	0mm	45.2	-232.5	-181	85.3
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B5	Ant0	Right	0mm	58.8	-228.1	-170.4	95.0
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B66	Ant0	Right	0mm	46.2	-258.3	-167.9	62.9
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B26	Ant0	Right	0mm	56.1	-238.9	-175.3	84.3
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	
LTE B71	Ant0	Right	0mm	43.2	-247.1	-169.2	71.0
WIFI 2.4G	Ant6	Cheek	0mm	11.9	-310.7	-173.7	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Right Cheek	61.5



Right Tilted

Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)
LTE B12	Ant4	Right Tilted	0mm	14.5	-317.3	-170.2	92.5	FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4	91.8
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		WIFI 5G	Ant6	Right Tilted	0mm	14.1	-316.4	-171.2	
LTE B14	Ant4	Right Tilted	0mm	11.3	-308.2	-169.5	84.7	FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2	83.0
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		WIFI 5G	Ant6	Right Tilted	0mm	14.1	-316.4	-171.2	
LTE B25	Ant4	Right Tilted	0mm	13.5	-332.1	-173.8	107.2	FR1 N7	Ant1	Right Tilted	0mm	31.2	-237.1	-174.1	81.2
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		WIFI 5G	Ant6	Right Tilted	0mm	14.1	-316.4	-171.2	
LTE B26	Ant4	Right Tilted	0mm	18.2	-308.7	-166.2	83.2	LTE B12	Ant1	Right Tilted	0mm	14.5	-317.3	-170.2	82.0
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B2	Ant4	Right Tilted	0mm	15.2	-309.2	-169.2	84.5	LTE B14	Ant1	Right Tilted	0mm	11.3	-308.2	-169.5	74.0
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B4	Ant4	Right Tilted	0mm	11.8	-302.2	-169.1	78.9	LTE B25	Ant1	Right Tilted	0mm	13.5	-332.1	-173.8	96.6
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B5	Ant4	Right Tilted	0mm	14.6	-321.3	-174.3	96.5	LTE B26	Ant1	Right Tilted	0mm	18.2	-308.7	-166.2	73.2
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B66	Ant4	Right Tilted	0mm	12.8	-322.6	-169.7	98.0	LTE B2	Ant1	Right Tilted	0mm	15.2	-309.2	-169.2	74.0
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B71	Ant4	Right Tilted	0mm	14.2	-331.4	-170.1	106.2	LTE B4	Ant1	Right Tilted	0mm	11.8	-302.2	-169.1	68.1
FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B12	Ant4	Right Tilted	0mm	14.5	-317.3	-170.2	83.8	LTE B5	Ant1	Right Tilted	0mm	14.6	-321.3	-174.3	85.8
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B14	Ant4	Right Tilted	0mm	11.3	-308.2	-169.5	75.9	LTE B66	Ant1	Right Tilted	0mm	12.8	-322.6	-169.7	87.6
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B25	Ant4	Right Tilted	0mm	13.5	-332.1	-173.8	98.5	LTE B71	Ant1	Right Tilted	0mm	14.2	-331.4	-170.1	95.9
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		FR1 N7	Ant6	Right Tilted	0mm	31.2	-237.1	-174.1	
LTE B26	Ant4	Right Tilted	0mm	18.2	-308.7	-166.2	74.8	FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4	94.8
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		BT	Ant6	Right Tilted	0mm	14.2	-319.5	-172.3	
LTE B2	Ant4	Right Tilted	0mm	15.2	-309.2	-169.2	75.8	FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2	86.0
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		BT	Ant6	Right Tilted	0mm	14.2	-319.5	-172.3	
LTE B4	Ant4	Right Tilted	0mm	11.8	-302.2	-169.1	70.0	FR1 N7	Ant1	Right Tilted	0mm	31.2	-237.1	-174.1	84.2
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		BT	Ant6	Right Tilted	0mm	14.2	-319.5	-172.3	
LTE B5	Ant4	Right Tilted	0mm	14.6	-321.3	-174.3	87.7	FR1 N30	Ant1	Right Tilted	0mm	38.8	-228.1	-167.4	99.1
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		WIFI 2.4G	Ant6	Right Tilted	0mm	13.3	-323.8	-169.4	
LTE B66	Ant4	Right Tilted	0mm	12.8	-322.6	-169.7	89.4	FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2	90.4
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		WIFI 2.4G	Ant6	Right Tilted	0mm	13.3	-323.8	-169.4	
LTE B71	Ant4	Right Tilted	0mm	14.2	-331.4	-170.1	97.7	FR1 N7	Ant1	Right Tilted	0mm	31.2	-237.1	-174.1	88.7
FR1 N41	Ant1	Right Tilted	0mm	33.2	-235.6	-171.2		WIFI 2.4G	Ant6	Right Tilted	0mm	13.3	-323.8	-169.4	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Right Tilted	68.1



Left Cheek

Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)
				X	Y	Z						X	Y	Z	
LTE B12	Ant4	Left Cheek	0mm	12.5	275.3	-172.5	72.9	FR1 N30	Ant1	Left Cheek	0mm	81	250.4	-174.7	96.3
FR1 N30	Ant1		0mm	81	250.4	-174.7		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B14	Ant4	Left Cheek	0mm	15.1	255.1	-173.5	66.1	FR1 N41	Ant1	Left Cheek	0mm	78.2	249.2	-171.4	95.9
FR1 N30	Ant1		0mm	81	250.4	-174.7		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B25	Ant4	Left Cheek	0mm	18.2	269.4	-170.2	65.8	FR1 N7	Ant1	Left Cheek	0mm	75.9	245.2	-172.9	98.2
FR1 N30	Ant1		0mm	81	250.4	-174.7		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B26	Ant4	Left Cheek	0mm	16.2	261.9	-177.3	65.9	FR1 N30	Ant1	Left Cheek	0mm	81	250.4	-174.7	98.8
FR1 N30	Ant1		0mm	81	250.4	-174.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B2	Ant4	Left Cheek	0mm	18.2	269.4	-170.2	65.8	FR1 N41	Ant1	Left Cheek	0mm	78.2	249.2	-171.4	98.0
FR1 N30	Ant1		0mm	81	250.4	-174.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B4	Ant4	Left Cheek	0mm	17.3	265.7	-173.4	65.5	FR1 N7	Ant1	Left Cheek	0mm	75.9	245.2	-172.9	100.1
FR1 N30	Ant1		0mm	81	250.4	-174.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B5	Ant4	Left Cheek	0mm	16.2	261.9	-177.3	65.9	FR1 N30	Ant1	Left Cheek	0mm	81	250.4	-174.7	98.3
FR1 N30	Ant1		0mm	81	250.4	-174.7		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B66	Ant4	Left Cheek	0mm	14.9	252.8	-175.3	66.1	FR1 N41	Ant1	Left Cheek	0mm	78.2	249.2	-171.4	97.4
FR1 N30	Ant1		0mm	81	250.4	-174.7		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B71	Ant4	Left Cheek	0mm	10.2	242.3	-181.5	71.6	FR1 N7	Ant1	Left Cheek	0mm	75.9	245.2	-172.9	99.1
FR1 N30	Ant1		0mm	81	250.4	-174.7		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B12	Ant4	Left Cheek	0mm	12.5	275.3	-172.5	70.7	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	105.2
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B14	Ant4	Left Cheek	0mm	15.1	255.1	-173.5	63.4	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	125.1
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B25	Ant4	Left Cheek	0mm	18.2	269.4	-170.2	63.3	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	117.9
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B26	Ant4	Left Cheek	0mm	16.2	261.9	-177.3	63.6	LTE B25	Ant0	Left Cheek	0mm	65.7	216	-168.2	121.3
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B2	Ant4	Left Cheek	0mm	18.2	269.4	-170.2	63.3	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	102.2
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B4	Ant4	Left Cheek	0mm	17.3	265.7	-173.4	63.1	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	115.8
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B5	Ant4	Left Cheek	0mm	16.2	261.9	-177.3	63.6	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	135.6
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B66	Ant4	Left Cheek	0mm	14.9	252.8	-175.3	63.5	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	78.7
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B71	Ant4	Left Cheek	0mm	10.2	242.3	-181.5	69.1	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	116.0
FR1 N41	Ant1		0mm	78.2	249.2	-171.4		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B12	Ant4	Left Cheek	0mm	12.5	275.3	-172.5	70.2	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	103.4
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B14	Ant4	Left Cheek	0mm	15.1	255.1	-173.5	61.6	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	106.7
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B25	Ant4	Left Cheek	0mm	18.2	269.4	-170.2	62.6	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	126.2
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B26	Ant4	Left Cheek	0mm	16.2	261.9	-177.3	62.1	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	119.1
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B2	Ant4	Left Cheek	0mm	18.2	269.4	-170.2	62.6	LTE B25	Ant0	Left Cheek	0mm	65.7	216	-168.2	121.6
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B4	Ant4	Left Cheek	0mm	17.3	265.7	-173.4	62.1	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	104.0
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B5	Ant4	Left Cheek	0mm	16.2	261.9	-177.3	62.1	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	117.4
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI	Ant6		0mm	21.7	329.3	-171.2	



								2.4G							
LTE B66	Ant4	Left Cheek	0mm	14.9	252.8	-175.3	61.5	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	136.1
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B71	Ant4	Left Cheek	0mm	10.2	242.3	-181.5	66.3	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	82.2
FR1 N7	Ant1		0mm	75.9	245.2	-172.9		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B12	Ant5	Left Cheek	0mm	75.3	237	-171.8	109.7	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	116.7
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B13	Ant5	Left Cheek	0mm	77.2	216	-174.2	128.2	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	104.8
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B14	Ant5	Left Cheek	0mm	75.3	223	-175.3	121.2	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	105.5
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B25	Ant5	Left Cheek	0mm	65.7	216	-168.2	122.6	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	124.3
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B26	Ant5	Left Cheek	0mm	76.5	241	-175.3	107.3	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	117.3
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B2	Ant5	Left Cheek	0mm	81	228	-173.8	120.3	LTE B25	Ant0	Left Cheek	0mm	65.7	216	-168.2	119.3
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B4	Ant5	Left Cheek	0mm	72.3	203	-170.2	137.1	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	102.9
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B5	Ant5	Left Cheek	0mm	81.5	273	-173.2	88.6	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	116.1
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B66	Ant5	Left Cheek	0mm	69.7	223	-168.2	118.4	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	133.7
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B71	Ant5	Left Cheek	0mm	73.2	238	-171.1	107.7	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	83.0
FR1 N77	Ant0		0mm	9.8	325	-173.8		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B12	Ant5	Left Cheek	0mm	75.3	237	-171.8	100.1	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	114.7
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B13	Ant5	Left Cheek	0mm	77.2	216	-174.2	118.2	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	103.5
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B14	Ant5	Left Cheek	0mm	75.3	223	-175.3	111.6	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	105.2
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B25	Ant5	Left Cheek	0mm	65.7	216	-168.2	111.7	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	125.1
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B26	Ant5	Left Cheek	0mm	76.5	241	-175.3	98.3	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	117.9
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B2	Ant5	Left Cheek	0mm	81	228	-173.8	110.8	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	102.2
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B4	Ant5	Left Cheek	0mm	72.3	203	-170.2	126.4	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	115.8
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B5	Ant5	Left Cheek	0mm	81.5	273	-173.2	81.5	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	135.6
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B66	Ant5	Left Cheek	0mm	69.7	223	-168.2	107.7	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	78.7
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B71	Ant5	Left Cheek	0mm	73.2	238	-171.1	97.9	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	116.0
FR1 N78	Ant0		0mm	12.3	313.6	-158.6		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B12	Ant5	Left Cheek	0mm	75.3	237	-171.8	114.5	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	103.4
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		BT	Ant6		0mm	28.7	331.3	-174.7	
LTE B13	Ant5	Left Cheek	0mm	77.2	216	-174.2	133.3	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	106.7
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B14	Ant5	Left Cheek	0mm	75.3	223	-175.3	126.4	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	126.2
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B25	Ant5	Left Cheek	0mm	65.7	216	-168.2	127.9	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	119.1
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	



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LTE B26	Ant5	Left Cheek	0mm	76.5	241	-175.3	112.1	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	104.0
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B2	Ant5	Left Cheek	0mm	81	228	-173.8	125.2	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	117.4
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B4	Ant5	Left Cheek	0mm	72.3	203	-170.2	142.4	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	136.1
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B5	Ant5	Left Cheek	0mm	81.5	273	-173.2	92.1	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	82.2
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B66	Ant5	Left Cheek	0mm	69.7	223	-168.2	123.5	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	116.7
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B71	Ant5	Left Cheek	0mm	73.2	238	-171.1	112.5	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	104.8
FR1 N48	Ant0		0mm	10.2	331.2	-169.7		WIFI 2.4G	Ant6		0mm	21.7	329.3	-171.2	
LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	73.6	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	105.5
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	87.8	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	124.3
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	81.8	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	117.3
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	72.7	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	102.9
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	83.3	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	116.1
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	93.9	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	133.7
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	69.0	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	83.0
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	77.6	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	114.7
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	71.3	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	103.5
FR1 N12	Ant4		0mm	12.5	275.3	-172.4		WIFI 5G	Ant6		0mm	16.3	324.4	-173.8	
LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	64.4	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	66.0
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	76.4	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	72.0
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	70.8	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	67.9
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	63.8	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	66.6
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	73.2	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	72.4
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	81.6	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	73.8
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	66.4	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	78.5
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	66.8	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	63.7
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	62.1	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	63.9
FR1 N5	Ant4		0mm	16.2	261.9	-177.2		FR1 N71	Ant4		0mm	10.2	241.3	-181.5	
LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	62.5	LTE B12	Ant0	Left Cheek	0mm	75.3	237	-171.8	65.7
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	

LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	72.4	LTE B13	Ant0	Left Cheek	0mm	77.2	216	-174.2	79.7
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	
LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	67.4	LTE B14	Ant0	Left Cheek	0mm	75.3	223	-175.3	73.8
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	
LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	62.7	LTE B26	Ant0	Left Cheek	0mm	76.5	241	-175.3	65.1
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	
LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	70.6	LTE B2	Ant0	Left Cheek	0mm	81	228	-173.8	75.3
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	
LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	76.2	LTE B4	Ant0	Left Cheek	0mm	72.3	203	-170.2	85.6
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	
LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	69.6	LTE B5	Ant0	Left Cheek	0mm	81.5	273	-173.2	63.5
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	
LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	62.8	LTE B66	Ant0	Left Cheek	0mm	69.7	223	-168.2	69.3
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	
LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	60.3	LTE B71	Ant0	Left Cheek	0mm	73.2	238	-171.1	63.3
FR1 N66	Ant4		0mm	14.9	252.8	-175.3		FR1 N25	Ant4		0mm	18.2	269.4	-170.1	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Left Cheek	60.3

For Hotspot:
Back

Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)
				X	Y	Z						X	Y	Z	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	139.7	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	142.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	145.1	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	147.6
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 13	Ant0	Back	5mm	-52.7	-78.6	-207	137.0	LTE Band 13	Ant0	Back	5mm	-52.7	-78.6	-207	139.8
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	153.7	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	156.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207	143.6	FR1 n71	Ant0	Back	5mm	-53	-85.3	-207	146.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n12	Ant0	Back	5mm	-49	-82.7	-207	141.3	FR1 n12	Ant0	Back	5mm	-49	-82.7	-207	144.1
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n14	Ant0	Back	5mm	-52	-79.6	-207	138.0	FR1 n14	Ant0	Back	5mm	-52	-79.6	-207	140.8
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
GSM850	Ant0	Back	5mm	-54	-75.2	-207	133.5	GSM850	Ant0	Back	5mm	-54	-75.2	-207	136.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA V	Ant0	Back	5mm	-45	-89.7	-207	148.7	WCDMA V	Ant0	Back	5mm	-45	-89.7	-207	151.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	138.6	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	141.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n26	Ant0	Back	5mm	-63	-81.2	-207	139.2	FR1 n26	Ant0	Back	5mm	-63	-81.2	-207	142.2
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA IV	Ant0	Back	5mm	-53	-88.2	-207	146.5	WCDMA IV	Ant0	Back	5mm	-53	-88.2	-207	149.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	139.4	LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	142.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n70	Ant0	Back	5mm	-41	-94.2	-207	153.7	FR1 n70	Ant0	Back	5mm	-41	-94.2	-207	156.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	141.9	FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	144.5
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
GSM1900	Ant0	Back	5mm	-45	-81.4	-207	140.5	GSM1900	Ant0	Back	5mm	-45	-81.4	-207	143.1
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA II	Ant0	Back	5mm	-54	-79.8	-207	138.1	WCDMA II	Ant0	Back	5mm	-54	-79.8	-207	140.9
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	146.0	LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	148.7
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	145.9	FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	148.6
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	144.2	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	144.7
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	148.8	FR1 n30	Ant1	Back	5mm	7.9	-71	-207	147.0
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
LTE Band 13	Ant0	Back	5mm	-52.7	-78.6	-207	141.6	LTE Band 7	Ant1	Back	5mm	8.4	-71	-207	147.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	157.6	LTE Band 41	Ant1	Back	5mm	5.9	-78	-207	152.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207	148.3	FR1 n7	Ant1	Back	5mm	8.8	-71	-207	147.4
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
FR1 n12	Ant0	Back	5mm	-49	-82.7	-207	145.7	FR1 n41	Ant1	Back	5mm	11.2	-72	-207	149.4
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
FR1 n14	Ant0	Back	5mm	-52	-79.6	-207	142.6	FR1 n77	Ant1	Back	5mm	12.2	-71	-207	149.1
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	



GSM850	Ant0	Back	5mm	-54	-75.2	-207	138.2	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	145.9
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA V	Ant0	Back	5mm	-45	-89.7	-207	152.9	FR1 n30	Ant1	Back	5mm	7.9	-71	-207	148.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	143.2	LTE Band 7	Ant1	Back	5mm	8.4	-71	-207	148.4
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n26	Ant0	Back	5mm	-63	-81.2	-207	144.6	LTE Band 41	Ant1	Back	5mm	5.9	-78	-207	153.6
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA IV	Ant0	Back	5mm	-53	-88.2	-207	151.2	FR1 n7	Ant1	Back	5mm	8.8	-71	-207	148.6
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	144.4	FR1 n41	Ant1	Back	5mm	11.2	-72	-207	150.6
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n70	Ant0	Back	5mm	-41	-94.2	-207	157.6	FR1 n77	Ant1	Back	5mm	12.2	-71	-207	150.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	146.0	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	144.4
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
GSM1900	Ant0	Back	5mm	-45	-81.4	-207	144.6	FR1 n30	Ant1	Back	5mm	7.9	-71	-207	146.8
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
WCDMA II	Ant0	Back	5mm	-54	-79.8	-207	142.8	LTE Band 7	Ant1	Back	5mm	8.4	-71	-207	147.0
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	150.5	LTE Band 41	Ant1	Back	5mm	5.9	-78	-207	152.5
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	150.3	FR1 n7	Ant1	Back	5mm	8.8	-71	-207	147.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	164.8	FR1 n41	Ant1	Back	5mm	11.2	-72	-207	149.1
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	161.1	FR1 n77	Ant1	Back	5mm	12.2	-71	-207	148.6
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	173.7	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	165.2
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 66	Ant4		5mm	-5.8	76.3	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87	-207	168.9	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	161.6
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 66	Ant4		5mm	-5.8	76.3	-207	
LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	165.4	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	174.1
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 66	Ant4		5mm	-5.8	76.3	-207	
LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	162.6	LTE Band 2	Ant0	Back	5mm	-51	-87	-207	169.4
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 66	Ant4		5mm	-5.8	76.3	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	167.2	LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	166.0
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 66	Ant4		5mm	-5.8	76.3	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	163.6	LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	163.2
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 66	Ant4		5mm	-5.8	76.3	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	176.1	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	160.2
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87	-207	171.4	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	156.4
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	168.0	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	169.1
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	165.1	LTE Band 2	Ant0	Back	5mm	-51	-87	-207	164.2
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	159.7	LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	160.6
LTE Band 14	Ant4		5mm	-11.2	71.8	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	155.8	LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	157.9
LTE Band 14	Ant4		5mm	-11.2	71.8	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	168.7	LTE Band 2	Ant0	Back	5mm	-51	-87	-207	163.4
LTE Band 14	Ant4		5mm	-11.2	71.8	-207		LTE Band 48	Ant5		5mm	-34	75.5	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87	-207	163.7	LTE Band 48	Ant5	Back	5mm	-34	75.5	-207	158.6
LTE Band 14	Ant4		5mm	-11.2	71.8	-207		LTE Band 66	Ant0		5mm	-58	-81.3	-207	



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LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	160.1	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	158.7
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207		FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	
LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	157.4	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	163.4
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207		FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	
LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	163.1	LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	165.8
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207		FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	
LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	167.8	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	158.3
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207		FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	
LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	170.3	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	158.7
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207		FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	162.6	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	163.9
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207		FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	
LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	163.1	LTE Band 5	Ant4	Back	5mm	-10.3	72.1	-207	158.7
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207		FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	
LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	168.4	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	163.7
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207		FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	
LTE Band 5	Ant4	Back	5mm	-10.3	72.1	-207	163.1	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	168.4
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207		FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	
LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	162.1	LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	170.8
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207		FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	
LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	166.9	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	163.2
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207		FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	
LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	169.5	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	163.7
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207		FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	161.5	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	168.9
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207		FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	
LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	162.1	LTE Band 5	Ant4	Back	5mm	-10.3	72.1	-207	163.7
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207		FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	
LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	167.6	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	144.4
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207		FR1 n7	Ant1	Back	5mm	8.8	-71	-207	
LTE Band 5	Ant4	Back	5mm	-10.3	72.1	-207	162.1	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	148.4
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207		FR1 n7	Ant1	Back	5mm	8.8	-71	-207	
LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	144.3	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	144.2
FR1 n30	Ant1	Back	5mm	7.9	-71	-207		FR1 n7	Ant1	Back	5mm	8.8	-71	-207	
LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	148.3	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	144.4
FR1 n30	Ant1	Back	5mm	7.9	-71	-207		FR1 n7	Ant1	Back	5mm	8.8	-71	-207	
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	144.1	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	148.0
FR1 n30	Ant1	Back	5mm	7.9	-71	-207		FR1 n7	Ant1	Back	5mm	8.8	-71	-207	
LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	144.3	LTE Band 25	Ant4	Back	5mm	-9.1	75.3	-207	147.4
FR1 n30	Ant1	Back	5mm	7.9	-71	-207		FR1 n7	Ant1	Back	5mm	8.8	-71	-207	
LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	147.9	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	145.7
FR1 n30	Ant1	Back	5mm	7.9	-71	-207		FR1 n41	Ant1	Back	5mm	11.2	-72	-207	
LTE Band 25	Ant4	Back	5mm	-9.1	75.3	-207	147.3	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	149.6
FR1 n30	Ant1	Back	5mm	7.9	-71	-207		FR1 n41	Ant1	Back	5mm	11.2	-72	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	152.1	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	145.5
FR1 n77	Ant5	Back	5mm	-41	70.6	-207		FR1 n41	Ant1	Back	5mm	11.2	-72	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	155.9	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	145.7
FR1 n77	Ant5	Back	5mm	-41	70.6	-207		FR1 n41	Ant1	Back	5mm	11.2	-72	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	149.6	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	149.3
FR1 n77	Ant5	Back	5mm	-41	70.6	-207		FR1 n41	Ant1	Back	5mm	11.2	-72	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	164.8	LTE Band 25	Ant4	Back	5mm	-9.1	75.3	-207	148.7
FR1 n77	Ant5	Back	5mm	-41	70.6	-207		FR1 n41	Ant1	Back	5mm	11.2	-72	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	151.2	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	141.6
FR1 n77	Ant5	Back	5mm	-41	70.6	-207		FR1 n71	Ant4	Back	5mm	-9.6	72.4	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	152.8	LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	142.5
FR1 n77	Ant5	Back	5mm	-41	70.6	-207		FR1 n71	Ant4	Back	5mm	-9.6	72.4	-207	



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LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	158.4	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	146.7
FR1 n77	Ant5		5mm	-41	70.6	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	153.6	LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	147.7
FR1 n48	Ant5		5mm	-41	72.1	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	157.4	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	142.1
FR1 n48	Ant5		5mm	-41	72.1	-207		FR1 n66	Ant4		5mm	-11.5	72.7	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	151.1	LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	143.1
FR1 n48	Ant5		5mm	-41	72.1	-207		FR1 n66	Ant4		5mm	-11.5	72.7	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	166.3	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	139.7
FR1 n48	Ant5		5mm	-41	72.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	152.7	LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	140.6
FR1 n48	Ant5		5mm	-41	72.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	154.3	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	159.0
FR1 n48	Ant5		5mm	-41	72.1	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	159.9	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	160.6
FR1 n48	Ant5		5mm	-41	72.1	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	159.1	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	156.7
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	160.6	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	169.5
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	156.8	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	158.2
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	169.5	LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	161.0
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	158.4	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	165.1
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	161.1	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	157.0
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	165.2	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	158.5
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	161.2	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	154.8
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	162.6	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	167.5
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	159.0	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	156.3
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	171.6	LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	159.1
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	160.5	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	163.1
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	163.3	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	155.0
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n41	Ant4		5mm	-11.2	68.6	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	167.3	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	156.6
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n41	Ant4		5mm	-11.2	68.6	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	164.2	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	152.7
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n41	Ant4		5mm	-11.2	68.6	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	165.7	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	165.5
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n41	Ant4		5mm	-11.2	68.6	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	161.9	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	154.3
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n41	Ant4		5mm	-11.2	68.6	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	174.7	LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	157.0
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n41	Ant4		5mm	-11.2	68.6	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	163.4	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	161.1
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n41	Ant4		5mm	-11.2	68.6	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	166.2	LTE Band 48	Ant5	Back	5mm	-34	75.5	-207	159.4
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	



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LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	170.3	LTE Band 48	Ant5	Back	5mm	-34	75.5	-207	158.7
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n66	Ant0		5mm	-45	-82.8	-207	
LTE Band 48	Ant5	Back	5mm	-34	75.5	-207	161.9	LTE Band 48	Ant5	Back	5mm	-34	75.5	-207	163.3
FR1 n71	Ant0		5mm	-53	-85.3	-207		FR1 n2	Ant0		5mm	-48	-87.2	-207	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Back 5mm	133.5



For Body-worn:

Front

Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)
			(mm)	X	Y	Z					(mm)	X	Y	Z	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	145.3	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	143.6
LTE Band 66	Ant4		5mm	-58.6	62	-207		LTE Band 5	Ant4		5mm	-62.4	58	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	140.4	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	138.7
LTE Band 66	Ant4		5mm	-58.6	62	-207		LTE Band 5	Ant4		5mm	-62.4	58	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	154.4	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	152.5
LTE Band 66	Ant4		5mm	-58.6	62	-207		LTE Band 5	Ant4		5mm	-62.4	58	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	145.0	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	143.4
LTE Band 66	Ant4		5mm	-58.6	62	-207		LTE Band 5	Ant4		5mm	-62.4	58	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	162.5	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	160.7
LTE Band 66	Ant4		5mm	-58.6	62	-207		LTE Band 5	Ant4		5mm	-62.4	58	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	143.7	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	142.1
LTE Band 66	Ant4		5mm	-58.6	62	-207		LTE Band 5	Ant4		5mm	-62.4	58	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	143.1	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	143.1
LTE Band 12	Ant4		5mm	-51.5	63	-207		BT	Ant6		5mm	-5.8	75.4	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	138.2	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	138.8
LTE Band 12	Ant4		5mm	-51.5	63	-207		BT	Ant6		5mm	-5.8	75.4	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	152.5	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	153.9
LTE Band 12	Ant4		5mm	-51.5	63	-207		BT	Ant6		5mm	-5.8	75.4	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	142.6	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	141.4
LTE Band 12	Ant4		5mm	-51.5	63	-207		BT	Ant6		5mm	-5.8	75.4	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	160.4	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	160.5
LTE Band 12	Ant4		5mm	-51.5	63	-207		BT	Ant6		5mm	-5.8	75.4	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	141.3	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	140.3
LTE Band 12	Ant4		5mm	-51.5	63	-207		BT	Ant6		5mm	-5.8	75.4	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	137.5	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	144.0
LTE Band 13	Ant4		5mm	-57.2	54	-207		WIFI 2.4G	Ant6		5mm	-5.8	76.3	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	132.6	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	139.7
LTE Band 13	Ant4		5mm	-57.2	54	-207		WIFI 2.4G	Ant6		5mm	-5.8	76.3	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	146.6	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	154.8
LTE Band 13	Ant4		5mm	-57.2	54	-207		WIFI 2.4G	Ant6		5mm	-5.8	76.3	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	137.4	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	142.3
LTE Band 13	Ant4		5mm	-57.2	54	-207		WIFI 2.4G	Ant6		5mm	-5.8	76.3	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	154.7	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	161.4
LTE Band 13	Ant4		5mm	-57.2	54	-207		WIFI 2.4G	Ant6		5mm	-5.8	76.3	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	136.0	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	141.2
LTE Band 13	Ant4		5mm	-57.2	54	-207		WIFI 2.4G	Ant6		5mm	-5.8	76.3	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	141.3	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	147.4
LTE Band 14	Ant4		5mm	-59.6	57	-207		WIFI 5G	Ant6		5mm	-6.3	79.7	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	136.4	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	143.2
LTE Band 14	Ant4		5mm	-59.6	57	-207		WIFI 5G	Ant6		5mm	-6.3	79.7	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	150.3	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	158.2
LTE Band 14	Ant4		5mm	-59.6	57	-207		WIFI 5G	Ant6		5mm	-6.3	79.7	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	141.2	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	145.8
LTE Band 14	Ant4		5mm	-59.6	57	-207		WIFI 5G	Ant6		5mm	-6.3	79.7	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	158.5	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	164.8
LTE Band 14	Ant4		5mm	-59.6	57	-207		WIFI 5G	Ant6		5mm	-6.3	79.7	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	139.8	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	144.7
LTE Band 14	Ant4		5mm	-59.6	57	-207		WIFI 5G	Ant6		5mm	-6.3	79.7	-207	
LTE Band 12	Ant0	Front	5mm	-51.5	63	-207	154.2	LTE Band 71	Ant4	Front	5mm	-61.5	58	-207	154.8
FR1 n30	Ant1		5mm	-53	-91.2	-207		FR1 n25	Ant0		5mm	12.4	-78	-207	
LTE Band 14	Ant0	Front	5mm	-59.6	57	-207	148.3	LTE Band 12	Ant4	Front	5mm	-51.5	63	-207	154.8
FR1 n30	Ant1		5mm	-53	-91.2	-207		FR1 n25	Ant0		5mm	12.4	-78	-207	



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LTE Band 71	Ant0	Front	5mm	-61.5	58	-207	149.4	LTE Band 13	Ant4	Front	5mm	-57.2	54	-207	149.2
FR1 n30	Ant1	Front	5mm	-53	-91.2	-207		FR1 n25	Ant0	Front	5mm	12.4	-78	-207	
LTE Band 26	Ant0	Front	5mm	-55.1	61	-207	152.2	LTE Band 14	Ant4	Front	5mm	-59.6	57	-207	153.0
FR1 n30	Ant1	Front	5mm	-53	-91.2	-207		FR1 n25	Ant0	Front	5mm	12.4	-78	-207	
LTE Band 66	Ant0	Front	5mm	-58.6	62	-207	153.3	LTE Band 26	Ant4	Front	5mm	-55.1	61	-207	154.5
FR1 n30	Ant1	Front	5mm	-53	-91.2	-207		FR1 n25	Ant0	Front	5mm	12.4	-78	-207	
LTE Band 25	Ant0	Front	5mm	-56.7	60	-207	151.2	LTE Band 66	Ant4	Front	5mm	-58.6	62	-207	157.0
FR1 n30	Ant1	Front	5mm	-53	-91.2	-207		FR1 n25	Ant0	Front	5mm	12.4	-78	-207	
LTE Band 12	Ant0	Front	5mm	-51.5	63	-207	147.8	LTE Band 2	Ant4	Front	5mm	-61.5	58	-207	154.8
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207		FR1 n25	Ant0	Front	5mm	12.4	-78	-207	
LTE Band 14	Ant0	Front	5mm	-59.6	57	-207	142.3	LTE Band 5	Ant4	Front	5mm	-62.4	58	-207	155.2
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207		FR1 n25	Ant0	Front	5mm	12.4	-78	-207	
LTE Band 71	Ant0	Front	5mm	-61.5	58	-207	143.4	LTE Band 71	Ant4	Front	5mm	-61.5	58	-207	143.2
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 26	Ant0	Front	5mm	-55.1	61	-207	146.0	LTE Band 12	Ant4	Front	5mm	-51.5	63	-207	142.8
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 66	Ant0	Front	5mm	-58.6	62	-207	147.2	LTE Band 13	Ant4	Front	5mm	-57.2	54	-207	137.6
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 25	Ant0	Front	5mm	-56.7	60	-207	145.1	LTE Band 14	Ant4	Front	5mm	-59.6	57	-207	141.4
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 12	Ant0	Front	5mm	-51.5	63	-207	148.4	LTE Band 26	Ant4	Front	5mm	-55.1	61	-207	142.7
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 14	Ant0	Front	5mm	-59.6	57	-207	142.9	LTE Band 66	Ant4	Front	5mm	-58.6	62	-207	145.2
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 71	Ant0	Front	5mm	-61.5	58	-207	144.0	LTE Band 2	Ant4	Front	5mm	-61.5	58	-207	143.2
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 26	Ant0	Front	5mm	-55.1	61	-207	146.5	LTE Band 5	Ant4	Front	5mm	-62.4	58	-207	143.6
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 66	Ant0	Front	5mm	-58.6	62	-207	147.8	LTE Band 71	Ant4	Front	5mm	-61.5	58	-207	143.2
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207		FR1 n66	Ant0	Front	5mm	11.8	-65	-207	
LTE Band 25	Ant0	Front	5mm	-56.7	60	-207	145.6	LTE Band 12	Ant4	Front	5mm	-51.5	63	-207	148.7
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n30	Ant1	Front	5mm	-53	-91.2	-207	173.2	LTE Band 13	Ant4	Front	5mm	-57.2	54	-207	143.2
BT	Ant6	Front	5mm	-5.8	75.4	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207	165.7	LTE Band 14	Ant4	Front	5mm	-59.6	57	-207	147.0
BT	Ant6	Front	5mm	-5.8	75.4	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207	165.9	LTE Band 26	Ant4	Front	5mm	-55.1	61	-207	148.4
BT	Ant6	Front	5mm	-5.8	75.4	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n30	Ant1	Front	5mm	-53	-91.2	-207	174.0	LTE Band 66	Ant4	Front	5mm	-58.6	62	-207	150.9
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207	166.5	LTE Band 2	Ant4	Front	5mm	-61.5	58	-207	148.8
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207	166.8	LTE Band 5	Ant4	Front	5mm	-62.4	58	-207	149.2
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n30	Ant1	Front	5mm	-53	-91.2	-207	177.2	LTE Band 71	Ant4	Front	5mm	-61.5	58	-207	148.8
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		FR1 n5	Ant0	Front	5mm	10.8	-72	-207	
FR1 n41	Ant1	Front	5mm	-48	-84.8	-207	169.7	LTE Band 12	Ant4	Front	5mm	-51.5	63	-207	139.8
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		FR1 n71	Ant0	Front	5mm	9.1	-63	-207	
FR1 n7	Ant1	Front	5mm	-47	-85.3	-207	169.9	LTE Band 13	Ant4	Front	5mm	-57.2	54	-207	134.5
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		FR1 n71	Ant0	Front	5mm	9.1	-63	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	154.8	LTE Band 14	Ant4	Front	5mm	-59.6	57	-207	138.3
FR1 n77	Ant5	Front	5mm	-31	82.8	-207		FR1 n71	Ant0	Front	5mm	9.1	-63	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	150.3	LTE Band 26	Ant4	Front	5mm	-55.1	61	-207	139.6
FR1 n77	Ant5	Front	5mm	-31	82.8	-207		FR1 n71	Ant0	Front	5mm	9.1	-63	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	264.8	LTE Band 66	Ant4	Front	5mm	-58.6	62	-207	142.2
FR1 n77	Ant5	Front	5mm	-31	82.8			FR1 n71	Ant0	Front	5mm	9.1	-63	-207	



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LTE Band 25	Ant0	Front	5mm	9.6	-71	-207	159.1	LTE Band 2	Ant4	Front	5mm	-61.5	58	-207	140.1
FR1 n77	Ant5	Front	5mm	-31	82.8	-207		FR1 n71	Ant0	Front	5mm	9.1	-63	-207	
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	157.7	LTE Band 5	Ant4	Front	5mm	-62.4	58	-207	140.5
FR1 n77	Ant5	Front	5mm	-31	82.8	-207		FR1 n71	Ant0	Front	5mm	9.1	-63	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-68	-207	157.2	FR1 n25	Ant0	Front	5mm	12.4	-78	-207	154.5
FR1 n77	Ant5	Front	5mm	-31	82.8	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	143.0	FR1 n66	Ant0	Front	5mm	11.8	-65	-207	141.5
FR1 n77	Ant5	Front	5mm	-31	82.8	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	151.6	FR1 n5	Ant0	Front	5mm	10.8	-72	-207	148.3
FR1 n48	Ant5	Front	5mm	-38	77.4	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	146.9	FR1 n71	Ant0	Front	5mm	9.1	-63	-207	139.2
FR1 n48	Ant5	Front	5mm	-38	77.4	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	161.6	FR1 n25	Ant0	Front	5mm	12.4	-78	-207	155.4
FR1 n48	Ant5	Front	5mm	-38	77.4	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 25	Ant0	Front	5mm	9.6	-71	-207	155.8	FR1 n66	Ant0	Front	5mm	11.8	-65	-207	142.4
FR1 n48	Ant5	Front	5mm	-38	77.4	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	154.7	FR1 n5	Ant0	Front	5mm	10.8	-72	-207	149.2
FR1 n48	Ant5	Front	5mm	-38	77.4	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-68	-207	154.2	FR1 n71	Ant0	Front	5mm	9.1	-63	-207	140.1
FR1 n48	Ant5	Front	5mm	-38	77.4	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	139.9	FR1 n25	Ant0	Front	5mm	12.4	-78	-207	158.8
FR1 n48	Ant5	Front	5mm	-38	77.4	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	143.1	FR1 n66	Ant0	Front	5mm	11.8	-65	-207	145.8
BT	Ant6	Front	5mm	-5.8	75.4	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	138.8	FR1 n5	Ant0	Front	5mm	10.8	-72	-207	152.7
BT	Ant6	Front	5mm	-5.8	75.4	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	153.9	FR1 n71	Ant0	Front	5mm	9.1	-63	-207	143.5
BT	Ant6	Front	5mm	-5.8	75.4	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 25	Ant0	Front	5mm	9.6	-71	-207	147.2	LTE Band 30	Ant1	Front	5mm	-45	-89.7	-207	149.0
BT	Ant6	Front	5mm	-5.8	75.4	-207		FR1 n5	Ant4	Front	5mm	-54.9	59	-207	
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	145.5	LTE Band 7	Ant1	Front	5mm	-47	-85.5	-207	144.7
BT	Ant6	Front	5mm	-5.8	75.4	-207		FR1 n5	Ant4	Front	5mm	-54.9	59	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-68	-207	144.7	LTE Band 30	Ant1	Front	5mm	-45	-89.7	-207	147.1
BT	Ant6	Front	5mm	-5.8	75.4	-207		FR1 n66	Ant4	Front	5mm	-55.2	57	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	131.1	LTE Band 7	Ant1	Front	5mm	-47	-85.5	-207	142.7
BT	Ant6	Front	5mm	-5.8	75.4	-207		FR1 n66	Ant4	Front	5mm	-55.2	57	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	144.0	LTE Band 30	Ant1	Front	5mm	-45	-89.7	-207	150.2
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		FR1 n25	Ant4	Front	5mm	-56.7	60	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	139.7	LTE Band 7	Ant1	Front	5mm	-47	-85.5	-207	145.8
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		FR1 n25	Ant4	Front	5mm	-56.7	60	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	154.8	LTE Band 30	Ant1	Front	5mm	-45	-89.7	-207	169.7
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 25	Ant0	Front	5mm	9.6	-71	-207	148.1	LTE Band 7	Ant1	Front	5mm	-47	-85.5	-207	166.1
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	146.4	LTE Band 30	Ant1	Front	5mm	-45	-89.7	-207	170.6
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-68	-207	145.6	LTE Band 7	Ant1	Front	5mm	-47	-85.5	-207	167.0
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	132.0	LTE Band 30	Ant1	Front	5mm	-45	-89.7	-207	173.8
WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	147.4	LTE Band 7	Ant1	Front	5mm	-47	-85.5	-207	170.1
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	143.2	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	141.4
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	158.2	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	160.5
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	



LTE Band 25	Ant0	Front	5mm	9.6	-71	-207	151.5	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	140.3
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	149.8	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	143.1
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-68	-207	149.0	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	138.8
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	135.4	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	153.9
WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	137.7	LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	145.5
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	154.9	LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	145.7
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	136.4	LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	131.1
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		BT	Ant6	Front	5mm	-5.8	75.4	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	137.8	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	142.3
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	132.9	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	161.4
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	146.6	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	141.2
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	141.4	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	144.0
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	142.2	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	139.7
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	127.1	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	154.8
FR1 n12	Ant4	Front	5mm	-61.3	52	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	140.6	LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	146.4
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	158.2	LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	146.6
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	139.3	LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	132.0
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 2.4G	Ant6	Front	5mm	-5.8	76.3	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	140.9	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	145.8
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	136.0	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	164.8
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	150.1	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	144.7
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	144.4	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	147.4
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	145.1	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	143.2
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	129.9	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	158.2
FR1 n5	Ant4	Front	5mm	-54.9	59	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	139.0	LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	149.8
FR1 n66	Ant4	Front	5mm	-55.2	57	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	156.5	LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	150.0
FR1 n66	Ant4	Front	5mm	-55.2	57	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	137.7	LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	135.4
FR1 n66	Ant4	Front	5mm	-55.2	57	-207		WIFI 5G	Ant6	Front	5mm	-6.3	79.7	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	139.3	LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	146.5
FR1 n66	Ant4	Front	5mm	-55.2	57	-207		FR1 n71	Ant4	Front	5mm	-54.1	66	-207	
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	134.4	LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	164.2
FR1 n66	Ant4	Front	5mm	-55.2	57	-207		FR1 n71	Ant4	Front	5mm	-54.1	66	-207	
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	148.4	LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	145.2
FR1 n66	Ant4	Front	5mm	-55.2	57	-207		FR1 n71	Ant4	Front	5mm	-54.1	66	-207	



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LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	142.8	LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	146.9
FR1 n66	Ant4		5mm	-55.2	57	-207		FR1 n71	Ant4		5mm	-54.1	66	-207	
LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	143.5	LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	142.0
FR1 n66	Ant4		5mm	-55.2	57	-207		FR1 n71	Ant4		5mm	-54.1	66	-207	
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	128.3	LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	156.2
FR1 n66	Ant4		5mm	-55.2	57	-207		FR1 n71	Ant4		5mm	-54.1	66	-207	
LTE Band 2	Ant0	Front	5mm	11.4	-65	-207	142.3	LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	150.3
FR1 n25	Ant4		5mm	-56.7	60	-207		FR1 n71	Ant4		5mm	-54.1	66	-207	
LTE Band 4	Ant0	Front	5mm	12.8	-84	-207	159.9	LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	150.9
FR1 n25	Ant4		5mm	-56.7	60	-207		FR1 n71	Ant4		5mm	-54.1	66	-207	
LTE Band 5	Ant0	Front	5mm	10.5	-64	-207	141.0	LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	135.7
FR1 n25	Ant4		5mm	-56.7	60	-207		FR1 n71	Ant4		5mm	-54.1	66	-207	
LTE Band 12	Ant0	Front	5mm	8.2	-67	-207	142.6								
FR1 n25	Ant4		5mm	-56.7	60	-207									
LTE Band 13	Ant0	Front	5mm	5.3	-63	-207	137.7								
FR1 n25	Ant4		5mm	-56.7	60	-207									
LTE Band 14	Ant0	Front	5mm	6.5	-78	-207	151.8								
FR1 n25	Ant4		5mm	-56.7	60	-207									
LTE Band 26	Ant0	Front	5mm	11.9	-69	-207	146.1								
FR1 n25	Ant4		5mm	-56.7	60	-207									
LTE Band 66	Ant0	Front	5mm	13.4	-69	-207	146.8								
FR1 n25	Ant4		5mm	-56.7	60	-207									
LTE Band 71	Ant0	Front	5mm	7.3	-55	-207	131.6								
FR1 n25	Ant4		5mm	-56.7	60	-207									

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Front 5mm	127.1

Sensor off

Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)
				X	Y	Z						X	Y	Z	
GSM850	Ant0	Front	12mm	13.1	-66	-207	138.8	LTE Band 26	Ant0	Front	12mm	11.2	-61	-207	142.5
BT	Ant6	Front	12mm	-6.2	71.5	-207		FR1 n77	Ant5	Front	12mm	-31	75.1	-207	
WCDMA V	Ant0	Front	12mm	7.6	-74	-207	146.2	LTE Band 66	Ant0	Front	12mm	12.7	-75	-207	156.3
BT	Ant6	Front	12mm	-6.2	71.5	-207		FR1 n77	Ant5	Front	12mm	-31	75.1	-207	
LTE Band 26	Ant0	Front	12mm	11.2	-61	-207	133.6	LTE Band 26	Ant0	Front	12mm	11.2	-61	-207	141.2
BT	Ant6	Front	12mm	-6.2	71.5	-207		FR1 n48	Ant5	Front	12mm	-38	71.3	-207	
FR1 n26	Ant0	Front	12mm	10.9	-72	-207	144.5	LTE Band 66	Ant0	Front	12mm	12.7	-75	-207	154.8
BT	Ant6	Front	12mm	-6.2	71.5	-207		FR1 n48	Ant5	Front	12mm	-38	71.3	-207	
FR1 n5	Ant0	Front	12mm	10.3	-66	-207	138.5	LTE Band 26	Ant0	Front	12mm	11.2	-61	-207	134.0
BT	Ant6	Front	12mm	-6.2	71.5	-207		FR1 n66	Ant4	Front	12mm	-54.1	56	-207	
WCDMA IV	Ant0	Front	12mm	10.5	-69	-207	141.5	LTE Band 66	Ant0	Front	12mm	12.7	-75	-207	147.0
BT	Ant6	Front	12mm	-6.2	71.5	-207		FR1 n66	Ant4	Front	12mm	-54.1	56	-207	
LTE Band 66	Ant0	Front	12mm	12.7	-75	-207	147.7	GSM850	Ant0	Front	12mm	13.1	-66	-207	136.2
BT	Ant6	Front	12mm	-6.2	71.5	-207		WIFI 5G	Ant6	Front	12mm	-7.5	68.6	-207	
FR1 n70	Ant0	Front	12mm	11.3	-62	-207	134.6	WCDMA V	Ant0	Front	12mm	7.6	-74	-207	143.4
BT	Ant6	Front	12mm	-6.2	71.5	-207		WIFI 5G	Ant6	Front	12mm	-7.5	68.6	-207	
FR1 n66	Ant0	Front	12mm	12.2	-83	-207	155.6	LTE Band 26	Ant0	Front	12mm	11.2	-61	-207	130.9
BT	Ant6	Front	12mm	-6.2	71.5	-207		WIFI 5G	Ant6	Front	12mm	-7.5	68.6	-207	
GSM1900	Ant0	Front	12mm	10.7	-66	-207	138.5	FR1 n26	Ant0	Front	12mm	10.9	-72	-207	141.8
BT	Ant6	Front	12mm	-6.2	71.5	-207		WIFI 5G	Ant6	Front	12mm	-7.5	68.6	-207	
WCDMA II	Ant0	Front	12mm	11.4	-61	-207	133.7	FR1 n5	Ant0	Front	12mm	10.3	-66	-207	135.8



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BT	Ant6		12mm	-6.2	71.5	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
LTE Band 25	Ant0	Front	12mm	10.2	-64	-207	136.5	WCDMA IV	Ant0	Front	12mm	10.5	-69	-207	138.8
BT	Ant6		12mm	-6.2	71.5	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
FR1 n25	Ant0	Front	12mm	13.8	-71	-207	143.9	LTE Band 66	Ant0	Front	12mm	12.7	-75	-207	145.0
BT	Ant6		12mm	-6.2	71.5	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
GSM850	Ant0	Front	12mm	13.1	-66	-207	139.6	FR1 n70	Ant0	Front	12mm	11.3	-62	-207	131.9
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
WCDMA V	Ant0	Front	12mm	7.6	-74	-207	146.9	FR1 n66	Ant0	Front	12mm	12.2	-83	-207	152.9
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
LTE Band 26	Ant0	Front	12mm	11.2	-61	-207	134.4	GSM1900	Ant0	Front	12mm	10.7	-66	-207	135.8
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
FR1 n26	Ant0	Front	12mm	10.9	-72	-207	145.3	WCDMA II	Ant0	Front	12mm	11.4	-61	-207	131.0
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
FR1 n5	Ant0	Front	12mm	10.3	-66	-207	139.3	LTE Band 25	Ant0	Front	12mm	10.2	-64	-207	133.8
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
WCDMA IV	Ant0	Front	12mm	10.5	-69	-207	142.3	FR1 n25	Ant0	Front	12mm	13.8	-71	-207	141.2
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
LTE Band 66	Ant0	Front	12mm	12.7	-75	-207	148.5	LTE Band 2	Ant0	Front	12mm	10.2	-64	-207	131.4
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		LTE Band 13	Ant4		12mm	-49.6	53	-207	
FR1 n70	Ant0	Front	12mm	11.3	-62	-207	135.4	LTE Band 2	Ant0	Front	12mm	10.2	-64	-207	139.4
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		LTE Band 14	Ant4		12mm	-55.3	59	-207	
FR1 n66	Ant0	Front	12mm	12.2	-83	-207	156.4	LTE Band 2	Ant0	Front	12mm	10.2	-64	-207	135.0
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		LTE Band 66	Ant4		12mm	-55.3	54	-207	
GSM1900	Ant0	Front	12mm	10.7	-66	-207	139.3	LTE Band 2	Ant0	Front	12mm	10.2	-64	-207	143.3
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		LTE Band 48	Ant4		12mm	-39	70.6	-207	
WCDMA II	Ant0	Front	12mm	11.4	-61	-207	134.4	FR1 n66	Ant0	Front	12mm	12.2	-83	-207	155.6
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		BT	Ant6		12mm	-6.2	71.5	-207	
LTE Band 25	Ant0	Front	12mm	10.2	-64	-207	137.3	FR1 n25	Ant0	Front	12mm	13.8	-71	-207	143.9
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		BT	Ant6		12mm	-6.2	71.5	-207	
FR1 n25	Ant0	Front	12mm	13.8	-71	-207	144.7	FR1 n66	Ant0	Front	12mm	12.2	-83	-207	156.4
WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207		WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207	
LTE Band 13	Ant4	Front	12mm	-49.6	53	-207	149.4	FR1 n25	Ant0	Front	12mm	13.8	-71	-207	144.7
FR1 n66	Ant0		12mm	12.2	-83	-207		WIFI 2.4G	Ant6		12mm	-6.1	72.3	-207	
LTE Band 14	Ant4	Front	12mm	-55.3	59	-207	157.2	FR1 n66	Ant0	Front	12mm	12.2	-83	-207	152.9
FR1 n66	Ant0		12mm	12.2	-83	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
LTE Band 26	Ant4	Front	12mm	-59.8	51	-207	152.1	FR1 n25	Ant0	Front	12mm	13.8	-71	-207	141.2
FR1 n66	Ant0		12mm	12.2	-83	-207		WIFI 5G	Ant6		12mm	-7.5	68.6	-207	
LTE Band 66	Ant4	Front	12mm	-55.3	54	-207	152.7								
FR1 n66	Ant0		12mm	12.2	-83	-207									
LTE Band 13	Ant4	Front	12mm	-49.6	53	-207	139.3								
FR1 n25	Ant0		12mm	13.8	-71	-207									
LTE Band 14	Ant4	Front	12mm	-55.3	59	-207	147.2								
FR1 n25	Ant0		12mm	13.8	-71	-207									
LTE Band 26	Ant4	Front	12mm	-59.8	51	-207	142.5								
FR1 n25	Ant0		12mm	13.8	-71	-207									
LTE Band 66	Ant4	Front	12mm	-55.3	54	-207	142.8								
FR1 n25	Ant0		12mm	13.8	-71	-207									

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Front 12mm	130.9



Back

Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)
				X	Y	Z						X	Y	Z	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	139.7	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	142.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	145.1	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	147.6
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	137.0	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	139.8
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	153.7	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	156.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207	143.6	FR1 n71	Ant0	Back	5mm	-53	-85.3	-207	146.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n12	Ant0	Back	5mm	-49	-82.7	-207	141.3	FR1 n12	Ant0	Back	5mm	-49	-82.7	-207	144.1
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n14	Ant0	Back	5mm	-52	-79.6	-207	138.0	FR1 n14	Ant0	Back	5mm	-52	-79.6	-207	140.8
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
GSM850	Ant0	Back	5mm	-54	-75.2	-207	133.5	GSM850	Ant0	Back	5mm	-54	-75.2	-207	136.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA V	Ant0	Back	5mm	-45	-89.7	-207	148.7	WCDMA V	Ant0	Back	5mm	-45	-89.7	-207	151.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	138.6	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	141.4
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n26	Ant0	Back	5mm	-63	-81.2	-207	139.2	FR1 n26	Ant0	Back	5mm	-63	-81.2	-207	142.2
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207	139.2	FR1 n5	Ant0	Back	5mm	-63	-81.2	-207	142.2
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA IV	Ant0	Back	5mm	-53	-88.2	-207	146.5	WCDMA IV	Ant0	Back	5mm	-53	-88.2	-207	149.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	139.4	LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	142.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n70	Ant0	Back	5mm	-41	-94.2	-207	153.7	FR1 n70	Ant0	Back	5mm	-41	-94.2	-207	156.3
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	141.9	FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	144.5
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
GSM1900	Ant0	Back	5mm	-45	-81.4	-207	140.5	GSM1900	Ant0	Back	5mm	-45	-81.4	-207	143.1
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA II	Ant0	Back	5mm	-54	-79.8	-207	138.1	WCDMA II	Ant0	Back	5mm	-54	-79.8	-207	140.9
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	146.0	LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	148.7
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	145.9	FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	148.6
BT	Ant6		5mm	-62.5	58	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	144.2	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	144.7
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	148.8	FR1 n30	Ant1	Back	5mm	7.9	-71	-207	147.0
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	141.6	LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	145.5
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	157.6	LTE Band 41	Ant1	Back	5mm	5.9	-78	-207	152.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
FR1 n71	Ant0	Back	5mm	-53	-85.3	-207	148.3	FR1 n7	Ant1	Back	5mm	8.8	-71	-207	147.4
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
FR1 n12	Ant0	Back	5mm	-49	-82.7	-207	145.7	FR1 n41	Ant1	Back	5mm	11.2	-72	-207	149.4
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
FR1 n14	Ant0	Back	5mm	-52	-79.6	-207	142.6	FR1 n77	Ant1	Back	5mm	8.5	-74	-207	149.9



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WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
GSM850	Ant0	Back	5mm	-54	-75.2	-207	138.2	FR1 n78	Ant1	Back	5mm	12.2	-71	-207	149.1
WIFI 5G	Ant6		5mm	-52.1	63	-207		BT	Ant6		5mm	-62.5	58	-207	
WCDMA V	Ant0	Back	5mm	-45	-89.7	-207	152.9	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	145.9
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	143.2	FR1 n30	Ant1	Back	5mm	7.9	-71	-207	148.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n26	Ant0	Back	5mm	-63	-81.2	-207	144.6	LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	146.6
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n5	Ant0	Back	5mm	-63	-81.2	-207	144.6	LTE Band 41	Ant1	Back	5mm	5.9	-78	-207	153.6
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
WCDMA IV	Ant0	Back	5mm	-53	-88.2	-207	151.2	FR1 n7	Ant1	Back	5mm	8.8	-71	-207	148.6
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	144.4	FR1 n41	Ant1	Back	5mm	11.2	-72	-207	150.6
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n70	Ant0	Back	5mm	-41	-94.2	-207	157.6	FR1 n77	Ant1	Back	5mm	8.5	-74	-207	151.1
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
FR1 n66	Ant0	Back	5mm	-45	-82.8	-207	146.0	FR1 n78	Ant1	Back	5mm	12.2	-71	-207	150.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 2.4G	Ant6		5mm	-59.4	61	-207	
GSM1900	Ant0	Back	5mm	-45	-81.4	-207	144.6	LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	144.4
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
WCDMA II	Ant0	Back	5mm	-54	-79.8	-207	142.8	FR1 n30	Ant1	Back	5mm	7.9	-71	-207	146.8
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	150.5	LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	145.2
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
FR1 n25	Ant0	Back	5mm	-48	-87.2	-207	150.3	LTE Band 41	Ant1	Back	5mm	5.9	-78	-207	152.5
WIFI 5G	Ant6		5mm	-52.1	63	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	165.2	FR1 n7	Ant1	Back	5mm	8.8	-71	-207	147.2
LTE Band 66	Ant4		5mm	-5.8	76.3	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	161.6	FR1 n41	Ant1	Back	5mm	11.2	-72	-207	149.1
LTE Band 66	Ant4		5mm	-5.8	76.3	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	174.1	FR1 n77	Ant1	Back	5mm	8.5	-74	-207	149.8
LTE Band 66	Ant4		5mm	-5.8	76.3	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	169.9	FR1 n78	Ant1	Back	5mm	12.2	-71	-207	148.6
LTE Band 66	Ant4		5mm	-5.8	76.3	-207		WIFI 5G	Ant6		5mm	-52.1	63	-207	
LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	166.0	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	159.7
LTE Band 66	Ant4		5mm	-5.8	76.3	-207		LTE Band 14	Ant4		5mm	-11.2	71.8	-207	
LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	163.2	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	155.8
LTE Band 66	Ant4		5mm	-5.8	76.3	-207		LTE Band 14	Ant4		5mm	-11.2	71.8	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	164.8	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	168.7
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 14	Ant4		5mm	-11.2	71.8	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	161.1	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	164.2
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 14	Ant4		5mm	-11.2	71.8	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	173.7	LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	160.1
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 14	Ant4		5mm	-11.2	71.8	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	169.4	LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	157.4
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 14	Ant4		5mm	-11.2	71.8	-207	
LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	165.4	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	160.2
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	162.6	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	156.4
LTE Band 12	Ant4		5mm	-8.1	76.4	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	167.2	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	169.1
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	163.6	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	164.7
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	176.1	LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	160.6



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LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	171.9	LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	157.9
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		LTE Band 5	Ant4		5mm	-10.3	72.1	-207	
LTE Band 4	Ant0	Back	5mm	-58	-81.3	-207	168.0	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	162.1
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	
LTE Band 5	Ant0	Back	5mm	-52	-80.2	-207	165.1	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	166.9
LTE Band 13	Ant4		5mm	-5.7	78.3	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	163.9	LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	169.5
LTE Band 48	Ant5		5mm	-34	75.5	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	
LTE Band 48	Ant5	Back	5mm	-34	75.5	-207	158.6	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	161.5
LTE Band 66	Ant0		5mm	-58	-81.3	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	
LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	163.7	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	162.1
FR1 n25	Ant0		5mm	-48	-87.2	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	
LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	168.4	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	167.6
FR1 n25	Ant0		5mm	-48	-87.2	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	
LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	170.8	LTE Band 2	Ant4	Back	5mm	-9.1	75.3	-207	165.5
FR1 n25	Ant0		5mm	-48	-87.2	-207		FR1 n5	Ant0		5mm	-63	-81.2	-207	
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	163.2	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	163.1
FR1 n25	Ant0		5mm	-48	-87.2	-207		FR1 n71	Ant0		5mm	-53	-85.3	-207	
LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	163.7	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	167.8
FR1 n25	Ant0		5mm	-48	-87.2	-207		FR1 n71	Ant0		5mm	-53	-85.3	-207	
LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	168.9	LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	170.3
FR1 n25	Ant0		5mm	-48	-87.2	-207		FR1 n71	Ant0		5mm	-53	-85.3	-207	
LTE Band 2	Ant4	Back	5mm	-9.1	75.3	-207	167.1	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	162.6
FR1 n25	Ant0		5mm	-48	-87.2	-207		FR1 n71	Ant0		5mm	-53	-85.3	-207	
LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	158.7	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	163.1
FR1 n66	Ant0		5mm	-45	-82.8	-207		FR1 n71	Ant0		5mm	-53	-85.3	-207	
LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	163.4	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	168.4
FR1 n66	Ant0		5mm	-45	-82.8	-207		FR1 n71	Ant0		5mm	-53	-85.3	-207	
LTE Band 13	Ant4	Back	5mm	-5.7	78.3	-207	165.8	LTE Band 2	Ant4	Back	5mm	-9.1	75.3	-207	166.5
FR1 n66	Ant0		5mm	-45	-82.8	-207		FR1 n71	Ant0		5mm	-53	-85.3	-207	
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	158.3	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	144.4
FR1 n66	Ant0		5mm	-45	-82.8	-207		FR1 n7	Ant1		5mm	8.8	-71	-207	
LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	158.7	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	148.4
FR1 n66	Ant0		5mm	-45	-82.8	-207		FR1 n7	Ant1		5mm	8.8	-71	-207	
LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	163.9	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	144.2
FR1 n66	Ant0		5mm	-45	-82.8	-207		FR1 n7	Ant1		5mm	8.8	-71	-207	
LTE Band 2	Ant4	Back	5mm	-9.1	75.3	-207	162.1	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	144.4
FR1 n66	Ant0		5mm	-45	-82.8	-207		FR1 n7	Ant1		5mm	8.8	-71	-207	
LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	144.3	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	148.0
FR1 n30	Ant0		5mm	7.9	-71	-207		FR1 n7	Ant1		5mm	8.8	-71	-207	
LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	148.3	LTE Band 25	Ant4	Back	5mm	-9.1	75.3	-207	147.4
FR1 n30	Ant1		5mm	7.9	-71	-207		FR1 n7	Ant1		5mm	8.8	-71	-207	
LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	144.1	LTE Band 71	Ant4	Back	5mm	-10.3	72.1	-207	145.7
FR1 n30	Ant1		5mm	7.9	-71	-207		FR1 n41	Ant1		5mm	11.2	-72	-207	
LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	144.3	LTE Band 12	Ant4	Back	5mm	-8.1	76.4	-207	149.6
FR1 n30	Ant1		5mm	7.9	-71	-207		FR1 n41	Ant1		5mm	11.2	-72	-207	
LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	147.9	LTE Band 14	Ant4	Back	5mm	-11.2	71.8	-207	145.5
FR1 n30	Ant1		5mm	7.9	-71	-207		FR1 n41	Ant1		5mm	11.2	-72	-207	
LTE Band 25	Ant4	Back	5mm	-9.1	75.3	-207	147.3	LTE Band 26	Ant4	Back	5mm	-10.3	72.1	-207	145.7
FR1 n30	Ant1		5mm	7.9	-71	-207		FR1 n41	Ant1		5mm	11.2	-72	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	146.9	LTE Band 66	Ant4	Back	5mm	-5.8	76.3	-207	149.3
FR1 n77	Ant5		5mm	-39	65.2	-207		FR1 n41	Ant1		5mm	11.2	-72	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	150.5	LTE Band 25	Ant4	Back	5mm	-9.1	75.3	-207	148.7
FR1 n77	Ant5		5mm	-39	65.2	-207		FR1 n41	Ant1		5mm	11.2	-72	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	144.4	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	153.6



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FR1 n77	Ant5		5mm	-39	65.2	-207		FR1 n48	Ant5		5mm	-41	72.1	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	159.4	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	157.4
FR1 n77	Ant5		5mm	-39	65.2	-207		FR1 n48	Ant5		5mm	-41	72.1	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	146.0	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	151.1
FR1 n77	Ant5		5mm	-39	65.2	-207		FR1 n48	Ant5		5mm	-41	72.1	-207	
LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	147.7	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	166.3
FR1 n77	Ant5		5mm	-39	65.2	-207		FR1 n48	Ant5		5mm	-41	72.1	-207	
LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	153.2	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	152.7
FR1 n77	Ant5		5mm	-39	65.2	-207		FR1 n48	Ant5		5mm	-41	72.1	-207	
LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	146.7	LTE Band 66	Ant0	Back	5mm	-58	-81.3	-207	154.3
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n48	Ant5		5mm	-41	72.1	-207	
LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	147.7	LTE Band 25	Ant0	Back	5mm	-51	-87.5	-207	159.9
FR1 n5	Ant4		5mm	-9.4	77.6	-207		FR1 n48	Ant5		5mm	-41	72.1	-207	
LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	142.1	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	164.2
FR1 n66	Ant4		5mm	-11.2	72.7	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	143.0	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	165.7
FR1 n66	Ant4		5mm	-11.2	72.7	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 30	Ant1	Back	5mm	8.7	-68	-207	139.7	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	161.9
FR1 n25	Ant4		5mm	-10.1	70.4	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 7	Ant1	Back	5mm	8.4	-69	-207	140.6	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	174.7
FR1 n25	Ant4		5mm	-10.1	70.4	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	159.1	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	163.4
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	160.6	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	170.3
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n5	Ant4		5mm	-9.4	77.6	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	156.8	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	159.0
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	169.5	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	160.6
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	158.4	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	156.7
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	165.2	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	169.5
FR1 n71	Ant4		5mm	-9.6	72.4	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	161.2	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	158.2
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	162.6	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	165.1
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n66	Ant4		5mm	-11.2	72.7	-207	
LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	159.0	LTE Band 71	Ant0	Back	5mm	-51	-81.2	-207	157.0
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	171.6	LTE Band 12	Ant0	Back	5mm	-40	-85.3	-207	158.5
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	160.5	LTE Band 13	Ant0	Back	5mm	-52	-78.6	-207	154.8
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	167.3	LTE Band 14	Ant0	Back	5mm	-41	-94.2	-207	167.5
FR1 n12	Ant4		5mm	-7.7	74.1	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 48	Ant0	Back	5mm	-34	75.5	-207	161.9	LTE Band 26	Ant0	Back	5mm	-52	-80.2	-207	156.3
FR1 n71	Ant5		5mm	-53	-85.3	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 48	Ant0	Back	5mm	-34	75.5	-207	159.4	LTE Band 2	Ant0	Back	5mm	-51	-87.5	-207	163.1
FR1 n5	Ant5		5mm	-63	-81.2	-207		FR1 n25	Ant4		5mm	-10.1	70.4	-207	
LTE Band 48	Ant0	Back	5mm	-34	75.5	-207	158.7	LTE Band 48	Ant5	Back	5mm	-34	75.5	-207	163.3
FR1 n66	Ant5		5mm	-45	-82.8	-207		FR1 n2	Ant0		5mm	-48	-87.2	-207	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Back 5mm	133.5



Sensor off

Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap	SAR peak location (mm)			3D distance (mm)
			(mm)	X	Y	Z					(mm)	X	Y	Z	
LTE Band 71	Ant0	Back	22mm	-50	-81.6	-207	146.6	LTE Band 71	Ant0	Back	22mm	-50	-81.6	-207	144.8
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	150.4	LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	149.1
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	143.9	LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	142.0
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	158.7	LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	157.3
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
FR1 n71	Ant0	Back	22mm	-52	-83.1	-207	148.1	FR1 n71	Ant0	Back	22mm	-52	-83.1	-207	146.2
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
FR1 n12	Ant0	Back	22mm	-51	-80	-207	145.0	FR1 n12	Ant0	Back	22mm	-51	-80	-207	143.2
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
FR1 n14	Ant0	Back	22mm	-55	-76	-207	141.1	FR1 n14	Ant0	Back	22mm	-55	-76	-207	139.0
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
GSM850	Ant0	Back	22mm	-54	-75	-207	140.0	GSM850	Ant0	Back	22mm	-54	-75	-207	138.1
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
WCDMA V	Ant0	Back	22mm	-50	-82.6	-207	147.6	WCDMA V	Ant0	Back	22mm	-50	-82.6	-207	145.8
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
LTE Band 26	Ant0	Back	22mm	-45	-89.7	-207	154.8	LTE Band 26	Ant0	Back	22mm	-45	-89.7	-207	153.3
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
FR1 n26	Ant0	Back	22mm	-62	-81.6	-207	147.0	FR1 n26	Ant0	Back	22mm	-62	-81.6	-207	144.6
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
WCDMA IV	Ant0	Back	22mm	-52	-87	-207	152.0	WCDMA IV	Ant0	Back	22mm	-52	-87	-207	150.1
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
LTE Band 66	Ant0	Back	22mm	-56	-81.2	-207	146.3	LTE Band 66	Ant0	Back	22mm	-56	-81.2	-207	144.2
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
FR1 n70	Ant0	Back	22mm	-43	-93.6	-207	158.8	FR1 n70	Ant0	Back	22mm	-43	-93.6	-207	157.3
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
FR1 n66	Ant0	Back	22mm	-47	-81.4	-207	146.5	FR1 n66	Ant0	Back	22mm	-47	-81.4	-207	144.8
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
GSM1900	Ant0	Back	22mm	-46	-82.3	-207	147.4	GSM1900	Ant0	Back	22mm	-46	-82.3	-207	145.8
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
WCDMA II	Ant0	Back	22mm	-55	-78.3	-207	143.4	WCDMA II	Ant0	Back	22mm	-55	-78.3	-207	141.3
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
LTE Band 25	Ant0	Back	22mm	-52	-86.2	-207	151.2	LTE Band 25	Ant0	Back	22mm	-52	-86.2	-207	149.3
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
FR1 n25	Ant0	Back	22mm	-49	-86.8	-207	151.8	FR1 n25	Ant0	Back	22mm	-49	-86.8	-207	150.1
BT	Ant6		22mm	-51.2	65	-207		WIFI 5G	Ant6		22mm	-58.2	63	-207	
LTE Band 71	Ant0	Back	22mm	-50	-81.6	-207	147.6	LTE Band 71	Ant0	Back	22mm	-50	-81.6	-207	161.7
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n77	Ant5		22mm	-11	75.3	-207	
LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	151.6	LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	163.2
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n77	Ant5		22mm	-11	75.3	-207	
LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	144.9	LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	159.6
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n77	Ant5		22mm	-11	75.3	-207	
LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	159.9	LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	171.3
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n77	Ant5		22mm	-11	75.3	-207	
FR1 n71	Ant0	Back	22mm	-52	-83.1	-207	149.1	LTE Band 26	Ant0	Back	22mm	-45	-89.7	-207	168.5
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n77	Ant5		22mm	-11	75.3	-207	
FR1 n12	Ant0	Back	22mm	-51	-80	-207	146.0	LTE Band 66	Ant0	Back	22mm	-56	-81.2	-207	162.8
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n77	Ant5		22mm	-11	75.3	-207	
FR1 n14	Ant0	Back	22mm	-55	-76	-207	142.0	LTE Band 25	Ant0	Back	22mm	-52	-86.2	-207	166.6
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n77	Ant5		22mm	-11	75.3	-207	
GSM850	Ant0	Back	22mm	-54	-75	-207	141.0	LTE Band 71	Ant0	Back	22mm	-50	-81.6	-207	157.3



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WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n48	Ant5		22mm	-14	71.5	-207	
WCDMA V	Ant0	Back	22mm	-50	-82.6	-207	148.6	LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	158.9
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n48	Ant5		22mm	-14	71.5	-207	
LTE Band 26	Ant0	Back	22mm	-45	-89.7	-207	155.9	LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	155.1
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n48	Ant5		22mm	-14	71.5	-207	
FR1 n26	Ant0	Back	22mm	-62	-81.6	-207	147.8	LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	167.1
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n48	Ant5		22mm	-14	71.5	-207	
WCDMA IV	Ant0	Back	22mm	-52	-87	-207	153.0	LTE Band 26	Ant0	Back	22mm	-45	-89.7	-207	164.2
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n48	Ant5		22mm	-14	71.5	-207	
LTE Band 66	Ant0	Back	22mm	-56	-81.2	-207	147.2	LTE Band 66	Ant0	Back	22mm	-56	-81.2	-207	158.4
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n48	Ant5		22mm	-14	71.5	-207	
FR1 n70	Ant0	Back	22mm	-43	-93.6	-207	160.0	LTE Band 25	Ant0	Back	22mm	-52	-86.2	-207	162.2
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		FR1 n48	Ant5		22mm	-14	71.5	-207	
FR1 n66	Ant0	Back	22mm	-47	-81.4	-207	147.6	LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	170.5
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		LTE Band 66	Ant4		22mm	-10.3	82.6	-207	
GSM1900	Ant0	Back	22mm	-46	-82.3	-207	148.5	LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	166.8
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		LTE Band 66	Ant4		22mm	-10.3	82.6	-207	
WCDMA II	Ant0	Back	22mm	-55	-78.3	-207	144.3	LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	178.7
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		LTE Band 66	Ant4		22mm	-10.3	82.6	-207	
LTE Band 25	Ant0	Back	22mm	-52	-86.2	-207	152.2	LTE Band 5	Ant0	Back	22mm	-45	-89.7	-207	175.8
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		LTE Band 66	Ant4		22mm	-10.3	82.6	-207	
FR1 n25	Ant0	Back	22mm	-49	-86.8	-207	152.9	LTE Band 4	Ant0	Back	22mm	-56	-81.2	-207	170.1
WIFI 2.4G	Ant6		22mm	-53.7	66	-207		LTE Band 66	Ant4		22mm	-10.3	82.6	-207	
LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	170.0	LTE Band 2	Ant0	Back	22mm	-52	-86.2	-207	173.9
LTE Band 13	Ant4		22mm	-11.8	82.4	-207		LTE Band 66	Ant4		22mm	-10.3	82.6	-207	
LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	166.2	LTE Band 2	Ant0	Back	22mm	-52	-86.2	-207	165.9
LTE Band 13	Ant4		22mm	-11.8	82.4	-207		LTE Band 48	Ant4		22mm	-14	75.3	-207	
LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	178.2								
LTE Band 13	Ant4		22mm	-11.8	82.4	-207									
LTE Band 5	Ant0	Back	22mm	-45	-89.7	-207	175.3								
LTE Band 13	Ant4		22mm	-11.8	82.4	-207									
LTE Band 4	Ant0	Back	22mm	-56	-81.2	-207	169.5								
LTE Band 13	Ant4		22mm	-11.8	82.4	-207									
LTE Band 2	Ant0	Back	22mm	-52	-86.2	-207	173.3								
LTE Band 13	Ant4		22mm	-11.8	82.4	-207									
LTE Band 12	Ant0	Back	22mm	-41	-85.1	-207	174.4								
LTE Band 14	Ant4		22mm	-8.1	86.2	-207									
LTE Band 13	Ant0	Back	22mm	-52	-78.9	-207	170.8								
LTE Band 14	Ant4		22mm	-8.1	86.2	-207									
LTE Band 14	Ant0	Back	22mm	-41	-93.4	-207	182.6								
LTE Band 14	Ant4		22mm	-8.1	86.2	-207									
LTE Band 5	Ant0	Back	22mm	-45	-89.7	-207	179.7								
LTE Band 14	Ant4		22mm	-8.1	86.2	-207									
LTE Band 4	Ant0	Back	22mm	-56	-81.2	-207	174.1								
LTE Band 14	Ant4		22mm	-8.1	86.2	-207									
LTE Band 2	Ant0	Back	22mm	-52	-86.2	-207	177.9								
LTE Band 14	Ant4		22mm	-8.1	86.2	-207									

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Back 22mm	138.1

For Extremity
Front

Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)
				X	Y	Z						X	Y	Z	
LTE Band 30	Ant1	Front	0mm	-11	-81.8	-207	156.0	LTE Band 30	Ant1	Front	0mm	-11	-81.8	-207	152.1
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
FR1 n30	Ant1	Front	0mm	-10	-80.5	-207	154.7	FR1 n30	Ant1	Front	0mm	-10	-80.5	-207	150.8
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
LTE Band 7	Ant1	Front	0mm	-14	-85.5	-207	159.7	LTE Band 7	Ant1	Front	0mm	-14	-85.5	-207	155.7
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
LTE Band 41	Ant1	Front	0mm	-11	-74.2	-207	148.4	LTE Band 41	Ant1	Front	0mm	-11	-74.2	-207	144.5
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
FR1 n7	Ant1	Front	0mm	-15	-86.7	-207	160.9	FR1 n7	Ant1	Front	0mm	-15	-86.7	-207	156.8
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
FR1 n41	Ant1	Front	0mm	-8	-79.2	-207	153.5	FR1 n41	Ant1	Front	0mm	-8	-79.2	-207	149.6
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
LTE Band 30	Ant1	Front	0mm	-11	-81.8	-207	157.3	LTE Band 30	Ant1	Front	0mm	-11	-81.8	-207	125.1
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
FR1 n30	Ant1	Front	0mm	-10	-80.5	-207	156.0	FR1 n30	Ant1	Front	0mm	-10	-80.5	-207	123.8
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
LTE Band 7	Ant1	Front	0mm	-14	-85.5	-207	161.0	LTE Band 7	Ant1	Front	0mm	-14	-85.5	-207	129.1
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
LTE Band 41	Ant1	Front	0mm	-11	-74.2	-207	149.7	LTE Band 41	Ant1	Front	0mm	-11	-74.2	-207	117.5
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
FR1 n7	Ant1	Front	0mm	-15	-86.7	-207	162.2	FR1 n7	Ant1	Front	0mm	-15	-86.7	-207	130.3
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
FR1 n41	Ant1	Front	0mm	-8	-79.2	-207	154.8	FR1 n41	Ant1	Front	0mm	-8	-79.2	-207	122.3
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	149.9	LTE Band 66	Ant4	Front	0mm	-58.1	62.3	-207	142.0
LTE Band 48	Ant5		0mm	-37.2	73	-207		FR1 n25	Ant0		0mm	-8.8	-70.9	-207	
LTE Band 48	Ant5	Front	0mm	-37.2	73	-207	153.6	LTE Band 66	Ant4	Front	0mm	-58.1	62.3	-207	149.4
LTE Band 66	Ant0		0mm	-6.5	-77.5	-207		FR1 n66	Ant0		0mm	-5.7	-77.6	-207	
LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	146.2	LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	147.4
LTE Band 66	Ant4		0mm	-58.1	62.3	-207		BT	Ant6		0mm	-12.5	74.2	-207	
LTE Band 4	Ant0	Front	0mm	-6.5	-77.5	-207	149.0	LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	151.8
LTE Band 66	Ant4		0mm	-58.1	62.3	-207		BT	Ant6		0mm	-12.5	74.2	-207	
LTE Band 5	Ant0	Front	0mm	-11.6	-78.1	-207	147.9	LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	148.7
LTE Band 66	Ant4		0mm	-58.1	62.3	-207		WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207	
LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	147.4	LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	153.1
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207	
LTE Band 4	Ant0	Front	0mm	-6.5	-77.5	-207	151.8	LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	143.8
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
LTE Band 5	Ant0	Front	0mm	-11.6	-78.1	-207	152.3	LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	148.1
BT	Ant6		0mm	-12.5	74.2	-207		WIFI 5G	Ant6		0mm	-18.2	70.1	-207	
LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	148.7	LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	115.8
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
LTE Band 4	Ant0	Front	0mm	-6.5	-77.5	-207	153.1	LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	120.6
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		NFC	Ant9		0mm	-2	43	-207	
LTE Band 5	Ant0	Front	0mm	-11.6	-78.1	-207	153.6	FR1 n25	Ant0	Front	0mm	-8.8	-70.9	-207	145.1
WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207		BT	Ant6		0mm	-12.5	74.2	-207	
LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	143.8	FR1 n66	Ant0	Front	0mm	-5.7	-77.6	-207	152.0
WIFI 5G	Ant6		0mm	-18.2	70.1	-207		BT	Ant6		0mm	-12.5	74.2	-207	
LTE Band 4	Ant0	Front	0mm	-6.5	-77.5	-207	148.1	FR1 n25	Ant0	Front	0mm	-8.8	-70.9	-207	146.5
WIFI 5G	Ant6		0mm	-18.2	70.1	-207		WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207	
LTE Band 5	Ant0	Front	0mm	-11.6	-78.1	-207	148.3	FR1 n66	Ant0	Front	0mm	-5.7	-77.6	-207	153.3
WIFI 5G	Ant6		0mm	-18.2	70.1	-207		WIFI 2.4G	Ant6		0mm	-13.1	75.5	-207	



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LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	115.8	FR1 n25	Ant0	Front	0mm	-8.8	-70.9	-207	141.3
NFC	Ant9	Front	0mm	-2	43	-207		WIFI 5G	Ant6	Front	0mm	-18.2	70.1	-207	
LTE Band 4	Ant0	Front	0mm	-6.5	-77.5	-207	120.6	FR1 n66	Ant0	Front	0mm	-5.7	-77.6	-207	148.2
NFC	Ant9	Front	0mm	-2	43	-207		WIFI 5G	Ant6	Front	0mm	-18.2	70.1	-207	
LTE Band 5	Ant0	Front	0mm	-11.6	-78.1	-207	121.5	FR1 n25	Ant0	Front	0mm	-8.8	-70.9	-207	114.1
NFC	Ant9	Front	0mm	-2	43	-207		NFC	Ant9	Front	0mm	-2	43	-207	
LTE Band 30	Ant1	Front	0mm	-11	-81.8	-207	152.2	FR1 n66	Ant0	Front	0mm	-5.7	-77.6	-207	120.7
FR1 n25	Ant4	Front	0mm	-53.9	64.2	-207		NFC	Ant9	Front	0mm	-2	43	-207	
LTE Band 7	Ant1	Front	0mm	-14	-85.5	-207	154.9	LTE Band 66	Ant4	Front	0mm	-58.1	62.3	-207	150.7
FR1 n25	Ant4	Front	0mm	-53.9	64.2	-207		FR1 n30	Ant1	Front	0mm	-10	-80.5	-207	
LTE Band 30	Ant1	Front	0mm	-11	-81.8	-207	157.4	LTE Band 25	Ant4	Front	0mm	-72.6	61.2	-207	154.9
FR1 n66	Ant4	Front	0mm	-73.1	62.8	-207		FR1 n30	Ant1	Front	0mm	-10	-80.5	-207	
LTE Band 7	Ant1	Front	0mm	-14	-85.5	-207	159.6	LTE Band 66	Ant4	Front	0mm	-58.1	62.3	-207	155.1
FR1 n66	Ant4	Front	0mm	-73.1	62.8	-207		FR1 n7	Ant1	Front	0mm	-15	-86.7	-207	
LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	151.8	LTE Band 25	Ant4	Front	0mm	-72.6	61.2	-207	158.7
FR1 n77	Ant5	Front	0mm	-38.1	71	-207		FR1 n7	Ant1	Front	0mm	-15	-86.7	-207	
LTE Band 25	Ant0	Front	0mm	-2.3	-72.8	-207	148.2	LTE Band 66	Ant4	Front	0mm	-58.1	62.3	-207	150.1
FR1 n77	Ant5	Front	0mm	-38.1	71	-207		FR1 n41	Ant1	Front	0mm	-8	-79.2	-207	
LTE Band 26	Ant0	Front	0mm	-11.6	-78.1	-207	151.4	LTE Band 25	Ant4	Front	0mm	-72.6	61.2	-207	154.5
FR1 n77	Ant5	Front	0mm	-38.1	71	-207		FR1 n41	Ant1	Front	0mm	-8	-79.2	-207	
LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	146.0	LTE Band 2	Ant4	Front	0mm	-2.3	-72.8	-207	153.0
FR1 n48	Ant5	Front	0mm	-27.5	67	-207		FR1 n41	Ant1	Front	0mm	-63.3	67.5	-207	
LTE Band 25	Ant0	Front	0mm	-2.3	-72.8	-207	142.1	LTE Band 66	Ant4	Front	0mm	-6.5	-77.5	-207	155.7
FR1 n48	Ant5	Front	0mm	-27.5	67	-207		FR1 n41	Ant1	Front	0mm	-63.3	67.5	-207	
LTE Band 26	Ant0	Front	0mm	-11.6	-78.1	-207	146.0	LTE Band 26	Ant4	Front	0mm	-11.6	-78.1	-207	154.5
FR1 n48	Ant5	Front	0mm	-27.5	67	-207		FR1 n41	Ant1	Front	0mm	-63.3	67.5	-207	
LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	153.0	LTE Band 2	Ant0	Front	0mm	-2.3	-72.8	-207	146.4
FR1 n66	Ant4	Front	0mm	-73.1	62.8	-207		FR1 n25	Ant4	Front	0mm	-53.9	64.2	-207	
LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	155.3	LTE Band 66	Ant0	Front	0mm	-6.5	-77.5	-207	149.4
FR1 n66	Ant4	Front	0mm	-73.1	62.8	-207		FR1 n25	Ant4	Front	0mm	-53.9	64.2	-207	
LTE Band 26	Ant0	Front	0mm	-11.6	-78.1	-207	153.7	LTE Band 26	Ant0	Front	0mm	-11.6	-78.1	-207	148.5
FR1 n66	Ant4	Front	0mm	-73.1	62.8	-207		FR1 n25	Ant4	Front	0mm	-53.9	64.2	-207	
LTE Band 48	Ant5	Front	0mm	-37.2	73	-207	146.7	LTE Band 48	Ant5	Front	0mm	-37.2	73	-207	153.9
FR1 n2	Ant0	Front	0mm	-8.8	-70.9	-207		FR1 n66	Ant0	Front	0mm	-5.7	-77.6	-207	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Front 0mm	114.1



Back

Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Band	Ant	Position	Gap (mm)	SAR peak location (mm)			3D distance (mm)
				X	Y	Z						X	Y	Z	
LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	158.5	LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	162.9
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	156.3	LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	160.6
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
GSM850	Ant0	Back	0mm	-9	-79.4	-207	153.9	GSM850	Ant0	Back	0mm	-9	-79.4	-207	158.2
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
WCDMA V	Ant0	Back	0mm	-15	-82.6	-207	155.0	WCDMA V	Ant0	Back	0mm	-15	-82.6	-207	159.4
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	161.7	LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	166.0
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n26	Ant0	Back	0mm	-6	-82.7	-207	158.1	FR1 n26	Ant0	Back	0mm	-6	-82.7	-207	162.4
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
WCDMA IV	Ant0	Back	0mm	-16	-78.2	-207	150.5	WCDMA IV	Ant0	Back	0mm	-16	-78.2	-207	154.9
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	150.8	LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	155.1
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n70	Ant0	Back	0mm	-9	-84.7	-207	158.9	FR1 n70	Ant0	Back	0mm	-9	-84.7	-207	163.2
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n66	Ant0	Back	0mm	-11	-75.4	-207	149.5	FR1 n66	Ant0	Back	0mm	-11	-75.4	-207	153.8
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
GSM1900	Ant0	Back	0mm	-10	-77.3	-207	151.6	GSM1900	Ant0	Back	0mm	-10	-77.3	-207	155.9
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
WCDMA II	Ant0	Back	0mm	-13	-76.8	-207	150.2	WCDMA II	Ant0	Back	0mm	-13	-76.8	-207	154.5
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 25	Ant0	Back	0mm	-8	-83.9	-207	158.5	LTE Band 25	Ant0	Back	0mm	-8	-83.9	-207	162.8
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n25	Ant0	Back	0mm	-9	-78	-207	152.6	FR1 n25	Ant0	Back	0mm	-9	-78	-207	156.9
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	161.2	LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	154.6
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	158.9	LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	153.9
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
GSM850	Ant0	Back	0mm	-9	-79.4	-207	156.6	GSM850	Ant0	Back	0mm	-9	-79.4	-207	148.6
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
WCDMA V	Ant0	Back	0mm	-15	-82.6	-207	157.7	WCDMA V	Ant0	Back	0mm	-15	-82.6	-207	152.2
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	164.4	LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	155.2
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n26	Ant0	Back	0mm	-6	-82.7	-207	160.8	FR1 n26	Ant0	Back	0mm	-6	-82.7	-207	151.8
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
WCDMA IV	Ant0	Back	0mm	-16	-78.2	-207	153.2	WCDMA IV	Ant0	Back	0mm	-16	-78.2	-207	147.9
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	153.5	LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	146.1
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n70	Ant0	Back	0mm	-9	-84.7	-207	161.6	FR1 n70	Ant0	Back	0mm	-9	-84.7	-207	153.9
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n66	Ant0	Back	0mm	-11	-75.4	-207	152.2	FR1 n66	Ant0	Back	0mm	-11	-75.4	-207	144.7
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
GSM1900	Ant0	Back	0mm	-10	-77.3	-207	154.3	GSM1900	Ant0	Back	0mm	-10	-77.3	-207	146.5
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
WCDMA II	Ant0	Back	0mm	-13	-76.8	-207	152.8	WCDMA II	Ant0	Back	0mm	-13	-76.8	-207	146.2
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 25	Ant0	Back	0mm	-8	-83.9	-207	161.2	LTE Band 25	Ant0	Back	0mm	-8	-83.9	-207	153.0



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WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n25	Ant0	Back	0mm	-9	-78	-207	155.3	FR1 n25	Ant0	Back	0mm	-9	-78	-207	147.2
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 30	Ant1	Back	0mm	-8.6	-78.1	-207	152.9	LTE Band 30	Ant1	Back	0mm	-8.6	-78.1	-207	157.1
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n30	Ant1	Back	0mm	-10.6	-76.7	-207	150.9	FR1 n30	Ant1	Back	0mm	-10.6	-76.7	-207	155.2
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 7	Ant1	Back	0mm	-8.6	-82.6	-207	157.1	LTE Band 7	Ant1	Back	0mm	-8.6	-82.6	-207	161.4
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 41	Ant1	Back	0mm	-12.7	-81.9	-207	155.1	LTE Band 41	Ant1	Back	0mm	-12.7	-81.9	-207	159.4
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n7	Ant1	Back	0mm	-8.67	-76.1	-207	151.0	FR1 n7	Ant1	Back	0mm	-8.67	-76.1	-207	155.2
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n41	Ant1	Back	0mm	-12.1	-79.8	-207	153.3	FR1 n41	Ant1	Back	0mm	-12.1	-79.8	-207	157.6
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
FR1 n77	Ant1	Back	0mm	-3.1	-84.3	-207	160.6	FR1 n77	Ant1	Back	0mm	-3.1	-84.3	-207	164.9
BT	Ant6		0mm	-61.8	65.2	-207		WIFI 5G	Ant6		0mm	-61.7	69.8	-207	
LTE Band 30	Ant1	Back	0mm	-8.6	-78.1	-207	155.5	LTE Band 30	Ant1	Back	0mm	-8.6	-78.1	-207	147.3
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n30	Ant1	Back	0mm	-10.6	-76.7	-207	153.5	FR1 n30	Ant1	Back	0mm	-10.6	-76.7	-207	146.0
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 7	Ant1	Back	0mm	-8.6	-82.6	-207	159.8	LTE Band 7	Ant1	Back	0mm	-8.6	-82.6	-207	151.8
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 41	Ant1	Back	0mm	-12.7	-81.9	-207	157.7	LTE Band 41	Ant1	Back	0mm	-12.7	-81.9	-207	151.3
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n7	Ant1	Back	0mm	-8.67	-76.1	-207	153.6	FR1 n7	Ant1	Back	0mm	-8.67	-76.1	-207	145.3
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n41	Ant1	Back	0mm	-12.1	-79.8	-207	155.9	FR1 n41	Ant1	Back	0mm	-12.1	-79.8	-207	149.2
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
FR1 n77	Ant1	Back	0mm	-3.1	-84.3	-207	163.3	FR1 n77	Ant1	Back	0mm	-3.1	-84.3	-207	153.3
WIFI 2.4G	Ant6		0mm	-63.3	67.5	-207		NFC	Ant9		0mm	-1.7	69	-207	
LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	159.6	LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	160.6
LTE Band 13	Ant4		0mm	-16.3	74.2	-207		LTE Band 66	Ant4		0mm	-11.8	75.3	-207	
LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	158.4	LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	159.6
LTE Band 13	Ant4		0mm	-16.3	74.2	-207		LTE Band 66	Ant4		0mm	-11.8	75.3	-207	
LTE Band 2	Ant0	Back	0mm	-8	-83.9	-207	158.3	LTE Band 2	Ant0	Back	0mm	-8	-83.9	-207	159.2
LTE Band 13	Ant4		0mm	-16.3	74.2	-207		LTE Band 66	Ant4		0mm	-11.8	75.3	-207	
LTE Band 4	Ant0	Back	0mm	-11	-76.8	-207	151.1	LTE Band 4	Ant0	Back	0mm	-11	-76.8	-207	152.1
LTE Band 13	Ant4		0mm	-16.3	74.2	-207		LTE Band 66	Ant4		0mm	-11.8	75.3	-207	
LTE Band 5	Ant0	Back	0mm	-5	-86.2	-207	160.8	LTE Band 5	Ant0	Back	0mm	-5	-86.2	-207	161.6
LTE Band 13	Ant4		0mm	-16.3	74.2	-207		LTE Band 66	Ant4		0mm	-11.8	75.3	-207	
LTE Band 2	Ant0	Back	0mm	-8	-83.9	-207	157.3	LTE Band 48	Ant0	Back	0mm	-35.2	71	-207	149.8
LTE Band 48	Ant5		0mm	-35.2	71	-207		LTE Band 66	Ant5		0mm	-11	-76.8	-207	
LTE Band 13	Ant4	Back	0mm	-16.3	74.2	-207	149.7	LTE Band 66	Ant0	Back	0mm	-11.8	75.3	-207	152.0
FR1 n66	Ant0		0mm	-11	-75.4	-207		FR1 n30	Ant1		0mm	-10.6	-76.7	-207	
LTE Band 66	Ant4	Back	0mm	-11.8	75.3	-207	150.7	LTE Band 25	Ant0	Back	0mm	-11.5	74.6	-207	151.3
FR1 n66	Ant0		0mm	-11	-75.4	-207		FR1 n30	Ant1		0mm	-10.6	-76.7	-207	
LTE Band 2	Ant4	Back	0mm	-11.5	74.6	-207	150.0	LTE Band 66	Ant0	Back	0mm	-11.8	75.3	-207	151.3
FR1 n66	Ant0		0mm	-11	-75.4	-207		FR1 n7	Ant1		0mm	-8.67	-76	-207	
LTE Band 13	Ant4	Back	0mm	-16.3	74.2	-207	152.5	LTE Band 25	Ant0	Back	0mm	-11.5	74.6	-207	150.6
FR1 n25	Ant0		0mm	-9	-78.1	-207		FR1 n7	Ant1		0mm	-8.67	-76	-207	
LTE Band 66	Ant4	Back	0mm	-11.8	75.3	-207	153.4	LTE Band 66	Ant0	Back	0mm	-11.8	75.3	-207	155.1
FR1 n25	Ant0		0mm	-9	-78.1	-207		FR1 n41	Ant1		0mm	-12.1	-79.8	-207	
LTE Band 2	Ant4	Back	0mm	-11.5	74.6	-207	152.7	LTE Band 25	Ant0	Back	0mm	-11.5	74.6	-207	154.4
FR1 n25	Ant0		0mm	-9	-78.1	-207		FR1 n41	Ant1		0mm	-12.1	-79.8	-207	
LTE Band 13	Ant4	Back	0mm	-16.3	74.2	-207	157.2	LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	156.4



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FR1 n5	Ant0		0mm	-6	-82.7	-207		FR1 n77	Ant5		0mm	-47.5	67	-207	
LTE Band 66	Ant4	Back	0mm	-11.8	75.3	-207	158.1	LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	154.4
FR1 n5	Ant0		0mm	-6	-82.7	-207		FR1 n77	Ant5		0mm	-47.5	67	-207	
LTE Band 2	Ant4	Back	0mm	-11.5	74.6	-207	157.4	LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	159.0
FR1 n5	Ant0		0mm	-6	-82.7	-207		FR1 n77	Ant5		0mm	-47.5	67	-207	
LTE Band 30	Ant1	Back	0mm	-8.6	-78.1	-207	150.9	LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	148.4
FR1 n66	Ant4		0mm	-10.6	72.8	-207		FR1 n77	Ant5		0mm	-47.5	67	-207	
LTE Band 7	Ant1	Back	0mm	-8.6	-82.6	-207	155.4	LTE Band 25	Ant0	Back	0mm	-8	-83.9	-207	156.0
FR1 n66	Ant4		0mm	-10.6	72.8	-207		FR1 n77	Ant5		0mm	-47.5	67	-207	
LTE Band 30	Ant1	Back	0mm	-8.6	-78.1	-207	146.2	LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	164.5
FR1 n25	Ant4		0mm	-10.1	68.1	-207		FR1 n48	Ant5		0mm	-38.9	77	-207	
LTE Band 7	Ant1	Back	0mm	-8.6	-82.6	-207	150.7	LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	162.8
FR1 n25	Ant4		0mm	-10.1	68.1	-207		FR1 n48	Ant5		0mm	-38.9	77	-207	
LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	158.1	LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	166.7
FR1 n66	Ant4		0mm	-10.6	72.8	-207		FR1 n48	Ant5		0mm	-38.9	77	-207	
LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	157.1	LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	156.3
FR1 n66	Ant4		0mm	-10.6	72.8	-207		FR1 n48	Ant5		0mm	-38.9	77	-207	
LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	159.1	LTE Band 25	Ant0	Back	0mm	-8	-83.9	-207	163.8
FR1 n66	Ant4		0mm	-10.6	72.8	-207		FR1 n48	Ant5		0mm	-38.9	77	-207	
LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	149.6	LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	157.7
FR1 n66	Ant4		0mm	-10.6	72.8	-207		FR1 n41	Ant4		0mm	-16.5	72.3	-207	
LTE Band 2	Ant0	Back	0mm	-8	-83.9	-207	156.7	LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	156.5
FR1 n66	Ant4		0mm	-10.6	72.8	-207		FR1 n41	Ant4		0mm	-16.5	72.3	-207	
LTE Band 13	Ant0	Back	0mm	-12	-85.3	-207	153.4	LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	158.9
FR1 n25	Ant4		0mm	-10.1	68.1	-207		FR1 n41	Ant4		0mm	-16.5	72.3	-207	
LTE Band 14	Ant0	Back	0mm	-16	-84.2	-207	152.4	LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	149.2
FR1 n25	Ant4		0mm	-10.1	68.1	-207		FR1 n41	Ant4		0mm	-16.5	72.3	-207	
LTE Band 26	Ant0	Back	0mm	-5	-86.2	-207	154.4	LTE Band 2	Ant0	Back	0mm	-8	-83.9	-207	156.4
FR1 n25	Ant4		0mm	-10.1	68.1	-207		FR1 n41	Ant4		0mm	-16.5	72.3	-207	
LTE Band 66	Ant0	Back	0mm	-11	-76.8	-207	144.9	LTE Band 48	Ant5	Back	0mm	-35.2	71	-207	148.4
FR1 n25	Ant4		0mm	-10.1	68.1	-207		FR1 n66	Ant0		0mm	-11	-75.4	-207	
LTE Band 2	Ant0	Back	0mm	-8	-83.9	-207	152.0	LTE Band 48	Ant5	Back	0mm	-35.2	71	-207	151.4
FR1 n25	Ant4		0mm	-10.1	68.1	-207		FR1 n2	Ant0		0mm	-9	-78.1	-207	
								LTE Band 48	Ant5	Back	0mm	-35.2	71	-207	156.4
								FR1 n5	Ant0		0mm	-6	-82.7	-207	

Note: According to the above tables the minimum distance is as follows:

Simultaneous	Position	minimum 3D distance (mm)
WWAN+WLAN/BT	Back 0mm	144.7

Test Engineer : Martin Li, Varus Wang, Ricky Gu, Light Wang

17. Uncertainty Assessment

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

18. References

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- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
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- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", 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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