



FCC SAR Test Report

Report No. : FA322305

	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 2	ECI 7	55830	3609	16.78	18.00	1.324	62.9	1.006	0.03	0.008	0.011
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 2	ECI 7	55830	3609	16.75	18.00	1.334	62.9	1.006	0.04	0.010	0.013
	LTE Band 48	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 2	ECI 7	55830	3609	16.78	18.00	1.324	62.9	1.006	-0.08	0.103	0.137
	LTE Band 48	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 2	ECI 7	55830	3609	16.75	18.00	1.334	62.9	1.006	0.16	0.053	0.071
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 7	ECI 7	55830	3609	15.93	17.00	1.279	62.9	1.006	-0.02	0.213	0.274
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 7	ECI 7	55830	3609	15.87	17.00	1.297	62.9	1.006	-0.02	0.204	0.266
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	ECI 7	55830	3609	15.93	17.00	1.279	62.9	1.006	-0.18	0.410	0.528
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	ECI 7	55830	3609	15.87	17.00	1.297	62.9	1.006	0.06	0.393	0.513
	LTE Band 48	20M	QPSK	1	0	-	Left Side	5mm	Ant 7	ECI 7	55830	3609	15.93	17.00	1.279	62.9	1.006	0.05	0.067	0.086
	LTE Band 48	20M	QPSK	50	0	-	Left Side	5mm	Ant 7	ECI 7	55830	3609	15.87	17.00	1.297	62.9	1.006	0.15	0.030	0.039
	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 7	ECI 7	55830	3609	15.93	17.00	1.279	62.9	1.006	0.09	0.455	0.586
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 7	ECI 7	55830	3609	15.87	17.00	1.297	62.9	1.006	0.09	0.322	0.420
	LTE Band 48	20M	QPSK	1	0	-	Top Side	5mm	Ant 7	ECI 7	55830	3609	15.93	17.00	1.279	62.9	1.006	-0.06	0.410	0.528
	LTE Band 48	20M	QPSK	50	0	-	Top Side	5mm	Ant 7	ECI 7	55830	3609	15.87	17.00	1.297	62.9	1.006	0.1	0.390	0.509
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	ECI 7	55830	3609	19.34	20.50	1.306	62.9	1.006	-0.11	0.267	0.351
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	ECI 7	55830	3609	19.31	20.50	1.315	62.9	1.006	0.05	0.237	0.314
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	ECI 7	55830	3609	19.34	20.50	1.306	62.9	1.006	0.17	0.440	0.578
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	ECI 7	55830	3609	19.31	20.50	1.315	62.9	1.006	0.18	0.329	0.435
	LTE Band 48	20M	QPSK	1	0	-	Left Side	5mm	Ant 5	ECI 7	55830	3609	19.34	20.50	1.306	62.9	1.006	-0.08	0.030	0.039
	LTE Band 48	20M	QPSK	50	0	-	Left Side	5mm	Ant 5	ECI 7	55830	3609	19.31	20.50	1.315	62.9	1.006	0.09	0.020	0.026
	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 5	ECI 7	55830	3609	19.34	20.50	1.306	62.9	1.006	-0.01	0.899	1.181
59	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 5	ECI 7	55340	3560	19.31	20.50	1.315	62.9	1.006	-0.02	0.915	1.211
	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 5	ECI 7	56150	3641	19.29	20.50	1.321	62.9	1.006	0.13	0.785	1.043
	LTE Band 48	20M	QPSK	1	0	-	Right Side	5mm	Ant 5	ECI 7	56640	3690	19.25	20.50	1.334	62.9	1.006	0.14	0.750	1.006
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 5	ECI 7	55830	3609	19.31	20.50	1.315	62.9	1.006	0.08	0.859	1.137
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 5	ECI 7	55340	3560	19.29	20.50	1.321	62.9	1.006	-0.13	0.871	1.158
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 5	ECI 7	56150	3641	19.28	20.50	1.324	62.9	1.006	-0.14	0.856	1.140
	LTE Band 48	20M	QPSK	50	0	-	Right Side	5mm	Ant 5	ECI 7	56640	3690	19.15	20.50	1.365	62.9	1.006	0.03	0.863	1.185
	LTE Band 48	20M	QPSK	100	0	-	Right Side	5mm	Ant 5	ECI 7	55830	3609	19.27	20.50	1.327	62.9	1.006	-0.19	0.848	1.132
	LTE Band 48	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 5	ECI 7	55830	3609	19.34	20.50	1.306	62.9	1.006	-0.08	0.160	0.210
	LTE Band 48	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 5	ECI 7	55830	3609	19.31	20.50	1.315	62.9	1.006	0.03	0.111	0.147
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	641666	3624.99	14.46	15.00	1.132	-	-	0.02	0.114	0.129
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	641666	3624.99	14.42	15.00	1.143	-	-	0.03	0.145	0.166
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	641666	3624.99	14.46	15.00	1.132	-	-	0.07	0.162	0.183
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	641666	3624.99	14.42	15.00	1.143	-	-	-0.06	0.202	0.231
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	641666	3624.99	14.46	15.00	1.132	-	-	0.1	0.356	0.403
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	641666	3624.99	14.42	15.00	1.143	-	-	-0.06	0.366	0.418
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	641666	3624.99	14.46	15.00	1.132	-	-	0.04	0.005	0.006
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	641666	3624.99	14.42	15.00	1.143	-	-	0.07	0.008	0.009
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	641666	3624.99	14.46	15.00	1.132	-	-	0.19	0.025	0.028
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	641666	3624.99	14.42	15.00	1.143	-	-	0.11	0.029	0.033
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	641666	3624.99	18.56	19.00	1.107	-	-	0.07	0.404	0.447
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	641666	3624.99	18.48	19.00	1.127	-	-	0.06	0.492	0.555
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	641666	3624.99	18.56	19.00	1.107	-	-	-0.04	0.406	0.449
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	641666	3624.99	18.48	19.00	1.127	-	-	-0.03	0.417	0.470
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	641666	3624.99	18.56	19.00	1.107	-	-	0.03	0.995	1.101
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	641666	3624.99	18.48	19.00	1.127	-	-	0.06	1.010	1.138
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	641666	3624.99	18.42	19.00	1.143	-	-	0.17	0.926	1.058
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	641666	3624.99	18.56	19.00	1.107	-	-	0.15	0.017	0.019
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	641666	3624.99	18.48	19.00	1.127	-	-	0.12	0.015	0.017
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	641666	3624.99	18.56	19.00	1.107	-	-	-0.16	0.168	0.186
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	641666	3624.99	18.48	19.00	1.127	-	-	-0.17	0.139	0.157
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	641666	3624.99	14.76	16.00	1.330	-	-	0.02	0.179	0.238
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	641666	3624.99	14.66	16.00	1.361	-	-	-0.05	0.183	0.249
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	641666	3624.99	14.76	16.00	1.330	-	-	-0.01	0.375	0.499
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	641666	3624.99	14.66	16.00	1.361	-	-	0.16	0.295	0.402
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	641666	3624.99	14.76	16.00	1.330	-	-	-0.01	0.035	0.047
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	641666	3624.99	14.66	16.00	1.361	-	-	-0.06	0.030	0.041



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	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	641666	3624.99	14.76	16.00	1.330	-	-	-0.08	0.343	0.456
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	641666	3624.99	14.66	16.00	1.361	-	-	0.17	0.387	0.527
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	641666	3624.99	14.76	16.00	1.330	-	-	0.11	0.334	0.444
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	641666	3624.99	14.66	16.00	1.361	-	-	-0.03	0.306	0.417
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	641666	3624.99	21.27	22.00	1.183	-	-	-0.07	0.288	0.341
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	641666	3624.99	21.22	22.00	1.197	-	-	-0.04	0.336	0.402
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	641666	3624.99	21.27	22.00	1.183	-	-	0.11	0.486	0.575
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	641666	3624.99	21.22	22.00	1.197	-	-	0.09	0.552	0.661
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	641666	3624.99	21.27	22.00	1.183	-	-	0.08	0.037	0.044
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	641666	3624.99	21.22	22.00	1.197	-	-	0.03	0.000	0.000
60	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	641666	3624.99	21.27	22.00	1.183	-	-	-0.02	1.040	1.230
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	641666	3624.99	21.22	22.00	1.197	-	-	0.1	0.999	1.196
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	641666	3624.99	21.16	22.00	1.213	-	-	0.04	0.854	1.036
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 5	ECI 7	641666	3624.99	21.27	22.00	1.183	-	-	0.03	0.225	0.266
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 5	ECI 7	641666	3624.99	21.22	22.00	1.197	-	-	0.03	0.230	0.275
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	656000	3840	15.65	16.50	1.216	-	-	0.05	0.142	0.173
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	656000	3840	15.59	16.50	1.233	-	-	-0.1	0.170	0.210
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	656000	3840	15.65	16.50	1.216	-	-	0.05	0.239	0.291
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	656000	3840	15.59	16.50	1.233	-	-	0.07	0.247	0.305
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	656000	3840	15.65	16.50	1.216	-	-	0.06	0.363	0.441
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	656000	3840	15.59	16.50	1.233	-	-	-0.09	0.479	0.591
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	656000	3840	15.65	16.50	1.216	-	-	-0.09	0.007	0.009
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	656000	3840	15.59	16.50	1.233	-	-	0.04	0.007	0.009
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	656000	3840	15.65	16.50	1.216	-	-	-0.07	0.048	0.058
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	656000	3840	15.59	16.50	1.233	-	-	0.07	0.044	0.054
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	633334	3500.01	15.65	16.50	1.216	-	-	0.03	0.142	0.173
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	ECI 7	633334	3500.01	15.60	16.50	1.230	-	-	0.03	0.116	0.143
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	633334	3500.01	15.65	16.50	1.216	-	-	0.15	0.210	0.255
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	ECI 7	633334	3500.01	15.60	16.50	1.230	-	-	-0.1	0.127	0.156
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	633334	3500.01	15.65	16.50	1.216	-	-	0.05	0.488	0.593
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 4	ECI 7	633334	3500.01	15.60	16.50	1.230	-	-	0.17	0.337	0.415
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	633334	3500.01	15.65	16.50	1.216	-	-	0.02	0.010	0.012
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 4	ECI 7	633334	3500.01	15.60	16.50	1.230	-	-	0.02	0.000	0.000
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	633334	3500.01	15.65	16.50	1.216	-	-	-0.06	0.041	0.050
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	ECI 7	633334	3500.01	15.60	16.50	1.230	-	-	-0.08	0.024	0.030
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	656000	3840	17.68	18.50	1.208	-	-	-0.06	0.144	0.174
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	656000	3840	17.65	18.50	1.216	-	-	-0.19	0.170	0.207
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	656000	3840	17.68	18.50	1.208	-	-	0.04	0.201	0.243
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	656000	3840	17.65	18.50	1.216	-	-	0.08	0.251	0.305
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	17.68	18.50	1.208	-	-	0.03	0.458	0.553
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	656000	3840	17.65	18.50	1.216	-	-	-0.05	0.525	0.638
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	656000	3840	17.68	18.50	1.208	-	-	-0.15	0.015	0.018
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	656000	3840	17.65	18.50	1.216	-	-	-0.15	0.015	0.018
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	656000	3840	17.68	18.50	1.208	-	-	0.17	0.242	0.292
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	656000	3840	17.65	18.50	1.216	-	-	-0.03	0.190	0.231
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	633334	3500.01	17.66	18.50	1.213	-	-	0.07	0.251	0.305
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	ECI 7	633334	3500.01	17.54	18.50	1.247	-	-	0.04	0.378	0.472
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	633334	3500.01	17.66	18.50	1.213	-	-	0.04	0.380	0.461
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 7	633334	3500.01	17.54	18.50	1.247	-	-	-0.07	0.429	0.535
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	633334	3500.01	17.66	18.50	1.213	-	-	0.03	0.716	0.869
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	633334	3500.01	17.54	18.50	1.247	-	-	0.01	0.872	1.088
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	5mm	Ant 2	ECI 7	633334	3500.01	17.57	18.50	1.239	-	-	-0.06	0.733	0.908
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	633334	3500.01	17.66	18.50	1.213	-	-	-0.06	0.028	0.034
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 2	ECI 7	633334	3500.01	17.54	18.50	1.247	-	-	-0.09	0.021	0.026
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	633334	3500.01	17.66	18.50	1.213	-	-	0.08	0.352	0.427
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 2	ECI 7	633334	3500.01	17.54	18.50	1.247	-	-	-0.07	0.331	0.413
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	656000	3840	16.24	17.30	1.276	-	-	-0.02	0.140	0.179
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	656000	3840	16.16	17.30	1.300	-	-	0.1	0.132	0.172



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	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	656000	3840	16.24	17.30	1.276	-	-	0.03	0.285	0.364
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	656000	3840	16.16	17.30	1.300	-	-	0.17	0.226	0.294
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	656000	3840	16.24	17.30	1.276	-	-	0.06	0.010	0.013
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	656000	3840	16.16	17.30	1.300	-	-	0.04	0.014	0.018
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	656000	3840	16.24	17.30	1.276	-	-	0.03	0.501	0.639
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	656000	3840	16.16	17.30	1.300	-	-	0.02	0.431	0.560
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	656000	3840	16.24	17.30	1.276	-	-	0.16	0.064	0.082
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	656000	3840	16.16	17.30	1.300	-	-	0.07	0.073	0.095
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	633334	3500.01	16.32	17.30	1.253	-	-	0.17	0.216	0.271
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	ECI 7	633334	3500.01	16.26	17.30	1.271	-	-	0.05	0.249	0.316
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	633334	3500.01	16.32	17.30	1.253	-	-	0.05	0.451	0.565
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	ECI 7	633334	3500.01	16.26	17.30	1.271	-	-	0.14	0.561	0.713
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	633334	3500.01	16.32	17.30	1.253	-	-	-0.05	0.103	0.129
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	ECI 7	633334	3500.01	16.26	17.30	1.271	-	-	0.09	0.125	0.159
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	633334	3500.01	16.32	17.30	1.253	-	-	0.02	0.306	0.383
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 7	ECI 7	633334	3500.01	16.26	17.30	1.271	-	-	-0.09	0.328	0.417
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	633334	3500.01	16.32	17.30	1.253	-	-	0.06	0.409	0.513
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 7	ECI 7	633334	3500.01	16.26	17.30	1.271	-	-	0.02	0.502	0.638
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	656000	3840	19.45	20.50	1.274	-	-	0.09	0.204	0.260
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	656000	3840	19.39	20.50	1.291	-	-	-0.17	0.176	0.227
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	656000	3840	19.45	20.50	1.274	-	-	0.09	0.288	0.367
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	656000	3840	19.39	20.50	1.291	-	-	0.11	0.240	0.310
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	656000	3840	19.45	20.50	1.274	-	-	0.14	0.014	0.018
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	656000	3840	19.39	20.50	1.291	-	-	-0.05	0.014	0.018
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	656000	3840	19.45	20.50	1.274	-	-	-0.08	0.479	0.610
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	656000	3840	19.39	20.50	1.291	-	-	0.08	0.435	0.562
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 5	ECI 7	656000	3840	19.45	20.50	1.274	-	-	-0.14	0.077	0.098
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 5	ECI 7	656000	3840	19.39	20.50	1.291	-	-	-0.14	0.042	0.054
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	633334	3500.01	19.89	20.50	1.151	-	-	0.08	0.291	0.335
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	ECI 7	633334	3500.01	19.85	20.50	1.161	-	-	-0.16	0.289	0.336
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	633334	3500.01	19.89	20.50	1.151	-	-	-0.17	0.495	0.570
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	ECI 7	633334	3500.01	19.85	20.50	1.161	-	-	0.02	0.428	0.497
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	633334	3500.01	19.89	20.50	1.151	-	-	0.02	0.195	0.224
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 5	ECI 7	633334	3500.01	19.85	20.50	1.161	-	-	0.07	0.144	0.167
61	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	633334	3500.01	19.89	20.50	1.151	-	-	-0.08	0.987	1.136
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	633334	3500.01	19.85	20.50	1.161	-	-	0.15	0.879	1.021
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	633334	3500.01	19.74	20.50	1.191	-	-	-0.05	0.867	1.033
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	5mm	Ant 5	ECI 7	633334	3500.01	19.89	20.50	1.151	-	-	-0.09	0.154	0.177
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 5	ECI 7	633334	3500.01	19.85	20.50	1.161	-	-	0.04	0.132	0.153



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)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+8(3)	Simultaneous	11	2462	15.22	16.50	1.343	99.31	1.007	0.02	0.250	0.338
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+8(3)	Simultaneous	11	2462	15.22	16.50	1.343	99.31	1.007	0.19	0.379	0.512
62	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+8(3)	Simultaneous	11	2462	15.22	16.50	1.343	99.31	1.007	0.01	0.472	0.638
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+8(3)	Simultaneous	1	2412	14.81	16.50	1.476	99.31	1.007	0.04	0.415	0.617
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3+8(3)	Simultaneous	6	2437	14.83	16.50	1.469	99.31	1.007	0.01	0.406	0.601
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3+8(3)	Simultaneous	11	2462	15.22	16.50	1.343	99.31	1.007	0.07	0.361	0.488
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 8	Simultaneous	6	2437	10.23	11.00	1.194	99.31	1.007	0.04	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 8	Simultaneous	6	2437	10.23	11.00	1.194	99.31	1.007	0.09	0.018	0.022
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 8	Simultaneous	6	2437	10.23	11.00	1.194	99.31	1.007	0.16	0.098	0.118
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 8	Simultaneous	6	2437	10.23	11.00	1.194	99.31	1.007	-0.08	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 8	Simultaneous	1	2412	9.97	11.00	1.268	99.31	1.007	0.01	0.089	0.114
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 8	Simultaneous	11	2462	9.86	11.00	1.300	99.31	1.007	0.05	0.088	0.115
	Bluetooth	1Mbps	Front	5mm	Ant 3	Hotspot on	39	2441	10.01	11.00	1.256	76.40	1.090	0.17	0.047	0.064
	Bluetooth	1Mbps	Back	5mm	Ant 3	Hotspot on	39	2441	10.01	11.00	1.256	76.40	1.090	-0.06	0.070	0.096
	Bluetooth	1Mbps	Right Side	5mm	Ant 3	Hotspot on	39	2441	10.01	11.00	1.256	76.40	1.090	-0.02	0.023	0.031
63	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Hotspot on	39	2441	10.01	11.00	1.256	76.40	1.090	0.01	0.104	0.142
	Bluetooth	1Mbps	Top Side	5mm	Ant 3	Simultaneous For WLAN 2.4G Ant 8	39	2441	6.26	7.00	1.186	76.40	1.090	0.15	0.001	0.001
5000MHz																
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	5mm	Ant 3+8(3)	Simultaneous	46	5230	13.11	14.50	1.377	93.9	1.065	0.07	0.197	0.289
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	5mm	Ant 3+8(3)	Simultaneous	46	5230	13.11	14.50	1.377	93.9	1.065	0.18	0.323	0.474
64	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	5mm	Ant 3+8(3)	Simultaneous	46	5230	13.11	14.50	1.377	93.9	1.065	0.07	0.476	0.698
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	5mm	Ant 3+8(3)	Simultaneous	46	5230	13.11	14.50	1.377	93.9	1.065	0.08	0.229	0.336
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 3+8(3)	Simultaneous	155	5775	11.83	13.00	1.309	88.79	1.126	0.04	0.094	0.139
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3+8(3)	Simultaneous	155	5775	11.83	13.00	1.309	88.79	1.126	0.02	0.285	0.420
65	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 3+8(3)	Simultaneous	155	5775	11.83	13.00	1.309	88.79	1.126	0.02	0.403	0.594
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 3+8(3)	Simultaneous	155	5775	11.83	13.00	1.309	88.79	1.126	0.19	0.122	0.180



16.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	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	23.28	24.00	1.180	-	-	-0.13	0.465	0.549
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	133322	683	22.32	23.00	1.169	-	-	0.09	0.378	0.442
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	133322	683	23.28	24.00	1.180	-	-	-0.05	0.685	0.809
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	133222	673	23.21	24.00	1.199	-	-	0.04	0.647	0.776
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	133372	688	23.23	24.00	1.194	-	-	0.11	0.661	0.789
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	133322	683	22.32	23.00	1.169	-	-	0.08	0.538	0.629
	LTE Band 71	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	133322	683	22.28	23.00	1.180	-	-	0.08	0.512	0.604
	LTE Band 71	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	133322	683	23.18	24.00	1.208	-	-	0.03	0.283	0.342
	LTE Band 71	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	133322	683	22.19	23.00	1.205	-	-	0.02	0.235	0.283
66	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	133322	683	23.18	24.00	1.208	-	-	-0.05	0.705	0.852
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	133222	673	23.09	24.00	1.233	-	-	0.04	0.638	0.787
	LTE Band 71	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	133372	688	23.14	24.00	1.219	-	-	-0.01	0.677	0.825
	LTE Band 71	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	133322	683	22.19	23.00	1.205	-	-	-0.02	0.621	0.748
	LTE Band 71	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	133322	683	22.12	23.00	1.225	-	-	-0.03	0.613	0.751
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23095	707.5	23.05	24.00	1.245	-	-	0.03	0.548	0.682
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23095	707.5	22.02	23.00	1.253	-	-	-0.14	0.465	0.583
67	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	23.05	24.00	1.245	-	-	0.01	0.896	1.115
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23060	704	22.99	24.00	1.262	-	-	-0.05	0.822	1.037
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23130	711	22.91	24.00	1.285	-	-	0.11	0.838	1.077
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	22.02	23.00	1.253	-	-	0.07	0.730	0.915
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	23095	707.5	21.96	23.00	1.271	-	-	-0.15	0.730	0.928
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	23095	707.5	22.16	23.00	1.213	-	-	0.01	0.320	0.388
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECI 3	23095	707.5	21.88	23.00	1.294	-	-	0.14	0.254	0.329
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	23095	707.5	22.16	23.00	1.213	-	-	-0.01	0.641	0.778
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	23060	704	22.10	23.00	1.230	-	-	-0.05	0.621	0.764
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	23130	711	22.08	23.00	1.236	-	-	0.04	0.609	0.753
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	ECI 3	23095	707.5	21.88	23.00	1.294	-	-	0.02	0.599	0.775
	LTE Band 12	10M	QPSK	1	0	-	Front	19mm	Ant 1	-	ECI 4	23095	707.5	23.10	24.00	1.230	-	-	-0.02	0.173	0.213
	LTE Band 12	10M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	23095	707.5	23.10	24.00	1.230	-	-	0.14	0.183	0.225
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	23.05	24.00	1.245	-	-	0.03	0.750	0.933
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	21.91	23.00	1.285	-	-	0.08	0.626	0.805
	LTE Band 13	10M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	23230	782	22.05	23.00	1.245	-	-	0.04	0.624	0.777
68	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	23.05	24.00	1.245	-	-	-0.09	1.080	1.344
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	23230	782	23.05	24.00	1.245	-	-	0.01	0.971	1.208
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	21.91	23.00	1.285	-	-	0.15	0.907	1.166
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	23230	782	22.05	23.00	1.245	-	-	0.18	0.910	1.133
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	23230	782	23.39	24.00	1.151	-	-	-0.16	0.441	0.508
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECI 3	23230	782	22.47	23.00	1.130	-	-	0.06	0.352	0.398
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	23230	782	23.39	24.00	1.151	-	-	0.08	0.688	0.792
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	ECI 3	23230	782	22.47	23.00	1.130	-	-	0.03	0.591	0.668
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	23330	793	22.41	23.50	1.285	-	-	-0.17	0.714	0.918
	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	23330	793	21.78	23.00	1.324	-	-	-0.01	0.634	0.840
	LTE Band 14	10M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	23330	793	21.79	23.00	1.321	-	-	-0.16	0.633	0.836
69	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	23330	793	22.41	23.50	1.285	-	-	0.01	1.060	1.362
	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	23330	793	22.41	23.50	1.285	-	-	0.11	0.916	1.177
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	23330	793	21.78	23.00	1.324	-	-	0.06	0.807	1.069
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	23330	793	21.79	23.00	1.321	-	-	0.02	0.801	1.058
	LTE Band 14	10M	QPSK	1	0	-	Front	19mm	Ant 0	-	ECI 4	23330	793	22.84	24.00	1.306	-	-	0.13	0.298	0.389
	LTE Band 14	10M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	23330	793	22.84	24.00	1.306	-	-	-0.02	0.308	0.402
	LTE Band 14	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	23330	793	22.97	24.00	1.268	-	-	-0.15	0.518	0.657



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	LTE Band 14	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECI 3	23330	793	21.83	23.00	1.309	-	-	0.11	0.442	0.579
	LTE Band 14	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	23330	793	22.97	24.00	1.268	-	-	0.05	0.773	0.980
	LTE Band 14	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	ECI 3	23330	793	21.83	23.00	1.309	-	-	0.04	0.663	0.868
	LTE Band 14	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	23330	793	21.78	23.00	1.324	-	-	0.11	0.631	0.836
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	136100	680.5	23.25	24.00	1.189	-	-	0.02	0.317	0.377
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	136100	680.5	23.21	24.00	1.199	-	-	0.19	0.330	0.396
70	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	136100	680.5	23.25	24.00	1.189	-	-	0.05	0.471	0.560
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	134600	673	23.14	24.00	1.219	-	-	0.08	0.455	0.555
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	137600	688	22.96	24.00	1.271	-	-	0.1	0.431	0.548
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	136100	680.5	23.21	24.00	1.199	-	-	0.03	0.449	0.539
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	136100	680.5	23.16	24.00	1.213	-	-	-0.1	0.159	0.193
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	136100	680.5	23.03	24.00	1.250	-	-	-0.05	0.185	0.231
	FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	136100	680.5	23.16	24.00	1.213	-	-	-0.12	0.329	0.399
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	136100	680.5	23.03	24.00	1.250	-	-	-0.09	0.406	0.508
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	134600	673	23.01	24.00	1.256	-	-	0.04	0.371	0.466
	FR1 n71	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	137600	688	22.90	24.00	1.288	-	-	0.08	0.370	0.477
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	141500	707.5	23.07	24.00	1.239	-	-	-0.08	0.359	0.445
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	141500	707.5	22.89	24.00	1.291	-	-	0.06	0.381	0.492
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	141500	707.5	23.07	24.00	1.239	-	-	0.06	0.536	0.664
71	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	141500	707.5	22.89	24.00	1.291	-	-	0.02	0.554	0.715
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	141300	706.5	22.82	24.00	1.312	-	-	0.04	0.511	0.671
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	141700	708.5	22.64	24.00	1.368	-	-	-0.07	0.504	0.689
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	141500	707.5	23.17	24.00	1.211	-	-	0.02	0.202	0.245
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	141500	707.5	23.07	24.00	1.239	-	-	0.05	0.215	0.266
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	141500	707.5	23.17	24.00	1.211	-	-	-0.05	0.458	0.554
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	141300	706.5	23.12	24.00	1.225	-	-	0.06	0.414	0.507
	FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	141700	708.5	23.00	24.00	1.259	-	-	-0.04	0.428	0.539
	FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	141500	707.5	23.07	24.00	1.239	-	-	-0.05	0.369	0.457
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	158600	793	23.33	24.00	1.167	-	-	-0.17	0.449	0.524
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	158600	793	23.29	24.00	1.178	-	-	0.07	0.414	0.488
72	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	158600	793	23.33	24.00	1.167	-	-	0.04	0.660	0.770
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	158600	793	23.29	24.00	1.178	-	-	-0.13	0.636	0.749
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	158600	793	22.94	24.00	1.276	-	-	-0.06	0.191	0.244
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	158600	793	22.85	24.00	1.303	-	-	0.18	0.205	0.267
	FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	158600	793	22.94	24.00	1.276	-	-	-0.04	0.415	0.530
	FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	158600	793	22.85	24.00	1.303	-	-	-0.09	0.446	0.581
835MHz																					
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	189	836.4	24.94	26.00	1.276	-	-	0.01	0.490	0.625
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	189	836.4	24.94	26.00	1.276	-	-	0.05	0.862	1.100
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	128	824.2	24.87	26.00	1.297	-	-	0.02	0.764	0.991
73	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	251	848.8	24.90	26.00	1.288	-	-	-0.03	0.983	1.266
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	Headset	ECI 3	251	848.8	24.90	26.00	1.288	-	-	0.01	0.933	1.202
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	19mm	Ant 0	-	ECI 4	189	836.4	28.17	29.50	1.358	-	-	-0.05	0.062	0.084
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	17mm	Ant 0	-	ECI 4	189	836.4	28.17	29.50	1.358	-	-	0.19	0.074	0.101
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	4182	836.4	21.32	22.50	1.312	-	-	0.08	0.599	0.786
74	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4182	836.4	21.32	22.50	1.312	-	-	0.01	0.919	1.206
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	ECI 3	4182	836.4	21.32	22.50	1.312	-	-	0.04	0.871	1.143
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4132	826.4	21.23	22.50	1.340	-	-	0.11	0.857	1.148
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	4233	846.6	21.29	22.50	1.321	-	-	-0.05	0.866	1.144
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	19mm	Ant 0	-	ECI 4	4182	836.4	22.75	24.00	1.334	-	-	0.06	0.061	0.081
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	17mm	Ant 0	-	ECI 4	4182	836.4	22.75	24.00	1.334	-	-	0.08	0.071	0.095
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26865	831.5	21.63	22.50	1.222	-	-	-0.03	0.582	0.711
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	-	ECI 3	26865	831.5	21.60	22.50	1.230	-	-	0.01	0.528	0.650
75	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	21.63	22.50	1.222	-	-	-0.02	0.859	1.050
	LTE Band 5B	10M	QPSK	1	49	-	Back	5mm	Ant 0	-	ECI 3	20476+20575	831.6+841.5	21.44	22.50	1.276	-	-	0.03	0.812	1.036
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	21.60	22.50	1.230	-	-	0.12	0.805	0.990



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	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	-	ECI 3	26865	831.5	21.55	22.50	1.245	-	-	-0.04	0.813	1.012
	LTE Band 26	15M	QPSK	1	0	-	Front	19mm	Ant 0	-	ECI 4	26865	831.5	23.09	24.00	1.233	-	-	0.18	0.221	0.273
	LTE Band 26	15M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	26865	831.5	23.09	24.00	1.233	-	-	0.08	0.263	0.324
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	26865	831.5	21.52	22.50	1.253	-	-	0.06	0.485	0.608
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 1	-	ECI 3	26865	831.5	21.49	22.50	1.262	-	-	-0.01	0.430	0.543
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26865	831.5	21.52	22.50	1.253	-	-	-0.07	0.723	0.906
	LTE Band 5B	10M	QPSK	1	49	-	Back	5mm	Ant 1	-	ECI 3	20476+20575	831.6+841.5	21.12	22.50	1.374	-	-	0.01	0.657	0.903
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 1	-	ECI 3	26865	831.5	21.49	22.50	1.262	-	-	-0.08	0.636	0.803
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 1	-	ECI 3	26865	831.5	21.46	22.50	1.271	-	-	-0.12	0.636	0.808
	LTE Band 26	15M	QPSK	1	0	-	Front	19mm	Ant 1	-	ECI 4	26865	831.5	22.93	24.00	1.279	-	-	-0.06	0.042	0.054
	LTE Band 26	15M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	26865	831.5	22.93	24.00	1.279	-	-	0.06	0.045	0.058
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	166300	831.5	23.16	24.00	1.213	-	-	0.18	0.521	0.632
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	166300	831.5	23.00	24.00	1.259	-	-	0.03	0.521	0.656
76	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	166300	831.5	23.16	24.00	1.213	-	-	0.03	0.779	0.945
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	164800	824	23.07	24.00	1.239	-	-	0.06	0.721	0.893
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	167800	839	23.05	24.00	1.245	-	-	-0.01	0.704	0.876
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	166300	831.5	23.00	24.00	1.259	-	-	0.09	0.721	0.908
	FR1 n26	20M	QPSK	100	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	166300	831.5	21.94	23.00	1.276	-	-	0.15	0.579	0.739
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	166300	831.5	23.10	24.00	1.230	-	-	-0.16	0.354	0.436
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	166300	831.5	23.07	24.00	1.239	-	-	0.11	0.345	0.427
	FR1 n26	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	166300	831.5	23.10	24.00	1.230	-	-	0.06	0.590	0.726
	FR1 n26	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	166300	831.5	23.07	24.00	1.239	-	-	0.03	0.615	0.762
1750MHz																					
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1413	1732.6	17.38	18.00	1.153	-	-	0.07	0.765	0.882
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1312	1712.4	17.22	18.00	1.197	-	-	0.05	0.721	0.863
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	1513	1752.6	17.34	18.00	1.164	-	-	0.08	0.709	0.825
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1413	1732.6	17.38	18.00	1.153	-	-	0.03	0.872	1.006
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1312	1712.4	17.22	18.00	1.197	-	-	0.03	0.872	1.044
77	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	1513	1752.6	17.34	18.00	1.164	-	-	0.05	1.010	1.176
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	19mm	Ant 0	-	ECI 4	1413	1732.6	23.32	24.00	1.169	-	-	0.06	0.160	0.187
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	17mm	Ant 0	-	ECI 4	1413	1732.6	23.32	24.00	1.169	-	-	-0.05	0.278	0.325
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	17.31	18.00	1.172	-	-	0.03	0.856	1.003
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132072	1720	17.23	18.00	1.194	-	-	0.03	0.819	0.978
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	132572	1770	17.30	18.00	1.175	-	-	0.01	0.860	1.010
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	17.29	18.00	1.178	-	-	0.05	0.795	0.936
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132072	1720	17.16	18.00	1.213	-	-	0.08	0.761	0.923
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	132572	1770	17.08	18.00	1.236	-	-	0.1	0.791	0.978
	LTE Band 66	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	132322	1745	17.20	18.00	1.202	-	-	-0.06	0.789	0.949
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	17.31	18.00	1.172	-	-	-0.12	0.988	1.158
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132072	1720	17.23	18.00	1.194	-	-	-0.1	0.925	1.104
78	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132572	1770	17.30	18.00	1.175	-	-	0.01	0.992	1.165
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	132572+132374	1770+1750.2	17.25	18.00	1.189	-	-	0.06	0.977	1.161
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	17.29	18.00	1.178	-	-	-0.18	0.806	0.949
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132072	1720	17.16	18.00	1.213	-	-	0.13	0.752	0.912
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	132572	1770	17.08	18.00	1.236	-	-	0.09	0.806	0.996
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	132322	1745	17.20	18.00	1.202	-	-	0.14	0.891	1.071
	LTE Band 66	20M	QPSK	1	0	-	Front	19mm	Ant 0	-	ECI 4	132322	1745	23.26	24.00	1.186	-	-	0.03	0.275	0.326
	LTE Band 66	20M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	132322	1745	23.26	24.00	1.186	-	-	-0.1	0.452	0.536
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	132322	1745	17.08	18.00	1.236	-	-	0.02	0.578	0.714
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	132322	1745	16.99	18.00	1.262	-	-	-0.04	0.454	0.573
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	17.08	18.00	1.236	-	-	0.06	0.672	0.831
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132072	1720	16.97	18.00	1.268	-	-	0.04	0.664	0.842
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132572	1770	16.93	18.00	1.279	-	-	-0.01	0.743	0.951
	LTE Band 66C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	132572+132374	1770+1750.2	16.86	18.00	1.300	-	-	0.09	0.715	0.930
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	16.99	18.00	1.262	-	-	0.02	0.617	0.779
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	132322	1745	16.91	18.00	1.285	-	-	0.09	0.512	0.658



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	LTE Band 66	20M	QPSK	1	0	-	Front	19mm	Ant 1	-	ECI 4	132322	1745	23.09	24.00	1.233	-	-	0.04	0.114	0.141
	LTE Band 66	20M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	132322	1745	23.09	24.00	1.233	-	-	0.13	0.259	0.319
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	19.31	20.00	1.172	-	-	0.06	0.724	0.849
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	19.26	20.00	1.186	-	-	0.06	0.643	0.762
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	349000	1745	19.22	20.00	1.197	-	-	0.18	0.689	0.825
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	19.31	20.00	1.172	-	-	-0.06	0.890	1.043
79	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	19.26	20.00	1.186	-	-	0.02	0.963	1.142
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	346000	1730	19.21	20.00	1.199	-	-	0.04	0.940	1.128
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	352000	1760	19.22	20.00	1.197	-	-	-0.01	0.938	1.123
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	349000	1745	19.22	20.00	1.197	-	-	0.02	0.851	1.018
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	-	ECI 4	349000	1745	23.24	24.00	1.191	-	-	0.08	0.235	0.280
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	349000	1745	23.24	24.00	1.191	-	-	0.11	0.381	0.454
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	349000	1745	23.18	24.00	1.208	-	-	-0.12	0.406	0.490
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	349000	1745	20.24	21.00	1.191	-	-	0.11	0.509	0.606
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	349000	1745	20.20	21.00	1.202	-	-	0.1	0.480	0.577
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	349000	1745	20.24	21.00	1.191	-	-	-0.07	0.742	0.884
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	346000	1730	20.17	21.00	1.211	-	-	0.05	0.711	0.861
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	352000	1760	20.21	21.00	1.199	-	-	-0.07	0.727	0.872
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	349000	1745	20.20	21.00	1.202	-	-	0.05	0.623	0.749
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	349000	1745	20.14	21.00	1.219	-	-	0.13	0.710	0.865
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 1	-	ECI 4	349000	1745	23.35	24.00	1.161	-	-	0.03	0.090	0.105
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	349000	1745	23.35	24.00	1.161	-	-	0.07	0.224	0.260
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	340500	1702.5	20.42	21.00	1.143	-	-	0.19	0.743	0.849
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	340500	1702.5	20.39	21.00	1.151	-	-	0.08	0.711	0.818
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	340500	1702.5	20.34	21.00	1.164	-	-	-0.16	0.592	0.689
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	340500	1702.5	20.42	21.00	1.143	-	-	0.07	0.904	1.033
80	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	340500	1702.5	20.39	21.00	1.151	-	-	0.06	0.954	1.098
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	340500	1702.5	20.34	21.00	1.164	-	-	0.06	0.861	1.002
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	-	ECI 4	340500	1702.5	23.28	24.00	1.180	-	-	-0.16	0.219	0.258
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	340500	1702.5	23.28	24.00	1.180	-	-	0.07	0.365	0.431
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	340500	1702.5	23.22	24.00	1.197	-	-	0.02	0.380	0.455
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	340500	1702.5	20.62	21.50	1.225	-	-	0.05	0.412	0.505
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	340500	1702.5	20.57	21.50	1.239	-	-	0.05	0.407	0.504
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	340500	1702.5	20.62	21.50	1.225	-	-	0.06	0.718	0.879
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	340500	1702.5	20.57	21.50	1.239	-	-	-0.04	0.741	0.918
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	340500	1702.5	20.50	21.50	1.259	-	-	0.19	0.688	0.866
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 1	-	ECI 4	340500	1702.5	23.13	24.00	1.222	-	-	0.05	0.072	0.088
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	340500	1702.5	23.13	24.00	1.222	-	-	-0.02	0.167	0.204
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	340500	1702.5	23.07	24.00	1.239	-	-	-0.17	0.202	0.250
1900MHz																					
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	661	1880	18.44	19.00	1.138	-	-	-0.13	0.822	0.935
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	512	1850.2	18.36	19.00	1.159	-	-	0.06	0.747	0.866
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	ECI 3	810	1909.8	18.33	19.00	1.167	-	-	0.03	0.852	0.994
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	661	1880	18.44	19.00	1.138	-	-	0.08	0.857	0.975
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	512	1850.2	18.36	19.00	1.159	-	-	0.07	0.822	0.953
81	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	ECI 3	810	1909.8	18.33	19.00	1.167	-	-	0.01	0.962	1.122
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	19mm	Ant 0	-	ECI 4	661	1880	25.68	26.50	1.208	-	-	0.11	0.175	0.211
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	17mm	Ant 0	-	ECI 4	661	1880	25.68	26.50	1.208	-	-	0.16	0.275	0.332
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	ECI 3	9400	1880	15.97	16.50	1.130	-	-	0.02	0.629	0.711
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9400	1880	15.97	16.50	1.130	-	-	0.07	0.806	0.911
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9262	1852.4	15.88	16.50	1.153	-	-	0.07	0.860	0.992
82	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	ECI 3	9538	1907.6	15.91	16.50	1.146	-	-	0.02	0.906	1.038
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	19mm	Ant 0	-	ECI 4	9400	1880	23.45	24.00	1.135	-	-	0.08	0.231	0.262
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	17mm	Ant 0	-	ECI 4	9400	1880	23.45	24.00	1.135	-	-	0.08	0.385	0.437
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26340	1880	16.24	17.00	1.191	-	-	-0.09	0.834	0.993
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26140	1860	16.11	17.00	1.227	-	-	0.05	0.786	0.965



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	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	26590	1905	16.20	17.00	1.202	-	-	0.01	0.821	0.987
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	26340	1880	16.16	17.00	1.213	-	-	-0.13	0.748	0.908
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	26140	1860	16.05	17.00	1.245	-	-	-0.11	0.820	1.021
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	26590	1905	16.11	17.00	1.227	-	-	0.05	0.747	0.917
	LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	26340	1880	16.07	17.00	1.239	-	-	0.03	0.748	0.927
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26340	1880	16.24	17.00	1.191	-	-	0.14	0.981	1.169
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26140	1860	16.11	17.00	1.227	-	-	0.05	0.908	1.115
83	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	26590	1905	16.20	17.00	1.202	-	-	0.02	0.998	1.200
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	26590	1905	16.20	17.00	1.202	-	-	0.04	0.961	1.155
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	26340	1880	16.16	17.00	1.213	-	-	0.14	0.932	1.131
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	26140	1860	16.05	17.00	1.245	-	-	-0.11	0.887	1.104
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	26590	1905	16.11	17.00	1.227	-	-	-0.01	0.840	1.031
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	26340	1880	16.07	17.00	1.239	-	-	-0.02	0.832	1.031
	LTE Band 25	20M	QPSK	1	0	-	Front	19mm	Ant 0	-	ECI 4	26340	1880	23.18	24.00	1.208	-	-	0.08	0.521	0.629
	LTE Band 25	20M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	26340	1880	23.18	24.00	1.208	-	-	0.03	0.884	1.068
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	26340	1880	16.81	17.50	1.172	-	-	0.03	0.591	0.693
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	26340	1880	16.78	17.50	1.180	-	-	-0.08	0.507	0.598
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26340	1880	16.81	17.50	1.172	-	-	0.07	0.658	0.771
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26140	1860	16.75	17.50	1.189	-	-	0.07	0.644	0.765
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26590	1905	16.70	17.50	1.202	-	-	0.08	0.631	0.759
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	26340	1880	16.78	17.50	1.180	-	-	0.08	0.340	0.401
	LTE Band 25	20M	QPSK	1	0	-	Front	19mm	Ant 1	-	ECI 4	26340	1860	23.13	24.00	1.222	-	-	-0.17	0.488	0.596
	LTE Band 25	20M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	26340	1860	23.13	24.00	1.222	-	-	0.02	0.623	0.761
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376500	1882.5	18.45	19.00	1.135	-	-	0.04	0.792	0.899
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376500	1882.5	18.41	19.00	1.146	-	-	0.05	0.773	0.885
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	376500	1882.5	18.36	19.00	1.159	-	-	0.13	0.677	0.784
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376500	1882.5	18.45	19.00	1.135	-	-	0.02	0.936	1.062
84	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376500	1882.5	18.41	19.00	1.146	-	-	-0.03	1.010	1.157
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	374000	1870	18.34	19.00	1.164	-	-	0.05	0.911	1.061
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	379000	1895	18.33	19.00	1.167	-	-	-0.06	0.949	1.107
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	376500	1882.5	18.36	19.00	1.159	-	-	-0.17	0.821	0.951
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	-	ECI 4	376500	1882.5	23.34	24.00	1.164	-	-	0.13	0.279	0.325
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	376500	1882.5	23.34	24.00	1.164	-	-	0.05	0.511	0.595
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	376500	1882.5	23.12	24.00	1.225	-	-	-0.06	0.518	0.634
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376500	1882.5	18.07	19.00	1.239	-	-	0.03	0.387	0.479
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376500	1882.5	18.02	19.00	1.253	-	-	0.02	0.382	0.479
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376500	1882.5	18.07	19.00	1.239	-	-	0.02	0.586	0.726
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376500	1882.5	18.02	19.00	1.253	-	-	-0.02	0.602	0.754
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	374000	1870	17.98	19.00	1.265	-	-	0.11	0.577	0.730
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	379000	1895	17.92	19.00	1.282	-	-	-0.06	0.533	0.683
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 1	-	ECI 4	376500	1882.5	23.15	24.00	1.216	-	-	-0.08	0.169	0.206
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	376500	1882.5	23.15	24.00	1.216	-	-	-0.07	0.348	0.423
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	376500	1882.5	23.12	24.00	1.225	-	-	0.01	0.356	0.436
2300Mhz																					
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	27710	2310	16.95	18.00	1.274	-	-	0.03	0.781	0.995
	LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	ECI 3	27710	2310	16.91	18.00	1.285	-	-	0.03	0.709	0.911
	LTE Band 30	10M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	27710	2310	16.86	18.00	1.300	-	-	-0.12	0.715	0.930
85	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	27710	2310	16.95	18.00	1.274	-	-	0.03	0.939	1.196
	LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	ECI 3	27710	2310	16.91	18.00	1.285	-	-	-0.09	0.895	1.150
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	27710	2310	16.86	18.00	1.300	-	-	0.05	0.833	1.083
	LTE Band 30	10M	QPSK	1	0	-	Front	19mm	Ant 0	-	ECI 4	27710	2310	23.02	24.00	1.253	-	-	-0.06	0.296	0.371
	LTE Band 30	10M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	27710	2310	23.02	24.00	1.253	-	-	0.09	0.713	0.893
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	27710	2310	16.03	17.00	1.250	-	-	-0.09	0.664	0.830
	LTE Band 30	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	ECI 3	27710	2310	15.90	17.00	1.288	-	-	0.08	0.638	0.822
	LTE Band 30	10M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	27710	2310	15.91	17.00	1.285	-	-	-0.14	0.644	0.828
	LTE Band 30	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	27710	2310	16.03	17.00	1.250	-	-	-0.05	0.726	0.908



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	LTE Band 30	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	ECI 3	27710	2310	15.90	17.00	1.288	-	-	0.16	0.679	0.875
	LTE Band 30	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	27710	2310	15.91	17.00	1.285	-	-	0.06	0.677	0.870
	LTE Band 30	10M	QPSK	1	0	-	Front	19mm	Ant 1	-	ECI 4	27710	2310	22.96	24.00	1.271	-	-	0.09	0.344	0.437
	LTE Band 30	10M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	27710	2310	22.96	24.00	1.271	-	-	-0.06	0.580	0.737
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	462000	2310	18.93	19.50	1.140	-	-	-0.04	0.770	0.878
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	462000	2310	18.87	19.50	1.156	-	-	-0.09	0.728	0.842
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	462000	2310	18.82	19.50	1.169	-	-	-0.1	0.616	0.720
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	462000	2310	18.93	19.50	1.140	-	-	0.07	0.856	0.976
86	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	462000	2310	18.87	19.50	1.156	-	-	0.09	1.010	1.168
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	462000	2310	18.82	19.50	1.169	-	-	0.03	0.736	0.861
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	-	ECI 4	462000	2310	23.49	24.00	1.125	-	-	-0.17	0.213	0.240
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	462000	2310	23.49	24.00	1.125	-	-	0.06	0.392	0.441
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	462000	2310	23.42	24.00	1.143	-	-	0.01	0.419	0.479
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	462000	2310	18.30	19.00	1.175	-	-	-0.1	0.454	0.533
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	462000	2310	18.27	19.00	1.183	-	-	-0.04	0.425	0.503
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	462000	2310	18.30	19.00	1.175	-	-	-0.13	0.669	0.786
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	462000	2310	18.27	19.00	1.183	-	-	-0.09	0.716	0.847
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	462000	2310	18.21	19.00	1.199	-	-	-0.01	0.644	0.772
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 1	-	ECI 4	462000	2310	23.32	24.00	1.169	-	-	0.03	0.212	0.248
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	462000	2310	23.32	24.00	1.169	-	-	-0.12	0.376	0.440
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	462000	2310	23.25	24.00	1.189	-	-	0.18	0.366	0.435
2600Mhz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	21100	2535	17.03	18.00	1.250	-	-	0.13	0.767	0.959
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	20850	2510	16.96	18.00	1.271	-	-	-0.19	0.792	1.006
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	21350	2560	17.00	18.00	1.259	-	-	-0.03	0.777	0.978
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	21100	2535	16.97	18.00	1.268	-	-	0.07	0.742	0.941
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	20850	2510	16.90	18.00	1.288	-	-	0.02	0.677	0.872
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	21350	2560	16.91	18.00	1.285	-	-	-0.04	0.692	0.889
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 0	-	ECI 3	21100	2535	16.94	18.00	1.276	-	-	-0.05	0.645	0.823
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	17.03	18.00	1.250	-	-	-0.11	1.048	1.310
87	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	20850	2510	16.96	18.00	1.271	-	-	0.03	1.070	1.360
	LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	20850+21048	2510+2529.8	16.82	18.00	1.312	-	-	0.09	0.987	1.295
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	ECI 3	20850	2510	16.96	18.00	1.271	-	-	0.06	0.971	1.234
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	21350	2560	17.00	18.00	1.259	-	-	0.02	1.046	1.317
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	16.97	18.00	1.268	-	-	-0.09	0.869	1.102
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	20850	2510	16.90	18.00	1.288	-	-	0.03	0.869	1.119
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	21350	2560	16.91	18.00	1.285	-	-	-0.11	0.859	1.104
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	21100	2535	16.94	18.00	1.276	-	-	0.02	0.862	1.100
	LTE Band 7	20M	QPSK	1	0	-	Front	19mm	Ant 0	-	ECI 4	21100	2535	22.97	24.00	1.268	-	-	0.17	0.221	0.280
	LTE Band 7	20M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	21100	2535	22.97	24.00	1.268	-	-	0.07	0.391	0.496
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	13.04	14.00	1.247	-	-	0.06	0.369	0.460
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	13.00	14.00	1.259	-	-	-0.09	0.292	0.368
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	13.04	14.00	1.247	-	-	-0.04	0.670	0.836
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	12.94	14.00	1.276	-	-	0.04	0.669	0.854
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21350	2560	12.97	14.00	1.268	-	-	-0.05	0.697	0.884
	LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21350+21152	2560+2540.2	12.88	14.00	1.294	-	-	0.01	0.681	0.881
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	13.00	14.00	1.259	-	-	-0.04	0.594	0.748
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	12.96	14.00	1.271	-	-	0.08	0.292	0.371
	LTE Band 7	20M	QPSK	1	0	-	Front	19mm	Ant 1	-	ECI 4	21100	2535	23.15	24.00	1.216	-	-	0.01	0.338	0.411
	LTE Band 7	20M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	21100	2535	23.15	24.00	1.216	-	-	0.09	0.778	0.946
	LTE Band 7C	20M	QPSK	1	99	-	Back	17mm	Ant 1	-	ECI 4	21100+21298	2535+2554.8	23.01	24.00	1.256	-	-	0.05	0.751	0.943
	LTE Band 7	20M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	20850	2510	23.10	24.00	1.230	-	-	0.01	0.751	0.924
	LTE Band 7	20M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	21350	2560	22.99	24.00	1.262	-	-	0.06	0.737	0.930
	LTE Band 7	20M	QPSK	100	0	-	Back	17mm	Ant 1	-	ECI 4	21100	2535	22.19	23.00	1.205	-	-	-0.05	0.763	0.919
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	20.57	21.40	1.211	62.9	1.006	0.16	0.464	0.565
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	ECI 3	40620	2593	20.48	21.40	1.236	62.9	1.006	0.08	0.304	0.378



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	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	20.57	21.40	1.211	62.9	1.006	0.01	0.683	0.832
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	39750	2506	20.29	21.40	1.291	62.9	1.006	-0.13	0.779	1.012
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40185	2549.5	20.35	21.40	1.274	62.9	1.006	0.06	0.793	1.016
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	40185+40383	2549.5+2569.3	20.18	21.40	1.324	62.9	1.006	0.03	0.751	1.001
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	41055	2636.5	20.31	21.40	1.285	62.9	1.006	-0.19	0.779	1.007
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	41490	2680	20.38	21.40	1.265	62.9	1.006	0.02	0.724	0.921
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	20.48	21.40	1.236	62.9	1.006	0.04	0.477	0.593
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	ECI 3	40620	2593	20.55	21.40	1.216	62.9	1.006	0.07	0.456	0.558
88	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	ECI 3	40185	2549.5	22.16	23.00	1.213	42.9	1.009	0.03	0.891	1.091
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	ECI 3	40185+40383	2549.5+2569.3	22.09	23.00	1.233	42.9	1.009	0.06	0.857	1.066
	LTE Band 41	20M	QPSK	1	0	-	Front	19mm	Ant 0	-	ECI 4	40620	2593	23.24	24.00	1.191	62.9	1.006	-0.09	0.118	0.141
	LTE Band 41	20M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	40620	2593	23.24	24.00	1.191	62.9	1.006	-0.04	0.185	0.222
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	17mm	Ant 0	-	ECI 4	40620	2593	26.46	27.00	1.132	42.9	1.009	-0.04	0.245	0.280
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	17.12	17.90	1.197	62.9	1.006	0.05	0.355	0.427
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	17.09	17.90	1.205	62.9	1.006	0.05	0.350	0.424
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	17.12	17.90	1.197	62.9	1.006	0.01	0.669	0.805
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	40620+40818	2593+2612.8	17.00	17.90	1.230	62.9	1.006	0.03	0.648	0.802
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	39750	2506	16.85	17.90	1.274	62.9	1.006	0.11	0.485	0.621
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40185	2549.5	17.08	17.90	1.208	62.9	1.006	0.05	0.643	0.781
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41055	2636.5	16.79	17.90	1.291	62.9	1.006	0.18	0.538	0.699
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41490	2680	16.79	17.90	1.291	62.9	1.006	0.07	0.432	0.561
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	17.09	17.90	1.205	62.9	1.006	-0.04	0.453	0.549
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	17.08	17.90	1.208	62.9	1.006	0.17	0.544	0.661
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	18.76	19.50	1.186	42.9	1.009	0.01	0.721	0.863
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	5mm	Ant 1	-	ECI 3	40620+40818	2593+2612.8	18.68	19.50	1.208	42.9	1.009	0.05	0.705	0.859
	LTE Band 41	20M	QPSK	1	0	-	Front	19mm	Ant 1	-	ECI 4	40620	2593	23.05	24.00	1.245	62.9	1.006	0.08	0.199	0.249
	LTE Band 41	20M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	40620	2593	23.05	24.00	1.245	62.9	1.006	-0.14	0.491	0.615
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	17mm	Ant 1	-	ECI 4	40620	2593	26.14	27.00	1.219	42.9	1.009	-0.12	0.618	0.760
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 3	40620	2593	22.85	24.00	1.303	62.9	1.006	-0.12	0.259	0.340
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 3	40620	2593	21.97	23.00	1.268	62.9	1.006	0.04	0.226	0.288
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	40620	2593	22.85	24.00	1.303	62.9	1.006	0.08	0.422	0.553
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	40620	2593	21.97	23.00	1.268	62.9	1.006	-0.16	0.370	0.472
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	40620	2593	25.82	27.00	1.312	42.9	1.009	0.04	0.542	0.718
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	39750	2506	25.51	27.00	1.409	42.9	1.009	0.05	0.481	0.684
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	40185	2549.5	25.68	27.00	1.355	42.9	1.009	0.05	0.492	0.673
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	41055	2636.5	25.68	27.00	1.355	42.9	1.009	-0.04	0.499	0.682
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	41490	2680	25.66	27.00	1.361	42.9	1.009	0.08	0.500	0.687
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 3	40620	2593	22.25	23.40	1.303	62.9	1.006	0.18	0.542	0.711
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 3	39750	2506	22.04	23.40	1.368	62.9	1.006	0.11	0.508	0.699
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 3	40185	2549.5	22.01	23.40	1.377	62.9	1.006	0.04	0.504	0.698
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 3	41055	2636.5	21.98	23.40	1.387	62.9	1.006	-0.05	0.509	0.710
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 6	-	ECI 3	41490	2680	22.03	23.40	1.371	62.9	1.006	0.09	0.498	0.687
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 3	40620	2593	21.55	23.00	1.396	62.9	1.006	0.15	0.459	0.645
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 3	39750	2506	21.46	23.00	1.426	62.9	1.006	0.05	0.409	0.587
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 3	40185	2549.5	21.38	23.00	1.452	62.9	1.006	0.05	0.420	0.614
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 3	41055	2636.5	21.52	23.00	1.406	62.9	1.006	-0.04	0.429	0.607
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 6	-	ECI 3	41490	2680	21.44	23.00	1.432	62.9	1.006	0.11	0.416	0.599
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 6	-	ECI 3	40620	2593	21.52	23.00	1.406	62.9	1.006	0.09	0.421	0.595
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	ECI 3	40620	2593	22.25	23.40	1.303	62.9	1.006	-0.05	0.648	0.850
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	ECI 3	39750	2506	22.04	23.40	1.368	62.9	1.006	0.01	0.609	0.838
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	ECI 3	40185	2549.5	22.01	23.40	1.377	62.9	1.006	0.08	0.611	0.847
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	ECI 3	41055	2636.5	21.98	23.40	1.387	62.9	1.006	-0.08	0.602	0.840
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	ECI 3	41490	2680	22.03	23.40	1.371	62.9	1.006	0.07	0.612	0.844
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	ECI 3	40620	2593	21.55	23.00	1.396	62.9	1.006	0.06	0.559	0.785
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	ECI 3	39750	2506	21.46	23.00	1.426	62.9	1.006	0.05	0.533	0.764
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	ECI 3	40185	2549.5	21.38	23.00	1.452	62.9	1.006	0.09	0.509	0.744



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	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	ECI 3	41055	2636.5	21.52	23.00	1.406	62.9	1.006	-0.05	0.515	0.728
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 6	-	ECI 3	41490	2680	21.44	23.00	1.432	62.9	1.006	0.08	0.541	0.779
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 6	-	ECI 3	40620	2593	21.52	23.00	1.406	62.9	1.006	0.07	0.530	0.750
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	5mm	Ant 6	-	ECI 3	40620	2593	23.75	25.00	1.334	42.9	1.009	-0.02	0.668	0.899
	LTE Band 41	20M	QPSK	1	0	-	Front	19mm	Ant 6	-	ECI 4	40620	2593	22.67	24.00	1.358	62.9	1.006	0.06	0.084	0.115
	LTE Band 41	20M	QPSK	1	0	-	Back	17mm	Ant 6	-	ECI 4	40620	2593	22.67	24.00	1.358	62.9	1.006	0.07	0.103	0.141
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	17mm	Ant 6	-	ECI 4	40620	2593	25.45	27.00	1.429	42.9	1.009	0.11	0.141	0.203
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	507000	2535	18.55	19.50	1.245	-	-	0.02	0.775	0.964
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	507000	2535	18.48	19.50	1.265	-	-	0.08	0.746	0.943
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 0	-	ECI 3	507000	2535	18.43	19.50	1.279	-	-	0.09	0.623	0.797
89	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	18.55	19.50	1.245	-	-	0.08	1.050	1.307
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	Headset	ECI 3	507000	2535	18.55	19.50	1.245	-	-	0.11	0.934	1.162
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	505000	2525	18.48	19.50	1.265	-	-	0.05	0.949	1.200
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	509000	2545	18.44	19.50	1.276	-	-	0.07	0.961	1.227
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	18.48	19.50	1.265	-	-	0.03	1.002	1.267
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 0	-	ECI 3	507000	2535	18.43	19.50	1.279	-	-	0.01	0.783	1.002
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	-	ECI 4	507000	2535	22.98	24.00	1.265	-	-	-0.06	0.161	0.204
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 0	-	ECI 4	507000	2535	22.98	24.00	1.265	-	-	0.03	0.300	0.379
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	15.91	16.50	1.146	-	-	-0.04	0.270	0.309
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	15.84	16.50	1.164	-	-	-0.09	0.326	0.380
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	15.91	16.50	1.146	-	-	-0.18	0.557	0.638
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	15.84	16.50	1.164	-	-	-0.06	0.716	0.834
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	505000	2525	15.73	16.50	1.194	-	-	0.07	0.688	0.821
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	509000	2545	15.74	16.50	1.191	-	-	-0.05	0.627	0.747
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	15.77	16.50	1.183	-	-	0.16	0.534	0.632
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 1	-	ECI 4	507000	2535	23.48	24.00	1.127	-	-	-0.1	0.188	0.212
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	19mm	Ant 1	-	ECI 4	507000	2535	23.42	24.00	1.143	-	-	-0.03	0.263	0.301
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	507000	2535	23.48	24.00	1.127	-	-	0.11	0.474	0.534
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	17mm	Ant 1	-	ECI 4	507000	2535	23.42	24.00	1.143	-	-	0.07	0.652	0.745
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	518598	2592.99	19.07	20.00	1.239	-	-	0.02	0.838	1.038
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	518598	2592.99	18.99	20.00	1.262	-	-	-0.04	0.803	1.013
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	518598	2592.99	18.95	20.00	1.274	-	-	0.13	0.795	1.012
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	19.07	20.00	1.239	-	-	-0.08	0.988	1.224
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	Headset	ECI 3	518598	2592.99	19.07	20.00	1.239	-	-	-0.04	0.947	1.173
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	18.99	20.00	1.262	-	-	0.08	0.965	1.218
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	18.95	20.00	1.274	-	-	0.06	0.875	1.114
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 0	-	ECI 4	518598	2592.99	25.97	27.00	1.268	-	-	-0.04	0.229	0.290
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 0	-	ECI 4	518598	2592.99	25.97	27.00	1.268	-	-	-0.03	0.372	0.472
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	16.03	17.00	1.250	-	-	0.16	0.415	0.519
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	15.87	17.00	1.297	-	-	-0.01	0.437	0.567
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	16.03	17.00	1.250	-	-	-0.02	0.814	1.018
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	15.87	17.00	1.297	-	-	0.06	0.775	1.005
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	15.83	17.00	1.309	-	-	-0.05	0.613	0.803
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 1	-	ECI 4	518598	2592.99	26.06	27.00	1.242	-	-	-0.03	0.405	0.503
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	19mm	Ant 1	-	ECI 4	518598	2592.99	26.00	27.00	1.259	-	-	0.01	0.359	0.452
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 1	-	ECI 4	518598	2592.99	26.06	27.00	1.242	-	-	-0.05	0.933	1.158
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 1	-	ECI 4	518598	2592.99	26.00	27.00	1.259	-	-	0.01	0.911	1.147
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	17mm	Ant 1	-	ECI 4	518598	2592.99	25.23	26.00	1.194	-	-	0.09	0.892	1.065
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	518598	2592.99	24.55	26.00	1.396	-	-	0.08	0.440	0.614
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	518598	2592.99	24.52	26.00	1.406	-	-	0.14	0.501	0.704
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	24.55	26.00	1.396	-	-	0.04	0.689	0.962
90	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	24.52	26.00	1.406	-	-	-0.06	0.897	1.261
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	Headset	ECI 3	518598	2592.99	24.52	26.00	1.406	-	-	0.05	0.833	1.171
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	24.48	26.00	1.419	-	-	0.08	0.854	1.212
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 2	-	ECI 4	518598	2592.99	25.53	27.00	1.403	-	-	0.03	0.039	0.055
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	19mm	Ant 2	-	ECI 4	518598	2592.99	25.50	27.00	1.413	-	-	0.01	0.063	0.089



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	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	518598	2592.99	25.53	27.00	1.403	-	-	0.08	0.085	0.119
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	518598	2592.99	25.50	27.00	1.413	-	-	0.02	0.127	0.179
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	518598	2592.99	19.92	21.00	1.282	-	-	0.05	0.651	0.835
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	518598	2592.99	19.90	21.00	1.288	-	-	0.03	0.590	0.760
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 6	-	ECI 3	518598	2592.99	19.73	21.00	1.340	-	-	0.08	0.577	0.773
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	518598	2592.99	19.92	21.00	1.282	-	-	-0.06	0.533	0.683
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	518598	2592.99	19.90	21.00	1.288	-	-	0.02	0.756	0.974
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 6	-	ECI 3	518598	2592.99	19.73	21.00	1.340	-	-	0.08	0.687	0.920
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 6	-	ECI 3	518598	2592.99	25.75	27.00	1.334	-	-	0.06	0.205	0.273
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 6	-	ECI 3	518598	2592.99	25.75	27.00	1.334	-	-	0.08	0.361	0.481
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 6	-	ECI 3	518598	2592.99	25.71	27.00	1.346	-	-	0.05	0.392	0.528
3500MHz																					
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	55830	3609	18.29	19.00	1.178	62.9	1.006	-0.13	0.411	0.487
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	55830	3609	18.21	19.00	1.199	62.9	1.006	0.06	0.399	0.481
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	55830	3609	18.29	19.00	1.178	62.9	1.006	0.03	0.664	0.787
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	55340	3560	18.11	19.00	1.227	62.9	1.006	0.08	0.637	0.787
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	56150	3641	18.15	19.00	1.216	62.9	1.006	-0.04	0.670	0.820
	LTE Band 48C	20M	QPSK	1	99	-	Back	5mm	Ant 4	-	ECI 3	56150+56348	3641+3660.8	18.10	19.00	1.230	62.9	1.006	0.05	0.661	0.818
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	56640	3690	18.11	19.00	1.227	62.9	1.006	0.17	0.656	0.810
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	55830	3609	18.21	19.00	1.199	62.9	1.006	0.02	0.536	0.647
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	55340	3560	18.11	19.00	1.227	62.9	1.006	-0.17	0.528	0.652
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	56150	3641	18.11	19.00	1.227	62.9	1.006	0.02	0.525	0.648
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	56640	3690	18.07	19.00	1.239	62.9	1.006	0.08	0.520	0.648
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	55830	3609	18.28	19.00	1.180	62.9	1.006	0.07	0.523	0.621
	LTE Band 48	20M	QPSK	1	0	-	Front	19mm	Ant 4	-	ECI 4	55830	3609	23.24	24.00	1.191	62.9	1.006	0.08	0.202	0.242
	LTE Band 48	20M	QPSK	1	0	-	Back	17mm	Ant 4	-	ECI 4	55830	3609	23.24	24.00	1.191	62.9	1.006	0.18	0.402	0.482
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 3	55830	3609	20.86	22.00	1.300	62.9	1.006	0.04	0.740	0.968
	LTE Band 48C	20M	QPSK	1	99	-	Front	5mm	Ant 2	-	ECI 3	55830+56028	3609+3628.8	20.83	22.00	1.309	62.9	1.006	-0.07	0.728	0.959
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 3	55340	3560	20.71	22.00	1.346	62.9	1.006	0.02	0.692	0.937
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 3	56150	3641	20.64	22.00	1.368	62.9	1.006	0.02	0.672	0.925
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 2	-	ECI 3	56640	3690	20.76	22.00	1.330	62.9	1.006	-0.11	0.609	0.815
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 3	55830	3609	20.85	22.00	1.303	62.9	1.006	0.03	0.671	0.880
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 3	55340	3560	20.76	22.00	1.330	62.9	1.006	-0.04	0.645	0.863
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 3	56150	3641	20.67	22.00	1.358	62.9	1.006	0.14	0.629	0.860
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 2	-	ECI 3	56640	3690	20.77	22.00	1.327	62.9	1.006	0.03	0.678	0.905
	LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 2	-	ECI 3	55830	3609	20.82	22.00	1.312	62.9	1.006	0.01	0.633	0.836
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	55830	3609	20.86	22.00	1.300	62.9	1.006	-0.1	0.672	0.879
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	55340	3560	20.71	22.00	1.346	62.9	1.006	-0.03	0.687	0.930
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	56150	3641	20.64	22.00	1.368	62.9	1.006	0.06	0.576	0.793
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 2	-	ECI 3	56640	3690	20.76	22.00	1.330	62.9	1.006	0.06	0.672	0.899
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	55830	3609	20.85	22.00	1.303	62.9	1.006	0.14	0.577	0.756
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	55340	3560	20.76	22.00	1.330	62.9	1.006	0.04	0.603	0.807
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	56150	3641	20.67	22.00	1.358	62.9	1.006	0.11	0.594	0.812
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 2	-	ECI 3	56640	3690	20.77	22.00	1.327	62.9	1.006	-0.05	0.600	0.801
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 2	-	ECI 3	55830	3609	20.82	22.00	1.312	62.9	1.006	0.07	0.607	0.801
	LTE Band 48	20M	QPSK	1	0	-	Front	19mm	Ant 2	-	ECI 4	55830	3609	22.83	24.00	1.309	62.9	1.006	0.01	0.231	0.304
	LTE Band 48	20M	QPSK	1	0	-	Back	17mm	Ant 2	-	ECI 4	55830	3609	22.83	24.00	1.309	62.9	1.006	0.05	0.257	0.338
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 7	-	ECI 3	55830	3609	18.28	19.50	1.324	62.9	1.006	0.07	0.350	0.466
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 7	-	ECI 3	55830	3609	18.21	19.50	1.346	62.9	1.006	0.06	0.270	0.366
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	55830	3609	18.28	19.50	1.324	62.9	1.006	0.02	0.674	0.898
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	55340	3560	18.13	19.50	1.371	62.9	1.006	0.03	0.762	1.051
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	56150	3641	17.92	19.50	1.439	62.9	1.006	0.04	0.510	0.738
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 7	-	ECI 3	56640	3690	18.09	19.50	1.384	62.9	1.006	0.03	0.587	0.817
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	55830	3609	18.21	19.50	1.346	62.9	1.006	0.07	0.617	0.835
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	55340	3560	18.10	19.50	1.380	62.9	1.006	-0.19	0.579	0.804
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	56150	3641	17.97	19.50	1.422	62.9	1.006	0.05	0.544	0.778



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	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 7	-	ECI 3	56640	3690	18.10	19.50	1.380	62.9	1.006	0.03	0.574	0.797
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 7	-	ECI 3	55830	3609	18.25	19.50	1.334	62.9	1.006	-0.01	0.599	0.804
	LTE Band 48	20M	QPSK	1	0	-	Front	19mm	Ant 7	-	ECI 4	55830	3609	22.91	24.00	1.285	62.9	1.006	0.06	0.117	0.151
	LTE Band 48	20M	QPSK	1	0	-	Back	17mm	Ant 7	-	ECI 4	55830	3609	22.91	24.00	1.285	62.9	1.006	-0.11	0.228	0.295
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	55830	3609	22.89	24.00	1.291	62.9	1.006	-0.11	0.596	0.774
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	55340	3560	22.74	24.00	1.337	62.9	1.006	0.03	0.566	0.761
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	56150	3641	22.78	24.00	1.324	62.9	1.006	0.07	0.538	0.717
	LTE Band 48	20M	QPSK	1	0	-	Front	5mm	Ant 5	-	ECI 3	56640	3690	22.59	24.00	1.384	62.9	1.006	-0.19	0.511	0.711
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	55830	3609	21.79	23.00	1.321	62.9	1.006	-0.16	0.506	0.673
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	55340	3560	21.67	23.00	1.358	62.9	1.006	0.03	0.488	0.667
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	56150	3641	21.75	23.00	1.334	62.9	1.006	0.03	0.454	0.609
	LTE Band 48	20M	QPSK	50	0	-	Front	5mm	Ant 5	-	ECI 3	56640	3690	21.57	23.00	1.390	62.9	1.006	0.06	0.414	0.579
	LTE Band 48	20M	QPSK	100	0	-	Front	5mm	Ant 5	-	ECI 3	55830	3609	21.71	23.00	1.346	62.9	1.006	0.11	0.422	0.571
91	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	Headset	ECI 3	55830	3609	22.89	24.00	1.291	62.9	1.006	0.04	0.982	1.276
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	55830	3609	22.89	24.00	1.291	62.9	1.006	0.04	0.941	1.222
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	55340	3560	22.74	24.00	1.337	62.9	1.006	-0.13	0.946	1.272
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	56150	3641	22.78	24.00	1.324	62.9	1.006	-0.01	0.877	1.168
	LTE Band 48	20M	QPSK	1	0	-	Back	5mm	Ant 5	-	ECI 3	56640	3690	22.59	24.00	1.384	62.9	1.006	0.12	0.908	1.264
	LTE Band 48	20M	QPSK	50	0	-	Back	5mm	Ant 5	-	ECI 3	55830	3609	21.79	23.00	1.321	62.9	1.006	-0.1	0.442	0.588
	LTE Band 48	20M	QPSK	100	0	-	Back	5mm	Ant 5	-	ECI 3	55830	3609	21.71	23.00	1.346	62.9	1.006	-0.18	0.502	0.680
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	641666	3624.99	19.46	20.00	1.132	-	-	0.06	0.373	0.422
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	641666	3624.99	19.33	20.00	1.167	-	-	-0.04	0.473	0.552
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	641666	3624.99	19.46	20.00	1.132	-	-	0.06	0.528	0.598
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	641666	3624.99	19.33	20.00	1.167	-	-	-0.03	0.661	0.771
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 4	-	ECI 4	641666	3624.99	23.33	24.00	1.167	-	-	0.05	0.243	0.284
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	19mm	Ant 4	-	ECI 4	641666	3624.99	23.29	24.00	1.178	-	-	0.01	0.216	0.254
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	641666	3624.99	23.33	24.00	1.167	-	-	0.07	0.426	0.497
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	641666	3624.99	23.29	24.00	1.178	-	-	-0.04	0.397	0.468
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	641666	3624.99	22.48	23.00	1.127	-	-	0.08	0.816	0.920
92	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	641666	3624.99	22.44	23.00	1.138	-	-	0.03	0.964	1.097
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	641666	3624.99	22.38	23.00	1.153	-	-	0.07	0.740	0.854
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	641666	3624.99	22.48	23.00	1.127	-	-	0.07	0.820	0.924
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	641666	3624.99	22.44	23.00	1.138	-	-	-0.02	0.843	0.959
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	641666	3624.99	22.38	23.00	1.153	-	-	0.05	0.682	0.787
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 2	-	ECI 4	641666	3624.99	23.53	24.00	1.114	-	-	0.03	0.188	0.209
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	19mm	Ant 2	-	ECI 4	641666	3624.99	23.48	24.00	1.127	-	-	-0.17	0.210	0.237
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	641666	3624.99	23.53	24.00	1.114	-	-	0.05	0.198	0.221
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	641666	3624.99	23.48	24.00	1.127	-	-	-0.12	0.192	0.216
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	641666	3624.99	17.74	19.00	1.337	-	-	0.02	0.316	0.422
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	641666	3624.99	17.69	19.00	1.352	-	-	0.09	0.308	0.416
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	641666	3624.99	17.74	19.00	1.337	-	-	-0.05	0.630	0.842
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	641666	3624.99	17.69	19.00	1.352	-	-	-0.11	0.496	0.671
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	641666	3624.99	17.63	19.00	1.371	-	-	0.08	0.442	0.606
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 7	-	ECI 4	641666	3624.99	22.65	24.00	1.365	-	-	0.05	0.073	0.100
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 7	-	ECI 4	641666	3624.99	22.65	24.00	1.365	-	-	0.12	0.170	0.232
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	641666	3624.99	23.34	24.00	1.164	-	-	-0.02	0.481	0.560
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	641666	3624.99	23.29	24.00	1.178	-	-	0.11	0.561	0.661
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	641666	3624.99	23.34	24.00	1.164	-	-	0.01	0.811	0.944
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	641666	3624.99	23.29	24.00	1.178	-	-	-0.01	0.921	1.085
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	641666	3624.99	22.30	23.00	1.175	-	-	-0.1	0.731	0.859
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	656000	3840	20.23	21.00	1.194	-	-	-0.09	0.421	0.503
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	656000	3840	20.20	21.00	1.202	-	-	0.13	0.402	0.483
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	20.23	21.00	1.194	-	-	0.08	0.661	0.789
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	20.20	21.00	1.202	-	-	-0.06	0.670	0.806
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	656000	3840	20.14	21.00	1.219	-	-	-0.05	0.672	0.819
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 4	-	ECI 4	656000	3840	26.07	27.00	1.239	-	-	0.05	0.203	0.251



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	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	656000	3840	26.07	27.00	1.239	-	-	-0.02	0.386	0.478
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	656000	3840	26.04	27.00	1.247	-	-	-0.14	0.474	0.591
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	656000	3840	24.99	26.00	1.262	-	-	0.11	0.446	0.563
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	633334	3500.01	20.28	21.00	1.180	-	-	-0.02	0.482	0.569
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	633334	3500.01	20.23	21.00	1.194	-	-	0.02	0.341	0.407
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	633334	3500.01	20.28	21.00	1.180	-	-	0.03	0.617	0.728
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	633334	3500.01	20.23	21.00	1.194	-	-	0.03	0.673	0.804
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	633334	3500.01	20.17	21.00	1.211	-	-	0.07	0.694	0.840
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 4	-	ECI 4	633334	3500.01	26.22	27.00	1.197	-	-	0.18	0.302	0.361
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	633334	3500.01	26.22	27.00	1.197	-	-	-0.04	0.432	0.517
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	633334	3500.01	26.15	27.00	1.216	-	-	0.02	0.575	0.699
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	17mm	Ant 4	-	ECI 4	633334	3500.01	25.18	26.00	1.208	-	-	0.05	0.563	0.680
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	656000	3840	22.08	23.00	1.236	-	-	-0.07	0.563	0.696
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	656000	3840	22.03	23.00	1.250	-	-	0.08	0.515	0.644
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	22.08	23.00	1.236	-	-	0.1	0.689	0.852
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	22.03	23.00	1.250	-	-	0.05	0.860	1.075
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	656000	3840	21.91	23.00	1.285	-	-	-0.09	0.737	0.947
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 2	-	ECI 4	656000	3840	25.91	27.00	1.285	-	-	0.16	0.235	0.302
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	656000	3840	25.91	27.00	1.285	-	-	-0.1	0.439	0.564
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	656000	3840	25.88	27.00	1.294	-	-	-0.18	0.480	0.621
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	633334	3500.01	22.05	23.00	1.245	-	-	0.12	0.858	1.068
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	633334	3500.01	22.00	23.00	1.259	-	-	-0.07	0.845	1.064
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	633334	3500.01	21.96	23.00	1.271	-	-	-0.03	0.718	0.912
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	633334	3500.01	22.05	23.00	1.245	-	-	0.09	0.859	1.069
93	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	633334	3500.01	22.00	23.00	1.259	-	-	0.04	0.971	1.222
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	Headset	ECI 3	633334	3500.01	22.00	23.00	1.259	-	-	-0.04	0.956	1.204
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	633334	3500.01	21.96	23.00	1.271	-	-	-0.03	0.869	1.104
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 2	-	ECI 4	633334	3500.01	25.92	27.00	1.282	-	-	0.02	0.285	0.365
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	633334	3500.01	25.92	27.00	1.282	-	-	-0.03	0.337	0.432
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 2	-	ECI 4	633334	3500.01	25.87	27.00	1.297	-	-	0.19	0.330	0.428
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	656000	3840	18.72	19.80	1.282	-	-	-0.19	0.339	0.435
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	656000	3840	18.67	19.80	1.297	-	-	-0.17	0.321	0.416
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	18.72	19.80	1.282	-	-	-0.08	0.692	0.887
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	18.67	19.80	1.297	-	-	0.05	0.550	0.713
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	18.62	19.80	1.312	-	-	-0.02	0.583	0.765
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 7	-	ECI 4	656000	3840	23.18	24.30	1.294	-	-	0.08	0.069	0.089
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 7	-	ECI 4	656000	3840	23.18	24.30	1.294	-	-	0.02	0.224	0.290
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	633334	3500.01	18.82	19.80	1.253	-	-	0.05	0.322	0.404
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	633334	3500.01	18.73	19.80	1.279	-	-	0.1	0.303	0.388
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	633334	3500.01	18.82	19.80	1.253	-	-	0.02	0.628	0.787
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	633334	3500.01	18.73	19.80	1.279	-	-	0.09	0.733	0.938
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	633334	3500.01	18.63	19.80	1.309	-	-	0.1	0.639	0.837
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 7	-	ECI 4	633334	3500.01	23.25	24.30	1.274	-	-	-0.13	0.067	0.085
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 7	-	ECI 4	633334	3500.01	23.25	24.30	1.274	-	-	0.04	0.116	0.148
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	17mm	Ant 7	-	ECI 4	633334	3500.01	23.21	24.30	1.285	-	-	-0.09	0.144	0.185
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	656000	3840	24.25	25.50	1.334	-	-	-0.01	0.357	0.476
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	656000	3840	24.19	25.50	1.352	-	-	0.08	0.308	0.416
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	24.25	25.50	1.334	-	-	0.08	0.503	0.671
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	24.19	25.50	1.352	-	-	-0.18	0.420	0.568
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 5	-	ECI 4	656000	3840	25.89	27.00	1.291	-	-	0.15	0.089	0.115
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 5	-	ECI 4	656000	3840	25.89	27.00	1.291	-	-	0.07	0.165	0.213
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	633334	3500.01	24.84	25.50	1.164	-	-	0.08	0.541	0.630
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	633334	3500.01	24.78	25.50	1.180	-	-	-0.1	0.539	0.636
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	633334	3500.01	24.84	25.50	1.164	-	-	0.02	0.922	1.073
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	633334	3500.01	24.78	25.50	1.180	-	-	0.02	0.797	0.941
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	633334	3500.01	24.70	25.50	1.202	-	-	0.05	0.790	0.950



FCC SAR Test Report

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FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	19mm	Ant 5	-	ECI 4	633334	3500.01	26.31	27.00	1.172	-	-	0.08	0.125	0.147
FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	17mm	Ant 5	-	ECI 4	633334	3500.01	26.31	27.00	1.172	-	-	0.07	0.214	0.251

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)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3+8(8)	Standalone	11	2462	17.55	19.00	1.396	99.31	1.007	-0.01	0.370	0.520
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+8(8)	Standalone	11	2462	17.55	19.00	1.396	99.31	1.007	0.01	0.692	0.973
94	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+8(3)	Standalone	1	2412	17.56	19.00	1.393	99.31	1.007	-0.04	0.836	1.173
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+8(3)	Standalone	6	2437	17.51	19.00	1.409	99.31	1.007	-0.16	0.729	1.035
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3+8(3)	Simultaneous	1	2412	12.33	14.00	1.469	99.31	1.007	0.08	0.213	0.315
	WLAN2.4GHz	802.11b 1Mbps	Front	19mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	-0.06	0.113	0.159
	WLAN2.4GHz	802.11b 1Mbps	Back	17mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	-0.13	0.165	0.231
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 8	Simultaneous	6	2437	10.23	11.00	1.194	99.31	1.007	0.05	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 8	Simultaneous	6	2437	10.23	11.00	1.194	99.31	1.007	0.03	0.018	0.022
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 8	Simultaneous	1	2412	9.97	11.00	1.268	99.31	1.007	0.01	0.011	0.014
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 8	Simultaneous	11	2462	9.86	11.00	1.300	99.31	1.007	0.09	0.013	0.017
	Bluetooth	1Mbps	Front	5mm	Ant 3	Standalone	39	2441	18.29	19.00	1.178	76.40	1.090	-0.06	0.276	0.354
95	Bluetooth	1Mbps	Back	5mm	Ant 3	Standalone	39	2441	18.29	19.00	1.178	76.40	1.090	-0.03	0.415	0.533
	Bluetooth	1Mbps	Back	5mm	Ant 3	Simultaneous	39	2441	12.03	13.00	1.250	76.40	1.090	0.04	0.077	0.105
	Bluetooth	1Mbps	Back	5mm	Ant 3	Simultaneous For WLAN 2.4G Ant 8	39	2441	6.26	7.00	1.186	76.4	1.090	0.02	0.001	0.001
	Bluetooth	1Mbps	Front	19mm	Ant 3	Full	39	2441	18.29	19.00	1.178	76.40	1.090	0.02	0.007	0.009
	Bluetooth	1Mbps	Back	17mm	Ant 3	Full	39	2441	18.29	19.00	1.178	76.40	1.090	0.04	0.014	0.018
5000MHz																
	WLAN 5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 3+8(3)	Standalone	54	5270	16.11	17.50	1.377	93.9	1.065	0.08	0.397	0.582
96	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 3+8(3)	Standalone	54	5270	16.11	17.50	1.377	93.9	1.065	0.07	0.725	1.063
	WLAN 5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 3+8(3)	Standalone	62	5310	13.88	15.50	1.452	93.9	1.065	0.16	0.470	0.727
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3+8(3)	Simultaneous	58	5290	11.66	13.00	1.361	88.79	1.126	0.18	0.240	0.368
	WLAN 5.3GHz	802.11n-HT40 MCS0	Front	19mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	-0.08	0.107	0.158
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	17mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	0.16	0.256	0.377
	WLAN 5.5GHz	802.11n-HT40 MCS0	Front	5mm	Ant 3+8(8)	Standalone	134	5670	16.37	17.50	1.297	93.9	1.065	-0.09	0.549	0.758
	WLAN 5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 3+8(8)	Standalone	134	5670	16.37	17.50	1.297	93.9	1.065	-0.12	0.684	0.945
97	WLAN 5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 3+8(8)	Standalone	110	5550	16.28	17.50	1.324	93.9	1.065	0.08	0.772	1.089
	WLAN 5.5GHz	802.11n-HT40 MCS0	Back	5mm	Ant 3+8(8)	Standalone	102	5510	12.98	14.50	1.419	93.9	1.065	0.03	0.225	0.340
	WLAN 5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3+8(8)	Simultaneous	106	5530	10.64	12.00	1.368	88.79	1.126	-0.14	0.195	0.300
	WLAN 5.5GHz	802.11n-HT40 MCS0	Front	19mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	0.06	0.080	0.130
	WLAN 5.5GHz	802.11n-HT40 MCS0	Back	17mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	-0.03	0.088	0.143
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 3+8(3)	Standalone	155	5775	14.77	16.00	1.327	88.79	1.126	-0.14	0.251	0.375
98	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3+8(3)	Standalone	155	5775	14.77	16.00	1.327	88.79	1.126	0.04	0.761	1.137
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 3+8(8)	Simultaneous	155	5775	9.77	11.00	1.327	88.79	1.126	0.09	0.219	0.327
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Front	19mm	Ant 3+8(3)	Standalone	155	5775	18.19	19.50	1.352	88.79	1.126	0.08	0.121	0.184
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Back	17mm	Ant 3+8(3)	Standalone	155	5775	18.19	19.50	1.352	88.79	1.126	0.14	0.159	0.242



16.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
750MHz																				
99	LTE Band 13	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	23230	782	23.05	24.00	1.245	-	-	-0.11	0.744	0.926
	LTE Band 13	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECI 6	23230	782	21.91	23.00	1.285	-	-	0.13	0.551	0.708
100	LTE Band 14	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	23330	793	22.84	24.00	1.306	-	-	0.04	1.390	1.816
	LTE Band 14	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECI 6	23330	793	21.78	23.00	1.324	-	-	0.03	1.350	1.788
835MHz																				
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	189	836.4	28.17	29.50	1.358	-	-	0.11	1.390	1.888
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	189	836.4	28.17	29.50	1.358	-	-	0.03	2.050	2.785
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	128	824.2	28.08	29.50	1.387	-	-	0.05	2.110	2.926
101	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	251	848.8	28.10	29.50	1.380	-	-	0.12	2.290	3.161
102	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4182	836.4	22.75	24.00	1.334	-	-	0.06	1.160	1.547
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4132	826.4	22.66	24.00	1.361	-	-	0.03	1.030	1.402
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4233	846.6	22.62	24.00	1.374	-	-	0.05	0.995	1.367
103	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	23.09	24.00	1.233	-	-	0.08	1.230	1.517
	LTE Band 5B	10M	QPSK	1	49	-	Back	0mm	Ant 0	ECI 6	20476 +20575	831.6 +841.5	22.86	24.00	1.300	-	-	0.01	1.140	1.482
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26915	836.5	22.96	24.00	1.271	-	-	0.04	1.030	1.309
	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26965	841.5	23.07	24.00	1.239	-	-	0.07	1.110	1.375
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	22.10	23.00	1.230	-	-	0.01	1.090	1.341
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	1413	1732.6	20.27	21.00	1.183	-	-	0.02	2.010	2.378
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	1312	1712.4	20.19	21.00	1.205	-	-	0.18	1.910	2.302
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	1513	1752.6	20.14	21.00	1.219	-	-	0.08	2.200	2.682
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	1413	1732.6	20.27	21.00	1.183	-	-	0.04	2.110	2.496
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	1312	1712.4	20.19	21.00	1.205	-	-	0.02	2.070	2.494
104	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	1513	1752.6	20.14	21.00	1.219	-	-	0.03	2.240	2.731
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	1413	1732.6	20.27	21.00	1.183	-	-	-0.17	1.420	1.680
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 0	ECI 4	1413	1732.6	23.32	24.00	1.169	-	-	0.09	0.296	0.346
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	7mm	Ant 0	ECI 4	1413	1732.6	23.32	24.00	1.169	-	-	0.08	0.543	0.635
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	9mm	Ant 0	ECI 4	1413	1732.6	23.32	24.00	1.169	-	-	0.06	0.710	0.830
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	132322	1745	19.80	20.50	1.175	-	-	0.06	2.250	2.644
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	132072	1720	19.76	20.50	1.186	-	-	-0.1	2.070	2.455
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	132572	1770	19.71	20.50	1.199	-	-	0.13	1.760	2.111
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	132322	1745	19.74	20.50	1.191	-	-	0.02	1.810	2.156
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	132072	1720	19.72	20.50	1.197	-	-	-0.06	1.700	2.034
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	132572	1770	19.64	20.50	1.219	-	-	0.03	1.760	2.145
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 0	ECI 6	132322	1745	19.71	20.50	1.199	-	-	0.15	2.180	2.615
105	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	132322	1745	19.80	20.50	1.175	-	-	-0.01	2.300	2.702
	LTE Band 66C	20M	QPSK	1	99	-	Back	0mm	Ant 0	ECI 6	132322 +132520	1745 +1764.8	19.78	20.50	1.180	-	-	0.08	2.160	2.549
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	132072	1720	19.76	20.50	1.186	-	-	-0.08	2.050	2.431
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	132572	1770	19.71	20.50	1.199	-	-	-0.18	1.800	2.159
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	132322	1745	19.74	20.50	1.191	-	-	-0.18	1.870	2.228
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	132072	1720	19.72	20.50	1.197	-	-	-0.01	1.680	2.011
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	132572	1770	19.64	20.50	1.219	-	-	-0.1	1.770	2.158
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 0	ECI 6	132322	1745	19.71	20.50	1.199	-	-	0.09	1.080	1.295
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	132322	1745	19.80	20.50	1.175	-	-	-0.14	1.160	1.363
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	132322	1745	19.74	20.50	1.191	-	-	-0.18	0.931	1.109
	LTE Band 66	20M	QPSK	1	0	-	Front	9mm	Ant 0	ECI 4	132322	1745	23.26	24.00	1.186	-	-	-0.1	0.921	1.092
	LTE Band 66	20M	QPSK	1	0	-	Back	7mm	Ant 0	ECI 4	132322	1745	23.26	24.00	1.186	-	-	-0.1	1.550	1.838
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	132322	1745	23.26	24.00	1.186	-	-	0.05	2.070	2.455
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	132072	1720	23.24	24.00	1.191	-	-	0.07	1.960	2.335
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	132572	1770	23.11	24.00	1.227	-	-	0.16	1.970	2.418



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	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	9mm	Ant 0	ECI 4	132322	1745	22.22	23.00	1.197	-	-	0.01	1.680	2.011
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	132322	1745	18.60	19.50	1.230	-	-	0.04	1.660	2.042
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	132072	1720	18.51	19.50	1.256	-	-	-0.03	1.530	1.922
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	132572	1770	18.56	19.50	1.242	-	-	-0.06	1.690	2.098
	LTE Band 66C	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	132572 +132374	1770 +1750.2	18.51	19.50	1.256	-	-	-0.01	1.570	1.972
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	132322	1745	18.52	19.50	1.253	-	-	0.04	1.340	1.679
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	ECI 6	132322	1745	18.46	19.50	1.271	-	-	0.07	1.320	1.677
	LTE Band 66	20M	QPSK	1	0	-	Top Side	8mm	Ant 1	ECI 4	132322	1745	23.09	24.00	1.233	-	-	0.08	0.620	0.765
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	23.24	24.00	1.191	-	-	0.09	2.480	2.954
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	23.18	24.00	1.208	-	-	0.18	2.520	3.044
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	349000	1745	22.13	23.00	1.222	-	-	-0.18	2.050	2.505
106	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	23.24	24.00	1.191	-	-	-0.04	2.590	3.085
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	346000	1730	23.15	24.00	1.216	-	-	0.06	2.340	2.846
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	352000	1760	23.20	24.00	1.202	-	-	0.04	2.260	2.717
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	23.18	24.00	1.208	-	-	0.15	2.530	3.056
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	22.13	23.00	1.222	-	-	0.17	2.010	2.456
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	23.24	24.00	1.191	-	-	0.11	1.150	1.370
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	349000	1745	23.18	24.00	1.208	-	-	0.17	1.070	1.292
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	21.95	22.50	1.135	-	-	0.05	1.630	1.850
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	349000	1745	21.90	22.50	1.148	-	-	-0.07	1.710	1.963
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	346000	1730	21.82	22.50	1.169	-	-	0.09	1.550	1.813
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	352000	1760	21.76	22.50	1.186	-	-	0.03	1.490	1.767
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	349000	1745	23.35	24.00	1.161	-	-	-0.17	0.503	0.584
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	349000	1745	23.28	24.00	1.180	-	-	-0.04	0.556	0.656
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	340500	1702.5	22.82	23.50	1.169	-	-	0.02	2.310	2.702
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	340500	1702.5	22.76	23.50	1.186	-	-	-0.03	2.380	2.822
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	340500	1702.5	22.18	23.00	1.208	-	-	0.06	1.890	2.283
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	340500	1702.5	22.82	23.50	1.169	-	-	0.15	2.260	2.643
107	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	340500	1702.5	22.76	23.50	1.186	-	-	-0.05	2.420	2.870
	FR1 n70	15M	QPSK	75	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	340500	1702.5	22.18	23.00	1.208	-	-	-0.09	1.820	2.198
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	340500	1702.5	22.82	23.50	1.169	-	-	0.03	1.170	1.368
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	340500	1702.5	22.76	23.50	1.186	-	-	0.14	1.240	1.470
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	340500	1702.5	23.28	24.00	1.180	-	-	0.04	0.352	0.415
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	340500	1702.5	23.22	24.00	1.197	-	-	0.08	0.348	0.416
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	7mm	Ant 0	ECI 4	340500	1702.5	23.28	24.00	1.180	-	-	0.07	0.615	0.726
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Back	7mm	Ant 0	ECI 4	340500	1702.5	23.22	24.00	1.197	-	-	0.02	0.622	0.744
	FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	ECI 4	340500	1702.5	23.28	24.00	1.180	-	-	0.02	0.785	0.927
	FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	ECI 4	340500	1702.5	23.22	24.00	1.197	-	-	-0.09	0.833	0.997
1900MHz																				
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	661	1880	23.58	24.50	1.236	-	-	0.17	2.510	3.102
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	512	1850.2	23.49	24.50	1.262	-	-	-0.17	2.190	2.763
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	ECI 6	810	1909.8	23.41	24.50	1.285	-	-	-0.08	2.340	3.008
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	661	1880	23.58	24.50	1.236	-	-	0.09	2.360	2.917
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	512	1850.2	23.49	24.50	1.262	-	-	0.05	2.340	2.953
108	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	810	1909.8	23.41	24.50	1.285	-	-	0.09	2.530	3.252
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	ECI 6	661	1880	23.58	24.50	1.236	-	-	0.03	1.340	1.656
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	9mm	Ant 0	ECI 4	512	1850.2	25.60	26.50	1.230	-	-	0.02	0.402	0.495
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	7mm	Ant 0	ECI 4	512	1850.2	25.60	26.50	1.230	-	-	-0.05	0.726	0.893
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	9mm	Ant 0	ECI 4	512	1850.2	25.60	26.50	1.230	-	-	0.09	1.090	1.341
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9400	1880	21.01	21.50	1.119	-	-	-0.13	2.030	2.272
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9262	1852.4	20.91	21.50	1.146	-	-	0.07	1.840	2.108
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	ECI 6	9538	1907.6	20.96	21.50	1.132	-	-	0.08	2.370	2.684
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9400	1880	21.01	21.50	1.119	-	-	0.06	2.090	2.340
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9262	1852.4	20.91	21.50	1.146	-	-	0.04	1.820	2.085
109	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	9538	1907.6	20.96	21.50	1.132	-	-	0.09	2.380	2.695
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	ECI 6	9400	1880	21.01	21.50	1.119	-	-	-0.15	1.390	1.556



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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 0	ECI 4	9400	1880	23.45	24.00	1.135	-	-	-0.09	0.474	0.538
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	7mm	Ant 0	ECI 4	9400	1880	23.45	24.00	1.135	-	-	0.09	0.861	0.977
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	9mm	Ant 0	ECI 4	9400	1880	23.45	24.00	1.135	-	-	0.03	1.240	1.407
110	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	26340	1880	20.64	21.50	1.219	-	-	-0.09	2.450	2.987
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	26140	1860	20.60	21.50	1.230	-	-	-0.11	2.130	2.620
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	26590	1905	20.59	21.50	1.233	-	-	-0.03	2.250	2.774
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	26340	1880	20.60	21.50	1.230	-	-	-0.05	1.940	2.387
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	26140	1860	20.58	21.50	1.236	-	-	-0.17	1.860	2.299
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	26590	1905	20.55	21.50	1.245	-	-	0.18	1.920	2.389
	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 0	ECI 6	26340	1880	20.55	21.50	1.245	-	-	0.06	1.840	2.290
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26340	1880	20.64	21.50	1.219	-	-	0.11	2.240	2.731
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26140	1860	20.60	21.50	1.230	-	-	0.01	1.930	2.374
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26590	1905	20.59	21.50	1.233	-	-	0.02	2.150	2.651
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	26340	1880	20.60	21.50	1.230	-	-	0.01	1.830	2.251
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	26140	1860	20.58	21.50	1.236	-	-	0.1	1.750	2.163
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	26590	1905	20.55	21.50	1.245	-	-	0.03	1.810	2.253
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 0	ECI 6	26340	1880	20.55	21.50	1.245	-	-	0.03	1.720	2.141
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	26340	1880	20.64	21.50	1.219	-	-	0.14	0.870	1.061
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	26340	1880	20.60	21.50	1.230	-	-	0.02	0.776	0.955
	LTE Band 25	20M	QPSK	1	0	-	Front	9mm	Ant 0	ECI 4	26340	1880	23.18	24.00	1.208	-	-	0.05	1.000	1.208
	LTE Band 25	20M	QPSK	1	0	-	Back	7mm	Ant 0	ECI 4	26340	1880	23.18	24.00	1.208	-	-	-0.09	1.600	1.933
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	26340	1880	23.18	24.00	1.208	-	-	0.04	2.430	2.935
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	26140	1860	23.13	24.00	1.222	-	-	0.05	2.180	2.664
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	26590	1905	23.06	24.00	1.242	-	-	0.01	2.270	2.819
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	9mm	Ant 0	ECI 4	26340	1880	22.02	23.00	1.253	-	-	0.09	2.210	2.769
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	26340	1880	19.23	20.00	1.194	-	-	0.06	1.650	1.970
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	26340	1880	19.19	20.00	1.205	-	-	0.08	1.520	1.832
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	26340	1880	19.23	20.00	1.194	-	-	0.14	0.944	1.127
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	26340	1880	19.19	20.00	1.205	-	-	-0.05	0.889	1.071
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	26340	1880	19.23	20.00	1.194	-	-	0.01	1.890	2.257
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	26140	1860	19.15	20.00	1.216	-	-	-0.07	1.810	2.201
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	26590	1905	19.19	20.00	1.205	-	-	-0.03	1.950	2.350
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	26340	1880	19.19	20.00	1.205	-	-	0.12	1.640	1.976
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	26140	1860	19.13	20.00	1.222	-	-	0.04	1.730	2.114
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	26590	1905	19.11	20.00	1.227	-	-	0.19	1.650	2.025
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	ECI 6	26340	1880	19.14	20.00	1.219	-	-	-0.08	1.530	1.865
	LTE Band 25	20M	QPSK	1	0	-	Front	6mm	Ant 1	ECI 4	26340	1880	23.13	24.00	1.222	-	-	0.17	1.100	1.344
	LTE Band 25	20M	QPSK	1	0	-	Back	6mm	Ant 1	ECI 4	26340	1880	23.13	24.00	1.222	-	-	-0.08	1.610	1.967
	LTE Band 25	20M	QPSK	1	0	-	Top Side	8mm	Ant 1	ECI 4	26340	1880	23.13	24.00	1.222	-	-	-0.08	1.220	1.491
111	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376500	1882.5	23.34	24.00	1.164	-	-	-0.07	2.370	2.759
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	374000	1870	23.27	24.00	1.183	-	-	0.07	2.000	2.366
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	379000	1895	23.26	24.00	1.186	-	-	0.01	1.940	2.300
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376500	1882.5	23.12	24.00	1.225	-	-	0.13	2.190	2.682
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	376500	1882.5	22.29	23.00	1.178	-	-	-0.13	1.720	2.025
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376500	1882.5	23.34	24.00	1.164	-	-	-0.18	2.200	2.561
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376500	1882.5	23.12	24.00	1.225	-	-	0.13	2.120	2.596
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376500	1882.5	22.29	23.00	1.178	-	-	0.03	1.650	1.943
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376500	1882.5	23.34	24.00	1.164	-	-	-0.15	0.755	0.879
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	376500	1882.5	23.12	24.00	1.225	-	-	0.02	0.710	0.869
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376500	1882.5	21.59	22.50	1.233	-	-	0.05	1.610	1.985
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376500	1882.5	21.50	22.50	1.259	-	-	0.08	1.510	1.901
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376500	1882.5	21.59	22.50	1.233	-	-	0.06	0.951	1.173
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376500	1882.5	21.50	22.50	1.259	-	-	0.07	0.928	1.168
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376500	1882.5	21.59	22.50	1.233	-	-	0.17	1.840	2.269
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376500	1882.5	21.50	22.50	1.259	-	-	0.05	1.910	2.405
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	374000	1870	21.37	22.50	1.297	-	-	0.09	1.770	2.296



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	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	379000	1895	21.37	22.50	1.297	-	-	0.07	1.620	2.101
	FR1 n25	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	376500	1882.5	21.41	22.50	1.285	-	-	0.02	1.560	2.005
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Front	6mm	Ant 1	ECI 4	376500	1882.5	23.15	24.00	1.216	-	-	0.03	0.605	0.736
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Back	6mm	Ant 1	ECI 4	376500	1882.5	23.15	24.00	1.216	-	-	0.02	0.931	1.132
	FR1 n25	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	376500	1882.5	23.15	24.00	1.216	-	-	0.16	0.657	0.799
	FR1 n25	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	376500	1882.5	23.12	24.00	1.225	-	-	0.05	0.691	0.846
2300Mhz																				
112	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	27710	2310	21.02	22.00	1.253	-	-	0.02	1.990	2.494
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant 0	ECI 6	27710	2310	20.96	22.00	1.271	-	-	0.02	1.790	2.274
	LTE Band 30	10M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	27710	2310	20.91	22.00	1.285	-	-	-0.14	1.710	2.198
	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	27710	2310	21.02	22.00	1.253	-	-	0.13	1.850	2.318
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECI 6	27710	2310	20.96	22.00	1.271	-	-	0.18	1.730	2.198
	LTE Band 30	10M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	27710	2310	20.91	22.00	1.285	-	-	0.07	1.550	1.992
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	27710	2310	21.02	22.00	1.253	-	-	-0.14	1.310	1.642
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	0mm	Ant 0	ECI 6	27710	2310	20.96	22.00	1.271	-	-	0.02	1.260	1.601
	LTE Band 30	10M	QPSK	1	0	-	Front	9mm	Ant 0	ECI 4	27710	2310	23.02	24.00	1.253	-	-	0.1	0.775	0.971
	LTE Band 30	10M	QPSK	1	0	-	Back	7mm	Ant 0	ECI 4	27710	2310	23.02	24.00	1.253	-	-	-0.15	1.300	1.629
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	27710	2310	23.02	24.00	1.253	-	-	0.12	1.760	2.206
	LTE Band 30	10M	QPSK	50	0	-	Bottom Side	9mm	Ant 0	ECI 4	27710	2310	21.86	23.00	1.300	-	-	0.12	1.430	1.859
	LTE Band 30	10M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	27710	2310	18.04	19.00	1.247	-	-	-0.02	1.950	2.432
	LTE Band 30	10M	QPSK	25	0	-	Top Side	0mm	Ant 1	ECI 6	27710	2310	17.99	19.00	1.262	-	-	-0.12	1.820	2.297
	LTE Band 30	10M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	27710	2310	17.92	19.00	1.282	-	-	0.05	1.850	2.372
	LTE Band 30	10M	QPSK	1	0	-	Top Side	8mm	Ant 1	ECI 4	27710	2310	22.96	24.00	1.271	-	-	0.04	1.270	1.614
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	462000	2310	23.49	24.00	1.125	-	-	-0.18	2.280	2.564
113	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	462000	2310	23.42	24.00	1.143	-	-	0.02	2.360	2.697
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	462000	2310	22.38	23.00	1.153	-	-	0.17	1.880	2.168
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	462000	2310	23.49	24.00	1.125	-	-	-0.06	2.120	2.384
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	462000	2310	23.42	24.00	1.143	-	-	0.06	2.060	2.354
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	462000	2310	22.38	23.00	1.153	-	-	-0.12	1.780	2.053
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	462000	2310	23.49	24.00	1.125	-	-	0.15	1.620	1.822
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	462000	2310	23.42	24.00	1.143	-	-	0.05	1.600	1.829
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	462000	2310	20.45	21.00	1.135	-	-	0.18	0.723	0.821
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	462000	2310	20.40	21.00	1.148	-	-	0.14	0.697	0.800
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	462000	2310	20.45	21.00	1.135	-	-	0.05	2.010	2.281
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	462000	2310	20.40	21.00	1.148	-	-	0.05	2.050	2.354
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	462000	2310	20.34	21.00	1.164	-	-	0.14	1.610	1.874
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	6mm	Ant 1	ECI 4	462000	2310	23.32	24.00	1.169	-	-	-0.11	0.974	1.139
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	462000	2310	23.32	24.00	1.169	-	-	0.05	0.858	1.003
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	462000	2310	23.25	24.00	1.189	-	-	0.07	0.840	0.998
2600Mhz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	21100	2535	20.05	21.00	1.245	-	-	0.03	1.930	2.402
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	20850	2510	19.99	21.00	1.262	-	-	-0.15	2.010	2.536
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 0	ECI 6	21350	2560	19.90	21.00	1.288	-	-	0.17	1.920	2.473
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	21100	2535	19.99	21.00	1.262	-	-	0.16	1.750	2.208
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	20850	2510	19.90	21.00	1.288	-	-	-0.04	1.880	2.422
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 0	ECI 6	21350	2560	19.81	21.00	1.315	-	-	0.06	1.740	2.288
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 0	ECI 6	21100	2535	19.96	21.00	1.271	-	-	-0.04	1.810	2.300
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	21100	2535	20.05	21.00	1.245	-	-	0.19	2.000	2.489
114	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	20850	2510	19.99	21.00	1.262	-	-	0.04	2.120	2.675
	LTE Band 7C	20M	QPSK	1	99	-	Back	0mm	Ant 0	ECI 6	20850 +21048	2510 +2529.8	19.89	21.00	1.291	-	-	0.07	2.030	2.621
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	21350	2560	19.90	21.00	1.288	-	-	0.06	1.980	2.551
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	21100	2535	19.99	21.00	1.262	-	-	0.02	1.880	2.372
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	20850	2510	19.90	21.00	1.288	-	-	0.06	1.740	2.242
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	21350	2560	19.81	21.00	1.315	-	-	0.06	1.820	2.394
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 0	ECI 6	21100	2535	19.96	21.00	1.271	-	-	-0.09	1.840	2.338
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	21100	2535	20.05	21.00	1.245	-	-	0.08	1.220	1.518



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	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	21100	2535	19.99	21.00	1.262	-	-	0.03	1.060	1.338
	LTE Band 7	20M	QPSK	1	0	-	Front	9mm	Ant 0	ECI 4	21100	2535	22.97	24.00	1.268	-	-	-0.05	0.438	0.555
	LTE Band 7	20M	QPSK	1	0	-	Back	7mm	Ant 0	ECI 4	21100	2535	22.97	24.00	1.268	-	-	-0.09	0.979	1.241
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	21100	2535	22.97	24.00	1.268	-	-	-0.15	0.808	1.024
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	16.61	17.50	1.227	-	-	0.06	0.822	1.009
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	16.57	17.50	1.239	-	-	-0.08	0.729	0.903
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	21100	2535	16.61	17.50	1.227	-	-	-0.03	1.870	2.295
	LTE Band 7C	20M	QPSK	1	99	-	Top Side	0mm	Ant 1	ECI 6	21100 +21298	2535 +2554.8	16.52	17.50	1.253	-	-	0.07	1.720	2.155
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	20850	2510	16.50	17.50	1.259	-	-	0.08	1.530	1.926
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	21350	2560	16.53	17.50	1.250	-	-	0.05	1.700	2.125
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	21100	2535	16.57	17.50	1.239	-	-	-0.13	1.710	2.118
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	20850	2510	16.43	17.50	1.279	-	-	-0.05	1.680	2.149
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	21350	2560	16.44	17.50	1.276	-	-	-0.1	1.730	2.208
	LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	ECI 6	21100	2535	16.42	17.50	1.282	-	-	-0.07	1.580	2.026
	LTE Band 7	20M	QPSK	1	0	-	Back	6mm	Ant 1	ECI 4	21100	2535	23.15	24.00	1.216	-	-	0.04	2.160	2.627
	LTE Band 7C	20M	QPSK	1	99	-	Back	6mm	Ant 1	ECI 4	21100 +21298	2535 +2554.8	22.91	24.00	1.285	-	-	0.01	2.020	2.596
	LTE Band 7	20M	QPSK	1	0	-	Back	6mm	Ant 1	ECI 4	20850	2510	23.10	24.00	1.230	-	-	0.03	2.010	2.473
	LTE Band 7	20M	QPSK	1	0	-	Back	6mm	Ant 1	ECI 4	21350	2560	22.99	24.00	1.262	-	-	0.09	1.950	2.461
	LTE Band 7	20M	QPSK	100	0	-	Back	6mm	Ant 1	ECI 4	21100	2535	22.19	23.00	1.205	-	-	0.01	1.870	2.253
	LTE Band 7	20M	QPSK	1	0	-	Top Side	8mm	Ant 1	ECI 4	21100	2535	23.15	24.00	1.216	-	-	0.06	1.690	2.055
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	40620	2593	23.24	24.00	1.191	62.9	1.006	0.02	1.770	2.121
	LTE Band 41C	20M	QPSK	1	99	-	Back	0mm	Ant 0	ECI 6	40620 +40818	2593 +2612.8	23.03	24.00	1.250	62.9	1.006	0.09	1.630	2.050
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	39750	2506	22.95	24.00	1.274	62.9	1.006	0.05	1.530	1.960
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	40185	2549.5	23.07	24.00	1.239	62.9	1.006	0.09	1.590	1.982
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	41055	2636.5	23.08	24.00	1.236	62.9	1.006	-0.03	1.530	1.902
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	41490	2680	23.12	24.00	1.225	62.9	1.006	-0.02	1.420	1.749
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	40620	2593	22.26	23.00	1.186	62.9	1.006	0.09	1.250	1.491
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant 0	ECI 6	40620	2593	22.22	23.00	1.197	62.9	1.006	0.1	1.280	1.541
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	ECI 6	40620	2593	23.24	24.00	1.191	62.9	1.006	0.18	1.160	1.390
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	ECI 6	40620	2593	22.26	23.00	1.186	62.9	1.006	0.08	1.090	1.300
115	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	40620	2593	25.53	26.00	1.114	42.9	1.009	0.04	2.220	2.496
	LTE Band 41C PC2	20M	QPSK	1	99	-	Back	0mm	Ant 0	ECI 6	40620 +40818	2593 +2612.8	25.47	26.00	1.130	42.9	1.009	0.01	2.080	2.371
	LTE Band 41	20M	QPSK	1	0	-	Back	7mm	Ant 0	ECI 4	40620	2593	23.24	24.00	1.191	62.9	1.006	0.1	0.525	0.629
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	9mm	Ant 0	ECI 4	40620	2593	23.24	24.00	1.191	62.9	1.006	0.04	0.366	0.439
	LTE Band 41 PC2	20M	QPSK	1	0	-	Back	7mm	Ant 0	ECI 4	40620	2593	26.46	27.00	1.132	42.9	1.009	0.1	0.821	0.938
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	40620	2593	19.62	20.40	1.197	62.9	1.006	0.08	1.650	1.986
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	39750	2506	19.55	20.40	1.216	62.9	1.006	0.04	1.650	2.019
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	40185	2549.5	19.52	20.40	1.225	62.9	1.006	-0.17	1.730	2.131
	LTE Band 41C	20M	QPSK	1	99	-	Top Side	0mm	Ant 1	ECI 6	40185 +40383	2549.5 +2569.3	19.49	20.40	1.233	62.9	1.006	-0.05	1.620	2.010
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	41055	2636.5	19.59	20.40	1.205	62.9	1.006	-0.12	1.370	1.661
	LTE Band 41	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	41490	2680	19.51	20.40	1.227	62.9	1.006	-0.09	1.380	1.704
	LTE Band 41	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	ECI 6	40620	2593	19.56	20.40	1.213	62.9	1.006	0.17	1.220	1.489
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	ECI 6	40620	2593	19.53	20.40	1.222	62.9	1.006	0.08	1.190	1.463
	LTE Band 41 PC2	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	ECI 6	40185	2549.5	21.09	22.00	1.233	42.9	1.009	0.06	1.770	2.202
	LTE Band 41C PC2	20M	QPSK	1	99	-	Top Side	0mm	Ant 1	ECI 6	40185 +40383	2549.5 +2569.3	21.01	22.00	1.256	42.9	1.009	0.02	1.680	2.129
	LTE Band 41	20M	QPSK	1	0	-	Top Side	8mm	Ant 1	ECI 4	40620	2593	23.05	24.00	1.245	62.9	1.006	-0.05	0.812	1.017
	LTE Band 41 PC2	20M	QPSK	1	0	-	Top Side	8mm	Ant 1	ECI 4	40620	2593	26.14	27.00	1.219	42.9	1.009	-0.05	1.460	1.796
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	ECI 6	40620	2593	22.67	24.00	1.358	62.9	1.006	0.06	1.350	1.845
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	ECI 6	39750	2506	22.57	24.00	1.390	62.9	1.006	0.03	1.250	1.748
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	ECI 6	40185	2549.5	22.50	24.00	1.413	62.9	1.006	0.1	1.230	1.748
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	ECI 6	41055	2636.5	22.58	24.00	1.387	62.9	1.006	-0.06	1.210	1.688
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	ECI 6	41490	2680	22.49	24.00	1.416	62.9	1.006	0.04	1.270	1.809
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant 6	ECI 6	40620	2593	21.55	23.00	1.396	62.9	1.006	0.11	1.090	1.531
	LTE Band 41	20M	QPSK	100	0	-	Left Side	0mm	Ant 6	ECI 6	40620	2593	21.52	23.00	1.406	62.9	1.006	0.02	0.993	1.405
	LTE Band 41 PC2	20M	QPSK	1	0	-	Left Side	0mm	Ant 6	ECI 6	40620	2593	25.45	27.00	1.429	42.9	1.009	0.14	1.650	2.379



FCC SAR Test Report

Report No. : FA322305

	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	507000	2535	22.98	24.00	1.265	-	-	0.05	1.780	2.251
116	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	507000	2535	22.90	24.00	1.288	-	-	0.01	2.100	2.705
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	505000	2525	22.88	24.00	1.294	-	-	0.07	1.850	2.394
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	509000	2545	22.84	24.00	1.306	-	-	0.09	1.920	2.508
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	507000	2535	21.92	23.00	1.282	-	-	0.08	1.720	2.206
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	507000	2535	22.98	24.00	1.265	-	-	-0.06	1.810	2.289
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	507000	2535	22.90	24.00	1.288	-	-	0.04	1.760	2.267
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	507000	2535	21.92	23.00	1.282	-	-	-0.09	1.640	2.103
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	507000	2535	22.98	24.00	1.265	-	-	-0.04	1.230	1.556
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	ECI 6	507000	2535	22.90	24.00	1.288	-	-	0.04	1.200	1.546
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	507000	2535	22.98	24.00	1.265	-	-	-0.07	0.369	0.467
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	9mm	Ant 0	ECI 4	507000	2535	22.90	24.00	1.288	-	-	-0.16	0.373	0.481
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	7mm	Ant 0	ECI 4	507000	2535	22.98	24.00	1.265	-	-	0.18	0.725	0.917
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	9mm	Ant 0	ECI 4	507000	2535	22.98	24.00	1.265	-	-	0.14	0.662	0.837
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	18.42	19.00	1.143	-	-	-0.01	0.666	0.761
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	507000	2535	18.36	19.00	1.159	-	-	-0.11	0.618	0.716
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	18.42	19.00	1.143	-	-	0.07	1.640	1.874
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	507000	2535	18.36	19.00	1.159	-	-	-0.03	1.700	1.970
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	505000	2525	18.31	19.00	1.172	-	-	0.07	1.370	1.606
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	ECI 6	509000	2545	18.31	19.00	1.172	-	-	-0.03	1.520	1.782
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	6mm	Ant 1	ECI 4	507000	2535	23.48	24.00	1.127	-	-	-0.15	1.210	1.364
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	507000	2535	23.48	24.00	1.127	-	-	0.03	1.040	1.172
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	8mm	Ant 1	ECI 4	507000	2535	23.42	24.00	1.143	-	-	0.01	1.380	1.577
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	23.07	24.00	1.239	-	-	0.04	2.390	2.961
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	510000	2550	22.97	24.00	1.268	-	-	0.07	1.960	2.485
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	528000	2640	22.95	24.00	1.274	-	-	0.09	2.120	2.700
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	22.88	24.00	1.294	-	-	0.02	1.880	2.433
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 0	ECI 6	518598	2592.99	22.83	24.00	1.309	-	-	-0.15	2.150	2.815
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	23.07	24.00	1.239	-	-	0.01	2.350	2.911
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	22.88	24.00	1.294	-	-	0.04	1.810	2.342
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 0	ECI 6	518598	2592.99	22.83	24.00	1.309	-	-	0.03	2.050	2.684
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	23.07	24.00	1.239	-	-	0.09	1.810	2.242
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	22.88	24.00	1.294	-	-	0.04	1.590	2.058
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	ECI 6	518598	2592.99	22.83	24.00	1.309	-	-	0.11	1.640	2.147
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	9mm	Ant 0	ECI 4	518598	2592.99	25.97	27.00	1.268	-	-	0.08	0.452	0.573
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	7mm	Ant 0	ECI 4	518598	2592.99	25.97	27.00	1.268	-	-	-0.02	0.864	1.095
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	9mm	Ant 0	ECI 4	518598	2592.99	25.97	27.00	1.268	-	-	0.02	0.809	1.026
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	18.64	19.50	1.219	-	-	-0.18	0.933	1.137
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	ECI 6	518598	2592.99	18.56	19.50	1.242	-	-	0.1	0.909	1.129
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	518598	2592.99	18.64	19.50	1.219	-	-	-0.09	1.910	2.328
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	518598	2592.99	18.56	19.50	1.242	-	-	0.07	1.770	2.198
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 1	ECI 6	518598	2592.99	18.44	19.50	1.276	-	-	-0.13	1.680	2.144
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	6mm	Ant 1	ECI 4	518598	2592.99	26.06	27.00	1.242	-	-	-0.02	2.240	2.781
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	6mm	Ant 1	ECI 4	518598	2592.99	26.00	27.00	1.259	-	-	0.09	2.150	2.707
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Back	6mm	Ant 1	ECI 4	518598	2592.99	25.23	26.00	1.194	-	-	0.05	2.010	2.400
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	8mm	Ant 1	ECI 4	518598	2592.99	26.06	27.00	1.242	-	-	-0.1	1.970	2.446
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	8mm	Ant 1	ECI 4	518598	2592.99	26.00	27.00	1.259	-	-	0.03	1.890	2.379
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	8mm	Ant 1	ECI 4	518598	2592.99	25.23	26.00	1.194	-	-	0.06	1.920	2.292
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 2	ECI 6	518598	2592.99	21.55	23.00	1.396	-	-	0.05	1.360	1.899
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 2	ECI 6	518598	2592.99	21.46	23.00	1.426	-	-	0.08	1.220	1.739
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 6	518598	2592.99	21.55	23.00	1.396	-	-	-0.04	0.799	1.116
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 2	ECI 6	518598	2592.99	21.46	23.00	1.426	-	-	0.07	0.757	1.079
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	518598	2592.99	21.55	23.00	1.396	-	-	-0.07	1.910	2.667
117	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	518598	2592.99	21.46	23.00	1.426	-	-	-0.03	2.450	3.493
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	518598	2592.99	21.45	23.00	1.429	-	-	-0.07	2.010	2.872
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	9mm	Ant 2	ECI 4	518598	2592.99	25.53	27.00	1.403	-	-	0.05	0.377	0.529



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	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	6mm	Ant 2	ECI 4	518598	2592.99	25.53	27.00	1.403	-	-	-0.12	0.222	0.311
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	11mm	Ant 2	ECI 4	518598	2592.99	25.53	27.00	1.403	-	-	-0.08	0.172	0.241
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	11mm	Ant 2	ECI 4	518598	2592.99	25.50	27.00	1.413	-	-	0.07	0.220	0.311
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 6	ECI 6	518598	2592.99	21.89	23.00	1.291	-	-	-0.07	0.847	1.094
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 6	ECI 6	518598	2592.99	21.83	23.00	1.309	-	-	-0.12	0.869	1.138
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 6	ECI 6	518598	2592.99	21.89	23.00	1.291	-	-	0.01	0.820	1.059
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 6	ECI 6	518598	2592.99	21.83	23.00	1.309	-	-	-0.18	0.831	1.088
	FR1 n41 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 6	ECI 6	518598	2592.99	21.89	23.00	1.291	-	-	-0.05	1.570	2.027
	FR1 n41 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 6	ECI 6	518598	2592.99	21.83	23.00	1.309	-	-	-0.12	1.840	2.409
	FR1 n41 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 6	ECI 6	518598	2592.99	21.75	23.00	1.334	-	-	0.06	1.730	2.307
3500MHz																				
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	55830	3609	20.87	21.50	1.156	62.9	1.006	-0.06	1.860	2.163
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	55340	3560	20.83	21.50	1.167	62.9	1.006	-0.18	1.750	2.054
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	56150	3641	20.84	21.50	1.164	62.9	1.006	0.08	1.840	2.155
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	56640	3690	20.75	21.50	1.189	62.9	1.006	0.09	1.810	2.164
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	55830	3609	20.81	21.50	1.172	62.9	1.006	-0.03	1.770	2.087
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	55340	3560	20.75	21.50	1.189	62.9	1.006	0.17	1.710	2.045
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	56150	3641	20.70	21.50	1.202	62.9	1.006	-0.13	1.650	1.996
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	56640	3690	20.76	21.50	1.186	62.9	1.006	0.18	1.730	2.064
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant 4	ECI 6	55830	3609	20.72	21.50	1.197	62.9	1.006	-0.06	1.590	1.914
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECI 6	55830	3609	20.87	21.50	1.156	62.9	1.006	-0.12	1.950	2.268
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECI 6	55340	3560	20.83	21.50	1.167	62.9	1.006	-0.03	1.810	2.125
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECI 6	56150	3641	20.84	21.50	1.164	62.9	1.006	-0.02	1.960	2.295
	LTE Band 48C	20M	QPSK	1	99	-	Left Side	0mm	Ant 4	ECI 6	56150 +56348	3641 +3660.8	20.70	21.50	1.202	62.9	1.006	0.04	1.820	2.201
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 4	ECI 6	56640	3690	20.75	21.50	1.189	62.9	1.006	0.08	1.890	2.260
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECI 6	55830	3609	20.81	21.50	1.172	62.9	1.006	-0.04	1.810	2.134
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECI 6	55340	3560	20.75	21.50	1.189	62.9	1.006	0.05	1.750	2.092
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECI 6	56150	3641	20.70	21.50	1.202	62.9	1.006	-0.04	1.830	2.213
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 4	ECI 6	56640	3690	20.76	21.50	1.186	62.9	1.006	-0.15	1.760	2.099
	LTE Band 48	20M	QPSK	100	0	-	Left Side	0mm	Ant 4	ECI 6	55830	3609	20.72	21.50	1.197	62.9	1.006	0.09	1.740	2.095
	LTE Band 48	20M	QPSK	1	0	-	Back	6mm	Ant 4	ECI 4	55830	3609	23.24	24.00	1.191	62.9	1.006	0.15	0.561	0.672
	LTE Band 48	20M	QPSK	1	0	-	Left Side	7mm	Ant 4	ECI 4	55830	3609	23.24	24.00	1.191	62.9	1.006	0.04	0.735	0.881
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	55830	3609	19.94	21.00	1.276	62.9	1.006	-0.14	2.170	2.786
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	55340	3560	19.88	21.00	1.294	62.9	1.006	-0.01	2.330	3.034
	LTE Band 48C	20M	QPSK	1	99	-	Left Side	0mm	Ant 2	ECI 6	55340 +55538	3560 +3579.8	19.72	21.00	1.343	62.9	1.006	0.09	2.140	2.891
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	56150	3641	19.86	21.00	1.300	62.9	1.006	-0.12	1.950	2.551
	LTE Band 48	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	ECI 6	56640	3690	19.70	21.00	1.349	62.9	1.006	-0.01	1.960	2.660
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	55830	3609	19.88	21.00	1.294	62.9	1.006	-0.16	1.910	2.487
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	55340	3560	19.74	21.00	1.337	62.9	1.006	0.04	2.020	2.716
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	56150	3641	19.71	21.00	1.346	62.9	1.006	-0.12	1.950	2.640
	LTE Band 48	20M	QPSK	50	0	-	Left Side	0mm	Ant 2	ECI 6	56640	3690	19.70	21.00	1.349	62.9	1.006	-0.1	1.830	2.483
	LTE Band 48	20M	QPSK	100	0	-	Left Side	0mm	Ant 2	ECI 6	55830	3609	19.78	21.00	1.324	62.9	1.006	-0.01	1.870	2.491
	LTE Band 48	20M	QPSK	1	0	-	Left Side	11mm	Ant 2	ECI 4	55830	3609	22.83	24.00	1.309	62.9	1.006	0.03	0.471	0.620
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant 7	ECI 6	55830	3609	20.49	21.50	1.262	62.9	1.006	0.15	0.385	0.489
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant 7	ECI 6	55830	3609	20.45	21.50	1.274	62.9	1.006	0.02	0.344	0.441
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 7	ECI 6	55830	3609	20.49	21.50	1.262	62.9	1.006	0.05	1.350	1.714
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 7	ECI 6	55340	3560	20.42	21.50	1.282	62.9	1.006	0.04	1.200	1.548
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 7	ECI 6	56150	3641	20.44	21.50	1.276	62.9	1.006	0.04	1.520	1.952
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 7	ECI 6	56640	3690	20.41	21.50	1.285	62.9	1.006	-0.02	1.610	2.082
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 7	ECI 6	55830	3609	20.45	21.50	1.274	62.9	1.006	0.04	1.180	1.512
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 7	ECI 6	55340	3560	20.40	21.50	1.288	62.9	1.006	0.03	1.250	1.620
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 7	ECI 6	56150	3641	20.38	21.50	1.294	62.9	1.006	0.06	1.130	1.471
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 7	ECI 6	56640	3690	20.42	21.50	1.282	62.9	1.006	0.04	1.040	1.342
	LTE Band 48	20M	QPSK	100	0	-	Right Side	0mm	Ant 7	ECI 6	55830	3609	20.41	21.50	1.285	62.9	1.006	0.01	1.150	1.487
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 7	ECI 6	55830	3609	20.49	21.50	1.262	62.9	1.006	0.07	0.578	0.734
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant 7	ECI 6	55830	3609	20.45	21.50	1.274	62.9	1.006	0.07	0.508	0.651



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	LTE Band 48	20M	QPSK	1	0	-	Back	6mm	Ant 7	ECI 4	55830	3609	22.91	24.00	1.285	62.9	1.006	0.12	0.492	0.636
	LTE Band 48	20M	QPSK	1	0	-	Right Side	9mm	Ant 7	ECI 4	55830	3609	22.91	24.00	1.285	62.9	1.006	0.06	0.451	0.583
	LTE Band 48	20M	QPSK	1	0	-	Top Side	11mm	Ant 7	ECI 4	55830	3609	22.91	24.00	1.285	62.9	1.006	0.17	0.195	0.252
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	ECI 4	55830	3609	21.98	23.00	1.265	62.9	1.006	0.08	2.240	2.850
118	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	ECI 4	55340	3560	21.88	23.00	1.294	62.9	1.006	0.07	2.400	3.125
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	ECI 4	56150	3641	21.93	23.00	1.279	62.9	1.006	0.16	1.920	2.471
	LTE Band 48	20M	QPSK	1	0	-	Right Side	0mm	Ant 5	ECI 4	56640	3690	21.78	23.00	1.324	62.9	1.006	0.11	1.890	2.518
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	ECI 4	55830	3609	21.79	23.00	1.321	62.9	1.006	-0.09	1.950	2.592
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	ECI 4	55340	3560	21.67	23.00	1.358	62.9	1.006	0.08	2.060	2.815
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	ECI 4	56150	3641	21.54	23.00	1.400	62.9	1.006	0.03	1.910	2.689
	LTE Band 48	20M	QPSK	50	0	-	Right Side	0mm	Ant 5	ECI 4	56640	3690	21.62	23.00	1.374	62.9	1.006	0.08	2.030	2.806
	LTE Band 48	20M	QPSK	100	0	-	Right Side	0mm	Ant 5	ECI 4	55830	3609	21.71	23.00	1.346	62.9	1.006	-0.05	2.010	2.721
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	641666	3624.99	20.45	21.00	1.135	-	-	0.07	1.470	1.668
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	641666	3624.99	20.28	21.00	1.180	-	-	0.06	1.360	1.605
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	7mm	Ant 4	ECI 4	641666	3624.99	23.33	24.00	1.167	-	-	0.08	1.120	1.307
119	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	641666	3624.99	21.53	22.00	1.114	-	-	-0.08	2.350	2.619
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	641666	3624.99	21.49	22.00	1.125	-	-	-0.06	2.260	2.542
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	641666	3624.99	21.41	22.00	1.146	-	-	0.06	1.760	2.016
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	11mm	Ant 2	ECI 4	641666	3624.99	23.53	24.00	1.114	-	-	-0.05	0.363	0.404
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	641666	3624.99	20.73	22.00	1.340	-	-	0.03	0.454	0.608
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	641666	3624.99	20.66	22.00	1.361	-	-	-0.17	0.389	0.530
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	641666	3624.99	20.73	22.00	1.340	-	-	0.06	1.540	2.063
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	641666	3624.99	20.66	22.00	1.361	-	-	-0.07	1.620	2.206
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	641666	3624.99	20.59	22.00	1.384	-	-	-0.11	1.570	2.172
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	641666	3624.99	20.73	22.00	1.340	-	-	0.02	0.693	0.928
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	641666	3624.99	20.66	22.00	1.361	-	-	0.07	0.614	0.836
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Back	6mm	Ant 7	ECI 4	641666	3624.99	22.65	24.00	1.365	-	-	0.05	0.513	0.700
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	9mm	Ant 7	ECI 4	641666	3624.99	22.65	24.00	1.365	-	-	0.05	0.228	0.311
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	9mm	Ant 7	ECI 4	641666	3624.99	22.62	24.00	1.374	-	-	0.06	0.316	0.434
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	11mm	Ant 7	ECI 4	641666	3624.99	22.65	24.00	1.365	-	-	0.15	0.164	0.224
	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	641666	3624.99	23.34	24.00	1.164	-	-	-0.11	1.750	2.037
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	641666	3624.99	23.29	24.00	1.178	-	-	-0.05	1.820	2.143
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	641666	3624.99	22.30	23.00	1.175	-	-	-0.09	1.600	1.880
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	20.23	21.00	1.194	-	-	0.08	1.300	1.552
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	656000	3840	20.20	21.00	1.202	-	-	-0.02	1.080	1.298
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	7mm	Ant 4	ECI 4	656000	3840	26.07	27.00	1.239	-	-	0.08	0.967	1.198
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	633334	3500.01	20.28	21.00	1.180	-	-	-0.02	1.760	2.077
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	633334	3500.01	20.23	21.00	1.194	-	-	-0.1	1.440	1.719
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 4	ECI 6	633334	3500.01	20.17	21.00	1.211	-	-	-0.02	1.690	2.046
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	7mm	Ant 4	ECI 4	633334	3500.01	26.22	27.00	1.197	-	-	0.05	1.150	1.376
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	656000	3840	20.61	21.50	1.227	-	-	-0.03	1.280	1.571
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	656000	3840	20.54	21.50	1.247	-	-	-0.03	1.400	1.746
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	11mm	Ant 2	ECI 4	656000	3840	25.91	27.00	1.285	-	-	0.06	0.566	0.727
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	11mm	Ant 2	ECI 4	656000	3840	25.88	27.00	1.294	-	-	-0.14	0.702	0.909
120	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	633334	3500.01	20.60	21.50	1.230	-	-	0.06	2.500	3.076
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	633334	3500.01	20.54	21.50	1.247	-	-	0.14	2.230	2.782
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	633334	3500.01	20.47	21.50	1.268	-	-	0.17	2.150	2.725
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	11mm	Ant 2	ECI 4	633334	3500.01	25.92	27.00	1.282	-	-	0.18	0.619	0.794
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	656000	3840	20.77	21.80	1.268	-	-	0.06	1.980	2.510
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	656000	3840	20.69	21.80	1.291	-	-	0.03	1.830	2.363
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 7	ECI 6	656000	3840	20.62	21.80	1.312	-	-	0.12	1.880	2.467
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	9mm	Ant 7	ECI 4	656000	3840	23.18	24.30	1.294	-	-	0.05	0.299	0.387
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	633334	3500.01	20.83	21.80	1.250	-	-	-0.09	0.197	0.246
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 7	ECI 6	633334	3500.01	20.76	21.80	1.271	-	-	0.07	0.181	0.230
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	633334	3500.01	20.83	21.80	1.250	-	-	0.06	0.524	0.655
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 7	ECI 6	633334	3500.01	20.76	21.80	1.271	-	-	0.02	0.511	0.649



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	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	6mm	Ant 7	ECI 4	633334	3500.01	23.25	24.30	1.274	-	-	0.06	0.256	0.326
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	11mm	Ant 7	ECI 4	633334	3500.01	23.25	24.30	1.274	-	-	-0.15	0.105	0.134
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	656000	3840	23.49	24.50	1.262	-	-	-0.07	1.260	1.590
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	656000	3840	23.41	24.50	1.285	-	-	-0.09	1.320	1.697
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 4	633334	3500.01	23.85	24.50	1.161	-	-	0.04	0.687	0.798
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 5	ECI 4	633334	3500.01	23.77	24.50	1.183	-	-	0.03	0.648	0.767
	FR1 n77 PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	633334	3500.01	23.85	24.50	1.161	-	-	-0.02	2.130	2.474
	FR1 n77 PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	633334	3500.01	23.77	24.50	1.183	-	-	-0.07	1.830	2.165
	FR1 n77 PC2	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 5	ECI 4	633334	3500.01	23.76	24.50	1.186	-	-	0.04	1.750	2.075

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)
2450MHz																
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	0.08	0.496	0.696
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	0.09	1.570	2.203
121	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+8(3)	Standalone	6	2437	19.87	21.50	1.455	99.31	1.007	-0.02	1.790	2.624
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+8(3)	Standalone	1	2412	19.93	21.50	1.435	99.31	1.007	0.04	1.610	2.327
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	-0.11	1.260	1.768
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 3+8(3)	Simultaneous	6	2437	14.83	16.50	1.469	99.31	1.007	0.03	0.691	1.022
	WLAN2.4GHz	802.11b 1Mbps	Back	6mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	0.01	0.313	0.439
	WLAN2.4GHz	802.11b 1Mbps	Right Side	9mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	0.07	0.232	0.325
	WLAN2.4GHz	802.11b 1Mbps	Top Side	11mm	Ant 3+8(8)	Standalone	11	2462	20.06	21.50	1.393	99.31	1.007	0.06	0.177	0.248
5000MHz																
	WLAN 5.2GHz	802.11n-HT40 MCS0	Front	0mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	0.01	0.311	0.474
	WLAN 5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	0.08	0.443	0.676
122	WLAN 5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	-0.01	1.290	1.968
	WLAN 5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(3)	Standalone	38	5190	12.71	14.50	1.510	93.9	1.065	-0.01	0.531	0.854
	WLAN 5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	0.07	0.624	0.952
	WLAN 5.2GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+8(3)	Simultaneous	42	5210	8.85	10.50	1.462	88.79	1.126	0.05	0.552	0.909
	WLAN 5.2GHz	802.11n-HT40 MCS0	Front	9mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	0.07	0.203	0.310
	WLAN 5.2GHz	802.11n-HT40 MCS0	Back	6mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	0.02	0.311	0.474
	WLAN 5.2GHz	802.11n-HT40 MCS0	Right Side	9mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	0.06	0.223	0.340
	WLAN 5.2GHz	802.11n-HT40 MCS0	Top Side	11mm	Ant 3+8(3)	Standalone	46	5230	17.94	19.50	1.432	93.9	1.065	0.09	0.070	0.107
	WLAN 5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	0.02	0.944	1.391
	WLAN 5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	0.09	0.404	0.595
123	WLAN 5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	-0.03	1.390	2.048
	WLAN 5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(3)	Standalone	62	5310	13.88	15.50	1.452	93.9	1.065	0.01	0.980	1.516
	WLAN 5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	0.11	0.573	0.844
	WLAN 5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(3)	Simultaneous	54	5270	14.21	15.50	1.346	93.9	1.065	0.07	0.568	0.814
	WLAN 5.3GHz	802.11n-HT40 MCS0	Front	9mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	-0.03	0.104	0.153
	WLAN 5.3GHz	802.11n-HT40 MCS0	Back	6mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	0.11	0.311	0.458
	WLAN 5.3GHz	802.11n-HT40 MCS0	Right Side	9mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	0.05	0.224	0.330
	WLAN 5.3GHz	802.11n-HT40 MCS0	Top Side	11mm	Ant 3+8(3)	Standalone	54	5270	18.09	19.50	1.384	93.9	1.065	0.02	0.086	0.127
	WLAN 5.5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	-0.17	0.619	1.005
	WLAN 5.5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	0.06	0.293	0.476
124	WLAN 5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	-0.09	1.330	2.159
	WLAN 5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(8)	Standalone	134	5670	17.64	19.50	1.535	93.9	1.065	0.04	1.260	2.059
	WLAN 5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(8)	Standalone	102	5510	12.98	14.50	1.419	93.9	1.065	0.04	0.711	1.075
	WLAN 5.5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	-0.15	0.427	0.693
	WLAN 5.5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+8(8)	Simultaneous	110	5550	13.73	15.00	1.340	93.9	1.065	-0.09	0.574	0.819
	WLAN 5.5GHz	802.11n-HT40 MCS0	Front	9mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	0.04	0.068	0.110
	WLAN 5.5GHz	802.11n-HT40 MCS0	Back	6mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	0.03	0.223	0.362
	WLAN 5.5GHz	802.11n-HT40 MCS0	Right Side	9mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	0.09	0.180	0.292
	WLAN 5.5GHz	802.11n-HT40 MCS0	Top Side	11mm	Ant 3+8(3)	Standalone	110	5550	18.17	20.00	1.524	93.9	1.065	0.05	0.058	0.094
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+8(3)	Standalone	155	5775	18.19	19.50	1.352	88.79	1.126	0.08	0.547	0.833
125	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+8(3)	Standalone	155	5775	18.19	19.50	1.352	88.79	1.126	-0.01	1.750	2.664
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+8(3)	Simultaneous	155	5775	12.71	14.00	1.346	88.79	1.126	-0.08	0.622	0.943
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Back	6mm	Ant 3+8(3)	Standalone	155	5775	18.19	19.50	1.352	88.79	1.126	0.07	0.438	0.667
	WLAN 5.8GHz	802.11ac-VHT80 MCS0	Right Side	9mm	Ant 3+8(3)	Standalone	155	5775	18.19	19.50	1.352	88.79	1.126	0.01	0.281	0.428

16.5 Repeated SAR Measurement

<1g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	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	WLAN5GHz	-	-	-	-	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 3+8(3)	Receiver on	54	5270	15.77	17.00	1.327	93.9	1.065	-0.09	0.835	1	1.180
2st	WLAN5GHz	-	-	-	-	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 3+8(3)	Receiver on	54	5270	15.77	17.00	1.327	93.9	1.065	0.04	0.811	1.030	1.146
1st	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	23230	782	23.05	24.00	1.245	-	-	-0.09	1.080	1	1.344
2st	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECI 7	23230	782	23.05	24.00	1.245	-	-	0.05	1.010	1.069	1.257
1st	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 7	251	848.8	24.90	26.00	1.288	-	-	-0.03	0.983	1	1.266
2st	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECI 7	251	848.8	24.90	26.00	1.288	-	-	0.05	0.965	1.019	1.243
1st	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	15.23	16.00	1.194	-	-	-0.05	1.070	1	1.278
2st	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	132322	1745	15.23	16.00	1.194	-	-	0.01	0.988	1.083	1.180
1st	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	26590	1905	14.15	15.00	1.216	-	-	-0.06	1.060	1	1.289
2st	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	ECI 7	26590	1905	14.15	15.00	1.216	-	-	0.03	0.951	1.115	1.157
1st	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	507000	2535	17.87	19.00	1.297	-	-	0.01	1.110	1	1.440
2st	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	ECI 7	507000	2535	17.87	19.00	1.297	-	-	0.08	1.030	1.078	1.336
1st	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	641666	3624.99	21.27	22.00	1.183	-	-	-0.02	1.040	1	1.230
2st	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	641666	3624.99	21.27	22.00	1.183	-	-	0.05	0.962	1.081	1.138
1st	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	633334	3500.01	19.89	20.50	1.151	-	-	-0.08	0.987	1	1.136
2st	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 5	ECI 7	633334	3500.01	19.89	20.50	1.151	-	-	0.06	0.966	1.022	1.112
1st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	462000	2310	18.87	19.50	1.156	-	-	0.09	1.010	1	1.168
2st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 3	462000	2310	18.87	19.50	1.156	-	-	0.05	0.932	1.084	1.077
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 3	656000	3840	22.03	23.00	1.250	-	-	0.05	0.860	1	1.075
2st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	ECI 3	656000	3840	22.03	23.00	1.250	-	-	0.09	0.849	1.013	1.061
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	5mm	Ant 3+8(3)	Standalone	1	2412	17.56	19.00	1.393	99.31	1.007	-0.04	0.836	1	1.173
2st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	5mm	Ant 3+8(3)	Standalone	1	2412	17.56	19.00	1.393	99.31	1.007	0.07	0.814	1.027	1.142

<10g>

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	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	251	848.8	28.10	29.50	1.380	-	-	0.12	2.290	1	3.161
2st	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	251	848.8	28.10	29.50	1.380	-	-	0.05	2.130	1.075	2.940
1st	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	23.24	24.00	1.191	-	-	-0.04	2.590	1	3.085
2st	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	349000	1745	23.24	24.00	1.191	-	-	0.08	2.330	1.112	2.776
1st	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	810	1909.8	23.41	24.50	1.285	-	-	0.09	2.530	1	3.252
2st	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	810	1909.8	23.41	24.50	1.285	-	-	0.03	2.380	1.063	3.059
1st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	462000	2310	23.42	24.00	1.143	-	-	0.02	2.360	1	2.697
2st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant 0	ECI 6	462000	2310	23.42	24.00	1.143	-	-	0.05	2.140	1.103	2.446
1st	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	518598	2592.99	21.46	23.00	1.426	-	-	-0.03	2.450	1	3.493
2st	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	518598	2592.99	21.46	23.00	1.426	-	-	0.05	2.310	1.061	3.293
1st	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	641666	3624.99	21.53	22.00	1.114	-	-	-0.08	2.350	1	2.619
2st	FR1 n48	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	641666	3624.99	21.53	22.00	1.114	-	-	-0.08	2.180	1.078	2.429
1st	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	633334	3500.01	20.60	21.50	1.230	-	-	0.06	2.500	1	3.076
2st	FR1 n77	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECI 6	633334	3500.01	20.60	21.50	1.230	-	-	0.09	2.380	1.050	2.928

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.

16.6 TDD LTE Linearity Data Analysis

General Note:

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

LTE B41-Linearity Data for Head Ant0			LTE B41-Linearity Data for Head Ant1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	17.40	19.00
Reported 1g SAR (W/kg)	0.030	0.040	Reported 1g SAR (W/kg)	0.814	0.881
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	34.79	34.39
Linearity SAR (W/kg)	0.041		Linearity SAR (W/kg)	0.805	
% deviation from expected linearity		-2.31%	% deviation from expected linearity		9.46%
LTE B41-Linearity Data for Body-worn Ant0			LTE B41-Linearity Data for Body-worn Ant1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	21.40	23.00	Maximum Tune up Power (dBm)	17.90	19.50
Reported 1g SAR (W/kg)	1.016	1.091	Reported 1g SAR (W/kg)	0.805	0.863
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	87.38	86.39	Frame Averaged (mW)	39.03	38.59
Linearity SAR (W/kg)	1.005		Linearity SAR (W/kg)	0.796	
% deviation from expected linearity		8.60%	% deviation from expected linearity		8.43%
LTE B41-Linearity Data for Hotspot Ant0			LTE B41-Linearity Data for Hotspot Ant1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	20.40	22.00	Maximum Tune up Power (dBm)	15.40	17.00
Reported 1g SAR (W/kg)	1.062	1.122	Reported 1g SAR (W/kg)	0.559	0.576
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	69.41	68.63	Frame Averaged (mW)	21.95	21.70
Linearity SAR (W/kg)	1.050		Linearity SAR (W/kg)	0.553	
% deviation from expected linearity		6.85%	% deviation from expected linearity		4.21%
LTE B41-Linearity Data for Extremity Ant0			LTE B41-Linearity Data for Extremity Ant1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	26.00	Maximum Tune up Power (dBm)	20.40	22.00
Reported 10g SAR (W/kg)	2.121	2.496	Reported 10g SAR (W/kg)	2.131	2.202
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	172.38	Frame Averaged (mW)	69.41	68.63
Linearity SAR (W/kg)	2.299		Linearity SAR (W/kg)	2.107	
% deviation from expected linearity		8.55%	% deviation from expected linearity		4.51%

LTE B41-Linearity Data for Head Ant2			LTE B41-Linearity Data for Head Ant6		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	23.90	25.50
Reported 1g SAR (W/kg)	0.080	0.107	Reported 1g SAR (W/kg)	0.915	0.990
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	155.38	153.63
Linearity SAR (W/kg)	0.109		Linearity SAR (W/kg)	0.905	
% deviation from expected linearity		-2.00%	% deviation from expected linearity		9.43%
LTE B41-Linearity Data for Body-worn Ant2			LTE B41-Linearity Data for Body-worn Ant6		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	23.40	25.00
Reported 1g SAR (W/kg)	0.553	0.718	Reported 1g SAR (W/kg)	0.850	0.899
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	138.49	136.93
Linearity SAR (W/kg)	0.755		Linearity SAR (W/kg)	0.840	
% deviation from expected linearity		-4.87%	% deviation from expected linearity		6.97%
LTE B41-Linearity Data for Hotspot Ant2			LTE B41-Linearity Data for Hotspot Ant6		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)		LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00	Maximum Tune up Power (dBm)	19.40	21.00
Reported 1g SAR (W/kg)	0.847	1.121	Reported 1g SAR (W/kg)	0.528	0.564
Duty Cycle	63.30%	43.30%	Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01	Frame Averaged (mW)	55.13	54.51
Linearity SAR (W/kg)	1.156		Linearity SAR (W/kg)	0.522	
% deviation from expected linearity		-3.03%	% deviation from expected linearity		8.03%

LTE B41-Linearity Data for Extremity Ant6		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	1.845	2.379
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	2.518	
% deviation from expected linearity		-5.53%

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + WLAN6GHz	Yes	Yes	Yes	Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz Ant.8 + Bluetooth	Yes	Yes	Yes	Yes
6.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
7.	WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
8.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
9.	WWAN + WLAN6GHz+ Bluetooth	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz Ant.8 + Bluetooth	Yes	Yes	Yes	Yes
11.	WWAN + WLAN2.4GHz +NFC				Yes
12.	WWAN + WLAN5GHz+NFC				Yes
13.	WWAN + WLAN6GHz+NFC				Yes
14.	WWAN + Bluetooth+NFC				Yes
15.	WLAN2.4GHz Ant.8 + Bluetooth+NFC				Yes
16.	WLAN5GHz+ Bluetooth+NFC				Yes
17.	WLAN6GHz+ Bluetooth+NFC				Yes
18.	WWAN + WLAN5GHz+ Bluetooth+NFC				Yes
19.	WWAN + WLAN6GHz+ Bluetooth+NFC				Yes
20.	WWAN + WLAN2.4GHz Ant.8 + Bluetooth+NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO and MIMO antenna mode.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, MediaTek TA-SAR algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. TA-SAR algorithm controls the total RF exposure from both 4G and 5G NR to not exceed SAR exposure limit. In this Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only). WLAN6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 2.4GHz Ant.8 and Bluetooth can transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
- The maximum SAR summation is calculated based on the same configuration and test position.
- For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within the selected antenna for Hotspot SAR and body-worn SAR each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2

transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.

21. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR , simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - v) The SPLSR calculated results please refer to section 18.6.
22. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis per KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has include TER analysis requirement according to KDB 987594.

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

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

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

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

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

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and $A \leq 1.0$; B is normalized reported time-averaged exposure ratio from 5G NR (i.e., PD exposure for 5G FR2 or SAR exposure for 5G FR1), and $B \leq 1.0$.

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

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

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

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

If $A + m \leq 1.0$ and $B + m \leq 1.0$ can be proven, then " $x \cdot A + y \cdot B + m \leq 1.0$ ". Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

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

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

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

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

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

Above analysis is also apply to LTE/NR inter-band uplink, LTE(NR)1 + LTE(NR)2 + WLAN + BT simultaneous transmission, So inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE/NR + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, So UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.

17.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+7	1+4+6	1+5+6
		WWAN	WLAN2.4GHz Ant 3+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 3+8	WLAN6GHz Ant 3+8	Bluetooth Ant 3	Bluetooth Ant 3 For Simultaneous	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Right Cheek	0.685	0.349	0.022	0.390	0.219	0.136	0.001	1.03	0.71	1.21	1.04
	Right Tilted	0.295	0.349	0.026	0.390	0.157	0.136	0.001	0.64	0.32	0.82	0.59
	Left Cheek	0.486	0.349	0.053	0.390	0.333	0.136	0.001	0.84	0.54	1.01	0.96
	Left Tilted	0.310	0.349	0.061	0.390	0.197	0.136	0.001	0.66	0.37	0.84	0.64
GSM1900 Ant 0	Right Cheek	0.072	0.349	0.022	0.390	0.219	0.136	0.001	0.42	0.10	0.60	0.43
	Right Tilted	0.070	0.349	0.026	0.390	0.157	0.136	0.001	0.42	0.10	0.60	0.36
	Left Cheek	0.132	0.349	0.053	0.390	0.333	0.136	0.001	0.48	0.19	0.66	0.60
	Left Tilted	0.058	0.349	0.061	0.390	0.197	0.136	0.001	0.41	0.12	0.58	0.39
WCDMA II Ant 0	Right Cheek	0.146	0.349	0.022	0.390	0.219	0.136	0.001	0.50	0.17	0.67	0.50
	Right Tilted	0.121	0.349	0.026	0.390	0.157	0.136	0.001	0.47	0.15	0.65	0.41
	Left Cheek	0.222	0.349	0.053	0.390	0.333	0.136	0.001	0.57	0.28	0.75	0.69
	Left Tilted	0.115	0.349	0.061	0.390	0.197	0.136	0.001	0.46	0.18	0.64	0.45
WCDMA IV Ant 0	Right Cheek	0.132	0.349	0.022	0.390	0.219	0.136	0.001	0.48	0.16	0.66	0.49
	Right Tilted	0.089	0.349	0.026	0.390	0.157	0.136	0.001	0.44	0.12	0.62	0.38
	Left Cheek	0.120	0.349	0.053	0.390	0.333	0.136	0.001	0.47	0.17	0.65	0.59
	Left Tilted	0.085	0.349	0.061	0.390	0.197	0.136	0.001	0.43	0.15	0.61	0.42
WCDMA V Ant 0	Right Cheek	0.448	0.349	0.022	0.390	0.219	0.136	0.001	0.80	0.47	0.97	0.80
	Right Tilted	0.245	0.349	0.026	0.390	0.157	0.136	0.001	0.59	0.27	0.77	0.54
	Left Cheek	0.307	0.349	0.053	0.390	0.333	0.136	0.001	0.66	0.36	0.83	0.78
	Left Tilted	0.233	0.349	0.061	0.390	0.197	0.136	0.001	0.58	0.30	0.76	0.57
LTE Band 7 Ant 0	Right Cheek	0.085	0.349	0.022	0.390	0.219	0.136	0.001	0.43	0.11	0.61	0.44
	Right Tilted	0.001	0.349	0.026	0.390	0.157	0.136	0.001	0.35	0.03	0.53	0.29
	Left Cheek	0.077	0.349	0.053	0.390	0.333	0.136	0.001	0.43	0.13	0.60	0.55
	Left Tilted	0.039	0.349	0.061	0.390	0.197	0.136	0.001	0.39	0.10	0.57	0.37
LTE Band 7 Ant 1	Right Cheek	0.647	0.349	0.022	0.390	0.219	0.136	0.001	1.00	0.67	1.17	1.00
	Right Tilted	0.847	0.349	0.026	0.390	0.157	0.136	0.001	1.20	0.87	1.37	1.14
	Left Cheek	0.442	0.349	0.053	0.390	0.333	0.136	0.001	0.79	0.50	0.97	0.91
	Left Tilted	0.551	0.349	0.061	0.390	0.197	0.136	0.001	0.90	0.61	1.08	0.88
LTE Band 12 Ant 0	Right Cheek	0.259	0.349	0.022	0.390	0.219	0.136	0.001	0.61	0.28	0.79	0.61
	Right Tilted	0.152	0.349	0.026	0.390	0.157	0.136	0.001	0.50	0.18	0.68	0.45
	Left Cheek	0.228	0.349	0.053	0.390	0.333	0.136	0.001	0.58	0.28	0.75	0.70
	Left Tilted	0.157	0.349	0.061	0.390	0.197	0.136	0.001	0.51	0.22	0.68	0.49
LTE Band 12 Ant 1	Right Cheek	0.858	0.349	0.022	0.390	0.219	0.136	0.001	1.21	0.88	1.38	1.21
	Right Tilted	0.795	0.349	0.026	0.390	0.157	0.136	0.001	1.14	0.82	1.32	1.09
	Left Cheek	0.336	0.349	0.053	0.390	0.333	0.136	0.001	0.69	0.39	0.86	0.81
	Left Tilted	0.377	0.349	0.061	0.390	0.197	0.136	0.001	0.73	0.44	0.90	0.71
LTE Band 13 Ant 0	Right Cheek	0.285	0.349	0.022	0.390	0.219	0.136	0.001	0.63	0.31	0.81	0.64
	Right Tilted	0.167	0.349	0.026	0.390	0.157	0.136	0.001	0.52	0.19	0.69	0.46
	Left Cheek	0.215	0.349	0.053	0.390	0.333	0.136	0.001	0.56	0.27	0.74	0.68
	Left Tilted	0.152	0.349	0.061	0.390	0.197	0.136	0.001	0.50	0.21	0.68	0.49
LTE Band 13 Ant 1	Right Cheek	0.695	0.349	0.022	0.390	0.219	0.136	0.001	1.04	0.72	1.22	1.05
	Right Tilted	0.685	0.349	0.026	0.390	0.157	0.136	0.001	1.03	0.71	1.21	0.98
	Left Cheek	0.182	0.349	0.053	0.390	0.333	0.136	0.001	0.53	0.24	0.71	0.65
	Left Tilted	0.350	0.349	0.061	0.390	0.197	0.136	0.001	0.70	0.41	0.88	0.68
LTE Band 14 Ant 0	Right Cheek	0.377	0.349	0.022	0.390	0.219	0.136	0.001	0.73	0.40	0.90	0.73
	Right Tilted	0.208	0.349	0.026	0.390	0.157	0.136	0.001	0.56	0.24	0.73	0.50
	Left Cheek	0.281	0.349	0.053	0.390	0.333	0.136	0.001	0.63	0.34	0.81	0.75
	Left Tilted	0.200	0.349	0.061	0.390	0.197	0.136	0.001	0.55	0.26	0.73	0.53
LTE Band	Right Cheek	0.741	0.349	0.022	0.390	0.219	0.136	0.001	1.09	0.76	1.27	1.10



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14 Ant 1	Right Tilted	0.716	0.349	0.026	0.390	0.157	0.136	0.001	1.07	0.74	1.24	1.01
	Left Cheek	0.339	0.349	0.053	0.390	0.333	0.136	0.001	0.69	0.39	0.87	0.81
	Left Tilted	0.369	0.349	0.061	0.390	0.197	0.136	0.001	0.72	0.43	0.90	0.70
LTE Band 25 Ant 0	Right Cheek	0.099	0.349	0.022	0.390	0.219	0.136	0.001	0.45	0.12	0.63	0.45
	Right Tilted	0.081	0.349	0.026	0.390	0.157	0.136	0.001	0.43	0.11	0.61	0.37
	Left Cheek	0.158	0.349	0.053	0.390	0.333	0.136	0.001	0.51	0.21	0.68	0.63
	Left Tilted	0.072	0.349	0.061	0.390	0.197	0.136	0.001	0.42	0.13	0.60	0.41
LTE Band 25 Ant 1	Right Cheek	0.759	0.349	0.022	0.390	0.219	0.136	0.001	1.11	0.78	1.29	1.11
	Right Tilted	0.922	0.349	0.026	0.390	0.157	0.136	0.001	1.27	0.95	1.45	1.22
	Left Cheek	0.498	0.349	0.053	0.390	0.333	0.136	0.001	0.85	0.55	1.02	0.97
	Left Tilted	0.560	0.349	0.061	0.390	0.197	0.136	0.001	0.91	0.62	1.09	0.89
LTE Band 26 Ant 0	Right Cheek	0.311	0.349	0.022	0.390	0.219	0.136	0.001	0.66	0.33	0.84	0.67
	Right Tilted	0.159	0.349	0.026	0.390	0.157	0.136	0.001	0.51	0.19	0.69	0.45
	Left Cheek	0.213	0.349	0.053	0.390	0.333	0.136	0.001	0.56	0.27	0.74	0.68
	Left Tilted	0.153	0.349	0.061	0.390	0.197	0.136	0.001	0.50	0.22	0.68	0.49
LTE Band 26 Ant 1	Right Cheek	0.933	0.349	0.022	0.390	0.219	0.136	0.001	1.28	0.96	1.46	1.29
	Right Tilted	0.887	0.349	0.026	0.390	0.157	0.136	0.001	1.24	0.91	1.41	1.18
	Left Cheek	0.418	0.349	0.053	0.390	0.333	0.136	0.001	0.77	0.47	0.94	0.89
	Left Tilted	0.505	0.349	0.061	0.390	0.197	0.136	0.001	0.85	0.57	1.03	0.84
LTE Band 30 Ant 0	Right Cheek	0.063	0.349	0.022	0.390	0.219	0.136	0.001	0.41	0.09	0.59	0.42
	Right Tilted	0.048	0.349	0.026	0.390	0.157	0.136	0.001	0.40	0.08	0.57	0.34
	Left Cheek	0.072	0.349	0.053	0.390	0.333	0.136	0.001	0.42	0.13	0.60	0.54
	Left Tilted	0.001	0.349	0.061	0.390	0.197	0.136	0.001	0.35	0.06	0.53	0.33
LTE Band 30 Ant 1	Right Cheek	0.693	0.349	0.022	0.390	0.219	0.136	0.001	1.04	0.72	1.22	1.05
	Right Tilted	0.827	0.349	0.026	0.390	0.157	0.136	0.001	1.18	0.85	1.35	1.12
	Left Cheek	0.550	0.349	0.053	0.390	0.333	0.136	0.001	0.90	0.60	1.08	1.02
	Left Tilted	0.555	0.349	0.061	0.390	0.197	0.136	0.001	0.90	0.62	1.08	0.89
LTE Band 41 Ant 0	Right Cheek	0.001	0.349	0.022	0.390	0.219	0.136	0.001	0.35	0.02	0.53	0.36
	Right Tilted	0.040	0.349	0.026	0.390	0.157	0.136	0.001	0.39	0.07	0.57	0.33
	Left Cheek	0.001	0.349	0.053	0.390	0.333	0.136	0.001	0.35	0.06	0.53	0.47
	Left Tilted	0.025	0.349	0.061	0.390	0.197	0.136	0.001	0.37	0.09	0.55	0.36
LTE Band 41 Ant 1	Right Cheek	0.529	0.349	0.022	0.390	0.219	0.136	0.001	0.88	0.55	1.06	0.88
	Right Tilted	0.881	0.349	0.026	0.390	0.157	0.136	0.001	1.23	0.91	1.41	1.17
	Left Cheek	0.375	0.349	0.053	0.390	0.333	0.136	0.001	0.72	0.43	0.90	0.84
	Left Tilted	0.489	0.349	0.061	0.390	0.197	0.136	0.001	0.84	0.55	1.02	0.82
LTE Band 41 Ant 2	Right Cheek	0.055	0.349	0.022	0.390	0.219	0.136	0.001	0.40	0.08	0.58	0.41
	Right Tilted	0.001	0.349	0.026	0.390	0.157	0.136	0.001	0.35	0.03	0.53	0.29
	Left Cheek	0.107	0.349	0.053	0.390	0.333	0.136	0.001	0.46	0.16	0.63	0.58
	Left Tilted	0.001	0.349	0.061	0.390	0.197	0.136	0.001	0.35	0.06	0.53	0.33
LTE Band 41 Ant 6	Right Cheek	0.724	0.349	0.022	0.390	0.219	0.136	0.001	1.07	0.75	1.25	1.08
	Right Tilted	0.166	0.349	0.026	0.390	0.157	0.136	0.001	0.52	0.19	0.69	0.46
	Left Cheek	0.990	0.349	0.053	0.390	0.333	0.136	0.001	1.34	1.04	1.52	1.46
	Left Tilted	0.089	0.349	0.061	0.390	0.197	0.136	0.001	0.44	0.15	0.62	0.42
LTE Band 48 Ant 2	Right Cheek	0.469	0.349	0.022	0.390	0.219	0.136	0.001	0.82	0.49	1.00	0.82
	Right Tilted	0.748	0.349	0.026	0.390	0.157	0.136	0.001	1.10	0.78	1.27	1.04
	Left Cheek	0.597	0.349	0.053	0.390	0.333	0.136	0.001	0.95	0.65	1.12	1.07
	Left Tilted	0.493	0.349	0.061	0.390	0.197	0.136	0.001	0.84	0.56	1.02	0.83
LTE Band 48 Ant 4	Right Cheek	0.899	0.349	0.022	0.390	0.219	0.136	0.001	1.25	0.92	1.43	1.25
	Right Tilted	0.348	0.349	0.026	0.390	0.157	0.136	0.001	0.70	0.38	0.87	0.64
	Left Cheek	0.224	0.349	0.053	0.390	0.333	0.136	0.001	0.57	0.28	0.75	0.69
	Left Tilted	0.173	0.349	0.061	0.390	0.197	0.136	0.001	0.52	0.24	0.70	0.51
LTE Band 48 Ant 7	Right Cheek	0.258	0.349	0.022	0.390	0.219	0.136	0.001	0.61	0.28	0.78	0.61
	Right Tilted	0.221	0.349	0.026	0.390	0.157	0.136	0.001	0.57	0.25	0.75	0.51
	Left Cheek	0.895	0.349	0.053	0.390	0.333	0.136	0.001	1.24	0.95	1.42	1.36
	Left Tilted	0.324	0.349	0.061	0.390	0.197	0.136	0.001	0.67	0.39	0.85	0.66
LTE Band	Right Cheek	0.290	0.349	0.022	0.390	0.219	0.136	0.001	0.64	0.31	0.82	0.65



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48 Ant 5	Right Tilted	0.121	0.349	0.026	0.390	0.157	0.136	0.001	0.47	0.15	0.65	0.41
	Left Cheek	0.187	0.349	0.053	0.390	0.333	0.136	0.001	0.54	0.24	0.71	0.66
	Left Tilted	0.178	0.349	0.061	0.390	0.197	0.136	0.001	0.53	0.24	0.70	0.51
LTE Band 66 Ant 0	Right Cheek	0.119	0.349	0.022	0.390	0.219	0.136	0.001	0.47	0.14	0.65	0.47
	Right Tilted	0.070	0.349	0.026	0.390	0.157	0.136	0.001	0.42	0.10	0.60	0.36
	Left Cheek	0.109	0.349	0.053	0.390	0.333	0.136	0.001	0.46	0.16	0.64	0.58
LTE Band 66 Ant 1	Left Tilted	0.071	0.349	0.061	0.390	0.197	0.136	0.001	0.42	0.13	0.60	0.40
	Right Cheek	0.635	0.349	0.022	0.390	0.219	0.136	0.001	0.98	0.66	1.16	0.99
	Right Tilted	0.785	0.349	0.026	0.390	0.157	0.136	0.001	1.13	0.81	1.31	1.08
LTE Band 71 Ant 0	Left Cheek	0.319	0.349	0.053	0.390	0.333	0.136	0.001	0.67	0.37	0.85	0.79
	Left Tilted	0.378	0.349	0.061	0.390	0.197	0.136	0.001	0.73	0.44	0.90	0.71
	Right Cheek	0.303	0.349	0.022	0.390	0.219	0.136	0.001	0.65	0.33	0.83	0.66
LTE Band 71 Ant 1	Right Tilted	0.177	0.349	0.026	0.390	0.157	0.136	0.001	0.53	0.20	0.70	0.47
	Left Cheek	0.275	0.349	0.053	0.390	0.333	0.136	0.001	0.62	0.33	0.80	0.74
	Left Tilted	0.195	0.349	0.061	0.390	0.197	0.136	0.001	0.54	0.26	0.72	0.53
LTE Band 71 Ant 1	Right Cheek	0.777	0.349	0.022	0.390	0.219	0.136	0.001	1.13	0.80	1.30	1.13
	Right Tilted	0.791	0.349	0.026	0.390	0.157	0.136	0.001	1.14	0.82	1.32	1.08
	Left Cheek	0.316	0.349	0.053	0.390	0.333	0.136	0.001	0.67	0.37	0.84	0.79
	Left Tilted	0.367	0.349	0.061	0.390	0.197	0.136	0.001	0.72	0.43	0.89	0.70

FR1 Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+7	1+4+6	1+5+6
		FR1	WLAN2.4GHz Ant 3+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 3+8	WLAN6GHz Ant 3+8	Bluetooth Ant 3	Bluetooth Ant 3 For Simultaneous				
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
FR1 n7 Ant 0	Right Cheek	0.063	0.349	0.022	0.390	0.219	0.136	0.001	0.41	0.09	0.59	0.42
	Right Tilted	0.001	0.349	0.026	0.390	0.157	0.136	0.001	0.35	0.03	0.53	0.29
	Left Cheek	0.061	0.349	0.053	0.390	0.333	0.136	0.001	0.41	0.12	0.59	0.53
	Left Tilted	0.050	0.349	0.061	0.390	0.197	0.136	0.001	0.40	0.11	0.58	0.38
FR1 n7 Ant 1	Right Cheek	0.640	0.349	0.022	0.390	0.219	0.136	0.001	0.99	0.66	1.17	1.00
	Right Tilted	0.836	0.349	0.026	0.390	0.157	0.136	0.001	1.19	0.86	1.36	1.13
	Left Cheek	0.460	0.349	0.053	0.390	0.333	0.136	0.001	0.81	0.51	0.99	0.93
	Left Tilted	0.566	0.349	0.061	0.390	0.197	0.136	0.001	0.92	0.63	1.09	0.90
FR1 n12 Ant 0	Right Cheek	0.158	0.349	0.022	0.390	0.219	0.136	0.001	0.51	0.18	0.68	0.51
	Right Tilted	0.090	0.349	0.026	0.390	0.157	0.136	0.001	0.44	0.12	0.62	0.38
	Left Cheek	0.136	0.349	0.053	0.390	0.333	0.136	0.001	0.49	0.19	0.66	0.61
	Left Tilted	0.088	0.349	0.061	0.390	0.197	0.136	0.001	0.44	0.15	0.61	0.42
FR1 n12 Ant 1	Right Cheek	0.760	0.349	0.022	0.390	0.219	0.136	0.001	1.11	0.78	1.29	1.12
	Right Tilted	0.818	0.349	0.026	0.390	0.157	0.136	0.001	1.17	0.85	1.34	1.11
	Left Cheek	0.338	0.349	0.053	0.390	0.333	0.136	0.001	0.69	0.39	0.86	0.81
	Left Tilted	0.415	0.349	0.061	0.390	0.197	0.136	0.001	0.76	0.48	0.94	0.75
FR1 n14 Ant 0	Right Cheek	0.132	0.349	0.022	0.390	0.219	0.136	0.001	0.48	0.16	0.66	0.49
	Right Tilted	0.067	0.349	0.026	0.390	0.157	0.136	0.001	0.42	0.09	0.59	0.36
	Left Cheek	0.102	0.349	0.053	0.390	0.333	0.136	0.001	0.45	0.16	0.63	0.57
	Left Tilted	0.069	0.349	0.061	0.390	0.197	0.136	0.001	0.42	0.13	0.60	0.40
FR1 n14 Ant 1	Right Cheek	0.859	0.349	0.022	0.390	0.219	0.136	0.001	1.21	0.88	1.39	1.21
	Right Tilted	0.875	0.349	0.026	0.390	0.157	0.136	0.001	1.22	0.90	1.40	1.17
	Left Cheek	0.415	0.349	0.053	0.390	0.333	0.136	0.001	0.76	0.47	0.94	0.88
	Left Tilted	0.468	0.349	0.061	0.390	0.197	0.136	0.001	0.82	0.53	0.99	0.80
FR1 n25 Ant 0	Right Cheek	0.089	0.349	0.022	0.390	0.219	0.136	0.001	0.44	0.11	0.62	0.44
	Right Tilted	0.076	0.349	0.026	0.390	0.157	0.136	0.001	0.43	0.10	0.60	0.37
	Left Cheek	0.142	0.349	0.053	0.390	0.333	0.136	0.001	0.49	0.20	0.67	0.61
	Left Tilted	0.062	0.349	0.061	0.390	0.197	0.136	0.001	0.41	0.12	0.59	0.40
FR1 n25 Ant 1	Right Cheek	0.891	0.349	0.022	0.390	0.219	0.136	0.001	1.24	0.91	1.42	1.25
	Right Tilted	0.932	0.349	0.026	0.390	0.157	0.136	0.001	1.28	0.96	1.46	1.23



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FR1 n30 Ant 0	Left Cheek	0.569	0.349	0.053	0.390	0.333	0.136	0.001	0.92	0.62	1.10	1.04
	Left Tilted	0.663	0.349	0.061	0.390	0.197	0.136	0.001	1.01	0.73	1.19	1.00
FR1 n30 Ant 1	Right Cheek	0.001	0.349	0.022	0.390	0.219	0.136	0.001	0.35	0.02	0.53	0.36
	Right Tilted	0.052	0.349	0.026	0.390	0.157	0.136	0.001	0.40	0.08	0.58	0.35
FR1 n41 Ant 0	Left Cheek	0.074	0.349	0.053	0.390	0.333	0.136	0.001	0.42	0.13	0.60	0.54
	Left Tilted	0.001	0.349	0.061	0.390	0.197	0.136	0.001	0.35	0.06	0.53	0.33
FR1 n41 Ant 1	Right Cheek	0.850	0.349	0.022	0.390	0.219	0.136	0.001	1.20	0.87	1.38	1.21
	Right Tilted	0.877	0.349	0.026	0.390	0.157	0.136	0.001	1.23	0.90	1.40	1.17
FR1 n41 Ant 2	Left Cheek	0.634	0.349	0.053	0.390	0.333	0.136	0.001	0.98	0.69	1.16	1.10
	Left Tilted	0.622	0.349	0.061	0.390	0.197	0.136	0.001	0.97	0.68	1.15	0.96
FR1 n41 Ant 6	Right Cheek	0.096	0.349	0.022	0.390	0.219	0.136	0.001	0.45	0.12	0.62	0.45
	Right Tilted	0.001	0.349	0.026	0.390	0.157	0.136	0.001	0.35	0.03	0.53	0.29
FR1 n41 Ant 2	Left Cheek	0.086	0.349	0.053	0.390	0.333	0.136	0.001	0.44	0.14	0.61	0.56
	Left Tilted	0.057	0.349	0.061	0.390	0.197	0.136	0.001	0.41	0.12	0.58	0.39
FR1 n41 Ant 6	Right Cheek	0.789	0.349	0.022	0.390	0.219	0.136	0.001	1.14	0.81	1.32	1.14
	Right Tilted	0.921	0.349	0.026	0.390	0.157	0.136	0.001	1.27	0.95	1.45	1.21
FR1 n41 Ant 2	Left Cheek	0.538	0.349	0.053	0.390	0.333	0.136	0.001	0.89	0.59	1.06	1.01
	Left Tilted	0.645	0.349	0.061	0.390	0.197	0.136	0.001	0.99	0.71	1.17	0.98
FR1 n41 Ant 6	Right Cheek	0.144	0.349	0.022	0.390	0.219	0.136	0.001	0.49	0.17	0.67	0.50
	Right Tilted	0.088	0.349	0.026	0.390	0.157	0.136	0.001	0.44	0.12	0.61	0.38
FR1 n41 Ant 2	Left Cheek	0.223	0.349	0.053	0.390	0.333	0.136	0.001	0.57	0.28	0.75	0.69
	Left Tilted	0.086	0.349	0.061	0.390	0.197	0.136	0.001	0.44	0.15	0.61	0.42
FR1 n41 Ant 6	Right Cheek	0.689	0.349	0.022	0.390	0.219	0.136	0.001	1.04	0.71	1.22	1.04
	Right Tilted	0.258	0.349	0.026	0.390	0.157	0.136	0.001	0.61	0.29	0.78	0.55
FR1 n41 Ant 6	Left Cheek	0.915	0.349	0.053	0.390	0.333	0.136	0.001	1.26	0.97	1.44	1.38
	Left Tilted	0.117	0.349	0.061	0.390	0.197	0.136	0.001	0.47	0.18	0.64	0.45
FR1 n26 Ant 0	Right Cheek	0.233	0.349	0.022	0.390	0.219	0.136	0.001	0.58	0.26	0.76	0.59
	Right Tilted	0.117	0.349	0.026	0.390	0.157	0.136	0.001	0.47	0.14	0.64	0.41
FR1 n26 Ant 0	Left Cheek	0.161	0.349	0.053	0.390	0.333	0.136	0.001	0.51	0.22	0.69	0.63
	Left Tilted	0.115	0.349	0.061	0.390	0.197	0.136	0.001	0.46	0.18	0.64	0.45
FR1 n26 Ant 1	Right Cheek	0.921	0.349	0.022	0.390	0.219	0.136	0.001	1.27	0.94	1.45	1.28
	Right Tilted	0.994	0.349	0.026	0.390	0.157	0.136	0.001	1.34	1.02	1.52	1.29
FR1 n26 Ant 1	Left Cheek	0.431	0.349	0.053	0.390	0.333	0.136	0.001	0.78	0.49	0.96	0.90
	Left Tilted	0.514	0.349	0.061	0.390	0.197	0.136	0.001	0.86	0.58	1.04	0.85

FR1 Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+3+7	1+4+6	1+5+6
		FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 3+8 1g SAR (W/kg)	WLAN2.4GHz Ant 8 1g SAR (W/kg)	WLAN5GHz Ant 3+8 1g SAR (W/kg)	WLAN6GHz Ant 3+8 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 3 For Simultaneous 1g SAR (W/kg)				
FR1 n48 Ant 4	Right Cheek	0.755	0.349	0.022	0.390	0.219	0.136	0.001	1.10	0.78	1.28	1.11
	Right Tilted	0.319	0.349	0.026	0.390	0.157	0.136	0.001	0.67	0.35	0.85	0.61
	Left Cheek	0.204	0.349	0.053	0.390	0.333	0.136	0.001	0.55	0.26	0.73	0.67
	Left Tilted	0.132	0.349	0.061	0.390	0.197	0.136	0.001	0.48	0.19	0.66	0.47
FR1 n48 Ant 2	Right Cheek	0.369	0.349	0.022	0.390	0.219	0.136	0.001	0.72	0.39	0.90	0.72
	Right Tilted	0.420	0.349	0.026	0.390	0.157	0.136	0.001	0.77	0.45	0.95	0.71
	Left Cheek	0.611	0.349	0.053	0.390	0.333	0.136	0.001	0.96	0.67	1.14	1.08
	Left Tilted	0.264	0.349	0.061	0.390	0.197	0.136	0.001	0.61	0.33	0.79	0.60
FR1 n48 Ant 7	Right Cheek	0.414	0.349	0.022	0.390	0.219	0.136	0.001	0.76	0.44	0.94	0.77
	Right Tilted	0.324	0.349	0.026	0.390	0.157	0.136	0.001	0.67	0.35	0.85	0.62
	Left Cheek	0.958	0.349	0.053	0.390	0.333	0.136	0.001	1.31	1.01	1.48	1.43
	Left Tilted	0.531	0.349	0.061	0.390	0.197	0.136	0.001	0.88	0.59	1.06	0.86
FR1 n48 Ant 5	Right Cheek	0.349	0.349	0.022	0.390	0.219	0.136	0.001	0.70	0.37	0.88	0.70
	Right Tilted	0.001	0.349	0.026	0.390	0.157	0.136	0.001	0.35	0.03	0.53	0.29
	Left Cheek	0.035	0.349	0.053	0.390	0.333	0.136	0.001	0.38	0.09	0.56	0.50
	Left Tilted	0.001	0.349	0.061	0.390	0.197	0.136	0.001	0.35	0.06	0.53	0.33



FR1 n66 Ant 0	Right Cheek	0.063	0.349	0.022	0.390	0.219	0.136	0.001	0.41	0.09	0.59	0.42
	Right Tilted	0.001	0.349	0.026	0.390	0.157	0.136	0.001	0.35	0.03	0.53	0.29
	Left Cheek	0.106	0.349	0.053	0.390	0.333	0.136	0.001	0.46	0.16	0.63	0.58
	Left Tilted	0.050	0.349	0.061	0.390	0.197	0.136	0.001	0.40	0.11	0.58	0.38
FR1 n66 Ant 1	Right Cheek	0.762	0.349	0.022	0.390	0.219	0.136	0.001	1.11	0.79	1.29	1.12
	Right Tilted	0.882	0.349	0.026	0.390	0.157	0.136	0.001	1.23	0.91	1.41	1.18
	Left Cheek	0.394	0.349	0.053	0.390	0.333	0.136	0.001	0.74	0.45	0.92	0.86
	Left Tilted	0.484	0.349	0.061	0.390	0.197	0.136	0.001	0.83	0.55	1.01	0.82
FR1 n70 Ant 0	Right Cheek	0.079	0.349	0.022	0.390	0.219	0.136	0.001	0.43	0.10	0.61	0.43
	Right Tilted	0.061	0.349	0.026	0.390	0.157	0.136	0.001	0.41	0.09	0.59	0.35
	Left Cheek	0.117	0.349	0.053	0.390	0.333	0.136	0.001	0.47	0.17	0.64	0.59
	Left Tilted	0.001	0.349	0.061	0.390	0.197	0.136	0.001	0.35	0.06	0.53	0.33
FR1 n70 Ant 1	Right Cheek	0.754	0.349	0.022	0.390	0.219	0.136	0.001	1.10	0.78	1.28	1.11
	Right Tilted	0.796	0.349	0.026	0.390	0.157	0.136	0.001	1.15	0.82	1.32	1.09
	Left Cheek	0.307	0.349	0.053	0.390	0.333	0.136	0.001	0.66	0.36	0.83	0.78
	Left Tilted	0.358	0.349	0.061	0.390	0.197	0.136	0.001	0.71	0.42	0.88	0.69
FR1 n71 Ant 0	Right Cheek	0.181	0.349	0.022	0.390	0.219	0.136	0.001	0.53	0.20	0.71	0.54
	Right Tilted	0.107	0.349	0.026	0.390	0.157	0.136	0.001	0.46	0.13	0.63	0.40
	Left Cheek	0.162	0.349	0.053	0.390	0.333	0.136	0.001	0.51	0.22	0.69	0.63
	Left Tilted	0.106	0.349	0.061	0.390	0.197	0.136	0.001	0.46	0.17	0.63	0.44
FR1 n71 Ant 1	Right Cheek	0.788	0.349	0.022	0.390	0.219	0.136	0.001	1.14	0.81	1.31	1.14
	Right Tilted	0.900	0.349	0.026	0.390	0.157	0.136	0.001	1.25	0.93	1.43	1.19
	Left Cheek	0.330	0.349	0.053	0.390	0.333	0.136	0.001	0.68	0.38	0.86	0.80
	Left Tilted	0.436	0.349	0.061	0.390	0.197	0.136	0.001	0.79	0.50	0.96	0.77
FR1 n77 Ant 4	Right Cheek	0.873	0.349	0.022	0.390	0.219	0.136	0.001	1.22	0.90	1.40	1.23
	Right Tilted	0.385	0.349	0.026	0.390	0.157	0.136	0.001	0.73	0.41	0.91	0.68
	Left Cheek	0.237	0.349	0.053	0.390	0.333	0.136	0.001	0.59	0.29	0.76	0.71
	Left Tilted	0.139	0.349	0.061	0.390	0.197	0.136	0.001	0.49	0.20	0.67	0.47
FR1 n77 Ant 2	Right Cheek	0.520	0.349	0.022	0.390	0.219	0.136	0.001	0.87	0.54	1.05	0.88
	Right Tilted	0.494	0.349	0.026	0.390	0.157	0.136	0.001	0.84	0.52	1.02	0.79
	Left Cheek	0.630	0.349	0.053	0.390	0.333	0.136	0.001	0.98	0.68	1.16	1.10
	Left Tilted	0.353	0.349	0.061	0.390	0.197	0.136	0.001	0.70	0.42	0.88	0.69
FR1 n77 Ant 7	Right Cheek	0.371	0.349	0.022	0.390	0.219	0.136	0.001	0.72	0.39	0.90	0.73
	Right Tilted	0.356	0.349	0.026	0.390	0.157	0.136	0.001	0.71	0.38	0.88	0.65
	Left Cheek	0.951	0.349	0.053	0.390	0.333	0.136	0.001	1.30	1.01	1.48	1.42
	Left Tilted	0.432	0.349	0.061	0.390	0.197	0.136	0.001	0.78	0.49	0.96	0.77
FR1 n77 Ant 5	Right Cheek	0.422	0.349	0.022	0.390	0.219	0.136	0.001	0.77	0.45	0.95	0.78
	Right Tilted	0.436	0.349	0.026	0.390	0.157	0.136	0.001	0.79	0.46	0.96	0.73
	Left Cheek	0.247	0.349	0.053	0.390	0.333	0.136	0.001	0.60	0.30	0.77	0.72
	Left Tilted	0.305	0.349	0.061	0.390	0.197	0.136	0.001	0.65	0.37	0.83	0.64

17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	6	7	1+2	1+4+6	1+3+7	Case No
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3+8 1g SAR (W/kg)	WLAN2.4GHz Ant 8 1g SAR (W/kg)	WLAN5GHz Ant 3+8 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth (Simultaneous) Ant 3 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
Ant 1	Front	0.415	0.338	0.001	0.289	0.064	0.001	0.75	0.77	0.42	
	Back	0.475	0.512	0.022	0.474	0.096	0.001	0.99	1.05	0.50	
	Left side	0.279						0.28	0.28	0.28	
	Right side	0.234	0.638	0.118	0.698	0.031	0.001	0.87	0.96	0.35	
	Top side	0.639	0.488	0.001	0.336	0.142	0.001	1.13	1.12	0.64	
	Bottom side							0.00	0.00	0.00	
Ant 4	Front	0.266	0.338	0.001	0.289	0.064	0.001	0.60	0.62	0.27	
	Back	0.431	0.512	0.022	0.474	0.096	0.001	0.94	1.00	0.45	
	Left side	0.633						0.63	0.63	0.63	
	Right side	0.013	0.638	0.118	0.698	0.031	0.001	0.65	0.74	0.13	
	Top side	0.066	0.488	0.001	0.336	0.142	0.001	0.55	0.54	0.07	
	Bottom side							0.00	0.00	0.00	
Ant 6	Front	0.288	0.338	0.001	0.289	0.064	0.001	0.63	0.64	0.29	
	Back	0.367	0.512	0.022	0.474	0.096	0.001	0.88	0.94	0.39	
	Left side	0.564						0.56	0.56	0.56	
	Right side		0.638	0.118	0.698	0.031	0.001	0.64	0.73	0.12	
	Top side	0.049	0.488	0.001	0.336	0.142	0.001	0.54	0.53	0.05	
	Bottom side							0.00	0.00	0.00	
Ant 7	Front	0.274	0.338	0.001	0.289	0.064	0.001	0.61	0.63	0.28	
	Back	0.528	0.512	0.022	0.474	0.096	0.001	1.04	1.10	0.55	
	Left side	0.086						0.09	0.09	0.09	
	Right side	0.586	0.638	0.118	0.698	0.031	0.001	1.22	1.32	0.71	
	Top side	0.528	0.488	0.001	0.336	0.142	0.001	1.02	1.01	0.53	
	Bottom side							0.00	0.00	0.00	
GSM850 Ant 0	Front	0.625	0.338	0.001	0.289	0.064	0.001	0.96	0.98	0.63	
	Back	1.266	0.512	0.022	0.474	0.096	0.001	1.78	1.84	1.29	48/49
	Left side	0.065						0.07	0.07	0.07	
	Right side	0.195	0.638	0.118	0.698	0.031	0.001	0.83	0.92	0.31	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.527						0.53	0.53	0.53	
GSM1900 Ant 0	Front	0.490	0.338	0.001	0.289	0.064	0.001	0.83	0.84	0.49	
	Back	0.510	0.512	0.022	0.474	0.096	0.001	1.02	1.08	0.53	
	Left side	0.040						0.04	0.04	0.04	
	Right side	0.018	0.638	0.118	0.698	0.031	0.001	0.66	0.75	0.14	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.184						1.18	1.18	1.18	
WCDMA II Ant 0	Front	0.391	0.338	0.001	0.289	0.064	0.001	0.73	0.74	0.39	
	Back	0.438	0.512	0.022	0.474	0.096	0.001	0.95	1.01	0.46	
	Left side	0.036						0.04	0.04	0.04	
	Right side	0.010	0.638	0.118	0.698	0.031	0.001	0.65	0.74	0.13	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.059						1.06	1.06	1.06	
WCDMA IV Ant 0	Front	0.478	0.338	0.001	0.289	0.064	0.001	0.82	0.83	0.48	
	Back	0.544	0.512	0.022	0.474	0.096	0.001	1.06	1.11	0.57	
	Left side	0.030						0.03	0.03	0.03	
	Right side	0.015	0.638	0.118	0.698	0.031	0.001	0.65	0.74	0.13	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.067						1.07	1.07	1.07	
WCDMA V Ant 0	Front	0.509	0.338	0.001	0.289	0.064	0.001	0.85	0.86	0.51	
	Back	1.206	0.512	0.022	0.474	0.096	0.001	1.72	1.78	1.23	50/51



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	Left side	0.070						0.07	0.07	0.07	
	Right side	0.181	0.638	0.118	0.698	0.031	0.001	0.82	0.91	0.30	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.442						0.44	0.44	0.44	
LTE Band 12 Ant 0	Front	0.682	0.338	0.001	0.289	0.064	0.001	1.02	1.04	0.68	
	Back	1.115	0.512	0.022	0.474	0.096	0.001	1.63	1.69	1.14	52/53
	Left side	0.302						0.30	0.30	0.30	
	Right side	0.514	0.638	0.118	0.698	0.031	0.001	1.15	1.24	0.63	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.490						0.49	0.49	0.49	
LTE Band 13 Ant 0	Front	0.780	0.338	0.001	0.289	0.064	0.001	1.12	1.13	0.78	
	Back	1.344	0.512	0.022	0.474	0.096	0.001	1.86	1.91	1.37	54/55
	Left side	0.231						0.23	0.23	0.23	
	Right side	0.418	0.638	0.118	0.698	0.031	0.001	1.06	1.15	0.54	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.516						0.52	0.52	0.52	
LTE Band 14 Ant 0	Front	1.042	0.338	0.001	0.289	0.064	0.001	1.38	1.40	1.04	
	Back	1.362	0.512	0.022	0.474	0.096	0.001	1.87	1.93	1.39	56/57
	Left side	0.329						0.33	0.33	0.33	
	Right side	0.626	0.638	0.118	0.698	0.031	0.001	1.26	1.36	0.75	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.891						0.89	0.89	0.89	
LTE Band 71 Ant 0	Front	0.549	0.338	0.001	0.289	0.064	0.001	0.89	0.90	0.55	
	Back	0.809	0.512	0.022	0.474	0.096	0.001	1.32	1.38	0.83	
	Left side	0.362						0.36	0.36	0.36	
	Right side	0.484	0.638	0.118	0.698	0.031	0.001	1.12	1.21	0.60	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.575						0.58	0.58	0.58	
LTE Band 26 Ant 0	Front	0.844	0.338	0.001	0.289	0.064	0.001	1.18	1.20	0.85	
	Back	1.050	0.512	0.022	0.474	0.096	0.001	1.56	1.62	1.07	58
	Left side	0.158						0.16	0.16	0.16	
	Right side	0.413	0.638	0.118	0.698	0.031	0.001	1.05	1.14	0.53	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.888						0.89	0.89	0.89	
LTE Band 66 Ant 0	Front	0.660	0.338	0.001	0.289	0.064	0.001	1.00	1.01	0.66	
	Back	0.763	0.512	0.022	0.474	0.096	0.001	1.28	1.33	0.79	
	Left side	0.035						0.04	0.04	0.04	
	Right side	0.044	0.638	0.118	0.698	0.031	0.001	0.68	0.77	0.16	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.278						1.28	1.28	1.28	
LTE Band 25 Ant 0	Front	0.657	0.338	0.001	0.289	0.064	0.001	1.00	1.01	0.66	
	Back	0.773	0.512	0.022	0.474	0.096	0.001	1.29	1.34	0.80	
	Left side	0.039						0.04	0.04	0.04	
	Right side	0.022	0.638	0.118	0.698	0.031	0.001	0.66	0.75	0.14	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.289						1.29	1.29	1.29	
LTE Band 30 Ant 0	Front	0.591	0.338	0.001	0.289	0.064	0.001	0.93	0.94	0.59	
	Back	0.711	0.512	0.022	0.474	0.096	0.001	1.22	1.28	0.73	
	Left side	0.011						0.01	0.01	0.01	
	Right side	0.051	0.638	0.118	0.698	0.031	0.001	0.69	0.78	0.17	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.242						1.24	1.24	1.24	
LTE Band 7 Ant 0	Front	0.649	0.338	0.001	0.289	0.064	0.001	0.99	1.00	0.65	
	Back	0.918	0.512	0.022	0.474	0.096	0.001	1.43	1.49	0.94	
	Left side	0.031						0.03	0.03	0.03	
	Right side	0.067	0.638	0.118	0.698	0.031	0.001	0.71	0.80	0.19	



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	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.093						1.09	1.09	1.09	
LTE Band 41 Ant 0	Front	0.419	0.338	0.001	0.289	0.064	0.001	0.76	0.77	0.42	
	Back	0.599	0.512	0.022	0.474	0.096	0.001	1.11	1.17	0.62	
	Left side	0.152						0.15	0.15	0.15	
	Right side	0.181	0.638	0.118	0.698	0.031	0.001	0.82	0.91	0.30	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.122						1.12	1.12	1.12	
LTE Band 48 Ant 5	Front	0.351	0.338	0.001	0.289	0.064	0.001	0.69	0.70	0.35	
	Back	0.578	0.512	0.022	0.474	0.096	0.001	1.09	1.15	0.60	
	Left side	0.039						0.04	0.04	0.04	
	Right side	1.211	0.638	0.118	0.698	0.031	0.001	1.85	1.94	1.33	59/60
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.210						0.21	0.21	0.21	
LTE Band 41 Ant 2	Front	0.320	0.338	0.001	0.289	0.064	0.001	0.66	0.67	0.32	
	Back	0.522	0.512	0.022	0.474	0.096	0.001	1.03	1.09	0.55	
	Left side	1.121						1.12	1.12	1.12	
	Right side	0.039	0.638	0.118	0.698	0.031	0.001	0.68	0.77	0.16	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.189						0.19	0.19	0.19	
LTE Band 48 Ant 2	Front	0.488	0.338	0.001	0.289	0.064	0.001	0.83	0.84	0.49	
	Back	0.414	0.512	0.022	0.474	0.096	0.001	0.93	0.98	0.44	
	Left side	1.098						1.10	1.10	1.10	
	Right side	0.013	0.638	0.118	0.698	0.031	0.001	0.65	0.74	0.13	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.137						0.14	0.14	0.14	

FR1 Band	Exposure Position	1	2	3	4	6	7	1+2	1+4+6	1+3+7	SPLSR
		FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 3+8 1g SAR (W/kg)	WLAN2.4GHz Ant 8 1g SAR (W/kg)	WLAN5GHz Ant 3+8 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth(Simultaneous) Ant 3 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
Ant 1	Front	0.409	0.338	0.001	0.289	0.064	0.001	0.75	0.76	0.41	
	Back	0.645	0.512	0.022	0.474	0.096	0.001	1.16	1.22	0.67	
	Left side	0.273						0.27	0.27	0.27	
	Right side	0.094	0.638	0.118	0.698	0.031	0.001	0.73	0.82	0.21	
	Top side	0.680	0.488	0.001	0.336	0.142	0.001	1.17	1.16	0.68	
	Bottom side							0.00	0.00	0.00	
Ant 4	Front	0.210	0.338	0.001	0.289	0.064	0.001	0.55	0.56	0.21	
	Back	0.305	0.512	0.022	0.474	0.096	0.001	0.82	0.88	0.33	
	Left side	0.593						0.59	0.59	0.59	
	Right side	0.012	0.638	0.118	0.698	0.031	0.001	0.65	0.74	0.13	
	Top side	0.058	0.488	0.001	0.336	0.142	0.001	0.55	0.54	0.06	
	Bottom side							0.00	0.00	0.00	
Ant 6	Front	0.307	0.338	0.001	0.289	0.064	0.001	0.65	0.66	0.31	
	Back	0.363	0.512	0.022	0.474	0.096	0.001	0.88	0.93	0.39	
	Left side	0.678						0.68	0.68	0.68	
	Right side		0.638	0.118	0.698	0.031	0.001	0.64	0.73	0.12	
	Top side	0.052	0.488	0.001	0.336	0.142	0.001	0.54	0.53	0.05	
	Bottom side							0.00	0.00	0.00	
Ant 7	Front	0.316	0.338	0.001	0.289	0.064	0.001	0.65	0.67	0.32	
	Back	0.713	0.512	0.022	0.474	0.096	0.001	1.23	1.28	0.74	
	Left side	0.159						0.16	0.16	0.16	
	Right side	0.639	0.638	0.118	0.698	0.031	0.001	1.28	1.37	0.76	
	Top side	0.638	0.488	0.001	0.336	0.142	0.001	1.13	1.12	0.64	
	Bottom side							0.00	0.00	0.00	
FR1 n12 Ant 0	Front	0.492	0.338	0.001	0.289	0.064	0.001	0.83	0.85	0.49	



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	Back	0.715	0.512	0.022	0.474	0.096	0.001	1.23	1.29	0.74	
	Left side	0.217						0.22	0.22	0.22	
	Right side	0.343	0.638	0.118	0.698	0.031	0.001	0.98	1.07	0.46	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.349						0.35	0.35	0.35	
FR1 n14 Ant 0	Front	0.524	0.338	0.001	0.289	0.064	0.001	0.86	0.88	0.53	
	Back	0.770	0.512	0.022	0.474	0.096	0.001	1.28	1.34	0.79	
	Left side	0.146						0.15	0.15	0.15	
	Right side	0.281	0.638	0.118	0.698	0.031	0.001	0.92	1.01	0.40	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.440						0.44	0.44	0.44	
FR1 n71 Ant 0	Front	0.396	0.338	0.001	0.289	0.064	0.001	0.73	0.75	0.40	
	Back	0.560	0.512	0.022	0.474	0.096	0.001	1.07	1.13	0.58	
	Left side	0.257						0.26	0.26	0.26	
	Right side	0.326	0.638	0.118	0.698	0.031	0.001	0.96	1.06	0.45	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.365						0.37	0.37	0.37	
FR1 n26 Ant 0	Front	0.656	0.338	0.001	0.289	0.064	0.001	0.99	1.01	0.66	
	Back	0.945	0.512	0.022	0.474	0.096	0.001	1.46	1.52	0.97	
	Left side	0.093						0.09	0.09	0.09	
	Right side	0.256	0.638	0.118	0.698	0.031	0.001	0.89	0.99	0.38	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.530						0.53	0.53	0.53	
FR1 n66 Ant 0	Front	0.622	0.338	0.001	0.289	0.064	0.001	0.96	0.98	0.62	
	Back	0.756	0.512	0.022	0.474	0.096	0.001	1.27	1.33	0.78	
	Left side	0.046						0.05	0.05	0.05	
	Right side	0.035	0.638	0.118	0.698	0.031	0.001	0.67	0.76	0.15	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.201						1.20	1.20	1.20	
FR1 n70 Ant 0	Front	0.575	0.338	0.001	0.289	0.064	0.001	0.91	0.93	0.58	
	Back	0.738	0.512	0.022	0.474	0.096	0.001	1.25	1.31	0.76	
	Left side	0.037						0.04	0.04	0.04	
	Right side	0.032	0.638	0.118	0.698	0.031	0.001	0.67	0.76	0.15	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.090						1.09	1.09	1.09	
FR1 n25 Ant 0	Front	0.616	0.338	0.001	0.289	0.064	0.001	0.95	0.97	0.62	
	Back	0.777	0.512	0.022	0.474	0.096	0.001	1.29	1.35	0.80	
	Left side	0.043						0.04	0.04	0.04	
	Right side	0.025	0.638	0.118	0.698	0.031	0.001	0.66	0.75	0.14	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.151						1.15	1.15	1.15	
FR1 n30 Ant 0	Front	0.503	0.338	0.001	0.289	0.064	0.001	0.84	0.86	0.51	
	Back	0.663	0.512	0.022	0.474	0.096	0.001	1.18	1.23	0.69	
	Left side	0.017						0.02	0.02	0.02	
	Right side	0.047	0.638	0.118	0.698	0.031	0.001	0.69	0.78	0.17	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.040						1.04	1.04	1.04	
FR1 n7 Ant 0	Front	0.938	0.338	0.001	0.289	0.064	0.001	1.28	1.29	0.94	
	Back	1.270	0.512	0.022	0.474	0.096	0.001	1.78	1.84	1.29	63/64
	Left side	0.019						0.02	0.02	0.02	
	Right side	0.096	0.638	0.118	0.698	0.031	0.001	0.73	0.83	0.22	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.440						1.44	1.44	1.44	
FR1 n41 Ant 0	Front	0.931	0.338	0.001	0.289	0.064	0.001	1.27	1.28	0.93	
	Back	1.011	0.512	0.022	0.474	0.096	0.001	1.52	1.58	1.03	
	Left side	0.019						0.02	0.02	0.02	



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	Right side	0.079	0.638	0.118	0.698	0.031	0.001	0.72	0.81	0.20	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	1.245						1.25	1.25	1.25	
FR1 n41 Ant 2	Front	0.797	0.338	0.001	0.289	0.064	0.001	1.14	1.15	0.80	
	Back	1.409	0.512	0.022	0.474	0.096	0.001	1.92	1.98	1.43	65/66
	Left side	1.430						1.43	1.43	1.43	
	Right side	0.013	0.638	0.118	0.698	0.031	0.001	0.65	0.74	0.13	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.344						0.34	0.34	0.34	
FR1 n48 Ant 2	Front	0.555	0.338	0.001	0.289	0.064	0.001	0.89	0.91	0.56	
	Back	0.470	0.512	0.022	0.474	0.096	0.001	0.98	1.04	0.49	
	Left side	1.138						1.14	1.14	1.14	
	Right side	0.019	0.638	0.118	0.698	0.031	0.001	0.66	0.75	0.14	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.186						0.19	0.19	0.19	
FR1 n77 Part 27O Ant 2	Front	0.207	0.338	0.001	0.289	0.064	0.001	0.55	0.56	0.21	
	Back	0.305	0.512	0.022	0.474	0.096	0.001	0.82	0.88	0.33	
	Left side	0.638						0.64	0.64	0.64	
	Right side	0.018	0.638	0.118	0.698	0.031	0.001	0.66	0.75	0.14	
	Top side	0.292	0.488	0.001	0.336	0.142	0.001	0.78	0.77	0.29	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 27Q Ant 2	Front	0.472	0.338	0.001	0.289	0.064	0.001	0.81	0.83	0.47	
	Back	0.535	0.512	0.022	0.474	0.096	0.001	1.05	1.11	0.56	
	Left side	1.088						1.09	1.09	1.09	
	Right side	0.034	0.638	0.118	0.698	0.031	0.001	0.67	0.76	0.15	
	Top side	0.427	0.488	0.001	0.336	0.142	0.001	0.92	0.91	0.43	
	Bottom side							0.00	0.00	0.00	
FR1 n48 Ant 5	Front	0.402	0.338	0.001	0.289	0.064	0.001	0.74	0.76	0.40	
	Back	0.661	0.512	0.022	0.474	0.096	0.001	1.17	1.23	0.68	
	Left side	0.044						0.04	0.04	0.04	
	Right side	1.230	0.638	0.118	0.698	0.031	0.001	1.87	1.96	1.35	67/68
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.275						0.28	0.28	0.28	
FR1 n77 Part 27O Ant 5	Front	0.260	0.338	0.001	0.289	0.064	0.001	0.60	0.61	0.26	
	Back	0.367	0.512	0.022	0.474	0.096	0.001	0.88	0.94	0.39	
	Left side	0.018						0.02	0.02	0.02	
	Right side	0.610	0.638	0.118	0.698	0.031	0.001	1.25	1.34	0.73	
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.098						0.10	0.10	0.10	
FR1 n77 Part 27Q Ant 5	Front	0.336	0.338	0.001	0.289	0.064	0.001	0.67	0.69	0.34	
	Back	0.570	0.512	0.022	0.474	0.096	0.001	1.08	1.14	0.59	
	Left side	0.224						0.22	0.22	0.22	
	Right side	1.136	0.638	0.118	0.698	0.031	0.001	1.77	1.87	1.26	69/70
	Top side		0.488	0.001	0.336	0.142	0.001	0.49	0.48	0.00	
	Bottom side	0.177						0.18	0.18	0.18	



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+5+6	1+3+7	Case No
		WWAN	WLAN2.4GHz Ant 3+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 3+8	WLAN6GHz Ant 3+8	Bluetooth Ant 3	Bluetooth Ant 3 Simultaneous	Summed	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant 1	Front	0.830	0.315	0.001	0.368	0.389	0.105	0.001	1.15	1.30	1.32	0.83	
	Back	0.980	0.315	0.022	0.368	0.389	0.105	0.001	1.30	1.45	1.47	1.00	
Ant 2	Front	0.968	0.315	0.001	0.368	0.389	0.105	0.001	1.28	1.44	1.46	0.97	
	Back	0.930	0.315	0.022	0.368	0.389	0.105	0.001	1.25	1.40	1.42	0.95	
Ant 4	Front	0.487	0.315	0.001	0.368	0.389	0.105	0.001	0.80	0.96	0.98	0.49	
	Back	0.820	0.315	0.022	0.368	0.389	0.105	0.001	1.14	1.29	1.31	0.84	
Ant 6	Front	0.711	0.315	0.001	0.368	0.389	0.105	0.001	1.03	1.18	1.21	0.71	
	Back	0.899	0.315	0.022	0.368	0.389	0.105	0.001	1.21	1.37	1.39	0.92	
Ant 7	Front	0.466	0.315	0.001	0.368	0.389	0.105	0.001	0.78	0.94	0.96	0.47	
	Back	1.051	0.315	0.022	0.368	0.389	0.105	0.001	1.37	1.52	1.55	1.07	
GSM850 Ant 0	Front	0.625	0.315	0.001	0.368	0.389	0.105	0.001	0.94	1.10	1.12	0.63	
	Back	1.266	0.315	0.022	0.368	0.389	0.105	0.001	1.58	1.74	1.76	1.29	1/2
WCDMA II Ant 0	Front	0.711	0.315	0.001	0.368	0.389	0.105	0.001	1.03	1.18	1.21	0.71	
	Back	1.038	0.315	0.022	0.368	0.389	0.105	0.001	1.35	1.51	1.53	1.06	
WCDMA IV Ant 0	Front	0.882	0.315	0.001	0.368	0.389	0.105	0.001	1.20	1.36	1.38	0.88	
	Back	1.176	0.315	0.022	0.368	0.389	0.105	0.001	1.49	1.65	1.67	1.20	4/5
WCDMA V Ant 0	Front	0.786	0.315	0.001	0.368	0.389	0.105	0.001	1.10	1.26	1.28	0.79	
	Back	1.206	0.315	0.022	0.368	0.389	0.105	0.001	1.52	1.68	1.70	1.23	6/7
LTE Band 12 Ant 0	Front	0.682	0.315	0.001	0.368	0.389	0.105	0.001	1.00	1.16	1.18	0.68	
	Back	1.115	0.315	0.022	0.368	0.389	0.105	0.001	1.43	1.59	1.61	1.14	9
LTE Band 13 Ant 0	Front	0.933	0.315	0.001	0.368	0.389	0.105	0.001	1.25	1.41	1.43	0.94	
	Back	1.344	0.315	0.022	0.368	0.389	0.105	0.001	1.66	1.82	1.84	1.37	10/11/12
LTE Band 14 Ant 0	Front	0.918	0.315	0.001	0.368	0.389	0.105	0.001	1.23	1.39	1.41	0.92	
	Back	1.362	0.315	0.022	0.368	0.389	0.105	0.001	1.68	1.84	1.86	1.39	13/14/15
LTE Band 71 Ant 0	Front	0.549	0.315	0.001	0.368	0.389	0.105	0.001	0.86	1.02	1.04	0.55	
	Back	0.809	0.315	0.022	0.368	0.389	0.105	0.001	1.12	1.28	1.30	0.83	
LTE Band 26 Ant 0	Front	0.711	0.315	0.001	0.368	0.389	0.105	0.001	1.03	1.18	1.21	0.71	
	Back	1.050	0.315	0.022	0.368	0.389	0.105	0.001	1.37	1.52	1.54	1.07	
LTE Band 66 Ant 0	Front	1.010	0.315	0.001	0.368	0.389	0.105	0.001	1.33	1.48	1.50	1.01	
	Back	1.165	0.315	0.022	0.368	0.389	0.105	0.001	1.48	1.64	1.66	1.19	18/19
LTE Band 25 Ant 0	Front	1.021	0.315	0.001	0.368	0.389	0.105	0.001	1.34	1.49	1.52	1.02	
	Back	1.200	0.315	0.022	0.368	0.389	0.105	0.001	1.52	1.67	1.69	1.22	20/21
LTE Band 30 Ant 0	Front	0.995	0.315	0.001	0.368	0.389	0.105	0.001	1.31	1.47	1.49	1.00	
	Back	1.196	0.315	0.022	0.368	0.389	0.105	0.001	1.51	1.67	1.69	1.22	22/23
LTE Band 7 Ant 0	Front	1.006	0.315	0.001	0.368	0.389	0.105	0.001	1.32	1.48	1.50	1.01	
	Back	1.360	0.315	0.022	0.368	0.389	0.105	0.001	1.68	1.83	1.85	1.38	24/25/26
LTE Band 41 Ant 0	Front	0.565	0.315	0.001	0.368	0.389	0.105	0.001	0.88	1.04	1.06	0.57	
	Back	1.016	0.315	0.022	0.368	0.389	0.105	0.001	1.33	1.49	1.51	1.04	
LTE Band 41 HPUE Ant 0	Front	1.091	0.315	0.001	0.368	0.389	0.105	0.001	1.41	1.56	1.59	1.09	
	Back	1.091	0.315	0.022	0.368	0.389	0.105	0.001	1.41	1.56	1.59	1.11	
GSM1900 Ant 0	Front	0.994	0.315	0.001	0.368	0.389	0.105	0.001	1.31	1.47	1.49	1.00	
	Back	1.122	0.315	0.022	0.368	0.389	0.105	0.001	1.44	1.60	1.62	1.15	76/30
LTE Band 48 Ant 5	Front	0.774	0.315	0.001	0.368	0.389	0.105	0.001	1.09	1.25	1.27	0.78	
	Back	1.276	0.315	0.022	0.368	0.389	0.105	0.001	1.59	1.75	1.77	1.30	31/32



WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+6	1+5+6	1+3+7	Case No
		FR1	WLAN2.4GHz Ant 3+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 3+8	WLAN6GHz Ant 3+8	Bluetooth Ant 3	Bluetooth Ant 3 Simultaneous	Summed	Summed	Summed	Summed	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Ant 1	Front	0.606	0.315	0.001	0.368	0.389	0.105	0.001	0.92	1.08	1.10	0.61	
	Back	1.018	0.315	0.022	0.368	0.389	0.105	0.001	1.33	1.49	1.51	1.04	
Ant 4	Front	0.569	0.315	0.001	0.368	0.389	0.105	0.001	0.88	1.04	1.06	0.57	
	Back	0.840	0.315	0.022	0.368	0.389	0.105	0.001	1.16	1.31	1.33	0.86	
Ant 5	Front	0.661	0.315	0.001	0.368	0.389	0.105	0.001	0.98	1.13	1.16	0.66	
	Back	1.085	0.315	0.022	0.368	0.389	0.105	0.001	1.40	1.56	1.58	1.11	
Ant 6	Front	0.835	0.315	0.001	0.368	0.389	0.105	0.001	1.15	1.31	1.33	0.84	
	Back	0.974	0.315	0.022	0.368	0.389	0.105	0.001	1.29	1.45	1.47	1.00	
Ant 7	Front	0.435	0.315	0.001	0.368	0.389	0.105	0.001	0.75	0.91	0.93	0.44	
	Back	0.938	0.315	0.022	0.368	0.389	0.105	0.001	1.25	1.41	1.43	0.96	
FR1 n12 Ant 0	Front	0.492	0.315	0.001	0.368	0.389	0.105	0.001	0.81	0.97	0.99	0.49	
	Back	0.715	0.315	0.022	0.368	0.389	0.105	0.001	1.03	1.19	1.21	0.74	
FR1 n14 Ant 0	Front	0.524	0.315	0.001	0.368	0.389	0.105	0.001	0.84	1.00	1.02	0.53	
	Back	0.770	0.315	0.022	0.368	0.389	0.105	0.001	1.09	1.24	1.26	0.79	
FR1 n71 Ant 0	Front	0.396	0.315	0.001	0.368	0.389	0.105	0.001	0.71	0.87	0.89	0.40	
	Back	0.560	0.315	0.022	0.368	0.389	0.105	0.001	0.88	1.03	1.05	0.58	
FR1 n66 Ant 0	Front	0.849	0.315	0.001	0.368	0.389	0.105	0.001	1.16	1.32	1.34	0.85	
	Back	1.142	0.315	0.022	0.368	0.389	0.105	0.001	1.46	1.62	1.64	1.17	33/34
FR1 n70 Ant 0	Front	0.849	0.315	0.001	0.368	0.389	0.105	0.001	1.16	1.32	1.34	0.85	
	Back	1.098	0.315	0.022	0.368	0.389	0.105	0.001	1.41	1.57	1.59	1.12	
FR1 n25 Ant 0	Front	0.899	0.315	0.001	0.368	0.389	0.105	0.001	1.21	1.37	1.39	0.90	
	Back	1.157	0.315	0.022	0.368	0.389	0.105	0.001	1.47	1.63	1.65	1.18	35/36
FR1 n30 Ant 0	Front	0.878	0.315	0.001	0.368	0.389	0.105	0.001	1.19	1.35	1.37	0.88	
	Back	1.168	0.315	0.022	0.368	0.389	0.105	0.001	1.48	1.64	1.66	1.19	37/38
FR1 n7 Ant 0	Front	0.964	0.315	0.001	0.368	0.389	0.105	0.001	1.28	1.44	1.46	0.97	
	Back	1.307	0.315	0.022	0.368	0.389	0.105	0.001	1.62	1.78	1.80	1.33	39/40/41
FR1 n41 Ant 0	Front	1.038	0.315	0.001	0.368	0.389	0.105	0.001	1.35	1.51	1.53	1.04	
	Back	1.224	0.315	0.022	0.368	0.389	0.105	0.001	1.54	1.70	1.72	1.25	42/43
FR1 n41 Ant 2	Front	0.704	0.315	0.001	0.368	0.389	0.105	0.001	1.02	1.18	1.20	0.71	
	Back	1.261	0.315	0.022	0.368	0.389	0.105	0.001	1.58	1.73	1.76	1.28	44/45
FR1 n48 Ant 2	Front	1.097	0.315	0.001	0.368	0.389	0.105	0.001	1.41	1.57	1.59	1.10	
	Back	0.959	0.315	0.022	0.368	0.389	0.105	0.001	1.27	1.43	1.45	0.98	
FR1 n77 Part 27O Ant 2	Front	0.696	0.315	0.001	0.368	0.389	0.105	0.001	1.01	1.17	1.19	0.70	
	Back	1.075	0.315	0.022	0.368	0.389	0.105	0.001	1.39	1.55	1.57	1.10	
FR1 n77 Part 27Q Ant 2	Front	1.068	0.315	0.001	0.368	0.389	0.105	0.001	1.38	1.54	1.56	1.07	
	Back	1.222	0.315	0.022	0.368	0.389	0.105	0.001	1.54	1.70	1.72	1.25	46/47
FR1 n26 Ant 0	Front	0.656	0.315	0.001	0.368	0.389	0.105	0.001	0.97	1.13	1.15	0.66	
	Back	0.945	0.315	0.022	0.368	0.389	0.105	0.001	1.26	1.42	1.44	0.97	

<Sensor off>

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3+5	1+4+5
		WWAN	WLAN2.4GHz Ant 3+8	WLAN5GHz Ant 3+8	WLAN6GHz Ant 3+8	Bluetooth Ant 3	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 7 Ant 1	Front	0.411	0.159	0.184	0.049	0.009	0.57	0.60	0.47
	Back	0.946	0.231	0.377	0.121	0.018	1.18	1.34	1.09
FR1 n41 Ant 1	Front	0.503	0.159	0.184	0.049	0.009	0.66	0.70	0.56
	Back	1.158	0.231	0.377	0.121	0.018	1.39	1.55	1.30

17.5 Product specific 10g SAR Exposure Conditions

Remark:

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

WWAN Band	Exposure Position	1	2	3	4	6	1+2+6	1+3+6	1+4+6	Case No
		WWAN 10g SAR (W/kg)	WLAN2.4GHz Ant 3+8 10g SAR (W/kg)	WLAN5GHz Ant 3+8 10g SAR (W/kg)	WLAN6GHz Ant 3+8 10g SAR (W/kg)	NFC 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)	
GSM850 Ant 0	Front	1.888		0.943	0.033	0.002	1.89	2.83	1.92	
	Back	3.161	0.696	0.833	0.126	0.015	3.87	4.01	3.30	71
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
GSM1900 Ant 0	Front	3.102		0.943	0.033	0.002	3.10	4.05	3.14	72
	Back	3.252	0.696	0.833	0.126	0.015	3.96	4.10	3.39	73
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side	1.656				0.001	1.66	1.66	1.66	
WCDMA II Ant 0	Front	2.684		0.943	0.033	0.002	2.69	3.63	2.72	
	Back	2.695	1.022	0.943	0.126	0.015	3.73	3.65	2.84	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side	1.556				0.001	1.56	1.56	1.56	
WCDMA IV Ant 0	Front	2.682		0.943	0.033	0.002	2.68	3.63	2.72	
	Back	2.731	1.022	0.943	0.126	0.015	3.77	3.69	2.87	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side	1.680				0.001	1.68	1.68	1.68	
WCDMA V Ant 0	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	1.547	1.022	0.943	0.126	0.015	2.58	2.51	1.69	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 7 Ant 0	Front	2.536		0.943	0.033	0.002	2.54	3.48	2.57	
	Back	2.675	1.022	0.943	0.126	0.015	3.71	3.63	2.82	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side	1.518				0.001	1.52	1.52	1.52	
LTE Band 7 Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	1.009	1.022	0.943	0.126	0.015	2.05	1.97	1.15	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side	2.295	1.022	0.943	0.017	0.001	3.32	3.24	2.31	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 13 Ant 0	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	0.926	1.022	0.943	0.126	0.015	1.96	1.88	1.07	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	



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	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 14 Ant 0	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	1.816	1.022	0.943	0.126	0.015	2.85	2.77	1.96	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 25 Ant 0	Front	2.987		0.943	0.033	0.002	2.99	3.93	3.02	
	Back	2.731	1.022	0.943	0.126	0.015	3.77	3.69	2.87	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side	1.061				0.001	1.06	1.06	1.06	
LTE Band 25 Ant 1	Front	1.970		0.943	0.033	0.002	1.97	2.92	2.01	
	Back	1.127	1.022	0.943	0.126	0.015	2.16	2.09	1.27	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side	2.350	1.022	0.943	0.017	0.001	3.37	3.29	2.37	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 26 Ant 0	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	1.517	1.022	0.943	0.126	0.015	2.55	2.48	1.66	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 30 Ant 0	Front	2.494		0.943	0.033	0.002	2.50	3.44	2.53	
	Back	2.318	1.022	0.943	0.126	0.015	3.36	3.28	2.46	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side	1.642				0.001	1.64	1.64	1.64	
LTE Band 30 Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side	2.432	1.022	0.943	0.017	0.001	3.46	3.38	2.45	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 41 Ant 0	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	2.121	1.022	0.943	0.126	0.015	3.16	3.08	2.26	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side	1.390				0.001	1.39	1.39	1.39	
LTE Band 41 Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side	2.131	1.022	0.943	0.017	0.001	3.15	3.08	2.15	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 41 HPUE Ant 0	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	2.496	1.022	0.943	0.126	0.015	3.53	3.45	2.64	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	



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LTE Band 41 HPUE Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14	
	Left side						0.00	0.00	0.00	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side	2.202	1.022	0.943	0.017	0.001	3.23	3.15	2.22	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 48 Ant 2	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14	
	Left side	3.034					3.03	3.03	3.03	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 48 Ant 4	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	2.164	1.022	0.943	0.126	0.015	3.20	3.12	2.31	
	Left side	2.295					2.30	2.30	2.30	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 48 Ant 5	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14	
	Left side						0.00	0.00	0.00	
	Right side	3.125	1.022	0.943	0.772	0.001	4.15	4.07	3.90	74/75
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 48 Ant 7	Front			0.943	0.033	0.002	0.00	0.95	0.04	
	Back	0.489	1.022	0.943	0.126	0.015	1.53	1.45	0.63	
	Left side						0.00	0.00	0.00	
	Right side	2.082	1.022	0.943	0.772	0.001	3.11	3.03	2.86	
	Top side	0.734	1.022	0.943	0.017	0.001	1.76	1.68	0.75	
	Bottom side					0.001	0.00	0.00	0.00	
LTE Band 41 Ant 6	Front			0.943	0.033	0.002	0.00	0.94	0.03	
	Back		1.022	0.943	0.126	0.015	1.02	0.94	0.13	
	Left side	2.379					2.38	2.38	2.38	
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77	
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02	
	Bottom side					0.001	0.00	0.00	0.00	



FR1 Band	Exposure Position	1	2	3	4	6	1+2+6	1+3+6	1+4+6
		FR1	WLAN2.4GHz Ant 3+8	WLAN5GHz Ant 3+8	WLAN6GHz Ant 3+8	NFC	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n7 Ant 0	Front	2.705		0.943	0.033	0.002	2.71	3.65	2.74
	Back	2.289	1.022	0.943	0.126	0.015	3.33	3.25	2.43
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side	1.556				0.001	1.56	1.56	1.56
FR1 n7 Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back	0.761	1.022	0.943	0.126	0.015	1.80	1.72	0.90
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side	1.970	1.022	0.943	0.017	0.001	2.99	2.91	1.99
	Bottom side					0.001	0.00	0.00	0.00
FR1 n25 Ant 0	Front	2.759		0.943	0.033	0.002	2.76	3.70	2.79
	Back	2.596	1.022	0.943	0.126	0.015	3.63	3.55	2.74
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side	0.879				0.001	0.88	0.88	0.88
FR1 n25 Ant 1	Front	1.985		0.943	0.033	0.002	1.99	2.93	2.02
	Back	1.173	1.022	0.943	0.126	0.015	2.21	2.13	1.31
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side	2.405	1.022	0.943	0.017	0.001	3.43	3.35	2.42
	Bottom side					0.001	0.00	0.00	0.00
FR1 n30 Ant 0	Front	2.697		0.943	0.033	0.002	2.70	3.64	2.73
	Back	2.384	1.022	0.943	0.126	0.015	3.42	3.34	2.53
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side	1.829				0.001	1.83	1.83	1.83
FR1 n30 Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back	0.821	1.022	0.943	0.126	0.015	1.86	1.78	0.96
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side	2.354	1.022	0.943	0.017	0.001	3.38	3.30	2.37
	Bottom side					0.001	0.00	0.00	0.00
FR1 n41 Ant 0	Front	2.961		0.943	0.033	0.002	2.96	3.91	3.00
	Back	2.911	1.022	0.943	0.126	0.015	3.95	3.87	3.05
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side	2.242				0.001	2.24	2.24	2.24
FR1 n41 Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back	1.137	1.022	0.943	0.126	0.015	2.17	2.10	1.28
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side	2.328	1.022	0.943	0.017	0.001	3.35	3.27	2.35
	Bottom side					0.001	0.00	0.00	0.00
FR1 n41 Ant 2	Front	1.899		0.943	0.033	0.002	1.90	2.84	1.93
	Back	1.116	1.022	0.943	0.126	0.015	2.15	2.07	1.26



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	Left side	3.493					3.49	3.49	3.49
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n48 Ant 2	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side	2.619					2.62	2.62	2.62
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n48 Ant 4	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side	1.668					1.67	1.67	1.67
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n48 Ant 5	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side						0.00	0.00	0.00
	Right side	2.143	1.022	0.943	0.772	0.001	3.17	3.09	2.92
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n48 Ant 7	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back	0.608	1.022	0.943	0.126	0.015	1.65	1.57	0.75
	Left side						0.00	0.00	0.00
	Right side	2.206	1.022	0.943	0.772	0.001	3.23	3.15	2.98
	Top side	0.928	1.022	0.943	0.017	0.001	1.95	1.87	0.95
	Bottom side					0.001	0.00	0.00	0.00
FR1 n66 Ant 0	Front	3.044		0.943	0.033	0.002	3.05	3.99	3.08
	Back	3.085	0.696	0.833	0.126	0.015	3.78	3.92	3.21
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side	1.370				0.001	1.37	1.37	1.37
FR1 n66 Ant 1	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side	1.963	1.022	0.943	0.017	0.001	2.99	2.91	1.98
	Bottom side					0.001	0.00	0.00	0.00
FR1 n70 Ant 0	Front	2.822		0.943	0.033	0.002	2.82	3.77	2.86
	Back	2.870	1.022	0.943	0.126	0.015	3.91	3.83	3.01
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side	1.470				0.001	1.47	1.47	1.47
FR1 n41 Ant 6	Front	1.138		0.943	0.033	0.002	1.14	2.08	1.17
	Back	1.088	1.022	0.943	0.126	0.015	2.13	2.05	1.23
	Left side	2.409					2.41	2.41	2.41
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00



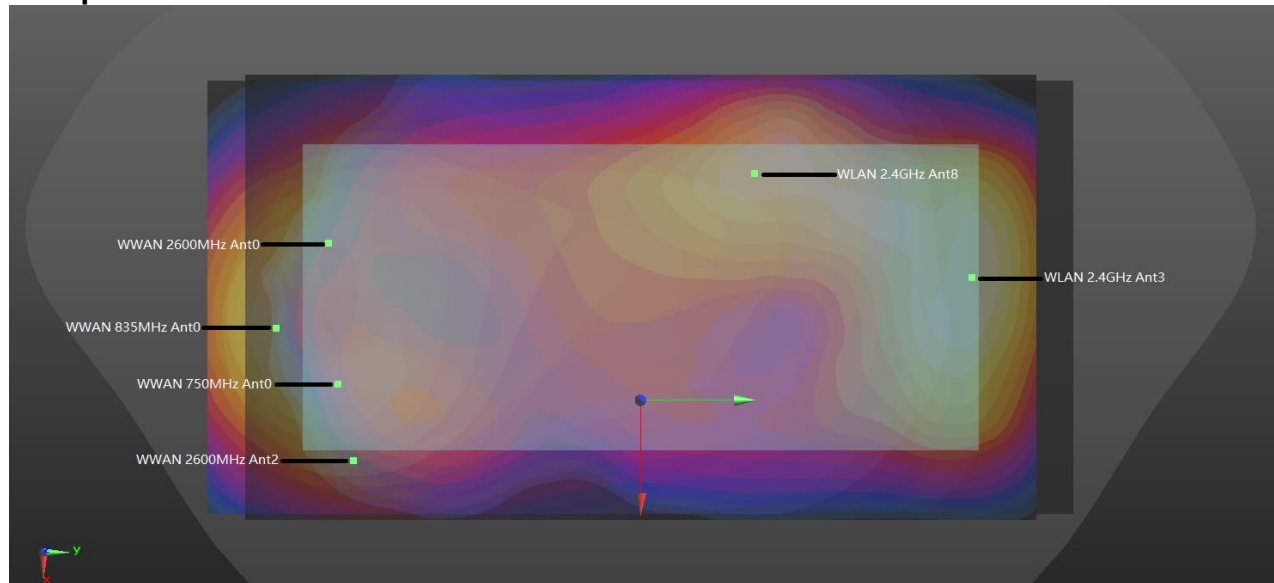
FR1 Band	Exposure Position	1	2	3	4	6	1+2+6	1+3+6	1+4+6
		FR1	WLAN2.4GHz Ant 3+8	WLAN5GHz Ant 3+8	WLAN6GHz Ant 3+8	NFC	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n77 Part 27O Ant 2	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side	1.746					1.75	1.75	1.75
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n77 Part 27Q Ant 2	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side	3.076					3.08	3.08	3.08
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n77 Part 27O Ant 4	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side	1.552					1.55	1.55	1.55
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n77 Part 27Q Ant 4	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side	2.077					2.08	2.08	2.08
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n77 Part 27O Ant 5	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side						0.00	0.00	0.00
	Right side	1.697	1.022	0.943	0.772	0.001	2.72	2.64	2.47
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n77 Part 27Q Ant 5	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side						0.00	0.00	0.00
	Right side	2.474	1.022	0.943	0.772	0.001	3.50	3.42	3.25
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n77 Part 27O Ant 7	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side						0.00	0.00	0.00
	Right side	2.510	1.022	0.943	0.772	0.001	3.53	3.45	3.28
	Top side		1.022	0.943	0.017	0.001	1.02	0.94	0.02
	Bottom side					0.001	0.00	0.00	0.00
FR1 n77 Part 27Q Ant 7	Front			0.943	0.033	0.002	0.00	0.95	0.04
	Back		1.022	0.943	0.126	0.015	1.04	0.96	0.14
	Left side						0.00	0.00	0.00
	Right side		1.022	0.943	0.772	0.001	1.02	0.94	0.77
	Top side	0.655	1.022	0.943	0.017	0.001	1.68	1.60	0.67
	Bottom side					0.001	0.00	0.00	0.00

17.6 SPLSR Evaluation and Analysis

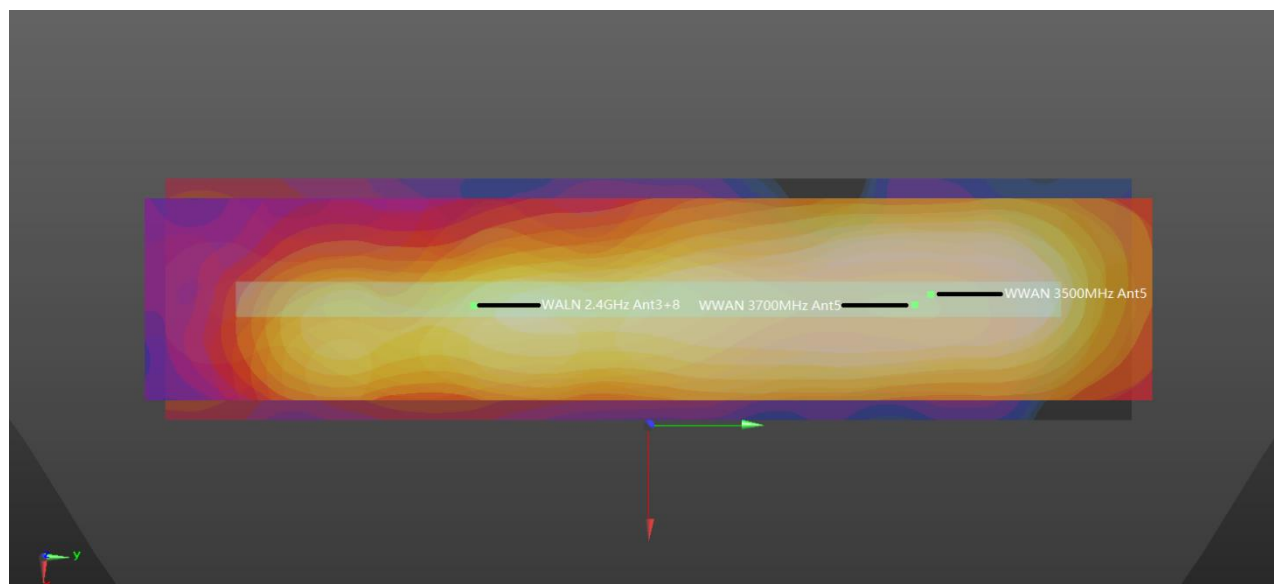
General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
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.

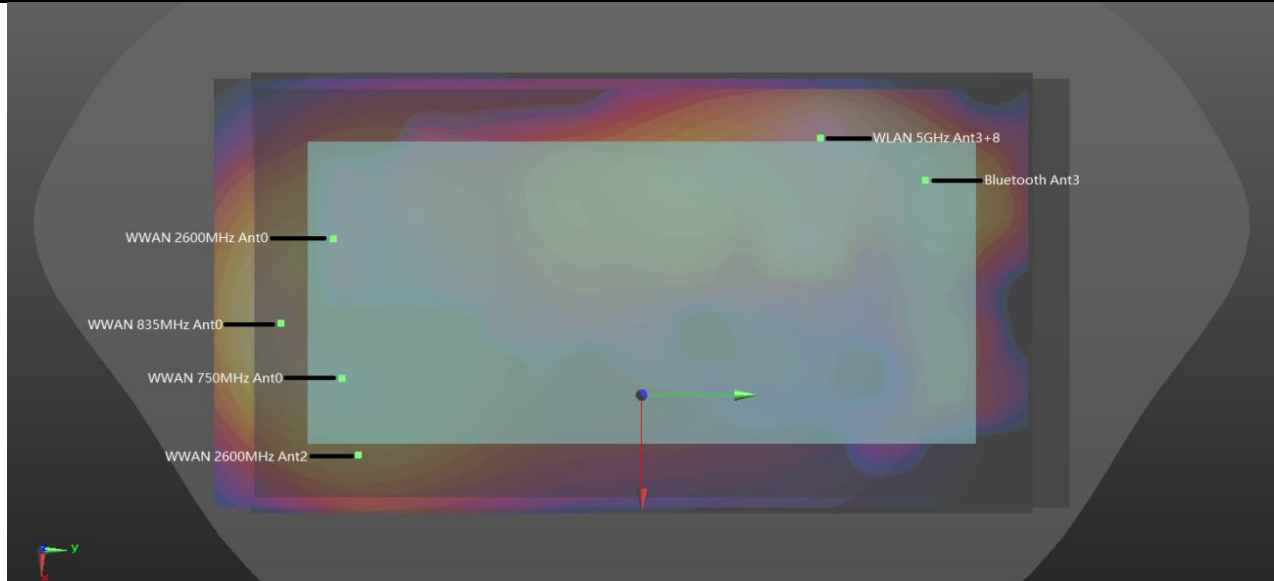
Hotspot



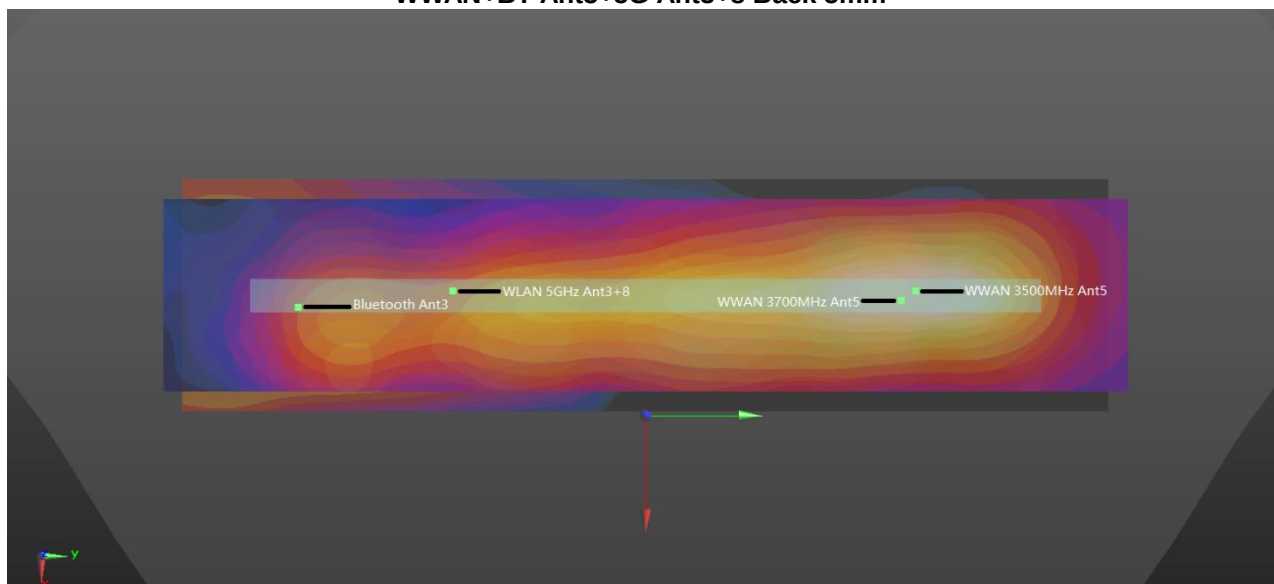
WWAN+2.4G Ant3+8 Back 5mm



WWAN+2.4G Ant3+8 Right Side 5mm

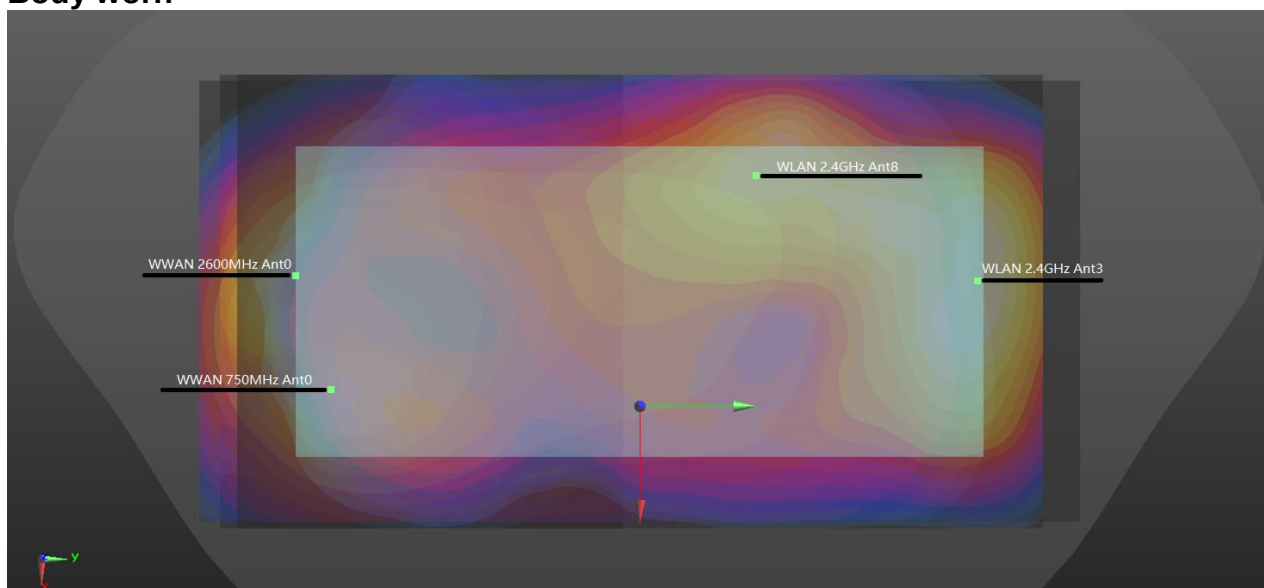


WWAN+BT Ant3+5G Ant3+8 Back 5mm

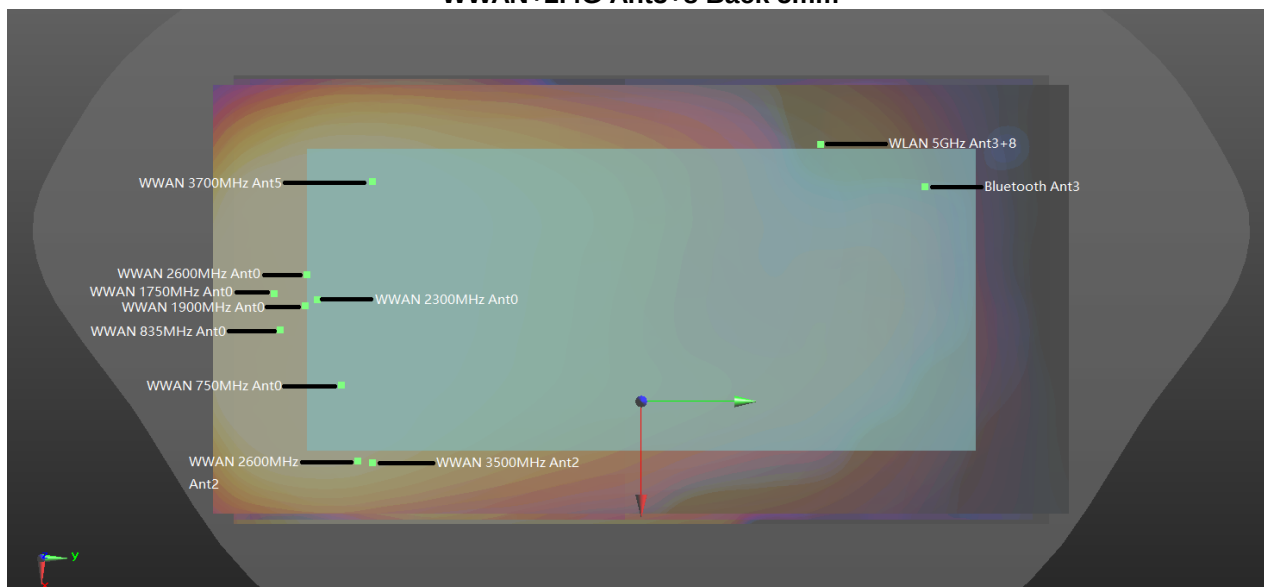


WWAN+BT Ant3+5G Ant3+8 Right Side 5mm

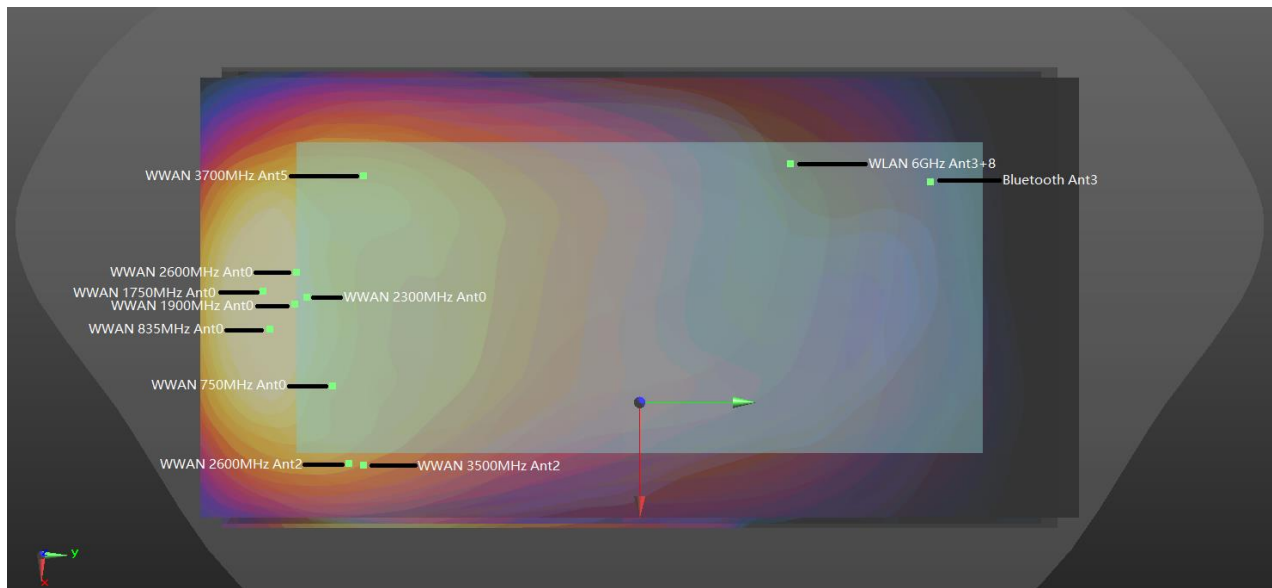
Body worn



WWAN+2.4G Ant3+8 Back 5mm

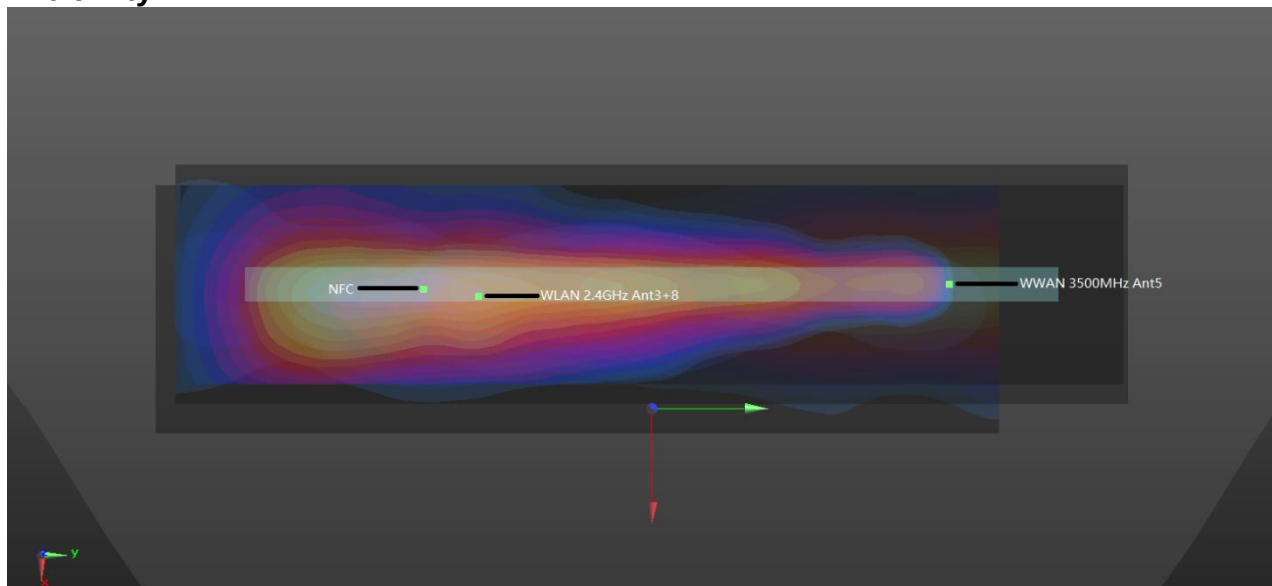


WWAN+Bluetooth Ant3 +5G Ant3+8 Back 5mm

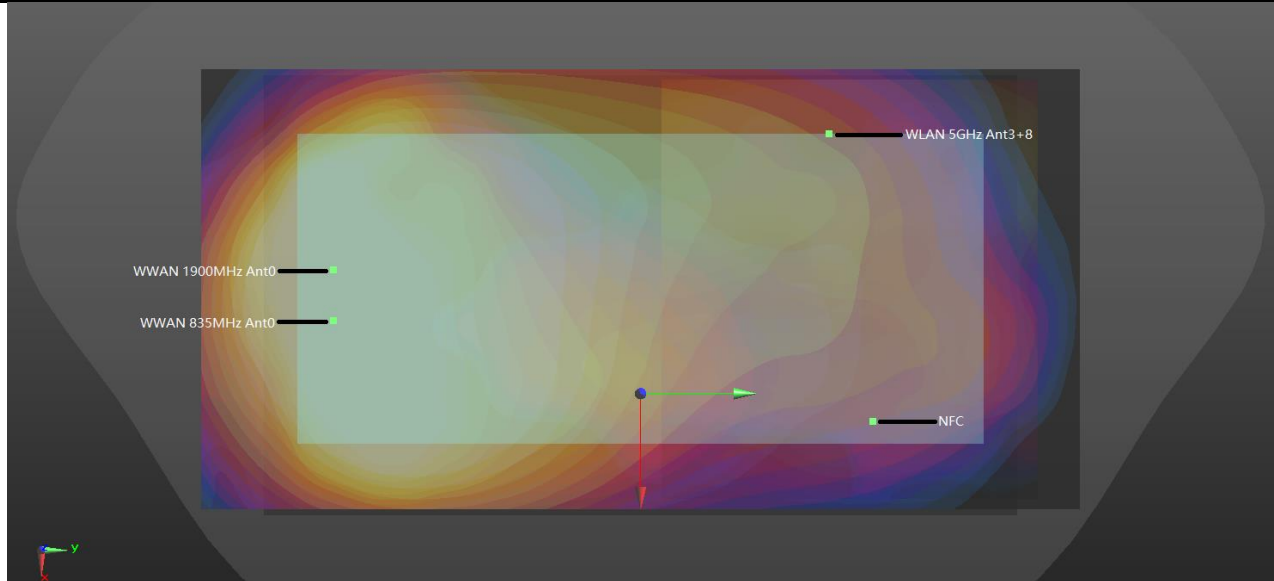


WWAN+Bluetooth Ant3 +6G Ant3+8 Back 5mm

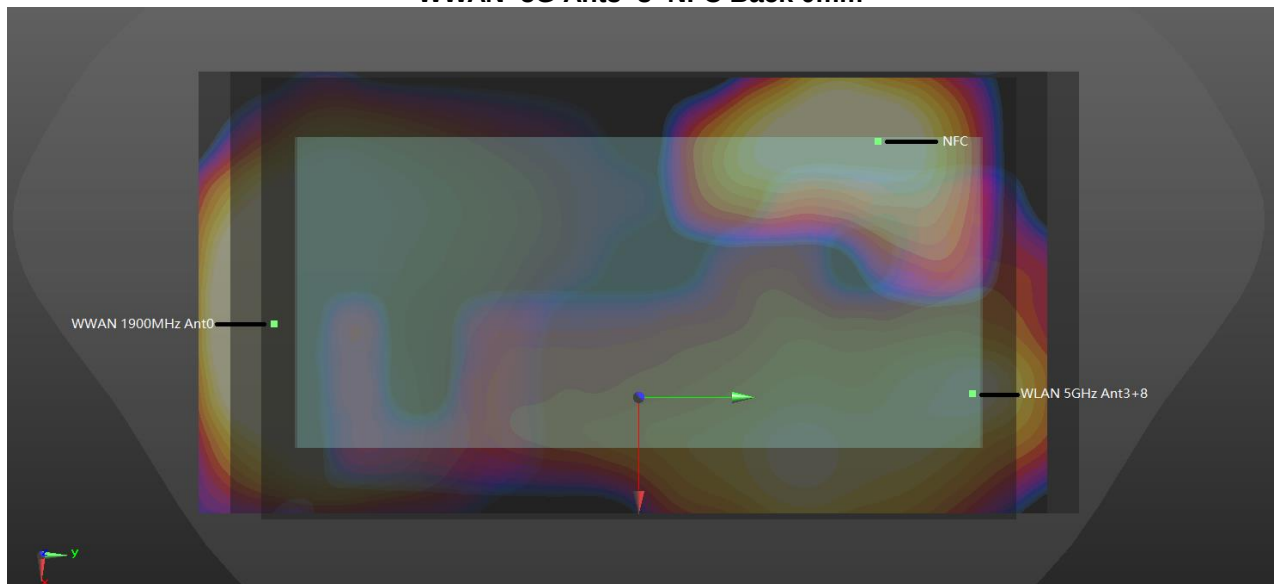
Extremity



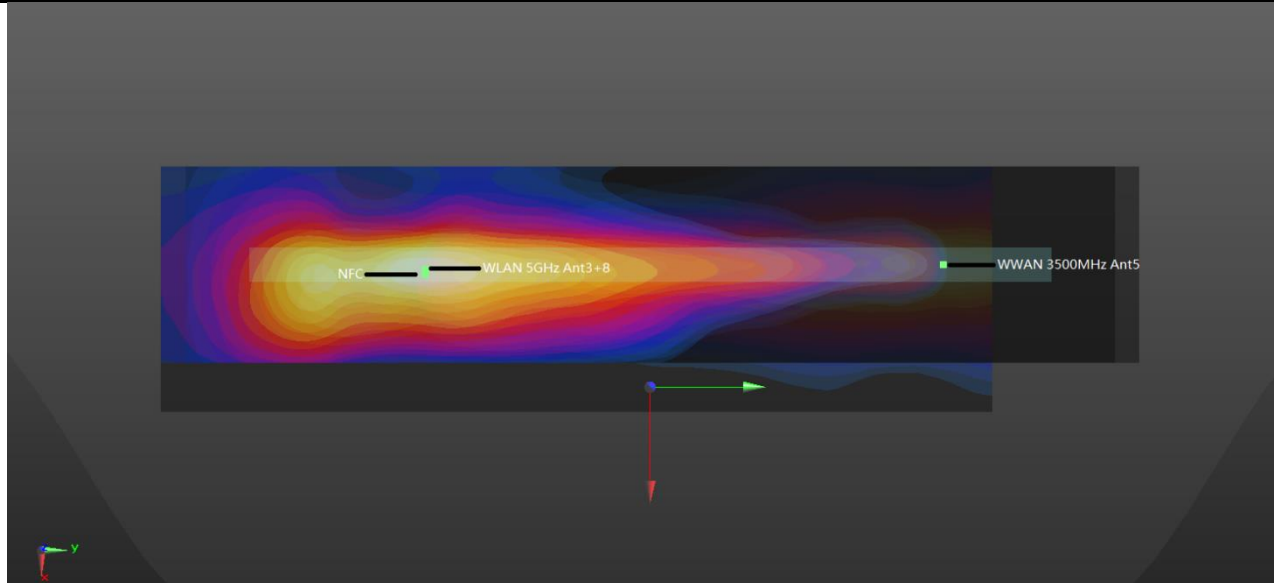
WWAN+2.4G Ant3+8+NFC Right Side 0mm



WWAN+5G Ant3+8+NFC Back 0mm



WWAN+5G Ant3+8+NFC Front 0mm


WWAN+5G Ant3+8+NFC Right Side 0mm
<Hotspot SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 48	GSM850 Ant 0	Back	1.266	1.266	5mm	14.2	-87.8	1.58	128.8	1.78	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.512	0.512	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 49	GSM850 Ant 0	Back	1.266	1.266	5mm	14.2	-87.8	1.58	117.6	1.84	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				
	Bluetooth Ant 3		0.096		5mm							
	GSM850 Ant 0	Back	1.266	1.266	5mm	14.2	-87.8	1.58	169.5	1.84	0.01	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 50	WCDMA V Ant 0	Back	1.206	1.206	5mm	10.7	-88.5	1.55	128.2	1.72	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.512	0.512	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 51	WCDMA V Ant 0	Back	1.206	1.206	5mm	10.7	-88.5	1.55	117.4	1.78	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				
	Bluetooth Ant 3		0.096		5mm							
	WCDMA V Ant 0	Back	1.206	1.206	5mm	10.7	-88.5	1.55	169.5	1.78	0.01	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 52	LTE Band 12 Ant 0	Back	1.115	1.115	5mm	19.4	-78.3	-2.27	122.2	1.63	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.512	0.512	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 53	LTE Band 12 Ant 0	Back	1.115	1.115	5mm	19.4	-78.3	-2.27	110.0	1.69	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				



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	Bluetooth Ant 3	Back	0.096		5mm				161.5	1.69	0.01	Not required
	LTE Band 12 Ant 0		1.115	1.115	5mm	19.4	-78.3	-2.27				
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 54	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	118.1	1.86	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.512	0.512	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 55	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	105.3	1.91	0.03	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				
	Bluetooth Ant 3		0.096		5mm							
	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	156.3	1.91	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 56	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	118.1	1.87	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.512	0.512	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 57	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	105.3	1.93	0.03	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				
	Bluetooth Ant 3		0.096		5mm							
	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	156.3	1.93	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 58	LTE Band 26 Ant 0	Back	1.050	1.050	5mm	22.6	-72	-2.36	105.3	1.62	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				
	Bluetooth Ant 3		0.096		5mm							
	LTE Band 26 Ant 0	Back	1.050	1.050	5mm	22.6	-72	-2.36	156.3	1.62	0.01	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 59	LTE Band 48 Ant 5	Right side	1.211	1.211	5mm	-1	55.2	-2.64	86.1	1.85	0.03	Not required
	WLAN2.4GHz Ant 3+8		0.638	0.638	5mm	3.2	-30.8	-2.96				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 60	LTE Band 48 Ant 5	Right side	1.211	1.211	5mm	-1	55.2	-2.64	96.8	1.94	0.03	Not required
	WLAN5GHz Ant 3+8		0.698	0.729	5mm	-0.2	-41.6	-2.88				
	Bluetooth Ant 3		0.031		5mm							
	LTE Band 48 Ant 5	Right side	1.211	1.211	5mm	-1	55.2	-2.64	126.3	1.94	0.02	Not required
	WLAN5GHz Ant 3+8		0.698	0.729	5mm							
	Bluetooth Ant 3		0.031		5mm	4.4	-71	-2.27				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 63	FR1 n7 Ant 0	Back	1.270	1.270	5mm	-16.2	-74.6	-2.52	107.7	1.78	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.512	0.512	5mm	-34	31.6	-2.67				
Case	Band	Position	SAR 1g	Summed	Gap	SAR peak location (mm)			3D distance	Summed	SPLSR	Simultaneous



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No			SAR (W/kg)	1g SAR (W/kg)	(mm)	X	Y	Z	(mm)	SAR (W/kg)		
Case 64	FR1 n7 Ant 0	Back	1.270	1.270	5mm	-16.2	-74.6	-2.52	100.2	1.84	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				
	Bluetooth Ant 3		0.096		5mm							
	FR1 n7 Ant 0	Back	1.270	1.270	5mm	-16.2	-74.6	-2.52	152.3	1.84	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 65	FR1 n41 Ant 2	Back	1.409	1.409	5mm	40.6	-66.6	-2.12	123.3	1.92	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.512	0.512	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 66	FR1 n41 Ant 2	Back	1.409	1.409	5mm	40.6	-66.6	-2.12	108.6	1.98	0.03	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm	-16.8	25.6	-2.69				
	Bluetooth Ant 3		0.096		5mm							
	FR1 n41 Ant 2	Back	1.409	1.409	5mm	40.6	-66.6	-2.12	157.4	1.98	0.02	Not required
	WLAN5GHz Ant 3+8		0.474	0.570	5mm							
	Bluetooth Ant 3		0.096		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 67	FR1 n48 Ant 5	Right side	1.230	1.230	5mm	1.8	53.8	-2.79	84.6	1.87	0.03	Not required
	WLAN2.4GHz Ant 3+8		0.638	0.638	5mm	3.2	-30.8	-2.96				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 68	FR1 n48 Ant 5	Right side	1.230	1.230	5mm	1.8	53.8	-2.79	95.4	1.96	0.03	Not required
	WLAN5GHz Ant 3+8		0.698	0.729	5mm	-0.2	-41.6	-2.88				
	Bluetooth Ant 3		0.031		5mm							
	FR1 n48 Ant 5	Right side	1.230	1.230	5mm	1.8	53.8	-2.79	124.8	1.96	0.02	Not required
	WLAN5GHz Ant 3+8		0.698	0.729	5mm							
	Bluetooth Ant 3		0.031		5mm	4.4	-71	-2.27				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 69	FR1 n77 Part 27Q Ant 5	Right side	1.136	1.136	5mm	-4	57	-2.74	88.1	1.77	0.03	Not required
	WLAN2.4GHz Ant 3+8		0.638	0.638	5mm	3.2	-30.8	-2.96				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 70	FR1 n77 Part 27Q Ant 5	Right side	1.136	1.136	5mm	-4	57	-2.74	98.7	1.87	0.03	Not required
	WLAN5GHz Ant 3+8		0.698	0.729	5mm	-0.2	-41.6	-2.88				
	Bluetooth Ant 3		0.031		5mm							
	FR1 n77 Part 27Q Ant 5	Right side	1.136	1.136	5mm	-4	57	-2.74	128.3	1.87	0.02	Not required
	WLAN5GHz Ant 3+8		0.698	0.729	5mm							
	Bluetooth Ant 3		0.031		5mm	4.4	-71	-2.27				

<Body-worn SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.266	1.266	5mm	14.2	-87.8	1.58	139.5	1.74	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	GSM850 Ant 0	Back	1.266	1.266	5mm	14.2	-87.8	1.58	169.5	1.74	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 2	GSM850 Ant 0	Back	1.266	1.266	5mm	14.2	-87.8	1.58	134.5	1.76	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	GSM850 Ant 0	Back	1.266	1.266	5mm	14.2	-87.8	1.58	169.5	1.76	0.01	Not required
	WLAN5GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 4	WCDMA IV Ant 0	Back	1.176	1.176	5mm	0.1	-86.8	1.53	134.1	1.65	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	WCDMA IV Ant 0	Back	1.176	1.176	5mm	0.1	-86.8	1.53	166.0	1.65	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 5	WCDMA IV Ant 0	Back	1.176	1.176	5mm	0.1	-86.8	1.53	129.3	1.67	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	WCDMA IV Ant 0	Back	1.176	1.176	5mm	0.1	-86.8	1.53	166.0	1.67	0.01	Not required
	WLAN5GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 6	WCDMA V Ant 0	Back	1.206	1.206	5mm	10.7	-88.5	1.55	138.9	1.68	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	WCDMA V Ant 0	Back	1.206	1.206	5mm	10.7	-88.5	1.55	169.5	1.68	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	WCDMA V Ant 0	Back	1.206	1.206	5mm	10.7	-88.5	1.55	134.0	1.70	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	WCDMA V Ant 0	Back	1.206	1.206	5mm	10.7	-88.5	1.55	169.5	1.70	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 9	LTE Band 12 Ant 0	Back	1.115	1.115	5mm	19.4	-78.3	-2.27	127.5	1.61	0.02	Not required



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	WLAN6GHz Ant 3+8	Back	0.389	0.494	5mm	-32	38.4	-2.44	161.5	1.61	0.01	Not required
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 12 Ant 0		1.115		5mm	19.4	-78.3	-2.27				
	WLAN6GHz Ant 3+8		0.389		5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 10	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	118.1	1.66	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.315	0.315	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 11	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	128.4	1.82	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	156.3	1.82	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 12	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	123.2	1.84	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 13 Ant 0	Back	1.344	1.344	5mm	22.6	-72	-2.35	156.3	1.84	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 13	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	118.1	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.315	0.315	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 14	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	128.4	1.84	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	156.3	1.84	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 15	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	123.2	1.86	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 14 Ant 0	Back	1.362	1.362	5mm	22.6	-72	-2.37	156.3	1.86	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 18	LTE Band 66 Ant 0	Back	1.165	1.165	5mm	4.5	-77.9	-2.46	126.8	1.64	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 66 Ant 0	Back	1.165	1.165	5mm	4.5	-77.9	-2.46	157.8	1.64	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				



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Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 19	LTE Band 66 Ant 0	Back	1.165	1.165	5mm	4.5	-77.9	-2.46	121.9	1.66	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 66 Ant 0	Back	1.165	1.165	5mm	4.5	-77.9	-2.46	157.8	1.66	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 20	LTE Band 25 Ant 0	Back	1.200	1.200	5mm	-0.1	-82.5	-2.45	129.8	1.67	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 25 Ant 0	Back	1.200	1.200	5mm	-0.1	-82.5	-2.45	161.7	1.67	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 21	LTE Band 25 Ant 0	Back	1.200	1.200	5mm	-0.1	-82.5	-2.45	125.0	1.69	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 25 Ant 0	Back	1.200	1.200	5mm	-0.1	-82.5	-2.45	161.7	1.69	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 22	LTE Band 30 Ant 0	Back	1.196	1.196	5mm	-4.8	-81.1	-2.49	127.3	1.67	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 30 Ant 0	Back	1.196	1.196	5mm	-4.8	-81.1	-2.49	159.7	1.67	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 23	LTE Band 30 Ant 0	Back	1.196	1.196	5mm	-4.8	-81.1	-2.49	122.6	1.69	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 30 Ant 0	Back	1.196	1.196	5mm	-4.8	-81.1	-2.49	159.7	1.69	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 24	LTE Band 7 Ant 0	Back	1.360	1.360	5mm	-4.4	-80.4	-2.47	115.8	1.68	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.315	0.315	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 25	LTE Band 7 Ant 0	Back	1.360	1.360	5mm	-4.4	-80.4	-2.47	126.7	1.83	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 7 Ant 0	Back	1.360	1.360	5mm	-4.4	-80.4	-2.47	159.0	1.83	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case	Band	Position	SAR 1g SAR	Summed	Gap	SAR peak location (mm)			3D distance	Summed SAR	SPLSR	Simultaneous



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No			(W/kg)	1g SAR (W/kg)	(mm)	X	Y	Z	(mm)	(W/kg)		SAR
Case 26	LTE Band 7 Ant 0	Back	1.360	1.360	5mm	-4.4	-80.4	-2.47	122.0	1.85	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 7 Ant 0	Back	1.360	1.360	5mm	-4.4	-80.4	-2.47	159.0	1.85	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 30	GSM1900 Ant 0	Back	1.122	1.122	5mm	-4.4	-73.4	1.37	115.2	1.62	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	GSM1900 Ant 0	Back	1.122	1.122	5mm	-4.4	-73.4	1.37	152.1	1.62	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 31	LTE Band 48 Ant 5	Back	1.276	1.276	5mm	-29.6	-54.2	-2.75	96.8	1.75	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 48 Ant 5	Back	1.276	1.276	5mm	-29.6	-54.2	-2.75	132.0	1.75	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 32	LTE Band 48 Ant 5	Back	1.276	1.276	5mm	-29.6	-54.2	-2.75	92.6	1.77	0.03	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	LTE Band 48 Ant 5	Back	1.276	1.276	5mm	-29.6	-54.2	-2.75	132.0	1.77	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 33	FR1 n66 Ant 0	Back	1.142	1.142	5mm	10.4	-88.9	1.53	139.2	1.62	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n66 Ant 0	Back	1.142	1.142	5mm	10.4	-88.9	1.53	169.8	1.62	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 34	FR1 n66 Ant 0	Back	1.142	1.142	5mm	10.4	-88.9	1.53	134.2	1.64	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n66 Ant 0	Back	1.142	1.142	5mm	10.4	-88.9	1.53	169.8	1.64	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 35	FR1 n25 Ant 0	Back	1.157	1.157	5mm	-1.6	-79.5	-2.39	126.6	1.63	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n25 Ant 0	Back	1.157	1.157	5mm	-1.6	-79.5	-2.39	158.5	1.63	0.01	Not required



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	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 36	FR1 n25 Ant 0	Back	1.157	1.157	5mm	-1.6	-79.5	-2.39	121.8	1.65	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n25 Ant 0	Back	1.157	1.157	5mm	-1.6	-79.5	-2.39	158.5	1.65	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 37	FR1 n30 Ant 0	Back	1.168	1.168	5mm	-5.8	-82.8	-2.38	128.7	1.64	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n30 Ant 0	Back	1.168	1.168	5mm	-5.8	-82.8	-2.38	161.3	1.64	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 38	FR1 n30 Ant 0	Back	1.168	1.168	5mm	-5.8	-82.8	-2.38	124.0	1.66	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n30 Ant 0	Back	1.168	1.168	5mm	-5.8	-82.8	-2.38	161.3	1.66	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 39	FR1 n7 Ant 0	Back	1.307	1.307	5mm	-16.2	-74.6	-2.52	107.7	1.62	0.02	Not required
	WLAN2.4GHz Ant 3+8		0.315	0.315	5mm	-34	31.6	-2.67				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 40	FR1 n7 Ant 0	Back	1.307	1.307	5mm	-16.2	-74.6	-2.52	118.6	1.78	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n7 Ant 0	Back	1.307	1.307	5mm	-16.2	-74.6	-2.52	152.3	1.78	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 41	FR1 n7 Ant 0	Back	1.307	1.307	5mm	-16.2	-74.6	-2.52	114.1	1.80	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n7 Ant 0	Back	1.307	1.307	5mm	-16.2	-74.6	-2.52	152.3	1.80	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 42	FR1 n41 Ant 0	Back	1.224	1.224	5mm	-9.2	-78.4	-2.43	123.7	1.70	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n41 Ant 0	Back	1.224	1.224	5mm	-9.2	-78.4	-2.43	156.6	1.70	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							



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	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 43	FR1 n41 Ant 0	Back	1.224	1.224	5mm	-9.2	-78.4	-2.43	119.0	1.72	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n41 Ant 0	Back	1.224	1.224	5mm	-9.2	-78.4	-2.43	156.6	1.72	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 44	FR1 n41 Ant 2	Back	1.261	1.261	5mm	40.6	-66.6	-2.12	133.0	1.73	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n41 Ant 2	Back	1.261	1.261	5mm	40.6	-66.6	-2.12	157.4	1.73	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 45	FR1 n41 Ant 2	Back	1.261	1.261	5mm	40.6	-66.6	-2.12	127.7	1.76	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n41 Ant 2	Back	1.261	1.261	5mm	40.6	-66.6	-2.12	157.4	1.76	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 46	FR1 n77 Part 27Q Ant 2	Back	1.222	1.222	5mm	40.8	-64.4	-2.09	131.3	1.70	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n77 Part 27Q Ant 2	Back	1.222	1.222	5mm	40.8	-64.4	-2.09	155.5	1.70	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 47	FR1 n77 Part 27Q Ant 2	Back	1.222	1.222	5mm	40.8	-64.4	-2.09	126.0	1.72	0.02	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm	-32	38.4	-2.44				
	Bluetooth Ant 3		0.105		5mm							
	FR1 n77 Part 27Q Ant 2	Back	1.222	1.222	5mm	40.8	-64.4	-2.09	155.5	1.72	0.01	Not required
	WLAN6GHz Ant 3+8		0.389	0.494	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 76	GSM1900 Ant 0	Back	1.122	1.122	5mm	-4.4	-73.4	1.37	120.0	1.60	0.02	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm	-35.6	42.4	-2.78				
	Bluetooth Ant 3		0.105		5mm							
	GSM1900 Ant 0	Back	1.122	1.122	5mm	-4.4	-73.4	1.37	152.1	1.60	0.01	Not required
	WLAN5GHz Ant 3+8		0.368	0.473	5mm							
	Bluetooth Ant 3		0.105		5mm	-22.6	77.6	-2.51				

<Extremity SAR>

Case No	Band	Position	SAR 10g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				10g SAR (W/kg)		X	Y	Z				
Case 71	GSM850 Ant 0	Back	3.161	3.161	0mm	7.5	-71.9	1.46	123.3	4.01	0.07	Not required
	WLAN5GHz Ant 3+8		0.833	0.848	0mm	-29	45.8	-2.79				
	NFC		0.015		0mm							
	GSM850 Ant 0	Back	3.161	3.161	0mm	7.5	-71.9	1.46	127.8	4.01	0.06	Not required
	WLAN5GHz Ant 3+8		0.833	0.848	0mm							
	NFC		0.015		0mm	29.9	53.9	-0.45				
Case No	Band	Position	SAR 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 72	GSM1900 Ant 0	Front	3.102	3.102	0mm	13.9	-82.2	-2.25	138.2	4.05	0.06	Not required
	WLAN5GHz Ant 3+8		0.943	0.945	0mm	25.6	55.5	-2.2				
	NFC		0.002		0mm							
	GSM1900 Ant 0	Front	3.102	3.102	0mm	13.9	-82.2	-2.25	143.6	4.05	0.06	Not required
	WLAN5GHz Ant 3+8		0.943	0.945	0mm							
	NFC		0.002		0mm	-40.8	50.6	-0.76				
Case No	Band	Position	SAR 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 73	GSM1900 Ant 0	Back	3.252	3.252	0mm	-4.5	-71.9	1.45	120.3	4.10	0.07	Not required
	WLAN5GHz Ant 3+8		0.833	0.848	0mm	-29	45.8	-2.79				
	NFC		0.015		0mm							
	GSM1900 Ant 0	Back	3.252	3.252	0mm	-4.5	-71.9	1.45	130.4	4.10	0.06	Not required
	WLAN5GHz Ant 3+8		0.833	0.848	0mm							
	NFC		0.015		0mm	29.9	53.9	-0.45				
Case No	Band	Position	SAR 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 74	LTE Band 48 Ant 5	Right side	3.125	3.125	0mm	0.8	57.6	-2.65	89.4	4.15	0.09	Not required
	WLAN2.4GHz Ant 3+8		1.022	1.023	0mm	3.4	-31.8	-2.97				
	NFC		0.001		0mm							
	LTE Band 48 Ant 5	Right side	3.125	3.125	0mm	0.8	57.6	-2.65	106.0	4.15	0.08	Not required
	WLAN2.4GHz Ant 3+8		1.022	1.023	0mm							
	NFC		0.001		0mm	3.4	-48.4	-2.64				
Case No	Band	Position	SAR 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 75	LTE Band 48 Ant 5	Right side	3.125	3.125	0mm	0.8	57.6	-2.65	106.9	4.07	0.08	Not required
	WLAN5GHz Ant 3+8		0.943	0.944	0mm	4.4	-49.2	-2.73				
	NFC		0.001		0mm							
	LTE Band 48 Ant 5	Right side	3.125	3.125	0mm	0.8	57.6	-2.65	106.0	4.07	0.08	Not required
	WLAN5GHz Ant 3+8		0.943	0.944	0mm							
	NFC		0.001		0mm	3.4	-48.4	-2.64				

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18. Uncertainty Assessment

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

19. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
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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.
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
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- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [12] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [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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